



NATIONAL AGENCY OF PETROLEUM, NATURAL GAS, AND BIOFUELS – ANP

OPEN ACREAGE CONCESSION MODALITY TENDER PROTOCOL

**AWARD OF CONCESSION AGREEMENTS FOR EXPLORATION OR
REHABILITATION AND PRODUCTION OF OIL AND GAS**

RIO DE JANEIRO, NOVEMBER 29, 2019.

Version: 02.01

PREAMBLE

This tender protocol provides for the award of Open Acreage Concession Modality concession agreements for exploration or rehabilitation and production of oil and gas in exploration blocks and areas with marginal accumulations.

This tender protocol is in English, and its official version is in Portuguese. Some annexes may also be in English, which are provided only for guidance purposes. ANP may provide a full version of the tender protocol in English for your reference.

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1 INTRODUCTION

1.1 Legal aspects

Law No. 9,478/1997 provides for the national energy policy and implements other measures, pursuant to Constitutional Amendment No. 9/1995, which eases the form of enforcement of the Federal Government's monopoly on exploration and production of oil and gas.

The law created the National Council for Energy Policy – CNPE with the duty of preparing energy policies and guidelines intended for promoting the reasonable use of the Country's energy resources, pursuant to the provisions in the applicable laws and regulations, having, as principles, preservation of the national interest, promotion of the sustainable development, expansion of the job market, appreciation of the energy resources, protection of the environment, promotion of energy conservation, increment of gas use, promotion of free competition, sourcing of investments in energy production, and expansion of the Country's competitiveness in the international market.

Law No. 9,478/1997 also established the National Agency of Petroleum, Natural Gas, and Biofuels – ANP as the entity in charge of regulation, engagement, and inspection of the economic activities of the oil, gas, and biofuels industry, being responsible for, among other duties, the preparation of tender protocols and agreements and for bidding processes for concession of rights of exploration and production of oil and gas, executing the concession agreements resulting from such activities and inspecting their performance.

Law No. 12,351/2010, pursuant to art. 65, delegated to the Executive Branch the implementation of specific policies and measures aiming at increasing the share of small and medium-sized companies in the exploration, development, and production of oil and gas.

CNPE, through Resolution No. 17/2017, published in the Federal Official Gazette on July 6, 2017, authorized ANP to bid the fields relinquished or pending relinquishment, as well as the exploration blocks with findings that may be relinquished, as well as to offer areas that have already been authorized by CNPE in previous bidding processes, including the objects of Rounds Zero to Six, pursuant to CNPE Resolution No. 8,2018, published in the Federal Official Gazette on August 7, 2018, and ANP is allowed to permanently offer these fields and blocks on an Open Acreage concession basis, except for those located in the pre-salt polygon or other strategic areas.

On its turn, Decree No. 9,641 of December 27, 2018, provided ANP with jurisdiction to define blocks in onshore basins to be subject to bidding process, under concession, in the Open Acreage Concession Modality system.

ANP, by using the powers vested in it by art. 36 of Law No. 9,478/1997, issued ANP Resolution No. 18/2015 establishing bidding procedures for concession of the exploration or rehabilitation and production of oil and gas.

This tender protocol defines the standards that shall be observed by all companies interested in participating in the Open Acreage Concession Modality, and it was prepared according to the applicable provisions, including Law No. 9,478/1997, Law No. 12,351/2010, CNPE Resolution No. 17/2017, Decree No. 9,641/2018, and ANP Resolution No. 18/2015.

For the Open Acreage Concession Modality, a Bidding Round Special Commission – CEL, composed of representatives of ANP and the civil society, duly designated by ANP's Collegiate Board through an ordinance, shall be formed.

1.2 Objectives of the Open Acreage Concession Modality

The ANP may permanently offer any objects that fall under the conditions provided for in CNPE Resolutions No. 17/2017 and No 8/2018, in addition to Decree No. 9,641/2018, such as exploration blocks, production fields, and areas with marginal accumulations (concession areas with known discoveries of oil and/or natural gas, where there is no production or where the production has been interrupted due to lack of economic interest), hereinafter blocks and areas.

The blocks and areas of the Open Acreage Concession Modality were selected in basins of different environments and exploration models in order to expand the reserves and the Brazilian production of oil and gas, expand the knowledge on sedimentary basins, decentralize the exploration investment in the Country, develop the oil industry, set domestic and foreign companies in the Country, and provide opportunities to small and medium-sized companies, pursuant to art. 65 of Law No. 12,351/2010, continuing the demand for local goods and services, the creation of jobs, and income distribution.

1.3 Open Acreage Concession Modality Procedure

The Open Acreage Concession Modality comprises the continuous offer of fields and exploration blocks relinquished (or pending relinquishment), as well as exploration blocks offered in previous rounds and still available, for purposes of award of concession agreements for exploration or rehabilitation and production of oil and gas. The blocks and areas offered at each moment in time are detailed in ANNEX I of the tender protocol.

The company interested in participating in the Open Acreage Concession Modality should request enrollment, to be judged by the Bidding Round Special Commission – CEL.

To request enrollment, the interested company shall submit each of the documents for enrollment and pay the participation fee to have access to the sample technical data package.

After review of the documents by the Licensing Rounds Promotion Superintendence – SPL, the bidders' enrollment is judged by CEL.

The bidder which enrollment is approved and that intends to submit bids in a public session for submission of bids shall submit a declaration of interest in the sectors accompanied by a bid bond, subject to assessment by CEL.

A cycle of the Open Acreage Concession Modality shall begin upon approval of at least one declaration of interest in the sectors accompanied by a bid bond.

Each cycle of the Open Acreage Concession Modality shall have a specific schedule established by CEL, to be disclosed in ANP's website. A new cycle shall only be initiated after award of the object and approval of the result of the public session for submission of bids of the previous cycle.

This tender protocol may be changed to include, exclude and adjust the blocks and areas of ANNEX I, as well as to improve and enhance the rules related to the procedure of the Open Acreage Concession Modality that may be necessary over time.

1.3.1 Cycles of the Open Acreage Concession Modality

Each cycle of the Open Acreage Concession Modality consists of all activities required for the public session for submission of bids for the sectors object of the declaration of interest accompanied by bid bonds for approval of the bidding process and execution of the concession agreements pursuant to the rules established by the tender protocol.

The schedule to be established by CEL for each cycle shall observe the ninety (90)-day period between the approval of the declaration of interest accompanied by the declaration of interest and the date of the public session for submission of bids. The schedules to be established by CEL shall include the following dates:

- a) date of opening of the cycle of the Open Acreage Concession Modality;
- b) deadline for enrollment and payment of the participation fee by companies interested in participating in such public session for submission of bids still not enrolled in the Open Acreage Concession Modality;
- c) deadline for all registered bidders to submit new declarations of interest in the sectors accompanied by bid bonds for the blocks and areas included in ANNEX I;

- d) deadline for disclosure of the sectors offered in the cycle;
- e) deadline for submission of bid bonds accompanied by declarations of interest in the sectors to be offered in the public session for submission of bids of each cycle of the Open Acreage Concession Modality;
- f) date of the public session for submission of bids corresponding to the cycle of Open Acreage Concession Modality;
- g) deadline for all winners of the public session for submission of bids corresponding to the cycle of the Open Acreage Concession Modality to submit the qualification documents;
- h) deadline for award of the object and approval of the result of the public session for submission of bids corresponding to the cycle of the Open Acreage Concession Modality;
- i) deadline for forwarding of the documents for execution of the concession agreements;
- j) deadline for payment of the signature bonus and submission of the proof of payment;
- k) deadline for execution of the concession agreements.

Any bidder registered may participate in an initiated cycle of the Open Acreage Concession Modality. Other companies interested in participating in the cycle disclosed but not enrolled in the Open Acreage Concession Modality shall observe the deadline set forth in item (b).

The bidders enrolled may submit a declaration of interest in the sectors accompanied by a bid bond for any sectors available in ANNEX I of this tender protocol at any time.

To participate in the public session for submission of bids of the cycle initiated, the bidders enrolled should observe the deadlines and conditions in items (c) and (e) of the schedule of the relevant cycle. Declarations of interest in the sectors accompanied by bid bonds received after the abovementioned deadlines shall be evaluated by CEL only after award of the object and approval of the result of the public session for submission of bids of the cycle in progress.

In a public session for submission of bids of a cycle, the bidders submit bids for blocks and areas of interest, which are judged and classified by CEL.

For blocks, the signature bonus and the minimum exploration program (PEM) are the bidding criteria to define the winner of the public session for submission of bids. **For areas**, the signature bonus is the only bidding criterion.

Bids shall be qualified in descending order of score or signature bonus amount, depending on the object of the bidding. The winner of the public session for submission of bids shall be: (i) for bidding processes of exploration blocks, the bidder whose bid obtains the highest final score, calculated through assignment of points and weights to the signature bonus and the PEM bid; (ii) or the bidder offering the highest amount of signature bonus, for bidding processes of areas with marginal accumulations.

The condition of winner of the public session for submission of bids does not grant the bidder the right to execute the concession agreement.

After the public session for submission of bids, the winners are submitted to a qualification performed by SPL and judged by CEL. Qualification is comprised of document analysis to evidence the legal, tax, and labor compliance, the economic and financial capacity, and the technical capacity of the winners of the public session for submission of bids.

ANP's Collegiate Board shall award the object to the qualified winners, calling them to execute the concession agreements, and homologate the bidding process of the public session of the Open Acreage Concession Modality.

The winners shall submit the documents set forth in the tender protocol, and the relevant cycle of the Open Acreage Concession Modality shall end upon execution of the concession agreements.

If the winner of the public session for submission of bids is not qualified or does not execute the concession agreement, its bid bond shall be executed and the penalties provided for in the tender protocol shall apply. The remaining qualified bidders shall be called to express interest in honoring the bid submitted by the winner.

If none of the bidders expresses interest in honoring the best bid of the public session for submission of bids or those expressing their interest are not qualified, the bidder that submitted the next highest ranked bid shall be considered the new winner of the public session for submission of bids for the relevant block.

CEL reserves the right to change or suspend the schedule of a cycle upon proper disclosure, preserving the deadlines and the bidders' rights.

1.4 Disqualification of bidders

A bidder shall be disqualified if:

- a) after submission of declaration of interest in the sectors accompanied by a bid bond, it does not submit a valid bid for at least one block or area of each of the sectors for which the declaration of interest was submitted;
- b) after opening the envelopes, it withdraws from its proposal;
- c) it is not qualified at the required level;
- d) it does not keep the qualification conditions until execution of the concession agreement;
- e) it does not execute the concession agreement;
- f) does not renew bonds when required;
- g) it performs, during this bidding process, an act showing willful misconduct or bad faith; and

h) it incurs the events set forth in art. 44 of ANP Resolution No. 18/2015.

In the event set forth in item (a), the effect of the disqualification is restricted to the blocks or areas for which the bidder has not submitted a bid.

In the event set forth in item (b), the effect of the disqualification is restricted to the blocks or areas object of the bid for which there has been a withdrawal.

In the cases provided for in items (c) and (d), the effect of disqualification is restricted to the blocks or areas for which the bidder has not reached or kept the qualification level required.

In the case provided for in item (e), the effect of the disqualification is restricted to the blocks or areas subject matter of the concession agreements not executed by the bidder.

In the event set forth in item (f), the effect of the disqualification is restricted to the blocks or areas covered by the non-renewed bond.

In the events set forth in items (a) to (f), the effect of the disqualification is restricted to the cycle of the Open Acreage Concession Modality in progress, and the bidder may submit a bid for the same block or area in subsequent cycles. In the events set forth in items (g) and (h), the effect of disqualification covers all cycles of the Open Acreage Concession Modality governed by this tender protocol.

1.5 Clarification about the provisions of the tender protocol

Clarification about the provisions of this tender protocol shall be requested in writing, in Portuguese, and directed to the email rodadas@anp.gov.br.

During the progress of a schedule of a cycle of the Open Acreage Concession Modality, clarification should be requested fifteen (15) days before the public session for submission of bids of each cycle.

2 OBJECT OF THE BID

The Open Acreage Concession Modality intends to award concession agreements for exploration or rehabilitation and production of oil and gas in blocks and areas provided for in ANNEX I.

ANNEX I – Part 1 includes detailed information and parameters related to the sectors and exploration blocks under Open Acreage Concession Modality, such as the duration of the exploration phase, the fees for occupation or retention of the area, the minimum qualification required for the operator in each sector, and the minimum amounts of the signature bonus and the minimum exploration program in units of work (UWs).

ANNEX I – Part 2 includes detailed information and parameters related to the sectors and areas with marginal accumulations under Open Acreage Concession Modality, such as the duration of the rehabilitation phase, the fees for occupation or retention of the area, the minimum qualification required for the operator in each sector, the minimum amounts of signature bonus for each area, and the amounts for the initial work program (PTI) and its respective guarantees.

ANP may include in the Open Acreage Concession Modality fields relinquished or pending relinquishment, relinquished exploration blocks with discoveries, as well as blocks or located in offshore basins areas that have already been authorized by CNPE in previous bidding processes, and offshore blocks.

Blocks and areas that have recently been subject to a Public Hearing and do not have any changes in their technical and economic parameters may be directly included in the Open Acreage Concession Modality procedures, with wide publicity in ANP's website <http://rodadas.anp.gov.br>.

ANP may exclude blocks or areas from the Open Acreage Concession Modality due to court order or, in a well-grounded manner, for technical or public interest reasons, as well as those already awarded in the scope of the Open Acreage Concession Modality.

To develop the activities of exploration or rehabilitation and production of oil and gas in the blocks and areas object of the Open Acreage Concession Modality, the winners or the affiliates indicated thereby shall execute concession agreements, which drafts are in ANNEXES XXX and XXXI,

Among the contractual obligations, the concessionaire shall be subject to payment of taxes levied on the activity, as provided by law, and government and third-party shares, as provided for in the concession agreement: signature bonus, royalties, special share (only provided for in the concession agreements for exploration blocks), and fee for occupation or retention.

2.1 Exploration models

This tender protocol contemplates the following exploration models:

- a) blocks and areas in mature basins, aiming at offering opportunities and increasing the share of small and medium-sized companies in the exploration or rehabilitation and production of oil and gas in densely explored basins, thus enabling the continuity of these activities in the regions where they play an important socio-economic role.
- b) blocks in new frontier basins, aiming at attracting investments to regions that are still geologically unknown or with technological barriers to be overcome, thus seeking to identify new producing basins;
- c) blocks in basins with high potential of finding natural gas and oil: aiming at recomposing the national reserves and meeting the growing domestic demand.

2.2 Government shares

The government shares applicable to this tender protocol were established by Law No. 9,478/1997 and regulated by Decree No. 2,705/1998. They comprise: (i) signature bonus; (ii) royalties; (iii) special share; and (iv) fees for occupation or retention of the area.

2.2.1 Signature bonus

The signature bonus corresponds to the amount in Reais (BRL) to be paid by the winner in a lump sum, within the term established by ANP, as a condition for execution of the concession agreement of the block or area object of the bid.

The signature bonus corresponds to the fixed amount payable to the Federal Government by the winner, and its reimbursement is prohibited in any event.

The signature bonus is defined according to the block or area offered, according to the amounts established in the tables included in ANNEX I of this tender protocol.

2.2.2 Royalties

Pursuant to article 47, paragraph 1, of Law No. 9,478/1997, taking into account geological risks, expected production, and other relevant factors, ANP established royalty fees for the sectors offered, as detailed in the tables included in ANNEX I of this tender protocol.

2.2.3 Special share

The special share shall be calculated every three months and apply to the net revenue of the individual production of each field. The rate to be adopted shall be calculated based on the volumes produced, the exploration location (onshore or the continental shelf, according to the bathymetric depth), and the number of years of production (1st, 2nd, 3rd, 4th, and more), according to the provisions of Decree No. 2,705/1998 and ANP's specific ordinances.

2.2.4 Fee for occupation or retention of the area

The unit price of the fee for the occupation or retention of the area are established in the Tables of ANNEX I of this tender protocol, in Reais per km², shall be paid and adjusted annually, as of the date of execution of the concession agreement, by the General Price Index – Internal Availability (IGP-DI) accrued in the 12 months preceding the date of each adjustment, as provided for in art. 28 of Decree No. 2,705/1998.

The fixed amounts shall be increased by one hundred percent (100%) in case of extension of the exploration or rehabilitation phase, when applicable, and for the development stage. In the production phase, they shall be increased by nine hundred percent (900%).

2.2.5 Payment to the landowners

The amounts for payment to the landowners are set forth in the concession agreements, at a percentage of the production of oil and gas that varies from zero point five percent (0.5%) to one percent (1%), under the applicable laws and regulations.

2.3 Local content commitment

2.3.1 Local content for exploration blocks

Regarding exploration blocks, the percentages of local content to be met in the exploration phase and in the production development stage are defined in Table 2 and in the concession agreement.

Table 1 – Local content commitments to be taken into account in the exploration phase and in the production development stage

Location of the area	Exploration Phase	Production Development Stage	
Onshore Blocks	50%	50%	
Offshore Blocks	18%	Construction of Well	25%
		Collection and Outflow System	40%
		Stationary Production Unit	25%

2.3.2 Local content for areas with marginal accumulations

The local content for areas with marginal accumulations shall not be subject to any contractual requirement.

3 SUBMISSION OF DOCUMENTS

The documents requested in this tender protocol, except for the bid bonds, shall be scanned and sent to ANP through the Electronic Information System (SEI); therefore, instructions in the documents “SEI External User Manual” and “SEI Document Application Manual for ANP Bidding Rounds”, available at the website <http://rodadas.anp.gov.br>, pursuant to the deadlines established by CEL in the cycles’ schedules.

Without prejudice to the digital files submitted through SEI, the original copies of the financial guarantees of the minimum exploration program, the initial work programs, and the performance bonds, respectively set forth in sections 10.1.2, 10.1.5, and of this tender protocol, shall be sent to ANP’s Main Office or submitted to ANP’s filing service, to the attention of the Licensing Rounds Promotion Superintendence – SPL, pursuant to the deadlines defined by CEL in the cycles’ schedules.

The bid bonds shall be sent exclusively to the ANP’s Main Office or submitted to ANP’s filing service, to the attention of the Licensing Rounds Promotion Superintendence – SPL, pursuant to the deadlines defined by CEL in the cycles’ schedules.

The documents prepared by the interested company shall be written in Portuguese and identified by a title on the first page, with no amendments, erasures, smudges, additions, or excerpts erased with any correction methods.

Except for the financial guarantees, annexes to this tender protocol shall be accepted if prepared:

- a) in two columns printed on the same page, as long as one of these columns transcribes the full text of the respective annex in Portuguese and the other, the full text in a foreign language; or
- b) in foreign language, accompanied by a sworn translation of the full text of the respective annex, according to the formalities in this section.

If there are discrepancies between the Portuguese and the foreign language versions, the Portuguese version shall prevail.

All documents prepared by the interested company, except for powers of attorney, shall be dated and signed by the accredited representative on the last page, with the signatory’s legible name. Powers of attorney shall be dated and signed by the legal representative(s) of the interested company with powers to do so.

Only documents issued up to ninety (90) days before submission to ANP shall be accepted. This provision does not apply to corporate documents, financial statements, independent auditor’s report, and documents with an express expiration date.

Submission of the documents required in the tender protocol after the deadlines established by CEL in the cycles' schedules is prohibited, except in the cases mentioned below.

ANP may request any additional information or document supporting the review of the interested companies' documents and promote such diligences as it deems necessary to clarify or supplement the bidding procedure, including the submission of the original copy of the document scanned. ANP may also request remediation of formal non-conformities that do not affect the contents of the document and correction of material errors.

Failure to meet requirements that are mere formalities and do not jeopardize the evaluation of the bidder's qualification, the understanding of the content of its bid or of the schedule of the bidding process shall not exclude the bidder from the bidding process, nor invalidate the process.

No documents submitted to ANP shall be returned, except for the bid bonds released, according to the conditions described in section 6.6.

It is worth mentioning, for purposes of this tender protocol, that:

- a) notarization: it is applicable to original documents and certification, to copies, both made by a registry office.
- b) legalization:
 - b1) it is the annotation in case the document was issued in a country signatory to the Apostille Convention; or
 - b2) it is the consularization in case the document was issued in a country non-signatory to the Apostille Convention.
- c) sworn translation to Portuguese: is the translation of a certain document written in a foreign language by a sworn translator. The sworn translation must cover the full text in foreign language, including any registrations by the local notary.
- d) scanned documents submitted by the interested company shall have the validity of non-certified copies.

In case of impossibility to digitally submit the documents requested in this tender protocol, ANP shall allow the interested company to submit these documents to ANP's Main Office or deliver them to ANP's filing service, to the attention of the Licensing Rounds Promotion Superintendence – SPL, pursuant to the deadlines defined in the schedule of each cycle of the Open Acreage Concession Modality.

In this case, the documents shall be submitted in an envelope containing the name of the interested company and its registered office address.

These documents shall be printed in A4 paper, with no amendments, erasures, smudges, additions, or excerpts erased with correction fluid, not coiled, identified by a title on the first page, with all pages numbered, each containing the sequential number and the total number of pages of the document.

The documents shall be received from Monday to Friday, from 9:00 a.m. to 6:00 p.m., Brasília/DF time, in the following address:

National Agency of Petroleum, Natural Gas, and Biofuels Main Office ATT: Licensing Rounds Promotion Superintendence – SPL Avenida Rio Branco, n ° 65, Térreo, Centro Rio de Janeiro – RJ, Brazil ZIP CODE: 20090-004

Submission of documents to other offices of ANP is prohibited.

3.1 Documents issued abroad

The documents issued abroad, in order to be valid in Brazil, shall be notarized, legalized, and duly registered in the Registry Office of Deeds and Documents (RTD), as determined in arts. 129 and 148 of Law No. 6,015/1973.

Documents written in a foreign language shall be translated into Portuguese by a sworn translator. The translation shall be made in Brazil and filed with the RTD.

If Brazil has entered into a cooperation agreement with other countries or is a party to a treaty that waives legalization of some or all documents provided for herein, the interested company may request it, based on the applicable laws and regulations.

3.1.1 Foreign legal entities

Foreign legal entities may participate in the Open Acreage Concession Modality, and, for this, they shall meet the requirements of this tender protocol.

If it is not possible to submit a certain document required by this tender protocol due to legal reasons of the country where the foreign interested company is based or because such document does not apply to such interested company, such company shall meet the corresponding requirement of the tender protocol by submitting the following documents:

- a) a document signed by an accredited representative containing: (i) the reasons preventing meeting of the requirement set forth in the tender protocol; (ii) a request for ANP to accept another document, instead of that provided for in the tender protocol, as compliant with the requirement; and (iii) a reference to submission of the documents provided for in items (b) and (c) below;
- b) equivalent documents intended to meet the requirement provided for in the tender protocol, to be submitted instead of the one mentioned in the tender protocol;
- c) if applicable, a copy of the legal provision preventing the interested company from meeting the requirement of the tender protocol.

In the event there is no document equivalent to that required by this tender protocol and/or no body in the country of origin that may certify it, the interested company shall, instead of the requirement set forth in item (b) above, submit a declaration in this regard accompanied by the documents set forth in items (a) and (c) above.

3.1.2 Corporate entities based in specific countries

CEL may request additional documents and information not listed in this tender protocol from interested companies based in countries classified as tax havens by the Brazilian Federal Revenue Office, as well as from interested companies based in countries classified as non-cooperative by the Council for Control of Financial Activities of the Ministry of Finance.

Based on well-grounded expert and/or legal opinions, the enrollment or qualification of the interested companies from these countries may be denied when the documents submitted are not sufficient to identify the actual controlling shareholders, as provided for in section 4.2.3, and secure the Federal Government's interest as holder of the rights to the exploration and production of oil and gas in Brazil.

3.2 Reuse of documents

Documents submitted to ANP for purposes of enrollment, qualification, and execution of agreements in the Open Acreage Concession Modality, as well as for enrollment, expression of interest, qualification, and execution of agreements in the bidding rounds and contract awards procedures as of January 2019 and up to one (1) year of the date of request for reuse. Therefore, the interested company shall submit a request for reuse, according to the rules and form in ANNEX II. The only documents that may be reused are those listed in the form of ANNEX II and that are still valid. The documents with no

express expiration date shall be reused only if submitted to ANP up to one (1) year before the request for reuse. This term is not applicable to charters, which may be reused while they are effective, and to the documents for economic and financial qualification.

The interested company shall list in ANNEX II the documents for which it requests reuse and inform, for each of them, the SEI number, the number of the bidding round, Open Acreage Concession Modality cycle, or procedure of award of agreements for which the documents were submitted, and, in this last case, it should inform the number of the award agreement for which the documents were submitted.

The reuse of documents does not imply approval of the enrollment or qualification of the interested company, and ANP may request clarification and/or additional documents.

Previously obtained qualification does not entail that a new qualification shall be granted.

3.3 Disclosure of information and secrecy by ANP

Documents regarding the bidding process are public, except for those classified as confidential under the applicable laws and regulations. Access to documents containing personal information and information related to the business activity, which disclosure may represent a competitive advantage to other economic agents, shall be prohibited.

The interested company opposing disclosure of information shall express it through a well-grounded request to ANP, which shall decide on its acceptance.

The interested company may request the disclosure of its contact persons and the basins in which it is interested at the website <http://rodadas.anp.gov.br>, according to the form in ANNEX III, indicating the interest in the Open Acreage Concession Modality.

4 ENROLLMENT FOR PARTICIPATION IN THE OPEN ACREAGE CONCESSION MODALITY

The following may participate in the Open Acreage Concession Modality, provided that they fully comply with all provisions of the tender protocol and the applicable laws and regulations:

- i) domestic or foreign legal entities developing a business activity, individually or in a consortium; and
- ii) private equity funds (FIPs), as non-operator, being allowed only to submit bids as a consortium.

In order to participate in the Open Acreage Concession Modality, enrollment is mandatory and individual for each interested company, even for those intending to submit bids through a consortium.

In order to apply for the Open Acreage Concession Modality, the interested company shall:

- a) fill out the electronic application form, pursuant to section 4.1;
- b) submit the enrollment documents, according to section 4.2; and
- c) pay and submit the proof of payment of the participation fee, pursuant to section 4.3.

Enrollment of the bidder implies awareness and acceptance of the rules and conditions provided for in this tender protocol and its annexes.

4.1 Completion of the electronic application form

Companies interested in participating in the Open Acreage Concession Modality shall individually complete the electronic enrollment form available at the website <http://rodadas.anp.gov.br>.

The main accredited representative appointed shall receive an email confirming the request for enrollment was received, containing all data provided in the form. Based on this electronic message, a digital PDF file shall be generated, to be forwarded through SEI.

In the electronic form, the interested companies shall inform the address, the corporate group, the main accredited representative before ANP, the controlling shareholder, and all members of the management structure (managers, officers, and members of the Board of Directors).

In addition to the main accredited representative, the other accredited representatives shall be appointed through a power of attorney, pursuant to section 4.2.2.

If, during the Open Acreage Concession Modality, there is any change in information provided in the enrollment form, the interested company shall report such changes to ANP. If there are any

discrepancies between the information filled in the electronic application form and those contained in the documents provided for in sections 4.2.1, 4.2.2, and 4.2.3, information on these documents shall prevail.

By filling out and submitting the form to ANP, the interested company states: (i) that it acknowledges and accepts the rules and conditions established in this tender protocol and its annexes; and (ii) that it is aware, under the penalties provided for in the applicable laws and regulations, of the Brazilian body of rules prohibiting and punishing harmful anti-competitive conducts, thus undertaking not to carry out such conducts.

4.2 List of enrollment documents

Legal entities, whether domestic or foreign, shall comply with this section. FIPs shall comply with the provisions in section 4.2.7.

The documents described below shall be submitted, pursuant to the formalities provided for in section 3.

4.2.1 Corporate documents

The interested company shall submit:

- a) acts of incorporation (bylaws or articles of association), as amended, or restatement of the acts of incorporation after any amendments, containing the most current provisions and in full force, all filed with the applicable commercial registry;
- b) documents evidencing the powers and names of the legal representatives, as well as the latest acts related to the election/appointment of these representatives, if applicable;
- c) documents evidencing satisfaction of any conditions to exercise the representatives' powers, as set forth in the acts of incorporation, if applicable (joint signatures of directors, express authorization of the partners or of the board of directors for the performance of certain acts, including execution of agreements, among others);
- d) declaration, pursuant to the form in ANNEX V, of (i) submission of a copy of the latest version of its articles of association or bylaws with the current provisions; (ii) evidence of the powers and names of its legal representatives; (iii) satisfaction of any conditions to exercise the representatives' powers, as set forth in the acts of incorporation, if applicable.

The documents mentioned in item (b) shall not be required if the powers and names of the legal representatives can be verified in the acts of incorporation (bylaws or articles of association).

Any amendment to the corporate documents referred to in items (a), (b), and (c), including corporate restructuring, change or transfer of the corporate control, during the Open Acreage Concession Modality, shall be informed to ANP immediately after the implementation of the act, accompanied by the related documents.

4.2.2 Appointment of accredited representatives

The interested company shall appoint one or more representatives accredited before ANP through a power of attorney, pursuant to ANNEX VI, signed by its legal representatives empowered to designate attorneys-in-fact.

If the interested company intends that any of its legal representatives act in the bidding process and/or sign the respective agreement, they shall also be appointed as accredited representatives through the abovementioned power of attorney (ANNEX VI), even if such representatives have powers granted through the bidder's corporate documents.

The accredited representative shall be the representative of the bidder in all phases of the Open Acreage Concession Modality, including in the execution of the respective agreement. If the bidder appoints more than one accredited representative, any of them, individually, shall represent the bidder in any acts related to the Open Acreage Concession Modality.

Bidders that appoint more than one accredited representative shall indicate who is the main one among them to whom any and all official correspondence of ANP related to the Open Acreage Concession Modality shall be sent.

Bidders shall appoint at least one accredited representative domiciled in Brazil.

Each accredited representative may represent only one bidder, unless the bidders are part of the same corporate group.

If more than one bidder appoints the same accredited representative, only the appointment of the first bidder shall be considered, respecting the order of submission of documents to ANP.

The bidder shall inform ANP and submit a new power of attorney (ANNEX VI) in case it intends to change the list of accredited representatives or their information, pursuant to section 3, and ANP shall revoke the power of attorney previously submitted.

Changes of accredited representatives shall not be allowed in the ten (10) business days preceding the public session for submission of bids and execution of the concession agreements, except for exceptional situations and upon a justified request submitted to ANP.

4.2.3 Organizational Chart

Organizational chart detailing the entire chain of control of the corporate group, signed by an accredited representative, including the respective percentage of voting quotas or shares of each individual or legal entity member of such group.

The organizational chart shall present the direct or indirect interests, up to the last level, indicating the respective controlling shareholders. Minority interests shall also be informed when minority shareholders are part of the Controlling Group through a Shareholders' Agreement.

For purposes of this bidding process, corporate group means the following group of legal entities:

- a) members of a formal group;
- b) bound by a common control relationship, whether direct or indirect.

Participation of bidders: (i) controlled by bearer shares, without explicit identification of control; or (ii) which organization or the organization of a legal entity member of its corporate group prevents or hinders identification of the controlling shareholders, except, in this case, for private pension plan companies, Investment Funds, and Private Equity Funds (FIPs), for which it is not necessary to identify the controlling shareholders, shall not be accepted.

The argument of enforcement of the law of the country of origin of a bidder intending to maintain the confidentiality about its shareholding control shall not be accepted for any reason.

4.2.4 Declaration of technical, economic, and financial capacity and legal, tax, and labor compliance

Declaration that the bidder shall, in the qualification stage, meet the qualification criteria required to execute the concession agreements regarding the blocks or areas for which it intends to submit a bid, pursuant to the form in ANNEX VII.

4.2.5 Commitment to adjust the corporate purpose

If the bidder's corporate purpose is not suitable for the object of the Open Acreage Concession Modality, a commitment to adjust the corporate purpose to the exploration and production of oil and gas shall be submitted for the execution of the concession agreement, if the bidder wins, according to the form in ANNEX IX.

4.2.6 Additional documents for enrollment of a foreign bidder

In addition to the documents listed in this section, foreign bidders shall submit the following documents:

- a) evidence that it is organized under and is in regular standing pursuant to the laws of its country of origin, upon submission of a document issued by the registry of legal entities of the country of origin during the one (1)-year period before the date of the enrollment with ANP; and
- b) a commitment to organize a legal entity under the laws of Brazil or to indicate a Brazilian legal entity already organized, with its principal place of business and management in Brazil, to execute the concession agreement if it wins the public session for submission of bids of a cycle of the Open Acreage Concession Modality, according to the form in ANNEX X.

4.2.7 Documents for enrollment of FIPs

The FIPs shall submit all documents listed in section 4.2, except for the documents listed in sections 4.2.1 and 4.2.5.

Additionally, they shall submit the following documents:

- a) charter with the latest amendment filed with the competent body;
- b) proof of registration for operation in the Brazilian Securities and Exchange Commission – CVM. If foreign, it shall submit a document similar to the registration with the regulator (CVM) of the country of origin;
- c) consolidated regulation as amended, if any;
- d) proof of registration of the regulation with the competent Registry Office of Deeds and Documents;
- e) proof of registration of the administrator and, if any, the manager, before the Brazilian Securities and Exchange Commission – CVM;
- f) minutes of the General Meeting that appointed the administrator and the manager;
- g) evidence that FIP is authorized to participate in the Open Acreage Concession Modality, through minutes of the General Meeting or another equivalent document;
- h) a commitment to organize a legal entity under the laws of Brazil or to indicate a Brazilian legal entity already organized, with its principal place of business and management in Brazil, to execute the concession agreement if it wins the public session for submission of bids of a cycle of the Open Acreage Concession Modality, according to the form in ANNEX X.

4.3 Payment of the participation fee and access to the technical data sample

The bidder shall pay the participation fee to participate in the Open Acreage Concession Modality in the amount of **two thousand, two hundred and fifty Reais (R\$2,250.00)**.

Payment of the participation fee is mandatory and individual to each bidder, even the ones intending to submit bids as a consortium.

The participation fee shall be paid through payment slip, generated at the website <http://rodadas.anp.gov.br>. The bidders shall send a copy of the proof of payment to the Licensing Rounds Promotion Superintendence of ANP – SPL by email to rodadas@anp.gov.br.

The payment of the participation fee shall give access to the sample of technical data of the sectors under Open Acreage Concession Modality; provided that the bidder has filled an electronic enrollment form, as set forth in section 4.1.

The technical data sample corresponds to a reduced set of data on exploration wells and seismic lines for each of the sectors under Open Acreage Concession Modality.

The access to the technical data sample shall be exclusively through the remote system (e-bid) available at the website <http://rodadas.anp.gov.br>. In order to access the e-bid system, the password sent to the bidder's primary accredited representative through an electronic message shall be used.

The technical data sample should not be confused with the technical data package, set forth in section 5 of this tender protocol.

4.3.1 Payments made abroad

Payment of the participation fee in foreign currency shall be made through wire transfer in U.S. dollars. The amount of the participation fee shall be converted into U.S. dollar by mandatorily using the official buying exchange rate (BACEN/Ptax buying) of the business day immediately before payment, as published by the Central Bank of Brazil.

The bidder shall verify, before the financial institution in charge of the transaction, the accrual of rates on the wire transfer, in order to ensure that the precise amount of the participation fee is effectively available to ANP after conversion into Reais (BRL).

The bidders shall send a copy of the proof of wire transfer to SPL to the email address rodadas@anp.gov.br.

The following data shall be observed in order to make the wire transfer:

SWIFT Code: BRASBRRJBHE

IBAN Code: BR9300000000022340003330087C1

Payee: National Agency of Petroleum, Natural Gas, and Biofuels

National Register of Legal Entities Enrollment Number (CNPJ) of the Payee: 02.313.673/0002-08

Bank: Banco do Brasil

Address: Address: Rua Professor Lélío Gama, 105 - Centro/RJ – Zip Code: 20031-201

Branch No.: 2234-9

Checking account No.: 333008-7

4.3.2 Return of the participation fee

The participation fee shall not be returned, except in the cases of revocation and annulment of the bidding process, set forth in section 14.1.

4.4 Enrollment approval

The bidders who comply with all enrollment requirements set forth in this section shall have their application judged by CEL.

The bidder whose application is judged and approved by CEL shall be deemed registered for any cycles of the Open Acreage Concession Modality. The bidder enrolled may submit an offer for any blocks or areas, in compliance with the rules in section 7 of this tender protocol.

The result of the enrollments judged by CEL shall be individually informed to the bidders through electronic messages. The list of all registered bidders shall be published on the website <http://rodadas.anp.gov.br> up to the date of the public session for submission of bids of each cycle of the Open Acreage Concession Modality.

Tables 2A and 2B consolidate the enrollment documents and the filing formalities set forth, respectively, for national and foreign bidders and FIPs.

Table 2A – List of enrollment documents – national and foreign bidders

Type	Section in the tender protocol	Document	Requirement	Model	SEI (document format)	Documents issued abroad and/or in a foreign language			
						Notarization ¹	Legalization (for documents issued abroad)	Sworn translation (for documents in a foreign language)	Filing with the Registry Office of Deeds and Documents (for documents issued abroad)
4 Registrati on	4.1	Completion of the electronic application form	√	Website	Born-digital ³	Not applicable.	Not applicable.	Not applicable.	Not applicable.
	4.2.1 a)	Corporate documents/Acts of incorporation	√	No	Scanned	√	√	√	√
	4.2.1 b)	Corporate documents/Evidence of the powers and names of the legal representatives	If applicable	No	Scanned	√	√	√	√
	4.2.1 c)	Corporate documents/Documents evidencing satisfaction of any conditions to exercise the representatives' powers	If applicable	No	Scanned	√	√	√	√
	4.2.1 d)	Charter update statement	√	ANNEX V	Scanned ²	√	√	Not applicable. See the form in the annex.*	√
	4.2.2	Power of attorney to appoint accredited representatives	√	ANNEX VI	Scanned ²	√	√	√	√
	4.2.3	Detailed ownership structure of the chain of control	√	No	Scanned ²	√	√	√	√
	4.2.4	Declaration of technical, economic, and financial capacity and legal, tax, and labor compliance	√	ANNEX VII	Scanned ²	√	√	Not applicable. See the form in the annex.*	√

Type	Section in the tender protocol	Document	Requirement	Model	SEI (document format)	Documents issued abroad and/or in a foreign language			
						Notarization ¹	Legalization (for documents issued abroad)	Sworn translation (for documents in a foreign language)	Filing with the Registry Office of Deeds and Documents (for documents issued abroad)
	4.2.5	Commitment to adjust the corporate purpose of the bidder to the exploration and production of oil and gas	If applicable	ANNEX IX	Scanned ²	√	√	Not applicable. See the form in the annex.*	√
	4.2.6 a)	Evidence that the company is organized under and is in regular standing with the laws of its country	Only for foreign bidders	No	Scanned ²	√	√	√	√
	4.2.6 b)	Commitment to organize a legal entity under the laws of Brazil or to indicate a Brazilian legal entity already organized, with its principal place of business and management in Brazil, to execute the concession agreement if it wins the public session for submission of bids of a cycle of the Open Acreage Concession Modality	Only for foreign bidders	ANNEX X	Scanned ²	√	√	Not applicable. See the form in the annex.*	√
	4.3	Copy of the proof of payment of the participation fee	√	No	Born-digital ³ or scanned	Not applicable.	Not applicable.	Not applicable.	Not applicable.

Note:

1. In case notarization is in a foreign a language, a sworn translation and registration with the RTD are required.

2. The documents required shall be printed, dated, signed by the accredited or legal representative, as the case may be, and scanned for submission through the SEI.

3. Born-digital document is the document created electronically.

Table 2B – List of enrollment documents – FIPs

Type	Section in the tender protocol	Document	Requirement	Model	SEI (document format)	Documents issued abroad and/or in a foreign language			
						Notarization ¹	Legalization (for documents issued abroad)	Sworn translation (for documents in a foreign language)	Filing with the Registry Office of Deeds and Documents (for documents issued abroad)
4 Registration	4.1	Completion of the electronic application form	✓	Website	Born-digital ³	Not applicable	Not applicable.	Not applicable.	Not applicable.
	4.2.2	Power of attorney to appoint accredited representatives	✓	ANNEX VI	Scanned ²	✓	✓	✓	✓
	4.2.3	Detailed ownership structure of the chain of control	✓	No	Scanned	✓	✓	✓	✓
	4.2.4	Declaration of technical, economic, and financial capacity and legal, tax, and labor compliance	✓	ANNEX VII	Scanned	✓	✓	Not applicable. See the form in the annex.*	✓
	4.2.7 a)	Charter with the latest amendment filed with the competent body	✓	No	Scanned	✓	✓	✓	✓

Type	Section in the tender protocol	Document	Requirement	Model	SEI (document format)	Documents issued abroad and/or in a foreign language			
						Notarization ¹	Legalization (for documents issued abroad)	Sworn translation (for documents in a foreign language)	Filing with the Registry Office of Deeds and Documents (for documents issued abroad)
	4.2.7 b)	Proof of registration for operation in the Brazilian Securities and Exchange Commission – CVM. For foreign bidders, registration with a similar regulator of the country of origin	✓	No	Scanned	✓	✓	✓	✓
	4.2.7 c)	Consolidated regulation (as amended, if any)	✓	No	Scanned	✓	✓	✓	✓
	4.2.7 d)	Proof of registration of the regulation with the competent Registry Office of Deeds and Documents	✓	No	Scanned	✓	✓	✓	✓
	4.2.7 e)	Proof of registration of the administrator and, if any, the manager, before the Brazilian Securities and Exchange Commission	✓	No	Scanned	✓	✓	✓	✓

Type	Section in the tender protocol	Document	Requirement	Model	SEI (document format)	Documents issued abroad and/or in a foreign language			
						Notarization ¹	Legalization (for documents issued abroad)	Sworn translation (for documents in a foreign language)	Filing with the Registry Office of Deeds and Documents (for documents issued abroad)
	4.2.7 f)	Minutes of the General Meeting that appointed the administrator and the manager	√	No	Scanned	√	√	√	√
	4.2.7 g)	Evidence that the FIP is authorized to participate in the Open Acreage Concession Modality, through minutes of the General Meeting or another equivalent document	√	No	Scanned	√	√	√	√

Type	Section in the tender protocol	Document	Requirement	Model	SEI (document format)	Documents issued abroad and/or in a foreign language			
						Notarization ¹	Legalization (for documents issued abroad)	Sworn translation (for documents in a foreign language)	Filing with the Registry Office of Deeds and Documents (for documents issued abroad)
	4.2.7 h)	Commitment to organize a legal entity under the laws of Brazil or to indicate a Brazilian legal entity already organized, with its principal place of business and management in Brazil, to execute the concession agreement if it wins the public session for submission of bids of a cycle of the Open Acreage Concession Modality	✓	ANNEX X	Scanned	✓	✓	Not applicable. See the form in the annex.*	✓
	4.3	Copy of the proof of payment of the participation fee	✓	No	Born-digital ³ or scanned	Not applicable.	No	No	No

Note:

1. In case notarization is in a foreign language, a sworn translation and registration with the RTD are required.
2. The documents required shall be printed, dated, signed by the accredited or legal representative, as the case may be, and scanned for submission through the SEI.
3. Born-digital document is the document created electronically.

5 TECHNICAL DATA PACKAGE

The technical data package is a compilation of public technical data selected for the Open Acreage Concession Modality, composed of a regional dataset of the sectors or groups of sectors.

In addition to data for sectors with blocks offered, data packages regarding sectors which blocks or areas are expected to be included in the Open Acreage Concession Modality soon are available. Therefore, not all sectors or groups of sectors currently have blocks or areas offered.

To access the technical data package, the bidder shall comply with the provisions in section 5.4.

ANNEX IV includes columns specifying (i) the sectors or group of sectors with data packages available and (ii) the sectors or group of sectors that currently have blocks or areas offered published in this tender protocol.

The content of each technical data package shall respect, in full or in part, the structure listed in sections 5.1 and 5.2.

5.1 Technical data packages for exploration blocks

a) General information:

- Geological Summary: geological description, stratigraphic column, schematic geological sections, and other relevant information; and
- Joint opinion of the relevant Environmental Authority and ANP on the environmental sensitivity of areas that shall be offered.

b) Thematic maps:

- Map of the basin with location of the blocks; and
- Map of the basin with division of the sectors.

c) Public seismic data:

- 2D Post-Stack seismic lines, in standard SEG-Y format; and
- 3D Post-Stack seismic surveys, in standard SEG-Y format.

d) Public data on wells:

- Compound profiles;

- Profile curves (LAS format for pre-ANP data and LIS or DLIS format for post-ANP data on wells);
 - Geochemical data on Rock-Eval Pyrolysis and TOC percentage; and
 - Well folders containing data and information on geology (description of drill cuttings, analysis of samples, sedimentology, and geochemistry), drilling (fluids, lining, and cementing), production (completion, testing, logging, and analysis of fluid samples), and other relevant information.
- e) Public gravimetric and magnetometric data:
- Gravimetric data (x, y, and z), ASCII format; and
 - Magnetometric data (x, y, and z), ASCII format.
- f) Geological and Geophysical Studies contracted by ANP.

5.2 Technical data packages for areas with marginal accumulations

- a) General information:
- Studies on areas with marginal accumulations; and
 - Opinions from competent environmental authorities containing environmental guidelines.
- b) Thematic maps:
- Map of the basin with location of the areas;
- c) Public seismic data:
- 2D Post-Stack seismic lines, in standard SEG-Y format; and
 - 3D Post-Stack seismic lines, in standard SEG-Y format.
- d) Public data on wells:
- Compound profiles;
 - Profile curves (LAS format for pre-ANP data and LIS or DLIS format for post-ANP data on wells); and
 - Well folders containing data and information on geology (description of drill cuttings, analysis of samples, sedimentology, and geochemistry), drilling (fluids, lining, and

cementing), production (completion, testing, logging, and analysis of fluid samples), and other relevant information.

e) Production data:

- Production of oil;
- Production of condensed product;
- Production of gas; and
- Production of water.

5.3 Payment of fees for accessing the technical data package

Bidders may pay fees for accessing the technical data package regarding a sector or group of sectors, pursuant to the amounts in ANNEX IV.

The payment of fees for accessing the technical data package **is optional**, is not related to the enrollment, and does not bind or limit bids in the public session for submission of bids.

Payment shall be made through payment slip, generated on the website <http://rodadas.anp.gov.br>. The bidders shall send a copy of the proof of payment to SPL to the email address rodadas@anp.gov.br.

5.3.1 Payments made abroad

The fees for accessing the technical data package in foreign currency shall be paid through wire transfer in U.S. Dollars. The amount of the fee for accessing the technical data package shall be converted into U.S. Dollars by mandatorily using the official buying exchange rate (BACEN/Ptax buying) of the business day immediately before payment, as published by the Central Bank of Brazil.

The bidder shall verify, before the financial institution in charge of the transaction, the accrual of rates on the wire transfer, in order to ensure that the precise amount of the fee for accessing the technical data package set forth in ANNEX IV is effectively available to ANP after conversion into Reais (BRL)

The bidders shall send a copy of the proof of wire transfer to SPL to the email address rodadas@anp.gov.br.

The following data shall be observed in order to make the wire transfer:

SWIFT Code: BRASBRRJBHE

IBAN Code: BR9300000000022340003330087C1

Payee: National Agency of Petroleum, Natural Gas, and Biofuels

National Register of Legal Entities Enrollment Number (CNPJ) of the Payee: 02.313.673/0002-08

Bank: Banco do Brasil

Address: Address: Rua Professor Lélío Gama, 105 - Centro/RJ – Zip Code: 20031-201

Branch Code: 2234-9

Checking account No.: 333008-7

5.3.2 Return of fee for accessing the technical data package

The fee for accessing the technical data package shall only be returned if ANP withdraws the entire area corresponding to the technical data package due to a legal order, for technical or public concern justified reasons, or even in cases of revocation and termination of the bidding process, as provided for in section 14.1.

5.4 Access and receipt of the technical data package

To access the technical data package, the bidder shall:

- a) fill out the electronic request for enrollment form, pursuant to section 4.1;
- b) prove the payment of the fee for accessing the technical data package corresponding to the sector or groups of sectors of interest, pursuant to section 5.3;
- c) submit a document with the sectors for which they have paid the fees for accessing the technical data package, according to the form in ANNEX IV;
- d) submit the confidentiality agreement regarding data contained in the technical data packages, pursuant to the form in ANNEX VIII.

For the documents referred to in items (c) and (d), their signatories' powers shall be evidenced. If they have been signed by the same legal representative of the legal entity that has signed the Terms of Use of the Exploration and Production Database (BDEP), in line with ANP Resolution No. 757/2018 or a subsequent standard, it shall not be necessary to evidence the signatory's powers to pick up the data package; provided that:

- a) the legal entity that signed the Terms of Use of the BDEP is the same one participating in the Open Acreage Concession Modality;
- b) the Terms of Use of the BDEP is duly updated and effective.

After approval of the documents mentioned in this section, the password for access to the system shall be sent to the bidder's primary accredited representative through an electronic message by ANP.

5.4.1 Remote access

Preferred access to the technical data package shall be provided, preferably, through the remote system (e-bid) at the website <http://rodadas.anp.gov.br/>.

In order to access the *e-bid* system, the password sent to the bidder's primary accredited representative through an electronic message shall be used.

5.4.2 Receipt of the technical data package in person

Technical data packages may also be picked up in person at ANP/Urca, ANP's Exploration and Production Database, located at Av. Pasteur, nº 404, bloco A4, Urca, Rio de Janeiro, State of Rio de Janeiro, upon prior scheduling through the email rodadas@anp.gov.br.

In this case, the bidder shall deliver directly to ANP/Urca a new external hard drive (HD), in a sealed package, with sufficient storage capacity for recording of the technical data packages.

The technical data packages may be picked up by:

- a) an accredited representative;
- b) the bidder's legal representative, provided that it is also the signatory, on behalf of the legal entity, of the Terms of Use of the BDEP; or
- c) a person authorized by the accredited representative or the legal representative that signed the Terms of Use of the BDEP. The name, identification card, and title of the authorized person shall be included in ANNEX IV.

6 BID BOND

Only the bidder whose enrollment was approved by CEL may provide bid bonds.

In order to individually submit a bid in the public session for submission of bids, the bidder must provide a bid bond for the blocks or areas of its interest.

Bid bonds shall be accompanied by a declaration of interest in the sectors, through which bidders shall indicate the sectors containing the blocks or areas for which they intend to submit bids, pursuant to the form in ANNEX XIII.

For consortium bids, the bid bonds shall be provided by only one bidder member of the consortium.

The bidder that does not provide a bid bond accompanied by a declaration of interest in the sectors may only submit bids through a consortium.

The bid bonds may be provided in the following types:

- a) letter of credit;
- b) performance bond; and
- c) escrow deposit.

The bid bonds provided through a letter of credit and performance bond shall have ANP as the beneficiary and the bidders as the policyholders, and they may not contain sections excluding any liabilities incurred by the policyholders of the bonds with respect to the participation in this Open Acreage Concession Modality.

The bidder enrolled may submit declaration of interest in the sectors accompanied by a bid bond to ANP at any time. However, in order to participate in the public session for submission of bids of a cycle of the Open Acreage Concession Modality, the bidder enrolled shall observe the schedule established by CEL for the relevant cycle. The bidder that submits a declaration of interest in the sectors accompanied by a bid bond after the deadlines established in the schedule shall only participate in public session for submission of bids in subsequent cycles of the Open Acreage Concession Modality, as presented in section 1.3.1.

6.1 Amount of the bid bond

The bidder or one of the members of the consortium shall provide ANP with a bid bond for the blocks or areas of interest indicated in ANNEX XIII, observing the sectors where the block or area

object of the bid is located and in compliance with the minimum amounts per block or area indicated in the tables of ANNEX I.

6.2 Effectiveness of the bid bonds

The bid bonds provided through letter of credit and performance bond shall be valid for at least three hundred and sixty (360) days.

In case of postponement of the date of execution of the concession agreements, the bidders with valid bids shall automatically renew their bid bonds for a minimum term of sixty (60) days.

6.3 Provision of the bid bonds

As provided for in section 6.1, the bidders may provide bid bonds in the number and amount they wish.

In case of FIPs, the bid bond shall be on behalf of its administrator (policyholder) and explicitly indicate the FIP's name.

The bid bonds shall be accompanied by ANNEX XIII, in which the bidder shall state, in advance, the sectors for which it intends to submit bids.

The bid bond and ANNEX XIII shall be submitted in a sealed envelope identified as follows:

National Agency of Petroleum, Natural Gas, and Biofuels – ANP Main Office ATT: Licensing Rounds Promotion Superintendence Open Acreage Concession Modality Avenida Rio Branco, nº 65, Térreo Centro, Rio de Janeiro – RJ, Brazil ZIP CODE: 20090-004 CONFIDENTIAL DOCUMENT

The bidder intending to submit bids for more than one block or area shall certify that it has bonds in an amount sufficient to cover its total bids.

Each bid deemed valid by CEL shall be associated with a bid bond. The amount of the bonds associated with valid bids shall be deducted from the total amount of the bonds provided. The bids exceeding the total amount of the bonds provided shall be invalidated.

The envelope for submission of the bid shall indicate the bidder providing the bond that shall be bound to the bid at stake.

The bid bonds bound to a valid bid shall remain withheld by ANP until execution of the concession agreement, period after which they may be withdrawn upon ANP's call notice.

The bid bonds shall be sent exclusively to ANP's Main Office or submitted to ANP's filing service, to the attention of the Licensing Rounds Promotion Superintendence – SPL, pursuant to the deadlines defined by CEL for each cycle of the Open Acreage Concession Modality.

Table 3 – Provision of Bid Bonds

Types of Bid Bonds	Model	Submission of the Original Version to ANP	Submission of a Copy through the SEI
Letter of Credit	ANNEX XI (Part 1)	Yes	No
Performance Bond	ANNEX XI (Part 2)	Yes	No
Escrow Deposit	ANNEX XII	Yes	No

6.4 Types and issuer of the bid bonds

The bid bonds may be provided in the following types: (i) letter of credit; (ii) performance bond; and (iii) escrow deposit.

The letters of credit shall be issued by banks and financial institutions duly registered in and authorized to operate by the Central Bank of Brazil, according to the form in ANNEX XI (Part 1).

The performance bond policies shall be issued by insurance companies authorized by the Private Insurance Superintendence – Susep and qualified to operate, according to the form in ANNEX XI (Part 2).

Such policies shall accompanied by a declaration containing the number of the reinsurance agreement executed by a legal entity authorized by Susep, or accompanied by a reinsurance declaration issued by the reinsurer.

For the letter of credit and the performance bond, it is also important to note:

- a) The institutions that issue these bonds may not be in default of their obligation to indemnify ANP for bonds already provided or be under a tax management, intervention, and liquidation regime. ANP will release on the website <http://rodadas.anp.gov.br> the list of financial institutions in default with their obligation to indemnify ANP, and these institutions shall therefore not be admitted as guarantors.

- b) The location of execution of the bonds shall be exclusively the city of Rio de Janeiro. In case it does not have a branch in this city, the bond issuer shall appoint a representative for such purpose and shall immediately communicate ANP of any change of representative.
- c) The documents supporting the status of legal representatives of the issuer shall be accompanied by: (i) corporate documents related to the legal entity providing the bond, as detailed in section 4.2.1, items (a), (b), and (c); (ii) power of attorney for the representatives that shall sign the bonds, if applicable; and (iii) certified copies of the documents (Individual Taxpayer's Enrollment Number (CPF) and identity card) of the representatives referred to in item (ii); and
- d) For the electronic bonds digitally signed through a digital certificate of the Public Key Infrastructure – ICP-Brasil, there is no need for submitting the documents supporting the condition of legal representatives of the issuer, as long as it is possible to evidence such condition on the website of the institution issuing the bond.

For provision of bid bonds as an escrow deposit, the bidder (pledger) shall open one or more escrow accounts with any branch of Caixa Econômica Federal – CEF, using the “Escrow Receipt ” form, available in ANNEX XII.

The escrow account shall be held by the bidder, with the National Agency of Petroleum, Natural Gas, and Biofuels – ANP (CNPJ No. 02.313.673/0002-08) as payee.

The deposit receipt, as well as the original copy of the “Escrow Receipt” form, properly filed out and signed, shall be submitted. In case the deposit is made by check, the bank statement of the escrow account shall also be submitted to evidence clearance of the check.

The escrow deposit is governed by Decree-Law No. 1,737/1979 and Decree No. 93,872/1986. The criteria, conditions, and correction and adjustment indexes of the amount deposited to the escrow account are defined by CEF and established in the form “Escrow Receipt”.

6.5 Execution of the bid bond

The bid bond shall be executed in the amount corresponding to the block or area object of the bid, as expressly determined by ANP, in the following cases:

- a) if the bidder that has individually won the public session for submission of bids and does not obtain the minimum qualification required for the sector where the blocks or areas object of the bid are located;

- b) if the remaining bidder that, when called by ANP, expresses interest in honoring the bid submitted by the winner does not obtain the minimum qualification required for the sector where the blocks or areas object of the bid are located;
- c) if, in case of a consortium that wins the public session for submission of bids, one or more consortium members do not obtain the minimum qualification required for the sector where the blocks or areas object of the bid are located and the other consortium members do not undertake the responsibilities of the non-qualified bidders;
- d) if, in case of a remaining consortium that, when called by ANP, expresses interest in honoring the bid submitted by the winner, one or more consortium members do not obtain the minimum qualification required for the sector where the blocks or areas object of the bid are located and the other consortium members do not undertake the responsibilities of the non-qualified bidders;
- e) if the bidder that has individually won the bidding process or an affiliate indicated thereby fails to execute the concession agreement within the term defined by ANP;
- f) if, in case of a consortium that wins the bidding process, none of the consortium members or their affiliates execute the concession agreement within the term defined by ANP;
- g) if the winner of the public session for submission of bids of a cycle of the Open Acreage Concession Modality does not execute the concession agreement, the bidder or the consortium that, called by ANP, expresses interest in honoring the bid submitted by the winner fails to execute the concession agreement within the term defined by ANP; and
- h) in the disqualification cases provided for in items (b), (c), (d), and (e) of section 1.4, except for consortium bids in which the remaining consortium members undertake the responsibilities of the disqualified bidders.

In the disqualification case provided for in item “a” of section 1.4, as expressly determined by ANP, the bid bond shall be executed in the amount corresponding to the bid bond required for an exploration block or the lowest amount corresponding to the bid bond required for an area with marginal accumulations in the sector for which there was a declaration of interest, but no valid bid was submitted.

As an alternative to the execution of the bid bond, the bidder may directly pay the Federal Government through the Federal Government Payment Form (GRU), pursuant to the instructions in the website <http://rodadas.anp.gov.br>. In both cases, whether execution of the bid bond or direct payment to the Federal Government, the bidder shall not be exempted from any imposition of the penalties provided for in section 11 and the applicable laws and regulations.

For the escrow deposit, the bid bonds shall be executed upon withdrawal of the amount corresponding to the bid bond for the block or area object of the bid. The applicable inflation adjustment shall be refunded to the depositor if there is no imposition of the penalty provided for in section 11. In case of application of penalty, the amount arising from the inflation adjustment shall be withheld and deducted from the total amount of the penalty payable.

6.6 Release and return of the bid bond

The bid bond shall be released under the following conditions:

- a) to all bidders, in case of revocation or cancellation of the bidding process, within fifteen (15) days after publication of the act in the Federal Official Gazette (DOU);
- b) when it is not related to a valid offer, within fifteen (15) days after the public session;
- c) to all bidders that submitted a valid bid, within fifteen (15) days of execution of the concession agreement.

Upon release, the bid bonds shall be returned upon prior scheduling by ANP. In cases of bid bonds provided as escrow, ANP shall provide the documents authorizing the release of all funds available.

The bid bonds not withdrawn by the bidders shall be filed by ANP until their effective term, after which they may be destroyed.

7 SUBMISSION OF BIDS

7.1 Bidding venue and schedule

The public sessions for submission of bids shall occur on a date and place to be disclosed by CEL for each cycle of the Open Acreage Concession Modality.

The number of seats available in the public sessions shall be subject to the capacity of the auditorium. Specific seats shall be assigned for accredited representatives of the bidders, press, and general public.

7.2 Composition of the bids

The bids for exploration blocks shall be composed of the amount of the signature bonus and the minimum exploration program (PEM).

The bids for the areas with marginal accumulations shall be exclusively composed by the amount of the signature bonus.

7.2.1 Signature bonus

The signature bonus, criterion in bids for blocks and areas, corresponds to the amount in Reais (BRL) offered for award of concession of the block or area object of the bid, and shall be paid by the winner within the term established by ANP as a condition for execution of the concession agreement.

The signature bonus offered for blocks and areas may not be lower than the minimum amounts established in ANNEX I.

Any bid presenting signature bonus below the minimum amount defined for such block or area shall be deemed invalid.

7.2.2 Minimum exploration program (PEM)

The minimum exploration program, the only criterion in bids for exploration blocks, corresponds to the set of exploration activities to be developed by the concessionaire and is expressed in units of work (UWs). The minimum exploration program offered shall be mandatorily complied with during the exploration phase.

Bids of a minimum exploration program shall be accepted only if expressed in whole numbers of UWs and in an amount equal to or greater than the minimum established for each block, pursuant to the amount listed in ANNEX I.

The accepted exploration activities and the equivalence relation between the UWs and the respective amounts of the financial guarantee of the minimum exploration program can be found in Table 19 of ANNEX XIV.

Any bid for exploration blocks presenting an exploration program lower than the minimum amount defined for the block at stake shall be deemed invalid.

7.3 Procedure for submission of bids

The procedure for submission of bids and determination of the winning bid shall be public, transparent, and governed by the following rules:

- a) bids may be submitted by any bidder enrolled;
- b) bidders shall meet the qualification requirements provided for in the tender protocol for the sector where the block or area object of the bid is located;
- c) bidders that submit declarations of interest in the sectors accompanied by a bid bond approved by CEL may submit bids only for the sector for which it declared interest;
- d) each bid shall be associated with a valid bid bond. The envelope containing bids exceeding the total amount of the bonds submitted shall be invalidated in its entirety;
- e) bids shall be prepared in a specific software developed by ANP, which shall be available on the website <http://rodadas.anp.gov.br>;
- f) each bid generated by the computer program have a unique bid Identification Code (ID). All printed forms related to the same bid shall include the same ID code;
- g) forms generated by the software shall be included in a sealed envelope identified with a cover, and signed by the accredited representative of the bidder;
- h) electronic bids shall be homologated with the printed version, and this is the only official version. In case of discrepancy between the printed and the electronic versions or technical problems, the printed document shall prevail;
- i) bids shall be prepared per block or area offered;
- j) bids for the same sector shall be included in a single envelope;
- k) if the bidder wishes to submit bids in different consortiums for different blocks or areas located in the same sector, these bids shall be submitted in different envelopes;

- l) as established in item IV of art. 38 of Law No. 9,478/1997, no bidder may submit more than one bid for the same block or area, either individually or in a consortium. All bids for the same block or area which conflict with this rule shall be invalidated by CEL;
- m) limitation in the foregoing item is extended to bidder forming part of the same corporate group¹ and to bidders having the members of the management structure (managers, officers, and members of the Board of Directors), partners, or accredited representatives in common, unless they demonstrate not to act representing the same corporate interest. Bidders possibly meeting these conditions may request CEL, with reasonable grounds, to decide if they may submit bids for the same blocks or areas, taking into account the competitiveness of the bidding process;
- n) the bidder or other bidders of the same corporate group may participate in other consortiums to bid for different blocks or areas;
- o) the bidding process shall start following the sequence defined by CEL for each cycle of the Open Acreage Concession Modality, and a deadline for the bidders to go to the bid area shall be established;
- p) the accredited representatives of the bidders may only enter the bidding area bearing the bid envelopes, pursuant to the rules included in this section;
- q) all envelopes entering the bid area shall be sealed and submitted to CEL;
- r) the envelopes shall be submitted to CEL during the public session for submission of bids by the accredited representatives of the bidders, with powers granted by the power of attorney, pursuant to the form in ANNEX VI, carrying an official photo identification card;
- s) CEL shall verify if the envelope is filled and may, at its discretion, request relevant corrections;
- t) the envelopes containing the bids shall be opened and analyzed by CEL;
- u) the winning bids for each block or area in a given sector shall be disclosed before opening of the submission of bids for the next sector;
- v) only bids made exclusively as instructed in this tender protocol shall be accepted. Bids not compliant with the instructions in this tender protocol shall be invalidated by CEL.

¹ Section 4.2.3 sets forth the concept of corporate group for purposes of this tender protocol.

7.3.1 Submission of consortium bids

To participate in the Open Acreage Concession Modality, each bidder member of the consortium shall enroll individually. Submission of bids by bidders in consortiums shall be accepted if they meet the following requirements:

- a) the bidder indicated as the consortium operator must meet the requirements for qualification under the minimum category required for the sector where the blocks or areas under bidding are located;
- b) the other consortium members shall meet at least the requirements for qualification and submission of bids as a non-operator defined in section 8.3.1;
- c) the bidder wishing to qualify itself as a non-operator may only submit consortium bids;
- d) the operator may not hold interest below thirty percent (30%) in the consortium;
- e) each of the other consortium members shall hold interest of at least five percent (5%) in the bidding consortium;
- f) the bidders shall sign the commitment to form a consortium signed by the consortium members, indicating the operator bidder responsible for the consortium and the conduct of the operations, according to the envelope cover form described in section 7.3.

7.4 Bid evaluation criteria

The bids shall be evaluated individually for each block or area upon assignment of points and weights.

CEL will judge the bids according to the criteria set forth in this tender protocol and in Law No. 9,478/1997, invalidating the bids that do not meet the pre-set requirements.

7.4.1 Exploration blocks

The exploration blocks shall be evaluated upon assignment of points and weights, as indicated below:

- a) the signature bonus shall weigh eighty percent (80%) in the calculation of the final score to be attributed to the competing bidder or consortium, as detailed in section 7.2.1;
- b) the minimum exploration program shall weigh twenty percent (20%) in the calculation of the final score to be attributed to the competing bidder or consortium, as detailed in section 7.2.2.

Thus, for a maximum of one hundred (100) points, the final score to be assigned to a particular bidder shall be composed of two (2) parts, calculated as follows:

$$SCORE\ 1 = 80 \times \left(\frac{Signature\ Bonus\ Offered\ (BRL)}{Highest\ Signature\ Bonus\ Offered\ (BRL)} \right)$$

$$SCORE\ 2 = 20 \times \left(\frac{PEM\ offered\ in\ UWs}{Highest\ PEM\ offered\ in\ UWs} \right)$$

$$FINAL\ SCORE = SCORE\ 1 + SCORE\ 2$$

Scores 1 and 2 shall be calculated with five (5) decimal places, ignoring the values from the sixth decimal place. The final score is calculated by adding scores 1 and 2 and shall be rounded to four (4) decimal places. When the fifth decimal place of the final score is equal to or greater than five (5), the fourth decimal place shall be rounded up.

The bids shall be qualified according to the descending order of score, and the winner of the public session for submission of bids is the bidder whose bid obtains the highest final score.

7.4.2 Areas with marginal accumulations

For areas with marginal accumulations, the calculation shall be made taking into account only the amount of signature bonus offered.

Bids shall be qualified in descending order of the amounts of signature bonus offered, observing the minimum amounts defined in ANNEX I.

The winner of the public session for submission of bids shall be the bidder offering the highest signature bonus.

7.4.3 Tiebreaker rules

When two or more bidders receive the same score for the same block or offer the same signature bonus for the same area with marginal accumulation, and the provisions of article 42 of

Law No. 9,478/1997 do not apply, a new deadline shall be given for the tied bidders to submit new bids. New bids may not be lower than preceding bids, both in regard to the signature bonus and to the minimum exploratory program, when applicable.

The schedules for submission of the new bids shall be determined by CEL. If these bidders do not submit new bids or in case of a new tie, a random draw shall be used as a tiebreaker criterion, held in public forum, in the same session, at the time designated by CEL.

8 QUALIFICATION

Qualification comprises review of documentation to evidence bidders' legal, tax, and labor compliance, economic and financial capacity, and technical capacity.

Only the documents of the winners of the public session for submission of bids shall be reviewed by ANP.

The bidders shall be qualified as operators or non-operators, according to the criteria established in this section, and shall be classified as follows:

- a) **operator A** – qualified to operate blocks located in ultra-deepwater, deepwater, shallow water, onshore and in areas with marginal accumulations;
- b) **operator B** – qualified to operate blocks located in shallow water, onshore, and in areas with marginal accumulations;
- c) **operator C** – qualified to operate in onshore blocks and in areas with marginal accumulations;
- d) **operator D** – qualified to operate in areas with marginal accumulations;
- e) **non-operator** – qualified to operate as a consortium, pursuant to the provisions in section 8.3.1.

ANP shall classify the bidders at the highest level of qualification possible, according to the review of the documents submitted.

In case the bidder obtains a level of technical qualification different from the level of economic and financial qualification, the lower qualification shall be considered.

After closing of the public session for submission of bids, the winners shall submit the documents for qualification listed in this section within the term established for each cycle.

Pursuant to the formalities provided for in section 3, the winner must submit only one set of documents, regardless of the number of blocks or areas it won.

In case of a consortium, the qualification documents must be submitted by each of the consortium members. The bidder appointed as operator of the consortium must qualify in the minimum category required for the sector where the blocks or areas object of the bid are located.

ANP may request any additional information and documents as necessary to support the qualification.

Information provided by the bidders for purposes of qualification may be verified by ANP by means of previously scheduled inspections.

Bidders shall maintain the qualification conditions until execution of the concession agreement, under penalty of disqualification from the bidding process.

8.1 Legal qualification and evidence of tax and labor compliance

To obtain the legal qualification and evidence tax and labor compliance, in addition to the documents already submitted for enrollment provided for in section 4.2, bidders shall submit the documents listed in this section, which shall be assessed pursuant to the criteria defined in this tender protocol:

- a) the corporate documents listed in section 4.2.1 and that have been amended since their latest submission to ANP;
- b) statement of non-disqualification to the execution of the concession agreement, pursuant to ANNEX XV, stating that there is no fact that would prevent the execution of the concession agreement;
- c) statement of material legal or court proceedings, pursuant to ANNEX XVI, attesting the existence or non-existence of material legal or court proceedings, including those that may entail insolvency, judicial reorganization, bankruptcy, or any other event that may affect the bidder's financial reputability (in case of material proceedings, these must be detailed).

FIPs shall submit only the documents required in item (c) above, which shall be submitted on behalf of the FIP Administrator. Documents listed in section 4.2.7, items (c) and (f), shall be resubmitted in case of amendment.

Tax and labor compliance shall be evidenced through analysis of the following documents, to be obtained by ANP through access to databases of the public bodies in charge of their issuance:²

- d) proof of enrollment in the CNPJ;
- e) Joint Clearance Certificate or Liability Certificate with Clearance Effects with Respect to Debts related to Federal Taxes and the Federal Overdue Tax System, issued by the Attorney General of the National Treasury – PGFN, covering all federal tax credits administered by RFB and PGFN;
- f) Certificate of Good Standing with the Government Severance Indemnity Fund for Employees (FGTS) (CRF);
- g) Labor Clearance Certificate or debt liability certificate with clearance effects, issued by the Labor Courts.

For FIPs, the documents referred to in items (d) to (g) above shall be related to the Administrator of the corresponding Fund.

Bidders regularly enrolled and in good standing with the Unified Supplier Registration System (SICAF) shall not be required to submit the documents referred to in items (d) to (f) above for purposes of evidence of tax compliance.

If the bidder is a debtor, this constitutes a restraint on qualification, unless it evidences that it has filed a suit to challenge the nature of the liability or its amount and has provided sufficient guarantee to the court, as provided by law; or the debt is suspended.

Foreign bidders are not required to submit the documents related to proof of tax and labor compliance.

² The bidders shall solve, prior to the expiration of the period for submission of the qualification documents, as defined and established by CEL for each cycle, any outstanding issues that may be related to them in order to issue the documents.

8.2 Technical qualification

The bidder shall be technically qualified as operator A, B, C, D or as a non-operator.

The technical information shall be provided pursuant to one of the following forms of technical summaries, alternatively:

- a) technical qualification by experience of the bidder or its corporate group: technical summary 01 (ANNEX XVII);
- b) technical qualification by experience of the bidder's technical staff: technical summary 02 (ANNEX XVIII);
- c) technical qualification as a non-operator: technical summary 03 (ANNEX XIX);
- d) technical qualification for bidders already operating in Brazil: technical summary 04 (ANNEX XX).

8.2.1 Technical qualification as operator A, B, or C

Technical qualification as an operator may be obtained based on the bidder's or its corporate group's experience (section 8.2.1.1) or, alternatively, on the experience of its technical staff in Brazil and/or abroad (section 8.2.1.2).

The qualification by the bidder's or its corporate group's experience shall be based on:

- a) experience in E&P activities (section 8.2.1.1.1);
- b) length of experience in E&P activities (section 8.2.1.1.2);
- c) production volume of the last five (5) years (section 8.2.1.1.3);
- d) amount of investments in exploration in the last five (5) years (section 8.2.1.1.4);
- e) aspects related to Health, Safety and Environment (HSE) (section 8.2.1.1.5).

Qualification by experience of the technical staff of the bidder shall be based on the professional experience of the technical staff of the bidder in E&P activities.

If the bidder qualifies by experience of its technical staff, the highest possible qualification shall be operator B.

In no event the sum of the bidder's experience with the experience of its technical staff shall be admitted.

For purposes of classification of the bidder at one of the qualification levels as an operator (A, B, C, or D), ANP shall cumulatively assign points for each activity performed.

If the bidder is developing, cumulatively, in the same environment, activities as an operator, non-operator, or service provider, only the highest points shall prevail.

8.2.1.1 Qualification by the bidder's or its corporate group's experience

The bidder's or its corporate group's experience in Brazil and/or abroad shall be informed pursuant to form of technical summary 01, in ANNEX XVII.

8.2.1.1.1 Points for experience in E&P activities

E&P activities developed by the bidder shall earn points as detailed below.

a) Experience in onshore E&P activities:

The following points shall be assigned to the bidders developing onshore E&P activities, following the best practices of the oil industry:

a.1) Exploration activities:

- **ten (10) points** for operators; or
- **five (5) points** for non-operators; or
- **five (5) points** for providers of technical services to oil companies.

a.2) Production activities:

- **ten (10) points** for operators; or

- **five (5) points** for non-operators; or
- **five (5) points** for providers of technical services to oil companies.

b) Experience in E&P activities in shallow water:

The following points shall be assigned to the bidders developing E&P activities in shallow water (water depth of up to 400 meters), following the best practices of the oil industry:

b.1) Exploration activities:

- **ten (10) points** for operators; or
- **five (5) points** for non-operators; or
- **five (5) points** for providers of technical services to oil companies.

b.2) Production activities:

- **ten (10) points** for operators; or
- **five (5) points** for non-operators; or
- **five (5) points** for providers of technical services to oil companies.

c) Experience in E&P activities in deep and ultra-deep water:

The following points shall be assigned to the bidders developing E&P activities in deep or ultra-deep water (water depth of more than 400 meters), following the best practices of the oil industry:

c.1) Exploration activities:

- **ten (10) points** for operators; or
- **five (5) points** for non-operators; or
- **five (5) points** for providers of technical services to oil companies.

c.2) Production activities:

- **ten (10) points** for operators; or
- **five (5) points** for non-operators; or
- **five (5) points** for providers of technical services to oil companies.

d) Experience in E&P activities in adverse environments:

The following points shall be assigned to the bidders developing E&P activities in adverse environments, following the best practices of the oil industry:

- **ten (10) points** for operators; or
- **five (5) points** for non-operators; or
- **five (5) points** for providers of technical services to oil companies.

For this criterion, E&P activities in adverse environments are the ones where there may be one or more of the following: strong currents, drilling in high pressure and high temperature conditions (well which pore pressure gradient is greater than 2.62 psi/m or the expected pressure in the Blow Out Preventer (BOP) is greater than 10,000 psi and the static temperature in the well bottom is greater than 150°C), production activities in remote areas (understood as those imposing access restrictions, hindering exploration and production of hydrocarbons), and production of heavy (10°API to 22°API) and/or extra-heavy (below 10°API) oils and major occurrence of contaminants, such as CO₂ (carbon dioxide) and H₂S (hydrogen sulfide), that may cause operational risks.

e) Experience in E&P activities in environmentally sensitive areas:

The following points shall be assigned to the bidders developing E&P activities in environmentally sensitive areas, following the best practices of the oil industry:

- **ten (10) points** for operators; or
- **five (5) points** for non-operators; or
- **five (5) points** for providers of technical services to oil companies.

For this criterion, E&P activities in areas of influence are those where there may be one or more of the following: rare, endemic, or threatened species; aggregation of species (migration routes, reproduction, growth, food); areas identified as priorities for biodiversity conservation; natural resources of socio-economic importance to local communities and/or artisanal fishermen; conservation units; indigenous and/or traditional communities; presence of archaeological sites, or speleological heritage.

Table 4 – Points for E&P activities developed

Operating environment	Operating qualification			
	Operator		Non-operator/Technical service provider	
	Exploration	Production	Exploration	Production
Onshore	10	10	5	5
Shallow Water	10	10	5	5
Deep or Ultra-deep Water	10	10	5	5
Adverse Environments	10		5	
Environmentally Sensitive Areas	10		5	

8.2.1.2 Points for length of experience in E&P activities

Bidders that inform experience as an operator in E&P activities shall receive, depending on the length of experience and operating environment (onshore, shallow water, or deep/ultra-deep water), the points established in Table 6.

Bidders which alternatively inform experience in providing technical services to oil companies or with experience as a non-operator shall be assigned half of the points assigned to those with experience as an operator, as established in Table 7.

Table 5 – Points for length of experience in E&P activities as an operator

Operating environment	Length of experience – T (in years)			
	$2 \leq T < 5$	$5 \leq T < 10$	$10 \leq T < 15$	$T \geq 15$
Onshore	5	10	15	20
Shallow Water	10	15	20	25
Deep/ultra-deep water	15	20	25	30

Table 6 – Points for length of experience in E&P activities as a non-operator or technical service provider

Operating environment	Length of experience – T (in years)			
	$2 \leq T < 5$	$5 \leq T < 10$	$10 \leq T < 15$	$T \geq 15$
Onshore	2.5	5	7.5	10
Shallow Water	5	7.5	10	12.5
Deep/ultra-deep water	7.5	10	12.5	15

8.2.1.2.1 Points for the volume of oil equivalent produced

1 (one) point for every 1 (one) thousand barrels/day of oil equivalent produced, up to a **maximum of fifteen (15) points**, shall be assigned. The volumes informed should refer to the participation of the bidder as an operator. The arithmetic mean of the annual production volumes for the last five (5) years shall be taken into account.

8.2.1.2.2 Points for the amount of the investments made in exploration activities

Bidders that inform investments in exploration activities as an operator shall be assigned points according to the amount of the investments and the operating environment, as shown in Table 7.

The amount of the investments in the last five (5) years regarding the participation of the bidder as an operator shall be taken into account. If the investment amount is referenced in US dollars (USD), it shall be converted at the average exchange rate (BACEN/PTAX selling) of the year in which it was made. All investments made shall be converted to the present value at the

accrued General Market Price Index (IGP-M) up to the month prior to the public session for submission of bids of the Open Acreage Concession Modality.

Table 7 – Points based on the amount of the investments made in exploration activities

Operating environment	Amount of investments – I (millions Reais)		
	$15 \leq I < 30$	$30 \leq I < 60$	$I \geq 60$
Onshore	2	3	4
Shallow Water	3	4	5
Deep/ultra-deep water	4	5	6

8.2.1.2.3 Points based on HSE aspects

Two (2) points shall be assigned to the bidder that submits a copy of its HSE policy or similar corporate procedure evidencing its commitment to buy goods and services from third parties adopting good HSE practices.

Two (2) points shall be assigned to the bidder that submits a certificate Integrated HSE Management System. The bidder shall submit a copy of the certificates issued by an independent entity, having no relationship with it, attesting implementation of an Integrated HSE Management System in E&P operations.

8.2.1.3 Qualification for the experience of the bidder's technical staff

Bidders not provided with enough experience in E&P activities to qualify pursuant to section 8.2.1.1 may use the experience of its technical staff for qualification.

In order to do so, the bidder shall inform the experience of its technical staff in E&P activities in Brazil and/or abroad, according to form of technical summary 02, in ANNEX XVIII. The summary shall include the signature of each professional appointed.

The bidder shall have a technical staff with at least one professional with experience in exploration activities and one with experience in production activities. The technical staff members

shall have education compatible with the E&P activities, such as engineering, geosciences, or related areas.

A technical staff member is every professional with a bond with a legal entity for performance of a position or duty, such as: employee, service provider, consultant, among others.

The technical staff's experience shall be evaluated and be assigned points according to the location of performance of E&P activities, also considering the experience in operating in adverse environments and environmentally sensitive areas, as specified in Table 8.

Table 8 – Points based on the experience of the technical staff

Activity area	Length of experience – T (in years)		
	$2 \leq T < 5$	$5 \leq T < 10$	$T \geq 10$
Exploration – Onshore	3	5	7
Production – Onshore	3	5	7
Exploration – Shallow water	3	5	7
Production – Shallow water	3	5	7
Exploration – Deep/ultra-deepwater	3	5	7
Production – Deep/ultra-deepwater	3	5	7
Operation in adverse environments	3	5	7
Operation in environmentally sensitive areas	3	5	7

8.2.1.4 Levels of technical qualification as operator A, B, or C

For purposes of classification of the bidder at one of the levels of qualification, ANP shall use the following criteria for technical qualification:

- 2 to 29 points: operator C;
- 30 to 80 points: operator B;
- 81 points or more: operator A.

For the bidder to be technically qualified as operator A, it shall mandatorily have experience in exploration and/or production activities in shallow water, deepwater, or ultra-deepwater as an operator, regardless of the points obtained.

8.2.2 Technical qualification as operator D

Technical qualification as operator D may be obtained based on the experience of the bidder's technical staff.

The bidder shall inform the experience of the members of its technical staff in E&P activities in Brazil and/or abroad, according to form of technical summary 02, in ANNEX XVIII. At least one professional with a minimum of two (2) years of experience in exploration and/or production activities shall be indicated in the technical summary.

The technical staff members shall have education compatible with the E&P activities, such as engineering, geosciences, or related areas.

The summary shall include the signature of each professional named.

A technical staff member is every professional with a bond with a legal entity to perform a position or duty, such as: employee, service provider, consultant, among others.

8.2.3 Technical qualification as a non-operator

In order to be technically qualified as a non-operator, bidders shall submit a description of their main activity, as well as their relationship with its head office or parent company, when applicable, according to technical summary 03 of ANNEX XIX.

8.2.4 Technical qualification for bidders already operating in Brazil

Bidders with effective concession or production sharing agreements in Brazil for exploration and production of oil and gas shall submit a list with the numbers of such agreements and their respective fields of operation, according to technical summary 04 in ANNEX XX, in order to obtain qualification for the same level in which they already operate.

The bidder may also use the effective agreements signed by members of its corporate group.

The bidder shall meet the requirements of section 8.2.1 and 8.2.2, as applicable, in order to obtain technical qualification at a level higher than the one in which it already operates.

8.3 Economic and financial qualification as an operator (A, B, C, or D) or as a non-operator

For purposes of economic and financial qualification, bidders shall submit the following documents for the last three (3) fiscal years:

- a) Financial Statements:
 - a.1) Balance Sheet;
 - a.2) Accrued Profit and Loss Statements, which may be included in the Statement of Changes in Shareholders' Equity;
 - a.3) Income Statement;
 - a.4) Statement of Cash Flow;
 - a.5) Notes; and
 - a.6) Statement of Value Added, for publicly-held companies.
- b) Independent auditor's report;
- c) Form in ANNEX XXI – Summary of Financial Statements, only for foreign bidders.

As a replacement to the documents listed above, FIPs shall submit the complete Accounting Statements for the last three (3) fiscal years, together with the independent auditors' report, as required by the applicable laws and regulations.

The Financial Statements shall be submitted as provided by Law No. 6,404/1976, and their replacement with interim trial balance sheets is prohibited, without prejudice to the requirement for submission of the independent auditor's report.

If the bidder is the parent company of a corporate group, it shall submit its Consolidated Financial Statements, pursuant to the provisions issued by the Brazilian Accounting Pronouncements Committee – CPC regarding correlation with the International Financial Reporting Standards (IFRS).

ANP may require submission of Quarterly Information (ITR), pursuant to art. 16, item VIII, of CVM Instruction No. 202/1993, to support the qualification review.

Bidders organized for less than three (3) years shall submit the Financial Statements and the independent auditor's report for the fiscal years already ended.

Bidders organized in the same fiscal year of this bidding process shall submit Interim Financial Statements, and their replacement with interim trial balance sheets is prohibited, together with the independent auditor's report. In this case, for purposes of evidencing the net equity, the bidder shall submit a copy of its most recent bylaws filed with the commercial registry of its jurisdiction.

Bidders wishing to evidence an increase in their net equity in the same fiscal year of this bidding process shall submit Interim Financial Statements, and their replacement with interim trial balance sheets is prohibited, together with the independent auditor's report, as established in item (b). In case the increase is a result of change in the share capital, the bidder shall also submit a copy of its most recent bylaws filed with the commercial registry of its jurisdiction.

In addition to the documents required in items (a) and (b), foreign bidders shall also submit the document required in item (c) (ANNEX XXI) filled out and signed by the managers and accountants legally qualified in the country of origin, pursuant to the formalities provided for in section 3. In the event of inexistence of the documents required in this section, the foreign bidder shall comply with the provisions in section 3.1.1.

8.3.1 Classification criterion for economic and financial qualification

The bidder shall demonstrate, through the documents mentioned in section 8.3, that it has a net equity equal to or greater than the minimum net equity required for classification at the qualification levels, as established in Table 9.

To be qualified as a non-operator, the bidder shall have a net equity equal to or greater than twenty-five percent (25%) of the minimum net equity required for an operator in the area with

marginal accumulation or in the operating environment where the block is located, pursuant to **Erro! Fonte de referência não encontrada.**

Table 9 – Minimum net equity for economic and financial qualification

Qualification level	Operating environments	Minimum Net Equity (in BRL)	
		Operator	Non-Operator
A	Ultra-deepwater, deepwater, shallow water, onshore, and areas with marginal accumulations	176,000,000.00	44,000,000.00
B	Shallow water, onshore, and areas with marginal accumulations	76,000,000.00	19,000,000.00
C	Onshore and areas with marginal accumulations	6,000,000.00	1,500,000.00
D	Areas with marginal accumulations	900,000.00	225,000.00

8.4 Summary of the documents and qualification criteria

Table 10 consolidates the criteria for classification at the qualification levels provided for in this tender protocol.

Table 10 – Consolidation of the criteria for classification at the qualification levels

Qualification	Legal qualification	Technical qualification ¹	Economic and financial qualification (PLM)	Environment
Operator A	evidence of tax and labor compliance	81 points or more ²	176,000,000.00 BRL	qualified to operate blocks located in ultra-deepwater, deepwater, shallow water, onshore and in areas with marginal accumulations

Qualification	Legal qualification	Technical qualification¹	Economic and financial qualification (PLM)	Environment
Operator B	evidence of tax and labor compliance	30 to 80 points	76,000,000.00 BRL	qualified to operate blocks located in shallow water, onshore, and areas with marginal accumulations
Operator C	evidence of tax and labor compliance	2 to 29 points	6,000,000.00 BRL	qualified to operate blocks located onshore (non-remote) and in areas with marginal accumulations
Operator D	evidence of tax and labor compliance	E&P professional with at least 2 years of experience	900,000.00 BRL	qualified to operate only in areas with marginal accumulations
Non-operator	evidence of tax and labor compliance	summary of the main activity	25% of the PLM required from the operator for each environment	allowed to submit bids only in a consortium with other bidders qualified as Operators

Notes:

¹ In the cases provided for in sections 8.2.2 and 8.2.4, the score criteria do not apply for purposes of technical qualification.

² To be qualified as operator A, the bidder shall mandatorily have experience in exploration and/or production in shallow, deepwater, or ultra-deepwater as an operator, regardless of the score obtained.

Table 11A consolidates the qualification documents and the filing formalities provided for in this tender protocol for national and foreign bidders.

Table 11B consolidates the qualification documents and the filing formalities provided for in this tender protocol for FIPs.

Table 11A – List of documents for qualification – National and Foreign Bidders

Type	Section in the tender protocol	Document	Requirement	Model	SEI (document format)	Documents issued abroad and/or in a foreign language			
						Notarization ¹	Legalization (for documents issued abroad)	Sworn translation (for documents in a foreign language)	Filing with the Registry Office of Deeds and Documents (for documents issued abroad)
8.1 Legal qualification and evidence of tax and labor compliance	4.2.1 a)	Corporate documents/Acts of incorporation	When amended	No	Scanned	√	√	√	√
	4.2.1 b)	Corporate documents/ Evidence of the powers and names of the legal representatives	When amended	No	Scanned	√	√	√	√
	4.2.1 c)	Corporate documents/ Documents evidencing satisfaction of any conditions to exercise the representatives' powers	When amended	No	Scanned	√	√	√	√
	8.1 b)	Declaration of absence of restraints on execution of the concession agreement	√	ANNEX XV	Scanned ²	√	√	√	√
	8.1 c)	Declaration on relevant legal or judicial claims	√	ANNEX XVI	Scanned ²	√	√	√	√
	8.1 d.1)	Proof of enrollment in the CNPJ ⁴	Only for national bidders	No	Born-digital ³	Not applicable	Not applicable	Not applicable	Not applicable

Type	Section in the tender protocol	Document	Requirement	Model	SEI (document format)	Documents issued abroad and/or in a foreign language			
						Notarization ¹	Legalization (for documents issued abroad)	Sworn translation (for documents in a foreign language)	Filing with the Registry Office of Deeds and Documents (for documents issued abroad)
	8.1 d.2)	Joint Clearance Certificate or Liability Certificate with Clearance Effects with Respect to Debits related to Federal Taxes and the Federal Overdue Tax System, issued by the Attorney General of the National Treasury – PGFN ⁴	Only for national bidders	No	Born-digital ³	Not applicable	Not applicable	Not applicable	Not applicable
	8.1 d.3)	Certificate of Good Standing with FGTS (CRF) ⁴	Only for national bidders	No	Born-digital ³	Not applicable	Not applicable	Not applicable	Not applicable
	8.1 d.4)	Labor Debt Clearance Certificate ⁴	Only for national bidders	No	Born-digital ³	Not applicable	Not applicable	Not applicable	Not applicable
8.2 Technical Qualification	8.2	Technical summary	√	ANNEXES XVII to XX	Born-digital ³	√	√	Not applicable. Use forms in ANNEX ¹	√
	8.2.1.1.5	Copy of the HSE policy	If applicable	No	Scanned ²	√	√	√	√
	8.2.1.1.5	Certificates of Integrated HSE Management System	If applicable	No	Scanned ²	√	√	√	√
8.3 Financial Qualification	8.3 a)	Financial Statements	√	No	Born-digital or Scanned ²	√	√	√	√
	8.3 b)	Independent auditor's report	√	No	Born-digital or Scanned ²	√	√	√	√
	8.3 c)	Summary of the Financial Statements	Only for foreign bidders	ANNEX XXI	Born-digital or Scanned ²	√	√	√	√

Notes:

1. In case of notarization in a foreign a language, a sworn translation and registration with the RTD are required.
2. The documents required shall be printed, dated, signed by the accredited or legal representative, as the case may be, and scanned for submission through the SEI.
3. A Born-digital document is a document created electronically.
4. Tax and labor compliance shall be evidenced through analysis of the documents, to be obtained by ANP through access to database of the public bodies in charge of their issuance.

Table 11B – List of documents for qualification – FIPs

Type	Section in the tender protocol	Document	Requirement	Model	SEI (document format)	Documents issued abroad and/or in a foreign language			
						Notarization ¹	Legalization (for documents issued abroad)	Sworn translation (for documents in a foreign language)	Filing with the Registry Office of Deeds and Documents (for documents issued abroad)
8.1 Legal qualification and evidence of tax and labor compliance	4.2.7 c)	Consolidated regulation (as amended, if any)	When amended	No	Scanned	√	√	√	√
	4.2.7 f)	Minutes of the General Meeting that appointed the administrator and the manager	When amended	No	Scanned	√	√	√	√
	8.1 c)	Declaration on relevant legal or judicial claims	√	ANNEX XVI	Scanned ²	√	√	Not applicable. Use form in ANNEX ¹	√
	8.1 d.1)	Proof of enrollment in the CNPJ ⁴	√	No	Born-digital ³	Not applicable	Not applicable	Not applicable	Not applicable

Type	Section in the tender protocol	Document	Requirement	Model	SEI (document format)	Documents issued abroad and/or in a foreign language			
						Notarization ¹	Legalization (for documents issued abroad)	Sworn translation (for documents in a foreign language)	Filing with the Registry Office of Deeds and Documents (for documents issued abroad)
	8.1 d.2)	Joint Clearance Certificate or Liability Certificate with Clearance Effects with Respect to Debits related to Federal Taxes and the Federal Debt Roster, issued by the Attorney General of the National Treasury – PGFN ⁴	√	No	Born-digital ³	Not applicable	Not applicable	Not applicable	Not applicable
	8.1 d.3)	Certificate of Good Standing with FGTS (CRF) ⁴	√	No	Born-digital ³	Not applicable	Not applicable	Not applicable	Not applicable
	8.1 d.4)	Labor Debt Clearance Certificate ⁴	√	No	Born-digital ³	Not applicable	Not applicable	Not applicable	Not applicable
8.2 Technical Qualification	8.2.3.	Technical summary	√	ANNEX XIX	Scanned ²	√	√	Not applicable. Use form in ANNEX ¹	√
8.3 Financial Qualification	8.3a) b)	Accounting Statements accompanied by an Independent Auditor's Report	√	No	Born-digital or Scanned ²	√	√	√	√

Notes:

1. In case of notarization in a foreign language, a sworn translation and registration with the RTD are required.
2. The documents required shall be printed, dated, signed by the accredited or legal representative, as the case may be, and scanned for submission through the SEI.
3. A Born-digital document is a document created electronically.
4. Tax and labor compliance shall be evidenced through analysis of the documents, to be obtained by ANP through access to database of the public bodies in charge of their issuance.

8.5 Qualification result

The result of qualification of the winners of the public session for submission of bids, as decided by CEL, shall be published in the DOU and on the website <http://rodadas.anp.gov.br>.

The qualification result shall be informed to the bidders, individually, through an electronic message.

8.6 Procedure in case of non-qualification of the winner of the public session for submission of bids of a cycle

8.6.1 Bidders that submitted a bid individually

If the winner of the public session for submission of bids is not qualified at the level required for the sector where the block or area object of the bid is located, such bidder shall be disqualified, and the following procedure to call the remaining bidders that submitted a bid for the same block or area is to be observed:

- a) the remaining bidders that have submitted a valid bid shall be convened by a single call to, within the term defined by CEL, express their interest in honoring the best bid of the public session of a cycle;
- b) bidders that express their interest shall submit, within the term established by CEL, the qualification documents provided for in section 8 and valid bid bonds, if necessary;
- c) qualification shall be in the classification order of the bids provided for in section 7.4 until one of the bidders meets the qualification requirements;
- d) If none of the bidders are interested in honoring the best bid of the public session of a cycle or if those expressing it are not qualified, the bidder submitting the next better classified bid shall be deemed the new winner of the public session for submission of bids of a cycle that has already begun for the respective block or area;
- e) the new winner shall be called to submit qualification documents and valid bid bonds, if necessary;
- f) if the bidder mentioned in item (e) is not qualified, the procedure shall be restarted from item (a) on, until one of the bidders meets the qualification requirements.

The bid bond of the bidder not qualified at the level required for the sector where the block or area object of the bid is located shall be executed and financially settled pursuant to section 6.5, without prejudice to any imposition of the penalties provided for in section 11 and in the applicable laws and regulations.

For blocks or areas where there are no remaining bidders, CEL shall end the bidding process.

8.6.2 Bidders that submitted bids in a consortium

If the non-qualified bidder is a member of a winning consortium, the remaining consortium members shall be called to express, within the term defined by CEL, their interest in undertaking the responsibilities of the non-qualified bidder, without prejudice to any imposition of the penalties provided for in section 11 and in the applicable laws and regulations.

For this, the consortium shall have at least one consortium member qualified at the minimum level required for the sector where the block or area object of the bid is located in order to act as an operator of the concession. If necessary, the remaining members of the consortium shall be called to submit new qualification documentation aiming at undertaking the operation of the consortium.

Call of the other consortium members shall precede the call provided for in section 8.6.1.

Under no circumstance admission of a new member in the winning consortium shall be allowed before execution of the concession agreement.

If no consortium members undertake the responsibilities of the non-qualified bidder, the bid bond shall be executed and financially settled pursuant to section 6.5, without prejudice to imposition of the penalties provided for in section 11 and in the applicable laws and regulations, and the provisions of section 8.6.1 shall apply.

9 AWARD OF THE OBJECT AND HOMOLOGATION OF THE BIDDING PROCESS

For each cycle of the Open Acreage Concession Modality, CEL shall prepare a detailed report of the bidding process, which shall include the result of the public session for submission of bids, the proposal for award of the object of the bid, according to the criteria used for the decision, as well as the list with invalidated bids and their respective reasons.

ANP's Collegiate Board shall analyze the report and decide on the award of the object of the bid, which result shall be published in the DOU, on the website <http://rodadas.anp.gov.br>, and in widely circulated newspapers, at ANP's discretion.

ANP's Collegiate Board shall homologate the bidding process and call the qualified winners of the bidding process to execute the concession agreements, pursuant to section 10.

10 EXECUTION OF THE CONCESSION AGREEMENT

The winners called pursuant to section 9 or the affiliates indicated thereby shall execute concession agreements with ANP for the exploration or rehabilitation and production of oil and gas.

For execution of the concession agreements, the bidders or affiliates indicated thereby shall submit documents and provide bonds, as well as evidence payment of the signature bonus, as provided for in this section, within the terms established by CEL for each cycle of the Open Acreage Concession Modality.

The numbers of the concession agreements to apply, within the scope of SEI, for the documents provided for in this section shall be sent by ANP through electronic message to the bidders' accredited representative.

A concession agreement shall be executed for each area or block won. ANP shall publish the summary of the concession agreements executed in the DOU.

10.1 Documents for execution of the concession agreements

Documents for execution of the concession agreements shall be submitted per concession agreement executed.

Table 13, at the end of this section, consolidates the list of documents required for execution of the concession agreements.

10.1.1 Signatory information

The winner shall submit the information set forth in ANNEX XXII.

10.1.2 Financial guarantee of the Minimum Exploration Program or Initial Work Program

The winner shall provide a financial guarantee to support compliance with the Minimum Exploration Program offered or the Initial Work Program, according to the forms in ANNEXES XXIII, XXIV, and XXV (Parts 1 and 2), in one of the following forms: i) letter of credit; (ii) performance bond; (iii) pledge of oil and natural gas; and (iv) escrow deposit.

If the winner is a consortium, the guarantees provided shall be accompanied by a letter signed by all consortium members, pursuant to ANNEX XXVI, expressing full awareness of the concession agreement and of the fact that the obligations of the Minimum Exploration Program and of the Initial Work Program are not fractional, and each consortium member shall be jointly responsible for reimbursement in case of default.

The financial guarantees provided as letters of credit and performance bond shall be accompanied by the following documents supporting the status of legal representatives of the issuer:

- a) Corporate documents related to the company that shall provide the bond, detailed in items (a), (b), and (c) of section 4.2.1;
- b) Power of attorney for the representatives that shall sign the guarantees, if applicable; and
- c) Identification documents (CPF and identity card) of the representatives referred to in item (b).

The electronic guarantees digitally signed through a digital certificate of the Public Key Infrastructure – ICP-Brasil are dismissed from the submission of the documents supporting the condition of legal representatives of the issuer, as long as it is possible to evidence such condition on the website of the institution issuing the guarantee.

The institutions that issue these bonds may not be defaulting with their obligation to indemnify ANP for bonds already submitted, nor be under a tax management, intervention, and liquidation regime. ANP will release on the website <http://rodadas.anp.gov.br> the list of financial institutions in default with their obligation to indemnify ANP and these institutions, therefore, shall not be admitted as guarantors.

As provided for in section 3 and table 13 of this tender protocol, without prejudice to the digital file submitted through the SEI, the originals of the financial guarantees of the minimum exploration program shall be sent to ANP's Main Office or submitted to ANP's filing service, to the attention of the Licensing Rounds Promotion Superintendence – SPL, pursuant to the deadlines defined by CEL for each cycle of the Open Acreage Concession Modality.

Table 12 – Provision of Financial Guarantees

Type	Model	Submission of the original version to ANP	Submission of a copy through the SEI
Letter of Credit	ANNEX XXIII	Yes	Yes
Performance Bond	ANNEX XXIV	Yes	Yes
Oil and Gas Pledge Agreement (BOE)	ANNEX XXV (Part 1)	Yes	Yes
Natural Gas Pledge Agreement	ANNEX XXV (Part 2)	Yes	Yes

The effectiveness of the financial guarantees of the types letter of credit and performance bond shall observe the schedule disclosed by CEL for each cycle of the Open Acreage Concession Modality, beginning on the first business day of the month expected for execution of the concession agreements and ending one hundred and eighty (180) days after the last day of the Exploration Phase or Rehabilitation Phase, as the case may be.

For each cycle of the Open Acreage Concession Modality, ANP shall disclose the effectiveness of the financial guarantees in these types in the website <http://rodadas.anp.gov.br>, and it shall inform individually to each winner called or any affiliate indicated thereby for the execution of the concession agreement(s) through an electronic message to the main accredited representative of the bidder.

In case of postponement of the date of execution of the concession agreements, new start and end dates for effectiveness of the financial guarantees shall be informed on website <http://rodadas.anp.gov.br>.

10.1.2.1 Minimum exploration program (PEM) – Exploration Blocks

The total amount of the bonds provided to support the performance of the Minimum Exploration Program (PEM) shall correspond to thirty percent (30%) of the amount of Units of Work (UWs) offered for the block object of the concession agreement multiplied by the amount of the UW in Reais per block, pursuant to Table 19 in ANNEX XIV.

The monetary amount established for the PEM provided by the winner shall be automatically subject to inflation adjustment on January 1 of each calendar year, at the variation of the IGP-DI for the immediately preceding year, except on January 1 immediately following publication of the tender protocol, when no update shall be made.

10.1.2.2 Initial Work Program (PTI) – Areas with Marginal Accumulations

The Initial Work Program (PTI) corresponds to the set of activities related to the assessment of the area with marginal accumulation to be implemented by the concessionaire. Part 2 of ANNEX I establishes the minimum Initial Work Program (PTI) per area with marginal accumulation that must be fully complied with in the Rehabilitation Phase.

PTI's activities shall be limited, exclusively, to the inner part of the area with marginal accumulation and include the reentry, the extended well test (TLD), the formation test (TF), and the seismic reinterpretation.

The reentry shall involve activities carried out in wells aiming at restoring its operating conditions for production or injection.

TLD's purpose shall be obtaining data and information on the reservoirs, with a total flow time greater than seventy-two (72) hours.

TF's purpose shall be obtaining data and information on the reservoirs, with a total flow time greater than seventy-two (72) hours.

Seismic reinterpretation shall consolidate the geological knowledge on the area, by identifying the stratigraphic zones, the reservoirs, and the structures most likely to accumulate oil or gas.

The total amount of the bonds provided shall be equal to thirty percent (30%) of the minimum work investment estimate for each area, pursuant to ANNEX I .

If the winner is a consortium, the guarantees provided shall be accompanied by a letter signed by all consortium members, pursuant to ANNEX XXVI, expressing full awareness of paragraph 11.4 of the Concession Agreement and of the fact that the obligations of the initial work program are not fractional, and each consortium member shall be jointly responsible for reimbursement, in case of default.

10.1.2.3 Types of Guarantee

10.1.2.3.1 Letter of Credit

Only letters of credit issued by banks or financial institutions duly registered with the Central Bank of Brazil and authorized to operate shall be accepted.

These institutions may not be under tax management, intervention, liquidation, and extraordinary inspection regime or serving a penalty imposed by the respective regulator.

The letters of credit shall be issued pursuant to the form in ANNEX XXIII and be accompanied by the documents supporting the status of legal representatives of the issuer detailed in items (a), (b), and (c) of section 10.1.2.

10.1.2.3.2 Performance Bond

Performance bond policies issued by an insurance company duly registered with the Private Insurance Superintendence – Susep, with reinsurance coverage, pursuant to the form in ANNEX XXIV, shall be accepted.

The performance bond policies shall also be accompanied by a declaration containing the number of the reinsurance agreement executed by a company authorized by Susep, or by a reinsurance declaration issued by the reinsurer, and by the documents supporting the status of legal representatives of the issuer detailed in items (a), (b), and (c) of section 10.1.2.

10.1.2.3.3 Escrow Deposit

The escrow deposit is governed by Decree-Law No. 1,737/1979 and Decree No. 93,872/1986.

For escrow deposit bonds, the bidder (pledger) shall open one or more escrow accounts with any branch of Caixa Econômica Federal – CEF, having the National Agency of Petroleum, Natural Gas, and Biofuels – ANP (CNPJ 02.313.673/0002-08) as payee.

The deposit receipt, as well as the original copy of the “Escrow Receipt” form, properly filled and signed, shall be submitted for this type of bond. In case the deposit is made by check, the bank statement of the escrow account shall also be submitted to evidence clearance of the check.

Each concession agreement shall have an escrow deposit, and an escrow account shall be used specifically to deposit the guarantee for each agreement to be signed.

The criteria, conditions, and correction/adjustment indexes of the amount deposited to the escrow account are defined by CEF and established in the form “Escrow Receipt”, available in ANNEX XII.

10.1.2.3.4 Oil and gas pledge

Pledge agreements shall be accepted for oil and gas produced in the national territory, in fields where the first oil flowed at least two (2) years ago and production has been maintained since then and with proven reserves that support the production curve undertaken.

The pledge agreements shall be subject to the prior approval of ANP and should be submitted as follows:

- a) Oil and Gas (BOE) Pledge Agreement – ANNEX XXV – Part 1; or
- b) Natural Gas Pledge Agreement – ANNEX XXV – Part 2.

The natural gas pledge agreement shall be associated with gas likely to be monetized through a purchase agreement previously entered into by and between the contractor and third parties.

Only fields with positive average net operating revenue adjusted to the calculation basis, per barrel, for the four quarters preceding the quarter of the date of execution of the agreement shall be accepted for purposes of calculation of the total pledged amount.

The net operating revenue adjusted to the calculation basis shall be ascertained pursuant to the provisions and definitions set forth for filling of the Statement of Calculation of the Special Share (DAPE), pursuant to arts. 25 and 26 of Decree No. 2,705/1998, ANP Ordinance No. 58/2001, and ANP Resolution No. 12/2014.

The pledge cap accepted by ANP for the pledge agreements, also considering the agreements in effect, shall be fifty percent (50%) of the Brazilian concessionaire's total annual production of oil and gas, as measured by the average of the last twelve (12) months of the amounts included in the Oil and Gas Production Report. To be accepted as a guarantee of the Minimum Exploration Program offered or of the Initial Work Program defined in a tender protocol, the oil and gas pledge agreement must be executed by the parties and registered with the Real Estate Registry Office of the jurisdictions where the fields where the oil and gas pledged are located.

ANP shall adopt a periodic review of the total amount of the pledge offered as a guarantee, as provided for in the oil and gas pledge agreement and in the applicable laws and regulations.

10.1.3 Signature bonus

The winner shall submit copies of the Federal Government Payment Form (GRU) and the proof of payment of the signature bonus, together with a document detailing the identification of the block or area to which the payment is related.

In case of consortium, the payment may be subdivided between the consortium members or be made by any member on behalf of the consortium, and a single GRU should be issued for each company.

In cases such as those provided for in section 10.2, the signature bonus payment shall be made by the Brazilian company designated to sign the concession agreement.

Overdue payment, according to the terms established by ANP, shall entail a ten-percent (10%) addition over the amount offered for the signature bonus, in addition to interest in arrears of one percent (1%) per month up to the date of effective payment. The bidder shall request calculation of the amount due by the email rodadas@anp.gov.br informing the date on which the bidder intends to pay it. In this case, the winner shall send, in up to three (3) business days before the date established for execution of the production sharing agreements, copies of the proof of payment of the signature bonus with addition and interest in arrears.

The signature bonus payment instructions shall be available at the website <http://rodadas.anp.gov.br>.

10.1.4 Consortium agreement

The winners that submitted bids in a consortium shall submit the consortium agreement filed with the applicable Commercial Registry, executed by the consortium members.

The consortium agreement shall include indication of the leader bidder, responsible for the consortium and for conducting the operations, without prejudice to joint liability, as provided for in art. 38 of Law No. 9,478/1997.

The consortium member, as operator, shall hold a minimum interest of thirty percent (30%) in the consortium, and the other consortium members shall hold a minimum interest of five percent (5%), as established in section 7.3.1.

10.1.5 Performance guarantee

The performance guarantee is a document through which a parent company (direct or indirect) or a head office fully secures the contractual obligations undertaken by the signatory member of its corporate group, pursuant to the form in ANNEX XXVII.

The performance guarantee shall be required from the signatories of concession agreements, exclusively from those acting as an operator when the winner or its affiliate indicated for execution of the agreement has been technically qualified by experience of its corporate group.

As provided for in section 3 of this tender protocol, without prejudice to submission of the digital file through the SEI, the original copy of the performance guarantee shall be sent to ANP's Main Office, or submitted to ANP's filing service, to the attention of the Licensing Rounds Promotion Superintendence – SPL, pursuant to the deadlines defined by CEL for each cycle of the Open Acreage Concession Modality.

The performance guarantee shall be followed by: (i) the corporate documents of the legal entity that shall provide the guarantee, listed in section 4.2.1, observing that the document provided for in item (d) of such section shall be signed by a legal representative of such legal entity with powers to do so; and (ii) the ownership structure, detailing the relationship between the company that shall provide the performance guarantee and the signatory of the agreement, as provided for in section 4.2.3.

10.1.6 Commitment to decommission and abandon wells

The winner of an area with marginal accumulation shall submit a commitment through which it undertakes to implement all activities necessary to abandon wells where it may intervene to restore its operating conditions for production or injection, among those indicated in ANNEX XXVIII, as well as to decommission the facilities and recover the environment of the affected areas.

10.1.7 Corporate documents

The winner shall submit the corporate documents mentioned in items (a), (b), and (c) of section 4.2.1 that have been amended since the latest submission to ANP.

The corporate purpose of the winner, established in the acts of incorporation, shall be suitable for the object of the bid.

10.1.8 Proofs of tax and labor compliance

The winner shall keep its tax and labor compliance, for execution of the concession agreement.

Therefore, certificates provided for in section 8.1, items (d) to (g), which effectiveness expired, shall be obtained by ANP for new analysis, through access to database of public bodies in charge of their issuance.³

Registration of the bidder as a debtor constitutes a restraint on execution of the concession agreement, unless it evidences that:

- a) it has filed a demand in order to discuss the nature of the obligation or its amount and has provided sufficient guarantee to the court, as provided by law; or
- b) the credit liabilities subject to registration are suspended.

³ As licitantes devem sanar, previamente à expiração do prazo para apresentação dos documentos para assinatura do contrato de concessão, estes estabelecidos e estabelecidos pela CEL para cada ciclo, eventuais pendências que lhes sejam atribuíveis para a emissão dos documentos.

Table 13 – List of documents for executing the agreements

Type	Section in the tender protocol	Document	Requirement	Model	SEI (document format)	Documents issued abroad and/or in a foreign language			
						Notarization ¹	Legalization (for documents issued abroad)	Sworn Translation to Portuguese (for documents in a foreign language)	Filing with the Registry Office of Deeds and Documents (for documents issued abroad)
10.1 Documents for executing the concession agreements	10.1.1	Signatory information	√	ANNEX XXII	Scanned ²	√	√	Not applicable. See the form in the annex. ¹	√
	10.1.2	Financial guarantee of the minimum exploration program/initial work program	√	ANNEXES XXIII to XXV and XII	Born-digital or scanned ²	√	√	Not applicable. See the form in the annex. ¹	√
	10.1.2	Concessionaire's statement on the financial guarantee of the minimum exploration program/initial work program	If applicable	ANNEX XXVI	Scanned ²	√	√	Not applicable. See the form in the annex. ¹	√
	10.1.3	Proof of payment of the signature bonus	√	No	Born-digital or scanned ²	Not applicable	Not applicable	Not applicable	Not applicable

Type	Section in the tender protocol	Document	Requirement	Model	SEI (document format)	Documents issued abroad and/or in a foreign language			
						Notarization ¹	Legalization (for documents issued abroad)	Sworn Translation to Portuguese (for documents in a foreign language)	Filing with the Registry Office of Deeds and Documents (for documents issued abroad)
	10.1.4	Consortium agreement	If applicable	No	Scanned ²	√	√	√	√
	10.1.5	Performance guarantee	If applicable	ANNEX XXVII	Scanned ²	√	√	Not applicable. See the form in the annex. ¹	√
	10.1.6	Commitment to decommission and abandon	If applicable	ANNEX XXVIII	Scanned ²	√	√	Not applicable. See the form in the annex. ¹	√
	4.2.1 a)	Corporate documents/ Acts of incorporation	When amended	No	Scanned	√	√	√	√
	4.2.1 b)	Corporate documents/ Evidence of the powers and names of the legal representatives	When amended	No	Scanned	√	√	√	√

Type	Section in the tender protocol	Document	Requirement	Model	SEI (document format)	Documents issued abroad and/or in a foreign language			
						Notarization ¹	Legalization (for documents issued abroad)	Sworn Translation to Portuguese (for documents in a foreign language)	Filing with the Registry Office of Deeds and Documents (for documents issued abroad)
	4.2.1 c)	Corporate documents/ Documents evidencing satisfaction of any conditions to exercise the representatives' powers	When amended	No	Scanned	√	√	√	√
	8.1 d)	Proofs of tax and labor compliance ⁴	If expired	No	Born digital ³	Not applicable	Not applicable	Not applicable	Not applicable
10.2 Execution of the concession agreement by an affiliate	10.2.1	Documents related to financial, technical, and legal qualification and evidence of tax and labor compliance of the affiliate	If applicable	Please follow the instructions of Table 11A A – List of qualification documents (National and Foreign Bidders)	Please follow the instructions of Table 11A A – List of qualification documents (National and Foreign Bidders)	Please follow the instructions of Table 11A A – List of qualification documents (National and Foreign Bidders)	Please follow the instructions of Table 11A A – List of qualification documents (National and Foreign Bidders)	Please follow the instructions of Table 11A A – List of qualification documents (National and Foreign Bidders)	Please follow the instructions of Table 11A A – List of qualification documents (National and Foreign Bidders)

Note:

1. In case notarization is in a foreign a language, a sworn translation and registration with the RTD are required.

2. The documents required shall be printed, dated, signed by the accredited or legal representative, as the case may be, and scanned for submission through the SEI.

3. Born-digital document is the document created electronically.

4. Tax and labor compliance shall be evidenced through analysis of the following documents, to be obtained by ANP through access to database of the public bodies in charge of their issuance.

10.2 Execution of the concession agreement by an affiliate

The winner may delegate execution of the concession agreement to an affiliate with its principal place of business and management in Brazil.

For purposes of execution of the concession agreement, affiliate means a legal entity developing a business activity and forming part of the same formal group of companies as the winner or bound thereto due to a relationship of direct or indirect common control.

The foreign winner or FIP with no affiliate based in Brazil shall mandatorily organize a Brazilian company with its principal place of business and management in the Country in order to act as a concessionaire.

In case of a consortium, the interest held by the appointed affiliate shall be identical to the interest held by the winning bidder that appointed it, as defined in the standard envelope for submission of bids.

The affiliate receiving the delegation shall submit documents for execution of the concession agreement, provided for in sections 10.1.2, 10.1.3 and, if applicable, 10.1.4, 10.1.5, and 10.1.6, and obtain economic, financial, legal, and technical qualification at the minimum level required in order to execute the concession agreement, in addition to evidence its tax and labor compliance.

10.2.1 Qualification of an affiliate indicated to execute the concession agreement

In order to obtain economic, financial, and legal qualification and to evidence tax and labor compliance, the affiliate indicated to execute the concession agreement shall submit the following documents within the term defined by ANP, as provided for in section 3.

- a) Signatory's corporate documents, pursuant to section 4.2.1;
- b) power of attorney to appoint accredited representatives, pursuant to section 4.2.2;
- c) Ownership structure clarifying the relationship between the winner and the signatory, pursuant to section 4.2.3;
- d) Declaration of absence of restraints on execution of the concession agreement, pursuant to section 8.1(b) (b);

- e) Declaration on relevant legal or judicial claims, pursuant to section 8.1(c), (c);
- f) Financial statements and independent auditor's report, according to section 8.3.

The affiliate's tax and labor compliance shall be evidenced through analysis of documents listed in section 8.1, items (d) to (g), which shall be obtained by ANP through access to database of the public bodies in charge of their issuance.

The affiliate indicated to execute the concession agreement may choose to technically qualify itself, pursuant to section 8.2, or take advantage of the experience of its corporate group by using the technical qualification of the winner.

If the affiliate indicated is not qualified at least at the level required to execute the agreement or fails to evidence tax and labor compliance, the procedure provided for in section 10.3 shall be adopted.

10.3 Procedure in case of non-execution of the concession agreement

10.3.1 Non-execution by a bidder who won individually

If the bidder that won the bidding process individually does not execute the concession agreement by the date determined by CEL for each cycle of the Open Acreage Concession Modality, the remaining bidders that submitted a bid for such block or area shall be convened by a single call to express their interest in honoring the winning bid.

To express its interest, the remaining bidder shall, within the term defined by CEL, formally represent, under section 3, that it will honor the amounts of the winning bid. Within the same period, a valid bid bond shall be provided in case the bond withheld under section 6.3 is overdue.

As of ANP's call for execution of the concession agreement, the remaining bidder that expresses its interest in taking over the winning bid shall have the term defined by CEL to submit the qualification documents provided for in section 8, if applicable, and the execution documents provided for in section 10.

If the remaining bidders have not passed the qualification stage, the procedure set out in section 8 shall be adopted.

The preferred criterion for execution of the concession agreement shall be the classification order provided for in section 7.4.

If the winner or the bidder expressing interest in honoring the bid submitted by the winner do not execute the concession agreement, their bid bond shall be executed and financially settled pursuant to section 6.5, without prejudice to imposition of the penalties provided for in section 11 and in the applicable laws and regulations.

In this case, if the signature bonus has already been paid, the corresponding amount shall be returned by ANP, after deducting the amounts payable for the penalties provided for in section 11 and in the applicable laws and regulations.

For blocks or areas where there are no remaining bidders interested in honoring the winning bid, CEL shall end the bidding process.

10.3.2 Non-execution by a bidder member of a consortium

If a bidder member of a winning consortium does not execute the concession agreement by the date determined by CEL, the other consortium members shall be called to, within the term defined by CEL, express interest in taking over the responsibilities of the disqualified or withdrawing bidder, without prejudice to imposition of the penalties provided for in section 11 and in the applicable laws and regulations.

For this, the offering consortium shall have at least one consortium member qualified at the minimum level required for the sector where the block or area object of the bid is located in order to act as an operator of the concession. If necessary, the remaining members of the consortium shall be called to submit new qualification documentation aiming at undertaking the operation of the consortium.

Call of the other consortium members shall precede the call provided for in section 10.3.1.

Under no circumstance admission of a new member in the winning consortium shall be allowed before execution of the concession agreement.

If no bidder member of the consortium undertakes the responsibilities of the disqualified or withdrawing bidder, the bid bond shall be executed and financially settled pursuant to section 6.5e, and the procedure provided for in section 10.3.1 shall be adopted, without prejudice to imposition of the penalties provided for in section 11 and in the applicable laws and regulations.

In this case, if the signature bonus has already been paid, the corresponding amount shall be returned by ANP, after deducting the amounts payable for the penalties provided for in section 11 and in the applicable laws and regulations.

10.3.3 Non-execution by a consortium

If the winning consortium does not execute the concession agreement by the date defined by ANP for a reason caused thereby, the procedure provided for in section 10.3.1 shall be adopted and the bid bond shall be executed and financially settled pursuant to section 6.5, without prejudice to imposition of the penalties provided for in section 11 and in the applicable laws and regulations.

In this case, if the signature bonus has already been paid, the corresponding amount shall be returned by ANP, after deducting the amounts payable for the penalties provided for in section 11 and in the applicable laws and regulations.

11 PENALTIES

Without prejudice to disqualification of the bidder in the events set forth in section 1.4 and to execution of the bid bond, in case of failure to perform the obligations set forth in this tender protocol or in the applicable legal provisions, the bidder shall, upon administrative proceeding in which adversary proceeding and legal defense shall be ensured, be subject to the following penalties:

- a) penalty;
- b) temporary suspension of the right to participate in future bidding processes and to enter into agreements with ANP for no more than five (5) years, which may be extended to the defaulting party's corporate group;
- c) declaration of disreputability to bid or enter into agreements with the Public Administration while the reasons for the punishment endure or until its requalification before ANP, which shall be granted in case the defaulting party reimburses the losses resulting from the violation, and after expiration of the sanction imposed based on the previous item.

The penalties of temporary suspension of the right to participate in future bidding processes and the declaration of disreputability shall be aggravated according to the severity of the violation, the advantage earned by the offender, and its background.

The penalties set forth in this section do not apply to bidders disqualified based on the case provided for in section 1.4, item "a" only, which results in the execution of the bid bond.

11.1 Penalty

a) Imposition of a penalty of ten percent (10%) of the amount of the signature bonus offered and the monetary amount corresponding to the minimum exploration program offered, for exploration blocks, or the sum of the signature bonus offered and the monetary amount corresponding to the initial work program defined in ANNEX I in case of areas with marginal accumulations, monetarily adjusted, to:

a.1) the winner of the public session for submission of bids (pursuant to section 7.4) not qualified or not satisfying the qualification conditions until execution of the concession agreement;

a.2) the remaining bidder that expresses interest in honoring the best bid and is not qualified or does not satisfy the qualification conditions until execution of the concession agreement.

b) Imposition of a penalty of twenty percent (20%) of the amount of the signature bonus offered and the monetary amount corresponding to the minimum exploration program offered, for exploration blocks, or the sum of the signature bonus offered and the monetary amount corresponding to the initial work program defined in ANNEX I in case of areas with marginal accumulations, monetarily adjusted, to:

b.1) the winner of the public session for submission of bids of a cycle of the Open Acreage Concession Modality (pursuant to section 9) that does not execute the concession agreement by the date defined by CEL;

b.2) the remaining bidder that expresses interest in honoring the best bid of the public session for submission of bids of a cycle of the Open Acreage Concession Modality and does not execute the concession agreement by the date defined by CEL;

The amount of the signature bonus offered shall be monetarily adjusted by the IGP-DI fluctuation, from the end of the term for payment of the signature bonus for each cycle of the Open Acreage Concession Modality up to the date of the violation.

The monetary amount corresponding to the minimum exploration program offered and the initial work program defined in ANNEX I shall be adjusted by the IGP-DI fluctuation, from January 1 following immediately the date of publication of this tender protocol up to the date of the violation.

As of the date of the violation, default charges shall be levied on the ascertained penalty amount by applying the SELIC rate fluctuation from the former date up to the end of the term established for the corresponding payment.

In case of a consortium, the amount of the penalty shall be proportional to the bidders' interest in the consortium. When the other consortium members undertake the disqualified or withdrawing bidder's responsibilities, pursuant to sections 8.6.2 and 10.3.2, the penalty shall apply only to the latter in the proportion of its interest.

The remaining bidder deemed the new winner of the public session for submission of bids, pursuant to item (d) of section 8.6.1, shall not be subject to imposition of the penalties provided for in this section, without prejudice to execution of the bid bond provided for in section 6.5.

11.2 Temporary suspension

The temporary suspension of the right to participate in future bidding processes and contracts with ANP shall apply without prejudice to other penalties, if the offender:

- a) performs acts entailing delay of execution of the object of this bidding process;
- b) performs harmful acts to the prejudice of the objectives of this bidding process;
- c) submits formally or materially fake documentation;
- d) performs acts, during this bidding process, harmful to the domestic or foreign Public Administration, as provided for in Law No. 12,846/2013;
- e) behaves in a disreputable manner during the bidding process.

Temporary suspension of the right to participate in future bidding processes promoted by ANP and to enter into agreements with ANP shall apply, without prejudice to the other penalties, if the offender continues to be called and fail to execute the agreement within the term established by CEL, and also fails to submit a technical justification, acceptable by ANP, supported by a fact subsequent to the public session for submission of bids.

11.3 Declaration of disreputability

The penalty for declaration of disreputability shall apply cumulatively with the temporary suspension of the right to participate in future bidding processes and enter into agreements with ANP, without prejudice to imposition of the penalty, if the offender behaves as provided for in items (b), (c), (d), and (e) of section 11.2.

12 ADDITIONAL CLARIFICATION ON THE BIDDING PROCESS

12.1 Jurisdiction

The competent Courts to settle any disputes related to this bidding process are the Federal Courts, Judiciary Section of Rio de Janeiro, to the exclusion of any other court, however privileged it may be.

12.2 Information and inquiries

Information on the bidding process shall be published by ANP in the Federal Official Gazette and made available at the website <http://rodadas.anp.gov.br>.

For clarification of any provisions of this tender protocol, its annexes, and the procedures of the Open Acreage Concession Modality, the interested company should contact the Licensing Rounds Promotion Superintendence – SPL, in writing and in Portuguese, through the following channels:

Mail	Open Acreage Concession Modality National Agency of Petroleum, Natural Gas, and Biofuels – ANP Licensing Rounds Promotion Superintendence Avenida Rio Branco, 65 – 18 th floor – Centro Rio de Janeiro – RJ, Brazil, Zip Code: 20090-004
Email:	rodadas@anp.gov.br
Facsimile	(21) 2112-8539 (from Brazil) +55-21-2112-8539 (from abroad)

The requests for clarification will be replied by email and may be disclosed on the website <http://rodadas.anp.gov.br>.

Clarifications or relevant communications, when published on the website <http://rodadas.anp.gov.br>, shall become an integral part of this tender protocol, and no bidder may claim to lack knowledge thereof.

In the absence of requests for clarification, it shall be assumed that the information and elements included in this tender protocol, its annexes, and the technical data package are sufficient to enable preparation of bids, as well as the documents for qualification and execution of the concession agreement, reason why no subsequent questions or oppositions shall be accepted.

Restatements to this tender protocol that imply change of the conditions required for preparation of bids, qualification, or execution of the concession agreement shall entail a new publication of this tender protocol and, if necessary, a change in the schedule.

12.3 Opposition to the tender protocol

Any individual or legal entity may oppose this tender protocol within five (5) business days of the date of its publication.

The opposition shall be sent to ANP's Collegiate Board, which shall manifest. Opposition shall be decided before the public session for submission of bids of each cycle of the Open Acreage Concession Modality and shall not cause suspension. In case the opposition is accepted, the tender protocol shall be published again.

The bidder that does not oppose the terms of this tender protocol within the term herein provided for shall lose the right to do so, which shall imply the bidder's full awareness and acceptance of its terms, thus prohibiting subsequent claims of lack of knowledge or disagreement with its clauses and conditions, as well as the applicable regulatory standards.

13 ADMINISTRATIVE APPEALS

CEL's decisions may be administratively appealed, and such appeal shall only be received with remanding effect within five (5) business days of the date of publication of the opposed act in the DOU.

Appeal by the interested party to CEL shall be asserted in writing, accompanied by documents evidencing the reasons alleged, and filed with ANP.

CEL or ANP's Collegiate Board may stay the effect of the appeal, upon a well-grounded decision.

CEL shall publish a notice on filing of appeal in the DOU. The interested parties may submit counter-arguments within the same five (5)-business-day period of the publication.

If the decision is not reversed, the appeal shall be sent to ANP's Collegiate Board for hearing and ruling.

The interested party may, at any time, withdraw an appeal filed.

14 ANP'S RIGHTS AND PREROGATIVES

14.1 Revocation, suspension, and annulment of the bidding process

ANP may, at any time, revoke this bidding process, in whole or in part, whenever there are reasons of public concern arising from a subsequent fact, duly justified.

ANP may suspend the bidding process by court order by virtue of granting of temporary restraining orders and preliminary injunctions filed by interested parties or third parties, as well as due to reasons of public concern, duly justified.

In case of confirmed irremediable illegality, ANP shall cancel the bidding process, voluntarily or by request of third parties, upon written and well-grounded opinion informing the bidders.

Acts of the bidding process with remediable defects and not entailing injury to the public interest or losses to third parties may be revalidated.

14.2 Review of deadlines and procedures

ANP reserves the right to unilaterally review the schedules and procedures related to the Open Acreage Concession Modality, upon proper disclosure.

14.3 Omitted cases

The cases omitted with respect to the Open Acreage Concession Modality shall be analyzed and decided by CEL, without prejudice to any administrative appeal that shall be filed pursuant to section 13.

ANNEX I – DETAILS OF THE EXPLORATION BLOCKS AND AREAS WITH MARGINAL ACCUMULATIONS UNDER THE OPEN ACREAGE CONCESSION MODALITY

This annex presents the main information on the objects offered:

Part 1 – Exploration Blocks:

- (i) Information about the 740 exploration blocks under the Open Acreage Concession Modality summarized in **Table 14**, in the columns below:
 - (A) Amount
 - (B) Basin
 - (C) Sector
 - (D) Block
 - (E) Environment
 - (F) Exploration Model
 - (G) Area (in Km²)
 - (H) Exploration Phase (in years)
 - (I) Fee for occupation and retention of the area (in BRL/Km²/Year)
 - (J) Minimum Capacity (Qualification)
 - (K) Royalty Fee (%)
 - (L) Amount of the Bid Bond (BRL)
 - (M) Minimum Signature Bonus (BRL)
 - (N) PEM (in UWs)
- (ii) Coordinates for each exploration block.

Part 2 – Areas With Marginal Accumulations:

- (i) Information on the 3 areas with marginal accumulations offered under the Open Acreage Concession Modality summarized in **Table 15**, in the columns below:

- (A) Basin
- (B) Sector
- (C) Area with marginal accumulations
- (D) Exploration Model
- (E) Area (in Km²)
- (F) Rehabilitation Phase (in years)
- (G) Fee for occupation and retention of the area (in BRL/Km²/Year)
- (H) Minimum Capacity (Qualification)
- (I) Royalty Fee (%)
- (J) Amount of the Bid Bond (BRL)
- (K) Initial Work Program (PTI) (BRL)
- (L) Financial Guarantee of the PTI (BRL)
- (M) Minimum Signature Bonus (BRL)

(ii) Coordinates for each area with marginal accumulations.

PART 1 – EXPLORATION BLOCKS

TABLE 14 – Information on the Exploration Blocks Offered under the Open Acreage Concession Modality – Technical and Economical Parameters

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
1	Camamu-Almada	Deep Water	SCAL-AP1	CAL-M-62	309,336	New Frontier	A	40,000.00	2,495,000.00	47	7.5%	380.11	7
2	Camamu-Almada	Deep Water	SCAL-AP1	CAL-M-64	620,619	New Frontier	A	80,000.00	4,725,000.00	95	7.5%	380.11	7
3	Camamu-Almada	Deep Water	SCAL-AP1	CAL-M-122	374,115	New Frontier	A	40,000.00	2,941,000.00	57	7.5%	380.11	7
4	Camamu-Almada	Deep Water	SCAL-AP1	CAL-M-124	748,222	New Frontier	A	80,000.00	5,970,000.00	115	7.5%	380.11	7
5	Camamu-Almada	Deep Water	SCAL-AP1	CAL-M-190	748,511	New Frontier	A	80,000.00	7,798,000.00	115	7.5%	380.11	7
6	Camamu-Almada	Deep Water	SCAL-AP2	CAL-M-250	621,532	New Frontier	A	80,000.00	6,103,000.00	95	7.5%	380.11	7
7	Camamu-Almada	Deep Water	SCAL-AP2	CAL-M-314	745,848	New Frontier	A	80,000.00	7,269,000.00	114	7.5%	380.11	7
8	Camamu-Almada	Deep Water	SCAL-AP2	CAL-M-374	747,467	New Frontier	A	80,000.00	6,309,000.00	114	7.5%	380.11	7
9	Camamu-Almada	Deep Water	SCAL-AUP	CAL-M-126	748,222	New Frontier	A	40,000.00	2,388,000.00	115	7.5%	223.59	7
10	Camamu-Almada	Deep Water	SCAL-AUP	CAL-M-252	746,652	New Frontier	A	40,000.00	3,338,000.00	114	7.5%	223.59	7
11	Camamu-Almada	Deep Water	SCAL-AUP	CAL-M-316	745,846	New Frontier	A	40,000.00	2,759,000.00	114	7.5%	223.59	7
12	Camamu-Almada	Deep Water	SCAL-AUP	CAL-M-376	745,026	New Frontier	A	40,000.00	2,364,000.00	114	7.5%	223.59	7
13	Campos	Deep Water	SC-AUP3	C-M-545	707,668	High Potential	A	300,000.00	18,434,000.00	108	10.0%	417.38	7

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
14	Campos	Deep Water	SC-AUP4	C-M-757	702,343	High Potential	A	150,000.00	12,055,000.00	108	10.0%	298.13	7
15	Campos	Deep Water	SC-AUP4	C-M-847	698,211	High Potential	A	150,000.00	13,233,000.00	107	10.0%	298.13	7
16	Campos	Shallow Water	SC-AR2	C-M-58	210,941	High Potential	B	600,000.00	32,811,000.00	95	10.0%	1.788.75	7
17	Campos	Shallow Water	SC-AR2	C-M-99	258,214	High Potential	B	1,200,000.00	86,531,000.00	116	10.0%	1.788.75	7
18	Campos	Shallow Water	SC-AR2	C-M-147	219,500	High Potential	B	600,000.00	46,108,000.00	98	10.0%	1.788.75	7
19	Campos	Shallow Water	SC-AR2	C-M-173	205,968	High Potential	B	600,000.00	41,729,000.00	92	10.0%	1.788.75	7
20	Campos	Shallow Water	SC-AR2	C-M-201	141,682	High Potential	B	300,000.00	26,411,000.00	64	10.0%	1.788.75	7
21	Campos	Shallow Water	SC-AR2	C-M-232	112,179	High Potential	B	300,000.00	22,073,000.00	50	10.0%	1.788.75	7
22	Campos	Shallow Water	SC-AR3	C-M-299	110,905	High Potential	B	300,000.00	25,612,000.00	50	10.0%	1.788.75	7
23	Campos	Shallow Water	SC-AR3	C-M-332	153,389	High Potential	B	600,000.00	35,933,000.00	69	10.0%	1.788.75	7
24	Campos	Shallow Water	SC-AR3	C-M-333	231,234	High Potential	B	600,000.00	53,231,000.00	104	10.0%	1.788.75	7
25	Campos	Shallow Water	SC-AR3	C-M-334	72,537	High Potential	B	300,000.00	17,001,000.00	33	10.0%	1.788.75	7
26	Campos	Shallow Water	SC-AR3	C-M-364	203,049	High Potential	B	300,000.00	24,637,000.00	91	10.0%	1.788.75	7
27	Campos	Shallow Water	SC-AR3	C-M-365	256,567	High Potential	B	600,000.00	45,538,000.00	115	10.0%	1.788.75	7
28	Campos	Shallow Water	SC-AR3	C-M-366	123,808	High Potential	B	300,000.00	31,022,000.00	56	10.0%	1.788.75	7
29	Campos	Shallow Water	SC-AR3	C-M-398	177,642	High Potential	B	300,000.00	31,436,000.00	80	10.0%	1.788.75	7
30	Campos	Shallow Water	SC-AR4	C-M-431	370,415	High Potential	B	300,000.00	25,718,000.00	166	10.0%	1.140.33	7
31	Campos	Shallow Water	SC-AR4	C-M-432	242,093	High Potential	B	300,000.00	29,086,000.00	109	10.0%	1.140.33	7

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
32	Campos	Shallow Water	SC-AR4	C-M-464	229,029	High Potential	B	150,000.00	15,984,000.00	103	10.0%	1.140.33	7
33	Campos	Shallow Water	SC-AR4	C-M-465	177,322	High Potential	B	300,000.00	22,251,000.00	80	10.0%	1.140.33	7
34	Campos	Shallow Water	SC-AR4	C-M-466	79,708	High Potential	B	150,000.00	9,765,000.00	36	10.0%	1.140.33	7
35	Campos	Shallow Water	SC-AR4	C-M-496	175,161	High Potential	B	150,000.00	12,259,000.00	79	10.0%	1.140.33	7
36	Campos	Shallow Water	SC-AR4	C-M-497	177,161	High Potential	B	150,000.00	14,777,000.00	79	10.0%	1.140.33	7
37	Campos	Shallow Water	SC-AR4	C-M-498	117,654	High Potential	B	150,000.00	10,224,000.00	53	10.0%	1.140.33	7
38	Campos	Shallow Water	SC-AR4	C-M-528	158,555	High Potential	B	150,000.00	11,304,000.00	71	10.0%	1.140.33	7
39	Campos	Shallow Water	SC-AR4	C-M-529	171,294	High Potential	B	150,000.00	13,916,000.00	77	10.0%	1.140.33	7
40	Campos	Shallow Water	SC-AR4	C-M-530	77,501	High Potential	B	80,000.00	6,766,000.00	35	10.0%	1.140.33	7
41	Campos	Shallow Water	SC-AR4	C-M-560	176,607	High Potential	B	300,000.00	26,226,000.00	79	10.0%	1.140.33	7
42	Campos	Shallow Water	SC-AR4	C-M-591	176,671	High Potential	B	300,000.00	26,226,000.00	79	10.0%	1.140.33	7
43	Campos	Shallow Water	SC-AR4	C-M-592	134,755	High Potential	B	300,000.00	20,574,000.00	60	10.0%	1.140.33	7
44	Campos	Shallow Water	SC-AR4	C-M-620	132,468	High Potential	B	300,000.00	19,606,000.00	59	10.0%	1.140.33	7
45	Ceará	Deep Water	SCE-AP2	CE-M-527	416,449	New Frontier	A	40,000.00	3,348,000.00	64	7.5%	380.11	7
46	Ceará	Deep Water	SCE-AP2	CE-M-529	467,585	New Frontier	A	40,000.00	3,108,000.00	72	7.5%	380.11	7
47	Ceará	Deep Water	SCE-AP2	CE-M-531	606,559	New Frontier	A	80,000.00	4,169,000.00	93	7.5%	380.11	7
48	Ceará	Deep Water	SCE-AP2	CE-M-533	766,633	New Frontier	A	80,000.00	5,302,000.00	117	7.5%	380.11	7
49	Ceará	Deep Water	SCE-AP2	CE-M-535	768,802	New Frontier	A	80,000.00	5,590,000.00	118	7.5%	380.11	7

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
50	Ceará	Deep Water	SCE-AP2	CE-M-599	844,381	New Frontier	A	80,000.00	6,467,000.00	129	7.5%	380.11	7
51	Ceará	Deep Water	SCE-AP3	CE-M-605	769,753	New Frontier	A	150,000.00	14,297,000.00	118	7.5%	1.520.44	7
52	Ceará	Deep Water	SCE-AP3	CE-M-663	768,775	New Frontier	A	150,000.00	15,708,000.00	118	7.5%	1.520.44	7
53	Ceará	Deep Water	SCE-AP3	CE-M-667	768,531	New Frontier	A	150,000.00	10,169,000.00	118	7.5%	1.520.44	7
54	Ceará	Deep Water	SCE-AP3	CE-M-716	675,252	New Frontier	A	150,000.00	15,184,000.00	103	7.5%	1.520.44	7
55	Ceará	Deep Water	SCE-AP3	CE-M-719	768,552	New Frontier	A	150,000.00	9,040,000.00	118	7.5%	1.520.44	7
56	Espirito Santo	Onshore	SES-T2	ES-T-86	30,543	Mature	C	10,000.00	50,000.00	200	7.5%	47.70	5
57	Espirito Santo	Onshore	SES-T2	ES-T-87	30,543	Mature	C	10,000.00	50,000.00	200	7.5%	47.70	5
58	Espirito Santo	Onshore	SES-T2	ES-T-106	30,536	Mature	C	10,000.00	50,000.00	200	7.5%	47.70	5
59	Espirito Santo	Onshore	SES-T2	ES-T-201	30,493	Mature	C	10,000.00	50,000.00	199	7.5%	47.70	5
60	Espirito Santo	Onshore	SES-T2	ES-T-214	30,486	Mature	C	10,000.00	50,000.00	199	7.5%	47.70	5
61	Espirito Santo	Onshore	SES-T2	ES-T-226	27,939	Mature	C	10,000.00	50,000.00	183	7.5%	47.70	5
62	Espirito Santo	Onshore	SES-T4	ES-T-290	30,443	Mature	C	10,000.00	50,000.00	199	7.5%	47.70	5
63	Espirito Santo	Onshore	SES-T4	ES-T-291	24,091	Mature	C	10,000.00	50,000.00	157	7.5%	47.70	5
64	Espirito Santo	Onshore	SES-T4	ES-T-304	30,436	Mature	C	10,000.00	50,000.00	199	7.5%	47.70	5
65	Espirito Santo	Onshore	SES-T4	ES-T-305	20,291	Mature	C	10,000.00	50,000.00	133	7.5%	47.70	5
66	Espirito Santo	Onshore	SES-T4	ES-T-318	30,429	Mature	C	10,000.00	50,000.00	199	7.5%	47.70	5
67	Espirito Santo	Onshore	SES-T4	ES-T-331	30,421	Mature	C	10,000.00	50,000.00	199	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
68	Espirito Santo	Onshore	SES-T4	ES-T-344	28,406	Mature	C	10,000.00	50,000.00	186	7.5%	47.70	5
69	Espirito Santo	Onshore	SES-T4	ES-T-352	30,407	Mature	C	10,000.00	50,000.00	199	7.5%	47.70	5
70	Espirito Santo	Onshore	SES-T4	ES-T-353	30,407	Mature	C	10,000.00	50,000.00	199	7.5%	47.70	5
71	Espirito Santo	Onshore	SES-T4	ES-T-362	30,399	Mature	C	10,000.00	50,000.00	199	7.5%	47.70	5
72	Espirito Santo	Onshore	SES-T4	ES-T-363	39,174	Mature	C	10,000.00	50,000.00	256	7.5%	47.70	5
73	Espirito Santo	Onshore	SES-T4	ES-T-371	30,392	Mature	C	10,000.00	50,000.00	199	7.5%	47.70	5
74	Espirito Santo	Onshore	SES-T4	ES-T-380	37,797	Mature	C	10,000.00	50,000.00	247	7.5%	47.70	5
75	Espirito Santo	Onshore	SES-T4	ES-T-389	37,786	Mature	C	10,000.00	50,000.00	247	7.5%	47.70	5
76	Espirito Santo	Onshore	SES-T4	ES-T-398	30,370	Mature	C	10,000.00	50,000.00	199	7.5%	47.70	5
77	Espirito Santo	Onshore	SES-T4	ES-T-399	16,162	Mature	C	10,000.00	50,000.00	106	7.5%	47.70	5
78	Espirito Santo	Onshore	SES-T4	ES-T-407	30,363	Mature	C	10,000.00	50,000.00	198	7.5%	47.70	5
79	Espirito Santo	Onshore	SES-T4	ES-T-408	19,998	Mature	C	10,000.00	50,000.00	131	7.5%	47.70	5
80	Espirito Santo	Onshore	SES-T4	ES-T-409	15,454	Mature	C	10,000.00	50,000.00	101	7.5%	47.70	5
81	Espirito Santo	Onshore	SES-T6	ES-T-429	21,877	Mature	C	10,000.00	50,000.00	143	7.5%	47.70	5
82	Espirito Santo	Onshore	SES-T6	ES-T-454	24,573	Mature	C	10,000.00	50,000.00	161	7.5%	47.70	5
83	Espirito Santo	Onshore	SES-T6	ES-T-466	22,077	Mature	C	10,000.00	50,000.00	144	7.5%	47.70	5
84	Espirito Santo	Onshore	SES-T6	ES-T-467	28,042	Mature	C	10,000.00	50,000.00	183	7.5%	47.70	5
85	Espirito Santo	Onshore	SES-T6	ES-T-486A	10,450	Mature	C	10,000.00	50,000.00	68	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
86	Espirito Santo	Onshore	SES-T6	ES-T-495A	19,536	Mature	C	10,000.00	50,000.00	128	7.5%	47.70	5
87	Espirito Santo	Onshore	SES-T6	ES-T-504	30,295	Mature	C	10,000.00	50,000.00	198	7.5%	47.70	5
88	Espirito Santo	Onshore	SES-T6	ES-T-514	30,288	Mature	C	10,000.00	50,000.00	198	7.5%	47.70	5
89	Espirito Santo	Onshore	SES-T6	ES-T-517	27,549	Mature	C	10,000.00	50,000.00	180	7.5%	47.70	5
90	Espirito Santo	Onshore	SES-T6	ES-T-525	30,280	Mature	C	10,000.00	50,000.00	198	7.5%	47.70	5
91	Espirito Santo	Onshore	SES-T6	ES-T-527	29,930	Mature	C	10,000.00	50,000.00	196	7.5%	47.70	5
92	Espirito Santo	Onshore	SES-T6	ES-T-528	20,637	Mature	C	10,000.00	50,000.00	135	7.5%	47.70	5
93	Espirito Santo	Deep Water	SES-AP1	ES-M-590	722,355	New Frontier	A	80,000.00	7,091,000.00	111	7.5%	1.140.33	7
94	Espirito Santo	Deep Water	SES-AP2	ES-M-595	705,556	New Frontier	A	80,000.00	7,636,000.00	108	7.5%	760.22	7
95	Espirito Santo	Deep Water	SES-AP2	ES-M-665	721,205	New Frontier	A	80,000.00	6,594,000.00	110	7.5%	760.22	7
96	Espirito Santo	Deep Water	SES-AP2	ES-M-739	720,040	New Frontier	A	80,000.00	7,614,000.00	110	7.5%	760.22	7
97	Espirito Santo	Deep Water	SES-AP2	ES-M-741	717,535	New Frontier	A	80,000.00	6,351,000.00	110	7.5%	760.22	7
98	Jacuípe	Deep Water	SJA-AP	JA-M-24	1,077,139	New Frontier	A	150,000.00	9,654,000.00	165	7.5%	313.03	7
99	Jacuípe	Deep Water	SJA-AP	JA-M-41	306,564	New Frontier	A	20,000.00	1,350,000.00	47	7.5%	313.03	7
100	Jacuípe	Deep Water	SJA-AUP	JA-M-26	501,685	New Frontier	A	20,000.00	1,930,000.00	77	5.0%	223.59	7
101	Jacuípe	Deep Water	SJA-AUP	JA-M-43	751,904	New Frontier	A	40,000.00	2,790,000.00	115	5.0%	223.59	7
102	Jacuípe	Deep Water	SJA-AUP	JA-M-45	751,904	New Frontier	A	40,000.00	2,910,000.00	115	5.0%	223.59	7
103	Paraná	Onshore	SPAR-CN	PAR-T-153	2,882,495	New Frontier	C	60,000.00	556,000.00	1,884	5.0%	74.53	6

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
104	Paraná	Onshore	SPAR-CN	PAR-T-154	2,882,495	New Frontier	C	60,000.00	556,000.00	1,884	5.0%	74.53	6
105	Paraná	Onshore	SPAR-CN	PAR-T-155	2,882,495	New Frontier	C	60,000.00	549,000.00	1,884	5.0%	74.53	6
106	Paraná	Onshore	SPAR-CN	PAR-T-174	2,873,080	New Frontier	C	60,000.00	550,000.00	1,878	5.0%	74.53	6
107	Paraná	Onshore	SPAR-CN	PAR-T-176	2,830,062	New Frontier	C	60,000.00	545,000.00	1,850	5.0%	74.53	6
108	Paraná	Onshore	SPAR-CN	PAR-T-194	2,863,449	New Frontier	C	60,000.00	506,000.00	1,872	5.0%	74.53	6
109	Paraná	Onshore	SPAR-CN	PAR-T-195	2,744,037	New Frontier	C	60,000.00	510,000.00	1,794	5.0%	74.53	6
110	Paraná	Onshore	SPAR-CN	PAR-T-196	2,863,449	New Frontier	C	60,000.00	506,000.00	1,872	5.0%	74.53	6
111	Paraná	Onshore	SPAR-CN	PAR-T-215	2,853,602	New Frontier	C	60,000.00	569,000.00	1,866	5.0%	74.53	6
112	Paraná	Onshore	SPAR-CN	PAR-T-216	2,825,384	New Frontier	C	60,000.00	507,000.00	1,847	5.0%	74.53	6
113	Paraná	Onshore	SPAR-N	PAR-T-83	2,370,751	New Frontier	C	30,000.00	442,000.00	1,550	5.0%	74.53	6
114	Paraná	Onshore	SPAR-N	PAR-T-84	2,492,196	New Frontier	C	30,000.00	452,000.00	1,629	5.0%	74.53	6
115	Paraná	Onshore	SPAR-N	PAR-T-85	2,857,120	New Frontier	C	30,000.00	469,000.00	1,868	5.0%	74.53	6
116	Paraná	Onshore	SPAR-N	PAR-T-86	2,917,984	New Frontier	C	30,000.00	442,000.00	1,908	5.0%	74.53	6
117	Paraná	Onshore	SPAR-N	PAR-T-99	2,909,438	New Frontier	C	60,000.00	593,000.00	1,902	5.0%	74.53	6
118	Paraná	Onshore	SPAR-N	PAR-T-100	2,909,438	New Frontier	C	60,000.00	515,000.00	1,902	5.0%	74.53	6
119	Paraná	Onshore	SPAR-N	PAR-T-101	2,909,438	New Frontier	C	30,000.00	478,000.00	1,902	5.0%	74.53	6
120	Paraná	Onshore	SPAR-N	PAR-T-102	2,909,438	New Frontier	C	30,000.00	442,000.00	1,902	5.0%	74.53	6
121	Paraná	Onshore	SPAR-N	PAR-T-115	2,840,213	New Frontier	C	60,000.00	576,000.00	1,857	5.0%	74.53	6

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
122	Paraná	Onshore	SPAR-N	PAR-T-116	2,900,675	New Frontier	C	60,000.00	548,000.00	1,896	5.0%	74.53	6
123	Paraná	Onshore	SPAR-N	PAR-T-117	2,840,259	New Frontier	C	30,000.00	476,000.00	1,857	5.0%	74.53	6
124	Paraná	Onshore	SPAR-N	PAR-T-118	2,900,675	New Frontier	C	30,000.00	444,000.00	1,896	5.0%	74.53	6
125	Paraná	Onshore	SPAR-N	PAR-T-119	2,900,675	New Frontier	C	30,000.00	438,000.00	1,896	5.0%	74.53	6
126	Parnaíba	Onshore	SPN-N	PN-T-46	2,045,801	New Frontier	C	60,000.00	523,000.00	1,337	7.5%	223.59	6
127	Parnaíba	Onshore	SPN-N	PN-T-49A	2,423,421	New Frontier	C	60,000.00	635,000.00	1,584	7.5%	223.59	6
128	Parnaíba	Onshore	SPN-N	PN-T-50	3,069,022	New Frontier	C	60,000.00	947,000.00	2,006	7.5%	223.59	6
129	Parnaíba	Onshore	SPN-N	PN-T-51	2,925,382	New Frontier	C	60,000.00	817,000.00	1,912	7.5%	223.59	6
130	Parnaíba	Onshore	SPN-N	PN-T-70	3,066,971	New Frontier	C	60,000.00	785,000.00	2,005	7.5%	223.59	6
131	Parnaíba	Onshore	SPN-N	PN-T-85A	1,946,383	New Frontier	C	60,000.00	675,000.00	1,272	7.5%	223.59	6
132	Parnaíba	Onshore	SPN-N	PN-T-88	3,064,693	New Frontier	C	60,000.00	947,000.00	2,004	7.5%	223.59	6
133	Parnaíba	Onshore	SPN-N	PN-T-98	2,100,548	New Frontier	C	60,000.00	616,000.00	1,373	7.5%	223.59	6
134	Parnaíba	Onshore	SPN-N	PN-T-100	1,084,758	New Frontier	C	30,000.00	281,000.00	709	7.5%	223.59	6
135	Parnaíba	Onshore	SPN-N	PN-T-104	3,062,187	New Frontier	C	120,000.00	1,112,000.00	2,002	7.5%	223.59	6
136	Parnaíba	Onshore	SPN-N	PN-T-113	2,738,087	New Frontier	C	60,000.00	878,000.00	1,790	7.5%	223.59	6
137	Parnaíba	Onshore	SPN-O	PN-T-147	3,053,307	New Frontier	C	30,000.00	476,000.00	1,996	7.5%	74.53	6
138	Parnaíba	Onshore	SPN-O	PN-T-148	3,053,307	New Frontier	C	60,000.00	537,000.00	1,996	7.5%	74.53	6
139	Parnaíba	Onshore	SPN-O	PN-T-164	3,049,893	New Frontier	C	30,000.00	489,000.00	1,994	7.5%	74.53	6

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
140	Parnaíba	Onshore	SPN-SE	PN-T-105	3,062,187	New Frontier	C	30,000.00	454,000.00	2,002	7.5%	74.53	6
141	Parnaíba	Onshore	SPN-SE	PN-T-120	3,059,454	New Frontier	C	60,000.00	627,000.00	2,000	7.5%	74.53	6
142	Parnaíba	Onshore	SPN-SE	PN-T-121	3,059,454	New Frontier	C	30,000.00	437,000.00	2,000	7.5%	74.53	6
143	Parnaíba	Onshore	SPN-SE	PN-T-135	3,056,494	New Frontier	C	60,000.00	574,000.00	1,998	7.5%	74.53	6
144	Parnaíba	Onshore	SPN-SE	PN-T-152	3,053,307	New Frontier	C	60,000.00	621,000.00	1,996	7.5%	74.53	6
145	Parnaíba	Onshore	SPN-SE	PN-T-153	3,053,307	New Frontier	C	30,000.00	393,000.00	1,996	7.5%	74.53	6
146	Parnaíba	Onshore	SPN-SE	PN-T-167	3,049,893	New Frontier	C	30,000.00	492,000.00	1,994	7.5%	74.53	6
147	Parnaíba	Onshore	SPN-SE	PN-T-169	3,049,893	New Frontier	C	30,000.00	432,000.00	1,994	7.5%	74.53	6
148	Parnaíba	Onshore	SPN-SE	PN-T-183	3,046,253	New Frontier	C	30,000.00	492,000.00	1,991	7.5%	74.53	6
149	Parnaíba	Onshore	SPN-SE	PN-T-184	2,203,963	New Frontier	C	30,000.00	287,000.00	1,441	7.5%	74.53	6
150	Pelotas	Deep Water	SP-AP4	P-M-1658	641,394	New Frontier	A	40,000.00	3,676,000.00	98	5.0%	223.59	7
151	Pelotas	Deep Water	SP-AP4	P-M-1660	641,394	New Frontier	A	40,000.00	3,676,000.00	98	5.0%	223.59	7
152	Pelotas	Deep Water	SP-AP4	P-M-1727	639,544	New Frontier	A	40,000.00	3,676,000.00	98	5.0%	223.59	7
153	Pelotas	Deep Water	SP-AP4	P-M-1729	639,544	New Frontier	A	40,000.00	3,676,000.00	98	5.0%	223.59	7
154	Pelotas	Deep Water	SP-AP4	P-M-1783	637,682	New Frontier	A	40,000.00	2,648,000.00	98	5.0%	223.59	7
155	Pelotas	Deep Water	SP-AP4	P-M-1785	637,682	New Frontier	A	40,000.00	3,429,000.00	98	5.0%	223.59	7
156	Pelotas	Deep Water	SP-AP4	P-M-1787	637,682	New Frontier	A	40,000.00	3,429,000.00	98	5.0%	223.59	7
157	Pelotas	Deep Water	SP-AP4	P-M-1830	635,807	New Frontier	A	40,000.00	3,429,000.00	97	5.0%	223.59	7

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
158	Pelotas	Deep Water	SP-AP4	P-M-1832	635,807	New Frontier	A	40,000.00	3,429,000.00	97	5.0%	223.59	7
159	Pelotas	Deep Water	SP-AUP4	P-M-1662	641,394	New Frontier	A	40,000.00	3,676,000.00	98	5.0%	223.59	7
160	Pelotas	Deep Water	SP-AUP4	P-M-1664	641,394	New Frontier	A	40,000.00	3,676,000.00	98	5.0%	223.59	7
161	Pelotas	Deep Water	SP-AUP4	P-M-1666	641,394	New Frontier	A	40,000.00	3,136,000.00	98	5.0%	223.59	7
162	Pelotas	Deep Water	SP-AUP4	P-M-1668	641,394	New Frontier	A	40,000.00	3,136,000.00	98	5.0%	223.59	7
163	Pelotas	Deep Water	SP-AUP4	P-M-1731	639,544	New Frontier	A	40,000.00	3,676,000.00	98	5.0%	223.59	7
164	Pelotas	Deep Water	SP-AUP4	P-M-1733	639,544	New Frontier	A	40,000.00	3,676,000.00	98	5.0%	223.59	7
165	Pelotas	Deep Water	SP-AUP4	P-M-1735	639,544	New Frontier	A	40,000.00	3,136,000.00	98	5.0%	223.59	7
166	Pelotas	Deep Water	SP-AUP4	P-M-1737	639,544	New Frontier	A	40,000.00	3,136,000.00	98	5.0%	223.59	7
167	Pelotas	Deep Water	SP-AUP4	P-M-1789	637,682	New Frontier	A	40,000.00	3,990,000.00	98	5.0%	223.59	7
168	Pelotas	Deep Water	SP-AUP4	P-M-1791	637,682	New Frontier	A	40,000.00	3,990,000.00	98	5.0%	223.59	7
169	Pelotas	Deep Water	SP-AUP4	P-M-1793	637,682	New Frontier	A	40,000.00	3,104,000.00	98	5.0%	223.59	7
170	Pelotas	Deep Water	SP-AUP4	P-M-1795	637,682	New Frontier	A	40,000.00	3,104,000.00	98	5.0%	223.59	7
171	Pelotas	Deep Water	SP-AUP4	P-M-1834	635,807	New Frontier	A	40,000.00	3,990,000.00	97	5.0%	223.59	7
172	Pelotas	Deep Water	SP-AUP4	P-M-1836	635,807	New Frontier	A	40,000.00	3,990,000.00	97	5.0%	223.59	7
173	Pelotas	Deep Water	SP-AUP4	P-M-1838	635,807	New Frontier	A	40,000.00	3,104,000.00	97	5.0%	223.59	7
174	Pelotas	Deep Water	SP-AUP4	P-M-1840	635,807	New Frontier	A	40,000.00	3,104,000.00	97	5.0%	223.59	7
175	Pelotas	Deep Water	SP-AUP4	P-M-1866	633,920	New Frontier	A	40,000.00	3,305,000.00	97	5.0%	223.59	7

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
176	Pelotas	Deep Water	SP-AUP4	P-M-1868	633,920	New Frontier	A	40,000.00	3,104,000.00	97	5.0%	223.59	7
177	Pelotas	Shallow Water	SP-AR4	P-M-1502	161,378	New Frontier	B	10,000.00	594,000.00	72	5.0%	149.06	7
178	Pelotas	Shallow Water	SP-AR4	P-M-1541	161,151	New Frontier	B	10,000.00	426,000.00	72	5.0%	149.06	7
179	Pelotas	Shallow Water	SP-AR4	P-M-1542	161,151	New Frontier	B	10,000.00	393,000.00	72	5.0%	149.06	7
180	Pelotas	Shallow Water	SP-AR4	P-M-1578	160,923	New Frontier	B	10,000.00	594,000.00	72	5.0%	149.06	7
181	Pelotas	Shallow Water	SP-AR4	P-M-1579	160,923	New Frontier	B	10,000.00	368,000.00	72	5.0%	149.06	7
182	Pelotas	Shallow Water	SP-AR4	P-M-1580	160,923	New Frontier	B	10,000.00	594,000.00	72	5.0%	149.06	7
183	Pelotas	Shallow Water	SP-AR4	P-M-1581	160,923	New Frontier	B	10,000.00	368,000.00	72	5.0%	149.06	7
184	Pelotas	Shallow Water	SP-AR4	P-M-1582	160,923	New Frontier	B	10,000.00	393,000.00	72	5.0%	149.06	7
185	Pelotas	Shallow Water	SP-AR4	P-M-1618	160,694	New Frontier	B	10,000.00	610,000.00	72	5.0%	149.06	7
186	Pelotas	Shallow Water	SP-AR4	P-M-1619	160,694	New Frontier	B	10,000.00	610,000.00	72	5.0%	149.06	7
187	Pelotas	Shallow Water	SP-AR4	P-M-1620	160,694	New Frontier	B	10,000.00	380,000.00	72	5.0%	149.06	7
188	Pelotas	Shallow Water	SP-AR4	P-M-1621	160,694	New Frontier	B	10,000.00	460,000.00	72	5.0%	149.06	7
189	Pelotas	Shallow Water	SP-AR4	P-M-1622	160,694	New Frontier	B	10,000.00	634,000.00	72	5.0%	149.06	7
190	Pelotas	Shallow Water	SP-AR4	P-M-1656	160,464	New Frontier	B	10,000.00	650,000.00	72	5.0%	149.06	7
191	Pelotas	Shallow Water	SP-AR4	P-M-1657	160,464	New Frontier	B	10,000.00	594,000.00	72	5.0%	149.06	7
192	Pelotas	Shallow Water	SP-AR4	P-M-1691	160,233	New Frontier	B	10,000.00	652,000.00	72	5.0%	149.06	7
193	Pelotas	Shallow Water	SP-AR4	P-M-1692	160,233	New Frontier	B	10,000.00	652,000.00	72	5.0%	149.06	7

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
194	Pelotas	Shallow Water	SP-AR4	P-M-1724	160,002	New Frontier	B	10,000.00	652,000.00	72	5.0%	149.06	7
195	Pelotas	Shallow Water	SP-AR4	P-M-1725	160,002	New Frontier	B	10,000.00	652,000.00	72	5.0%	149.06	7
196	Pelotas	Shallow Water	SP-AR4	P-M-1726	160,002	New Frontier	B	10,000.00	611,000.00	72	5.0%	149.06	7
197	Pelotas	Shallow Water	SP-AR4	P-M-1754	159,770	New Frontier	B	10,000.00	603,000.00	72	5.0%	149.06	7
198	Pelotas	Shallow Water	SP-AR4	P-M-1755	159,770	New Frontier	B	10,000.00	603,000.00	72	5.0%	149.06	7
199	Pelotas	Shallow Water	SP-AR4	P-M-1756	159,770	New Frontier	B	10,000.00	603,000.00	72	5.0%	149.06	7
200	Pelotas	Shallow Water	SP-AR4	P-M-1780	159,537	New Frontier	B	10,000.00	428,000.00	72	5.0%	149.06	7
201	Pelotas	Shallow Water	SP-AR4	P-M-1781	159,537	New Frontier	B	10,000.00	498,000.00	72	5.0%	149.06	7
202	Pelotas	Shallow Water	SP-AR4	P-M-1782	159,537	New Frontier	B	10,000.00	442,000.00	72	5.0%	149.06	7
203	Pelotas	Shallow Water	SP-AR4	P-M-1805	159,304	New Frontier	B	10,000.00	442,000.00	71	5.0%	149.06	7
204	Pelotas	Shallow Water	SP-AR4	P-M-1806	159,304	New Frontier	B	10,000.00	564,000.00	71	5.0%	149.06	7
205	Pelotas	Shallow Water	SP-AR4	P-M-1807	159,304	New Frontier	B	10,000.00	611,000.00	71	5.0%	149.06	7
206	Pernambuco-Paraíba	Deep Water	SPEPB-AP3	PEPB-M-731	763,212	New Frontier	A	20,000.00	1,596,000.00	117	5.0%	223.59	7
207	Pernambuco-Paraíba	Deep Water	SPEPB-AP3	PEPB-M-787	761,798	New Frontier	A	20,000.00	1,596,000.00	117	5.0%	223.59	7
208	Pernambuco-Paraíba	Deep Water	SPEPB-AP3	PEPB-M-843	761,329	New Frontier	A	40,000.00	2,195,000.00	117	5.0%	223.59	7
209	Pernambuco-Paraíba	Deep Water	SPEPB-AP3	PEPB-M-898	761,805	New Frontier	A	40,000.00	2,493,000.00	117	5.0%	223.59	7
210	Pernambuco-Paraíba	Deep Water	SPEPB-AP3	PEPB-M-900	760,845	New Frontier	A	40,000.00	2,469,000.00	117	5.0%	223.59	7
211	Potiguar	Deep Water	SPOT-AP1	POT-M-571	977,464	New Frontier	A	150,000.00	9,046,000.00	150	7.5%	380.11	7

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
212	Potiguar	Deep Water	SPOT-AP1	POT-M-667	768,067	New Frontier	A	80,000.00	7,086,000.00	118	7.5%	380.11	7
213	Potiguar	Deep Water	SPOT-AP1	POT-M-669	768,770	New Frontier	A	80,000.00	6,446,000.00	118	7.5%	380.11	7
214	Potiguar	Deep Water	SPOT-AP1	POT-M-766	768,396	New Frontier	A	80,000.00	6,446,000.00	118	7.5%	380.11	7
215	Potiguar	Shallow Water	SPOT-AR1	POT-M-662	315,659	New Frontier	B	20,000.00	1,734,000.00	142	7.5%	506.81	7
216	Potiguar	Shallow Water	SPOT-AR1	POT-M-759	189,592	New Frontier	B	20,000.00	1,055,000.00	85	7.5%	506.81	7
217	Potiguar	Onshore	SPOT-T1B	POT-T-140	29,959	Mature	C	10,000.00	50,000.00	196	7.5%	47.70	5
218	Potiguar	Onshore	SPOT-T1B	POT-T-141	10,402	Mature	C	10,000.00	50,000.00	68	7.5%	47.70	5
219	Potiguar	Onshore	SPOT-T1B	POT-T-149	31,954	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
220	Potiguar	Onshore	SPOT-T1B	POT-T-150	29,375	Mature	C	10,000.00	50,000.00	192	7.5%	47.70	5
221	Potiguar	Onshore	SPOT-T1B	POT-T-158	31,952	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
222	Potiguar	Onshore	SPOT-T1B	POT-T-159	31,910	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
223	Potiguar	Onshore	SPOT-T1B	POT-T-160	12,732	Mature	C	10,000.00	50,000.00	83	7.5%	47.70	5
224	Potiguar	Onshore	SPOT-T1B	POT-T-169	31,951	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
225	Potiguar	Onshore	SPOT-T1B	POT-T-170	27,880	Mature	C	10,000.00	50,000.00	182	7.5%	47.70	5
226	Potiguar	Onshore	SPOT-T1B	POT-T-180	31,949	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
227	Potiguar	Onshore	SPOT-T1B	POT-T-181	19,842	Mature	C	10,000.00	50,000.00	130	7.5%	47.70	5
228	Potiguar	Onshore	SPOT-T1B	POT-T-191	31,947	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
229	Potiguar	Onshore	SPOT-T1B	POT-T-192	17,080	Mature	C	10,000.00	50,000.00	112	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
230	Potiguar	Onshore	SPOT-T1B	POT-T-194	31,956	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
231	Potiguar	Onshore	SPOT-T1B	POT-T-195	23,751	Mature	C	10,000.00	50,000.00	155	7.5%	47.70	5
232	Potiguar	Onshore	SPOT-T1B	POT-T-204	31,945	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
233	Potiguar	Onshore	SPOT-T1B	POT-T-205	31,845	Mature	C	10,000.00	50,000.00	208	7.5%	47.70	5
234	Potiguar	Onshore	SPOT-T1B	POT-T-206	31,651	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
235	Potiguar	Onshore	SPOT-T1B	POT-T-207	31,945	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
236	Potiguar	Onshore	SPOT-T1B	POT-T-208	31,945	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
237	Potiguar	Onshore	SPOT-T1B	POT-T-426	31,841	Mature	C	10,000.00	50,000.00	208	7.5%	47.70	5
238	Potiguar	Onshore	SPOT-T1B	POT-T-427	16,262	Mature	C	10,000.00	50,000.00	106	7.5%	47.70	5
239	Potiguar	Onshore	SPOT-T1B	POT-T-428	22,419	Mature	C	10,000.00	50,000.00	147	7.5%	47.70	5
240	Potiguar	Onshore	SPOT-T1B	POT-T-469	32,062	Mature	C	10,000.00	50,000.00	210	7.5%	47.70	5
241	Potiguar	Onshore	SPOT-T1B	POT-T-470	25,396	Mature	C	10,000.00	50,000.00	166	7.5%	47.70	5
242	Potiguar	Onshore	SPOT-T2	POT-T-196	24,760	Mature	C	10,000.00	50,000.00	162	7.5%	47.70	5
243	Potiguar	Onshore	SPOT-T2	POT-T-197	31,899	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
244	Potiguar	Onshore	SPOT-T2	POT-T-198	16,639	Mature	C	10,000.00	50,000.00	109	7.5%	47.70	5
245	Potiguar	Onshore	SPOT-T2	POT-T-209	31,945	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
246	Potiguar	Onshore	SPOT-T2	POT-T-210	31,945	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
247	Potiguar	Onshore	SPOT-T2	POT-T-211	23,959	Mature	C	10,000.00	50,000.00	157	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
248	Potiguar	Onshore	SPOT-T2	POT-T-223	31,943	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
249	Potiguar	Onshore	SPOT-T2	POT-T-224	31,943	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
250	Potiguar	Onshore	SPOT-T2	POT-T-225	31,444	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5
251	Potiguar	Onshore	SPOT-T2	POT-T-239	31,941	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
252	Potiguar	Onshore	SPOT-T2	POT-T-240	31,941	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
253	Potiguar	Onshore	SPOT-T2	POT-T-255	31,939	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
254	Potiguar	Onshore	SPOT-T2	POT-T-256	31,939	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
255	Potiguar	Onshore	SPOT-T2	POT-T-257	31,939	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
256	Potiguar	Onshore	SPOT-T2	POT-T-276	31,937	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
257	Potiguar	Onshore	SPOT-T2	POT-T-277	31,937	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
258	Potiguar	Onshore	SPOT-T2	POT-T-298	31,935	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
259	Potiguar	Onshore	SPOT-T2	POT-T-325	12,689	Mature	C	10,000.00	50,000.00	83	7.5%	47.70	5
260	Potiguar	Onshore	SPOT-T2	POT-T-352	21,453	Mature	C	10,000.00	50,000.00	140	7.5%	47.70	5
261	Potiguar	Onshore	SPOT-T2	POT-T-391	18,968	Mature	C	10,000.00	50,000.00	124	7.5%	47.70	5
262	Potiguar	Onshore	SPOT-T2	POT-T-472	32,056	Mature	C	10,000.00	50,000.00	210	7.5%	47.70	5
263	Potiguar	Onshore	SPOT-T2	POT-T-473	44,934	Mature	C	10,000.00	50,000.00	294	7.5%	47.70	5
264	Potiguar	Onshore	SPOT-T2	POT-T-474	30,801	Mature	C	10,000.00	50,000.00	201	7.5%	47.70	5
265	Potiguar	Onshore	SPOT-T3	POT-T-281	17,066	Mature	C	10,000.00	50,000.00	112	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
266	Potiguar	Onshore	SPOT-T3	POT-T-303	26,585	Mature	C	10,000.00	50,000.00	174	7.5%	47.70	5
267	Potiguar	Onshore	SPOT-T3	POT-T-304	29,099	Mature	C	10,000.00	50,000.00	190	7.5%	47.70	5
268	Potiguar	Onshore	SPOT-T3	POT-T-326	31,933	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
269	Potiguar	Onshore	SPOT-T3	POT-T-327	25,087	Mature	C	10,000.00	50,000.00	164	7.5%	47.70	5
270	Potiguar	Onshore	SPOT-T3	POT-T-331	20,873	Mature	C	10,000.00	50,000.00	136	7.5%	47.70	5
271	Potiguar	Onshore	SPOT-T3	POT-T-353	31,931	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
272	Potiguar	Onshore	SPOT-T3	POT-T-354	31,931	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
273	Potiguar	Onshore	SPOT-T3	POT-T-355	31,815	Mature	C	10,000.00	50,000.00	208	7.5%	47.70	5
274	Potiguar	Onshore	SPOT-T3	POT-T-366	20,788	Mature	C	10,000.00	50,000.00	136	7.5%	47.70	5
275	Potiguar	Onshore	SPOT-T3	POT-T-367	30,351	Mature	C	10,000.00	50,000.00	198	7.5%	47.70	5
276	Potiguar	Onshore	SPOT-T3	POT-T-368	29,935	Mature	C	10,000.00	50,000.00	196	7.5%	47.70	5
277	Potiguar	Onshore	SPOT-T3	POT-T-393	31,929	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
278	Potiguar	Onshore	SPOT-T3	POT-T-394	31,929	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
279	Potiguar	Onshore	SPOT-T3	POT-T-395	31,928	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
280	Potiguar	Onshore	SPOT-T3	POT-T-396	31,844	Mature	C	10,000.00	50,000.00	208	7.5%	47.70	5
281	Potiguar	Onshore	SPOT-T3	POT-T-403	32,099	Mature	C	10,000.00	50,000.00	210	7.5%	47.70	5
282	Potiguar	Onshore	SPOT-T3	POT-T-404	31,929	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
283	Potiguar	Onshore	SPOT-T3	POT-T-406	31,929	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
284	Potiguar	Onshore	SPOT-T3	POT-T-407	31,929	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
285	Potiguar	Onshore	SPOT-T3	POT-T-408	31,929	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
286	Potiguar	Onshore	SPOT-T3	POT-T-435	37,639	Mature	C	10,000.00	50,000.00	246	7.5%	47.70	5
287	Potiguar	Onshore	SPOT-T3	POT-T-436	19,762	Mature	C	10,000.00	50,000.00	129	7.5%	47.70	5
288	Potiguar	Onshore	SPOT-T3	POT-T-437	39,516	Mature	C	10,000.00	50,000.00	258	7.5%	47.70	5
289	Potiguar	Onshore	SPOT-T3	POT-T-439	33,465	Mature	C	10,000.00	50,000.00	219	7.5%	47.70	5
290	Potiguar	Onshore	SPOT-T3	POT-T-440	12,270	Mature	C	10,000.00	50,000.00	80	7.5%	47.70	5
291	Potiguar	Onshore	SPOT-T3	POT-T-441	32,034	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
292	Potiguar	Onshore	SPOT-T3	POT-T-442	38,620	Mature	C	10,000.00	50,000.00	252	7.5%	47.70	5
293	Potiguar	Onshore	SPOT-T3	POT-T-445	32,134	Mature	C	10,000.00	50,000.00	210	7.5%	47.70	5
294	Potiguar	Onshore	SPOT-T3	POT-T-446	31,927	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
295	Potiguar	Onshore	SPOT-T3	POT-T-447	31,927	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
296	Potiguar	Onshore	SPOT-T3	POT-T-448	31,927	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
297	Potiguar	Onshore	SPOT-T3	POT-T-449	31,927	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
298	Potiguar	Onshore	SPOT-T3	POT-T-450	31,927	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
299	Potiguar	Onshore	SPOT-T3	POT-T-483	10,575	Mature	C	10,000.00	50,000.00	69	7.5%	47.70	5
300	Potiguar	Onshore	SPOT-T3	POT-T-484	18,546	Mature	C	10,000.00	50,000.00	121	7.5%	47.70	5
301	Potiguar	Onshore	SPOT-T3	POT-T-485	28,114	Mature	C	10,000.00	50,000.00	184	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
302	Potiguar	Onshore	SPOT-T3	POT-T-488	16,769	Mature	C	10,000.00	50,000.00	110	7.5%	47.70	5
303	Potiguar	Onshore	SPOT-T3	POT-T-489	31,898	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
304	Potiguar	Onshore	SPOT-T4	POT-T-511	31,923	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
305	Potiguar	Onshore	SPOT-T4	POT-T-512	31,918	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
306	Potiguar	Onshore	SPOT-T4	POT-T-513	12,999	Mature	C	10,000.00	50,000.00	85	7.5%	47.70	5
307	Potiguar	Onshore	SPOT-T4	POT-T-515	25,150	Mature	C	10,000.00	50,000.00	164	7.5%	47.70	5
308	Potiguar	Onshore	SPOT-T4	POT-T-516	19,335	Mature	C	10,000.00	50,000.00	126	7.5%	47.70	5
309	Potiguar	Onshore	SPOT-T4	POT-T-520	17,106	Mature	C	10,000.00	50,000.00	112	7.5%	47.70	5
310	Potiguar	Onshore	SPOT-T4	POT-T-553	31,921	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
311	Potiguar	Onshore	SPOT-T4	POT-T-554	31,921	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
312	Potiguar	Onshore	SPOT-T4	POT-T-555	31,921	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
313	Potiguar	Onshore	SPOT-T4	POT-T-556	31,921	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
314	Potiguar	Onshore	SPOT-T4	POT-T-557	18,141	Mature	C	10,000.00	50,000.00	119	7.5%	47.70	5
315	Potiguar	Onshore	SPOT-T4	POT-T-559	25,012	Mature	C	10,000.00	50,000.00	164	7.5%	47.70	5
316	Potiguar	Onshore	SPOT-T4	POT-T-560	28,038	Mature	C	10,000.00	50,000.00	183	7.5%	47.70	5
317	Potiguar	Onshore	SPOT-T4	POT-T-562	31,921	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
318	Potiguar	Onshore	SPOT-T4	POT-T-563	31,772	Mature	C	10,000.00	50,000.00	208	7.5%	47.70	5
319	Potiguar	Onshore	SPOT-T4	POT-T-598	31,919	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
320	Potiguar	Onshore	SPOT-T4	POT-T-599	31,919	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
321	Potiguar	Onshore	SPOT-T4	POT-T-600	31,919	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
322	Potiguar	Onshore	SPOT-T4	POT-T-601	31,919	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
323	Potiguar	Onshore	SPOT-T4	POT-T-602	25,236	Mature	C	10,000.00	50,000.00	165	7.5%	47.70	5
324	Potiguar	Onshore	SPOT-T4	POT-T-603	24,040	Mature	C	10,000.00	50,000.00	157	7.5%	47.70	5
325	Potiguar	Onshore	SPOT-T4	POT-T-604	16,134	Mature	C	10,000.00	50,000.00	105	7.5%	47.70	5
326	Potiguar	Onshore	SPOT-T4	POT-T-605	23,702	Mature	C	10,000.00	50,000.00	155	7.5%	47.70	5
327	Potiguar	Onshore	SPOT-T4	POT-T-607	31,919	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
328	Potiguar	Onshore	SPOT-T4	POT-T-608	31,919	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
329	Potiguar	Onshore	SPOT-T4	POT-T-609	22,044	Mature	C	10,000.00	50,000.00	144	7.5%	47.70	5
330	Potiguar	Onshore	SPOT-T4	POT-T-612	45,211	Mature	C	10,000.00	50,000.00	296	7.5%	47.70	5
331	Potiguar	Onshore	SPOT-T4	POT-T-642	31,917	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
332	Potiguar	Onshore	SPOT-T4	POT-T-643	31,460	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5
333	Potiguar	Onshore	SPOT-T4	POT-T-644	17,721	Mature	C	10,000.00	50,000.00	116	7.5%	47.70	5
334	Potiguar	Onshore	SPOT-T4	POT-T-645	32,078	Mature	C	10,000.00	50,000.00	210	7.5%	47.70	5
335	Potiguar	Onshore	SPOT-T4	POT-T-646	31,917	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
336	Potiguar	Onshore	SPOT-T4	POT-T-647	27,908	Mature	C	10,000.00	50,000.00	182	7.5%	47.70	5
337	Potiguar	Onshore	SPOT-T4	POT-T-648	18,277	Mature	C	10,000.00	50,000.00	119	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
338	Potiguar	Onshore	SPOT-T4	POT-T-649	30,558	Mature	C	10,000.00	50,000.00	200	7.5%	47.70	5
339	Potiguar	Onshore	SPOT-T4	POT-T-653	31,917	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
340	Potiguar	Onshore	SPOT-T4	POT-T-654	32,182	Mature	C	10,000.00	50,000.00	210	7.5%	47.70	5
341	Potiguar	Onshore	SPOT-T4	POT-T-655	31,917	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
342	Potiguar	Onshore	SPOT-T4	POT-T-656	32,004	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
343	Potiguar	Onshore	SPOT-T4	POT-T-657	21,071	Mature	C	10,000.00	50,000.00	138	7.5%	47.70	5
344	Potiguar	Onshore	SPOT-T4	POT-T-688	31,914	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
345	Potiguar	Onshore	SPOT-T4	POT-T-689	30,408	Mature	C	10,000.00	50,000.00	199	7.5%	47.70	5
346	Potiguar	Onshore	SPOT-T4	POT-T-691	17,580	Mature	C	10,000.00	50,000.00	115	7.5%	47.70	5
347	Potiguar	Onshore	SPOT-T4	POT-T-692	13,553	Mature	C	10,000.00	50,000.00	89	7.5%	47.70	5
348	Potiguar	Onshore	SPOT-T4	POT-T-693	20,082	Mature	C	10,000.00	50,000.00	131	7.5%	47.70	5
349	Potiguar	Onshore	SPOT-T4	POT-T-694	25,026	Mature	C	10,000.00	50,000.00	164	7.5%	47.70	5
350	Potiguar	Onshore	SPOT-T4	POT-T-696	31,978	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
351	Potiguar	Onshore	SPOT-T4	POT-T-697	31,914	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
352	Potiguar	Onshore	SPOT-T4	POT-T-698	31,914	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
353	Potiguar	Onshore	SPOT-T4	POT-T-701	32,068	Mature	C	10,000.00	50,000.00	210	7.5%	47.70	5
354	Potiguar	Onshore	SPOT-T4	POT-T-702	17,178	Mature	C	10,000.00	50,000.00	112	7.5%	47.70	5
355	Potiguar	Onshore	SPOT-T4	POT-T-703	13,250	Mature	C	10,000.00	50,000.00	87	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
356	Potiguar	Onshore	SPOT-T4	POT-T-734	31,912	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
357	Potiguar	Onshore	SPOT-T4	POT-T-735	31,898	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
358	Potiguar	Onshore	SPOT-T4	POT-T-736	31,613	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
359	Potiguar	Onshore	SPOT-T4	POT-T-737	30,426	Mature	C	10,000.00	50,000.00	199	7.5%	47.70	5
360	Potiguar	Onshore	SPOT-T4	POT-T-738	29,041	Mature	C	10,000.00	50,000.00	190	7.5%	47.70	5
361	Potiguar	Onshore	SPOT-T4	POT-T-739	15,926	Mature	C	10,000.00	50,000.00	104	7.5%	47.70	5
362	Potiguar	Onshore	SPOT-T4	POT-T-742	28,165	Mature	C	10,000.00	50,000.00	184	7.5%	47.70	5
363	Potiguar	Onshore	SPOT-T4	POT-T-745	29,702	Mature	C	10,000.00	50,000.00	194	7.5%	47.70	5
364	Potiguar	Onshore	SPOT-T4	POT-T-746	14,587	Mature	C	10,000.00	50,000.00	95	7.5%	47.70	5
365	Potiguar	Onshore	SPOT-T4	POT-T-748	13,058	Mature	C	10,000.00	50,000.00	85	7.5%	47.70	5
366	Potiguar	Onshore	SPOT-T4	POT-T-749	31,912	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
367	Potiguar	Onshore	SPOT-T4	POT-T-781	31,910	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
368	Potiguar	Onshore	SPOT-T4	POT-T-782	31,910	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
369	Potiguar	Onshore	SPOT-T4	POT-T-783	31,910	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
370	Potiguar	Onshore	SPOT-T4	POT-T-784	24,514	Mature	C	10,000.00	50,000.00	160	7.5%	47.70	5
371	Potiguar	Onshore	SPOT-T4	POT-T-786	12,033	Mature	C	10,000.00	50,000.00	79	7.5%	47.70	5
372	Potiguar	Onshore	SPOT-T4	POT-T-789	15,888	Mature	C	10,000.00	50,000.00	104	7.5%	47.70	5
373	Potiguar	Onshore	SPOT-T4	POT-T-790	20,371	Mature	C	10,000.00	50,000.00	133	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
374	Potiguar	Onshore	SPOT-T4	POT-T-791	29,309	Mature	C	10,000.00	50,000.00	192	7.5%	47.70	5
375	Potiguar	Onshore	SPOT-T4	POT-T-792	19,821	Mature	C	10,000.00	50,000.00	130	7.5%	47.70	5
376	Potiguar	Onshore	SPOT-T4	POT-T-793	27,708	Mature	C	10,000.00	50,000.00	181	7.5%	47.70	5
377	Potiguar	Onshore	SPOT-T4	POT-T-794A	13,581	Mature	C	10,000.00	50,000.00	89	7.5%	47.70	5
378	Potiguar	Onshore	SPOT-T4	POT-T-795	31,796	Mature	C	10,000.00	50,000.00	208	7.5%	47.70	5
379	Potiguar	Onshore	SPOT-T4	POT-T-828	31,908	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
380	Potiguar	Onshore	SPOT-T4	POT-T-829	31,908	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
381	Potiguar	Onshore	SPOT-T4	POT-T-830	31,908	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
382	Potiguar	Onshore	SPOT-T4	POT-T-831	31,908	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
383	Potiguar	Onshore	SPOT-T4	POT-T-832	31,906	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
384	Potiguar	Onshore	SPOT-T4	POT-T-833	26,830	Mature	C	10,000.00	50,000.00	175	7.5%	47.70	5
385	Potiguar	Onshore	SPOT-T4	POT-T-835	42,526	Mature	C	10,000.00	50,000.00	278	7.5%	47.70	5
386	Potiguar	Onshore	SPOT-T4	POT-T-836	35,499	Mature	C	10,000.00	50,000.00	232	7.5%	47.70	5
387	Potiguar	Onshore	SPOT-T4	POT-T-837	20,014	Mature	C	10,000.00	50,000.00	131	7.5%	47.70	5
388	Potiguar	Onshore	SPOT-T4	POT-T-838	24,216	Mature	C	10,000.00	50,000.00	158	7.5%	47.70	5
389	Potiguar	Onshore	SPOT-T4	POT-T-839	19,237	Mature	C	10,000.00	50,000.00	126	7.5%	47.70	5
390	Potiguar	Onshore	SPOT-T4	POT-T-840	30,943	Mature	C	10,000.00	50,000.00	202	7.5%	47.70	5
391	Potiguar	Onshore	SPOT-T4	POT-T-841	31,908	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
392	Potiguar	Onshore	SPOT-T4	POT-T-872	31,906	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
393	Potiguar	Onshore	SPOT-T4	POT-T-873	31,906	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
394	Potiguar	Onshore	SPOT-T4	POT-T-874	31,906	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
395	Potiguar	Onshore	SPOT-T4	POT-T-875	31,906	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
396	Potiguar	Onshore	SPOT-T4	POT-T-876	31,906	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
397	Potiguar	Onshore	SPOT-T4	POT-T-877	31,906	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
398	Potiguar	Onshore	SPOT-T4	POT-T-878	31,820	Mature	C	10,000.00	50,000.00	208	7.5%	47.70	5
399	Potiguar	Onshore	SPOT-T4	POT-T-881	31,791	Mature	C	10,000.00	50,000.00	208	7.5%	47.70	5
400	Potiguar	Onshore	SPOT-T4	POT-T-906	31,904	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
401	Potiguar	Onshore	SPOT-T4	POT-T-907	31,904	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
402	Potiguar	Onshore	SPOT-T4	POT-T-908	31,904	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
403	Potiguar	Onshore	SPOT-T4	POT-T-911	31,904	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
404	Potiguar	Onshore	SPOT-T4	POT-T-912	31,902	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
405	Potiguar	Onshore	SPOT-T4	POT-T-913	32,976	Mature	C	10,000.00	50,000.00	216	7.5%	47.70	5
406	Potiguar	Onshore	SPOT-T4	POT-T-914	40,775	Mature	C	10,000.00	50,000.00	267	7.5%	47.70	5
407	Potiguar	Onshore	SPOT-T4	POT-T-915	31,904	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
408	Potiguar	Onshore	SPOT-T5	POT-T-523	28,233	Mature	C	10,000.00	50,000.00	185	7.5%	47.70	5
409	Potiguar	Onshore	SPOT-T5	POT-T-524	31,800	Mature	C	10,000.00	50,000.00	208	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
410	Potiguar	Onshore	SPOT-T5	POT-T-525	43,919	Mature	C	10,000.00	50,000.00	287	7.5%	47.70	5
411	Potiguar	Onshore	SPOT-T5	POT-T-527	32,124	Mature	C	10,000.00	50,000.00	210	7.5%	47.70	5
412	Potiguar	Onshore	SPOT-T5	POT-T-530	19,781	Mature	C	10,000.00	50,000.00	129	7.5%	47.70	5
413	Potiguar	Onshore	SPOT-T5	POT-T-531	37,663	Mature	C	10,000.00	50,000.00	246	7.5%	47.70	5
414	Potiguar	Onshore	SPOT-T5	POT-T-568	32,074	Mature	C	10,000.00	50,000.00	210	7.5%	47.70	5
415	Potiguar	Onshore	SPOT-T5	POT-T-574	39,865	Mature	C	10,000.00	50,000.00	261	7.5%	47.70	5
416	Potiguar	Onshore	SPOT-T5	POT-T-576	31,921	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
417	Potiguar	Onshore	SPOT-T5	POT-T-620	32,088	Mature	C	10,000.00	50,000.00	210	7.5%	47.70	5
418	Potiguar	Onshore	SPOT-T5	POT-T-662	32,088	Mature	C	10,000.00	50,000.00	210	7.5%	47.70	5
419	Potiguar	Onshore	SPOT-T5	POT-T-663	31,915	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
420	Potiguar	Onshore	SPOT-T5	POT-T-664	31,619	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
421	Potiguar	Onshore	SPOT-T5	POT-T-665	31,917	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
422	Potiguar	Onshore	SPOT-T5	POT-T-704	28,911	Mature	C	10,000.00	50,000.00	189	7.5%	47.70	5
423	Potiguar	Onshore	SPOT-T5	POT-T-705	15,165	Mature	C	10,000.00	50,000.00	99	7.5%	47.70	5
424	Potiguar	Onshore	SPOT-T5	POT-T-706	46,948	Mature	C	10,000.00	50,000.00	307	7.5%	47.70	5
425	Potiguar	Onshore	SPOT-T5	POT-T-750	31,912	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
426	Potiguar	Onshore	SPOT-T5	POT-T-751	31,912	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
427	Recôncavo	Onshore	SREC-T1	REC-T-26	31,568	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
428	Recôncavo	Onshore	SREC-T1	REC-T-35	31,563	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5
429	Recôncavo	Onshore	SREC-T1	REC-T-36	31,384	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
430	Recôncavo	Onshore	SREC-T1	REC-T-37	31,384	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
431	Recôncavo	Onshore	SREC-T1	REC-T-44	31,065	Mature	C	10,000.00	50,000.00	203	7.5%	47.70	5
432	Recôncavo	Onshore	SREC-T1	REC-T-45	31,380	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
433	Recôncavo	Onshore	SREC-T1	REC-T-46	31,380	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
434	Recôncavo	Onshore	SREC-T1	REC-T-47	31,380	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
435	Recôncavo	Onshore	SREC-T1	REC-T-54	31,554	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5
436	Recôncavo	Onshore	SREC-T1	REC-T-55	31,375	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
437	Recôncavo	Onshore	SREC-T1	REC-T-56	31,375	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
438	Recôncavo	Onshore	SREC-T1	REC-T-64	31,370	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
439	Recôncavo	Onshore	SREC-T1	REC-T-65	31,701	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
440	Recôncavo	Onshore	SREC-T1	REC-T-73	31,365	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
441	Recôncavo	Onshore	SREC-T1	REC-T-74	31,189	Mature	C	10,000.00	50,000.00	204	7.5%	47.70	5
442	Recôncavo	Onshore	SREC-T1	REC-T-82	31,361	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
443	Recôncavo	Onshore	SREC-T1	REC-T-83	31,359	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
444	Recôncavo	Onshore	SREC-T1	REC-T-85	31,361	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
445	Recôncavo	Onshore	SREC-T1	REC-T-86	24,901	Mature	C	10,000.00	50,000.00	163	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
446	Recôncavo	Onshore	SREC-T1	REC-T-91	31,356	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
447	Recôncavo	Onshore	SREC-T1	REC-T-92	31,356	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
448	Recôncavo	Onshore	SREC-T1	REC-T-95	31,532	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5
449	Recôncavo	Onshore	SREC-T1	REC-T-101	31,351	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
450	Recôncavo	Onshore	SREC-T1	REC-T-102	25,733	Mature	C	10,000.00	50,000.00	168	7.5%	47.70	5
451	Recôncavo	Onshore	SREC-T1	REC-T-103	28,124	Mature	C	10,000.00	50,000.00	184	7.5%	47.70	5
452	Recôncavo	Onshore	SREC-T1	REC-T-112	31,346	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
453	Recôncavo	Onshore	SREC-T1	REC-T-113	29,322	Mature	C	10,000.00	50,000.00	192	7.5%	47.70	5
454	Recôncavo	Onshore	SREC-T2	REC-T-17	31,398	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
455	Recôncavo	Onshore	SREC-T2	REC-T-18	31,453	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5
456	Recôncavo	Onshore	SREC-T2	REC-T-19	31,398	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
457	Recôncavo	Onshore	SREC-T2	REC-T-23	31,724	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
458	Recôncavo	Onshore	SREC-T2	REC-T-24	35,506	Mature	C	10,000.00	50,000.00	232	7.5%	47.70	5
459	Recôncavo	Onshore	SREC-T2	REC-T-25	30,098	Mature	C	10,000.00	50,000.00	197	7.5%	47.70	5
460	Recôncavo	Onshore	SREC-T2	REC-T-29	31,389	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
461	Recôncavo	Onshore	SREC-T2	REC-T-30	31,718	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
462	Recôncavo	Onshore	SREC-T2	REC-T-31	40,301	Mature	C	10,000.00	50,000.00	263	7.5%	47.70	5
463	Recôncavo	Onshore	SREC-T2	REC-T-34	30,178	Mature	C	10,000.00	50,000.00	197	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
464	Recôncavo	Onshore	SREC-T2	REC-T-38	31,384	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
465	Recôncavo	Onshore	SREC-T2	REC-T-39	31,209	Mature	C	10,000.00	50,000.00	204	7.5%	47.70	5
466	Recôncavo	Onshore	SREC-T2	REC-T-43	17,883	Mature	C	10,000.00	50,000.00	117	7.5%	47.70	5
467	Recôncavo	Onshore	SREC-T2	REC-T-48	31,380	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
468	Recôncavo	Onshore	SREC-T2	REC-T-49	22,624	Mature	C	10,000.00	50,000.00	148	7.5%	47.70	5
469	Recôncavo	Onshore	SREC-T2	REC-T-81	28,275	Mature	C	10,000.00	50,000.00	185	7.5%	47.70	5
470	Recôncavo	Onshore	SREC-T2	REC-T-87	18,971	Mature	C	10,000.00	50,000.00	124	7.5%	47.70	5
471	Recôncavo	Onshore	SREC-T2	REC-T-90	30,633	Mature	C	10,000.00	50,000.00	200	7.5%	47.70	5
472	Recôncavo	Onshore	SREC-T2	REC-T-100	31,356	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
473	Recôncavo	Onshore	SREC-T3	REC-T-123	31,341	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
474	Recôncavo	Onshore	SREC-T3	REC-T-124	31,341	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
475	Recôncavo	Onshore	SREC-T3	REC-T-125	31,341	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
476	Recôncavo	Onshore	SREC-T3	REC-T-136	31,337	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
477	Recôncavo	Onshore	SREC-T3	REC-T-137	31,337	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
478	Recôncavo	Onshore	SREC-T3	REC-T-138	27,447	Mature	C	10,000.00	50,000.00	179	7.5%	47.70	5
479	Recôncavo	Onshore	SREC-T3	REC-T-149	31,332	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
480	Recôncavo	Onshore	SREC-T3	REC-T-150	31,332	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
481	Recôncavo	Onshore	SREC-T3	REC-T-162	31,327	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
482	Recôncavo	Onshore	SREC-T3	REC-T-164	14,778	Mature	C	10,000.00	50,000.00	97	7.5%	47.70	5
483	Recôncavo	Onshore	SREC-T3	REC-T-165	34,375	Mature	C	10,000.00	50,000.00	225	7.5%	47.70	5
484	Recôncavo	Onshore	SREC-T3	REC-T-175	31,322	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
485	Recôncavo	Onshore	SREC-T3	REC-T-176	31,322	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
486	Recôncavo	Onshore	SREC-T3	REC-T-177	31,322	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
487	Recôncavo	Onshore	SREC-T3	REC-T-188	12,723	Mature	C	10,000.00	50,000.00	83	7.5%	47.70	5
488	Recôncavo	Onshore	SREC-T3	REC-T-189	26,587	Mature	C	10,000.00	50,000.00	174	7.5%	47.70	5
489	Recôncavo	Onshore	SREC-T3	REC-T-190	31,317	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
490	Recôncavo	Onshore	SREC-T3	REC-T-191	31,317	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
491	Recôncavo	Onshore	SREC-T3	REC-T-192	20,448	Mature	C	10,000.00	50,000.00	134	7.5%	47.70	5
492	Recôncavo	Onshore	SREC-T3	REC-T-203	17,042	Mature	C	10,000.00	50,000.00	111	7.5%	47.70	5
493	Recôncavo	Onshore	SREC-T3	REC-T-204	31,312	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
494	Recôncavo	Onshore	SREC-T3	REC-T-205	31,312	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
495	Recôncavo	Onshore	SREC-T3	REC-T-206	31,640	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
496	Recôncavo	Onshore	SREC-T3	REC-T-220	24,835	Mature	C	10,000.00	50,000.00	162	7.5%	47.70	5
497	Recôncavo	Onshore	SREC-T3	REC-T-235	23,819	Mature	C	10,000.00	50,000.00	156	7.5%	47.70	5
498	Recôncavo	Onshore	SREC-T3	REC-T-237	37,148	Mature	C	10,000.00	50,000.00	243	7.5%	47.70	5
499	Recôncavo	Onshore	SREC-T3	REC-T-280	36,836	Mature	C	10,000.00	50,000.00	241	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
500	Recôncavo	Onshore	SREC-T4	REC-T-130	30,468	Mature	C	10,000.00	50,000.00	199	7.5%	47.70	5
501	Recôncavo	Onshore	SREC-T4	REC-T-131	20,089	Mature	C	10,000.00	50,000.00	131	7.5%	47.70	5
502	Recôncavo	Onshore	SREC-T4	REC-T-132	25,282	Mature	C	10,000.00	50,000.00	165	7.5%	47.70	5
503	Recôncavo	Onshore	SREC-T4	REC-T-133	31,386	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
504	Recôncavo	Onshore	SREC-T4	REC-T-143	9,294	Mature	C	10,000.00	50,000.00	61	7.5%	47.70	5
505	Recôncavo	Onshore	SREC-T4	REC-T-144	19,231	Mature	C	10,000.00	50,000.00	126	7.5%	47.70	5
506	Recôncavo	Onshore	SREC-T4	REC-T-146	31,337	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
507	Recôncavo	Onshore	SREC-T4	REC-T-157	19,022	Mature	C	10,000.00	50,000.00	124	7.5%	47.70	5
508	Recôncavo	Onshore	SREC-T4	REC-T-159	31,498	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5
509	Recôncavo	Onshore	SREC-T4	REC-T-168	17,459	Mature	C	10,000.00	50,000.00	114	7.5%	47.70	5
510	Recôncavo	Onshore	SREC-T4	REC-T-170	28,061	Mature	C	10,000.00	50,000.00	183	7.5%	47.70	5
511	Recôncavo	Onshore	SREC-T4	REC-T-171	30,996	Mature	C	10,000.00	50,000.00	203	7.5%	47.70	5
512	Recôncavo	Onshore	SREC-T4	REC-T-184	53,086	Mature	C	10,000.00	50,000.00	347	7.5%	47.70	5
513	Recôncavo	Onshore	SREC-T4	REC-T-185	31,322	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
514	Recôncavo	Onshore	SREC-T4	REC-T-195	29,546	Mature	C	10,000.00	50,000.00	193	7.5%	47.70	5
515	Recôncavo	Onshore	SREC-T4	REC-T-196	29,802	Mature	C	10,000.00	50,000.00	195	7.5%	47.70	5
516	Recôncavo	Onshore	SREC-T4	REC-T-223	15,951	Mature	C	10,000.00	50,000.00	104	7.5%	47.70	5
517	Recôncavo	Onshore	SREC-T4	REC-T-226	27,267	Mature	C	10,000.00	50,000.00	178	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
518	Recôncavo	Onshore	SREC-T4	REC-T-227	31,307	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
519	Recôncavo	Onshore	SREC-T4	REC-T-238	18,152	Mature	C	10,000.00	50,000.00	119	7.5%	47.70	5
520	Recôncavo	Onshore	SREC-T4	REC-T-241	31,208	Mature	C	10,000.00	50,000.00	204	7.5%	47.70	5
521	Recôncavo	Onshore	SREC-T4	REC-T-256	31,476	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5
522	Santos	Deep Water	SS-AP4	S-M-1229	691,060	New Frontier	A	80,000.00	5,955,000.00	106	10.0%	760.22	7
523	Santos	Deep Water	SS-AP4	S-M-1231	691,060	New Frontier	A	80,000.00	6,351,000.00	106	10.0%	760.22	7
524	Santos	Deep Water	SS-AP4	S-M-1352	689,590	New Frontier	A	150,000.00	8,060,000.00	106	10.0%	760.22	7
525	Santos	Deep Water	SS-AP4	S-M-1354	689,590	New Frontier	A	150,000.00	9,378,000.00	106	10.0%	760.22	7
526	Santos	Deep Water	SS-AP4	S-M-1356	689,590	New Frontier	A	150,000.00	9,378,000.00	106	10.0%	760.22	7
527	Santos	Deep Water	SS-AP4	S-M-1478	688,108	New Frontier	A	150,000.00	9,285,000.00	105	10.0%	760.22	7
528	Santos	Deep Water	SS-AP4	S-M-1480	688,108	New Frontier	A	80,000.00	7,980,000.00	105	10.0%	760.22	7
529	Santos	Deep Water	SS-AP4	S-M-1482	688,108	New Frontier	A	150,000.00	9,285,000.00	105	10.0%	760.22	7
530	Santos	Deep Water	SS-AP4	S-M-1597	686,612	New Frontier	A	150,000.00	9,382,000.00	105	10.0%	760.22	7
531	Santos	Deep Water	SS-AP4	S-M-1599	686,612	New Frontier	A	150,000.00	9,382,000.00	105	10.0%	760.22	7
532	Santos	Deep Water	SS-AP4	S-M-1601	686,612	New Frontier	A	80,000.00	7,980,000.00	105	10.0%	760.22	7
533	Santos	Deep Water	SS-AUP1	S-M-649	698,211	High Potential	A	300,000.00	28,221,000.00	107	10.0%	1.520.44	7
534	Santos	Deep Water	SS-AUP1	S-M-760	879,687	High Potential	A	600,000.00	34,826,000.00	135	10.0%	1.520.44	7
535	Santos	Deep Water	SS-AUP1	S-M-762	696,807	High Potential	A	300,000.00	22,823,000.00	107	10.0%	1.520.44	7

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
536	Santos	Deep Water	SS-AUP5	S-M-881	643,590	High Potential	A	150,000.00	14,219,000.00	99	10.0%	417.38	7
537	Santos	Deep Water	SS-AUP5	S-M-883	695,390	High Potential	A	4,800,000.00	372,704,000.00	106	10.0%	417.38	7
538	Santos	Deep Water	SS-AUP5	S-M-885	695,390	High Potential	A	600,000.00	55,122,000.00	106	10.0%	417.38	7
539	Santos	Deep Water	SS-AUP5	S-M-887	695,390	High Potential	A	2,400,000.00	155,163,000.00	106	10.0%	417.38	7
540	Santos	Deep Water	SS-AUP5	S-M-889	695,390	High Potential	A	300,000.00	17,310,000.00	106	10.0%	417.38	7
541	Santos	Deep Water	SS-AUP5	S-M-1006	664,319	High Potential	A	150,000.00	12,684,000.00	102	10.0%	417.38	7
542	Santos	Deep Water	SS-AUP5	S-M-1008	693,960	High Potential	A	4,800,000.00	354,070,000.00	106	10.0%	417.38	7
543	Santos	Deep Water	SS-AUP5	S-M-1494	707,468	High Potential	A	300,000.00	18,193,000.00	108	10.0%	417.38	7
544	Santos	Deep Water	SS-AUP5	S-M-1496	1,135,258	High Potential	A	300,000.00	29,406,000.00	174	10.0%	417.38	7
545	Santos	Shallow Water	SS-AR2	S-M-225	176,008	New Frontier	B	40,000.00	3,640,000.00	79	10.0%	1.013.63	7
546	Santos	Shallow Water	SS-AR2	S-M-226	176,008	New Frontier	B	40,000.00	3,055,000.00	79	10.0%	1.013.63	7
547	Santos	Shallow Water	SS-AR2	S-M-268	175,840	New Frontier	B	40,000.00	3,640,000.00	79	10.0%	1.013.63	7
548	Santos	Shallow Water	SS-AR2	S-M-269	175,840	New Frontier	B	40,000.00	3,640,000.00	79	10.0%	1.013.63	7
549	Santos	Shallow Water	SS-AR2	S-M-270	175,840	New Frontier	B	40,000.00	3,640,000.00	79	10.0%	1.013.63	7
550	Santos	Shallow Water	SS-AR2	S-M-313	175,671	New Frontier	B	80,000.00	4,229,000.00	79	10.0%	1.013.63	7
551	Santos	Shallow Water	SS-AR2	S-M-314	148,536	New Frontier	B	40,000.00	3,870,000.00	67	10.0%	1.013.63	7
552	Santos	Shallow Water	SS-AR2	S-M-315	117,133	New Frontier	B	40,000.00	2,164,000.00	53	10.0%	1.013.63	7
553	Santos	Shallow Water	SS-AR2	S-M-359	71,851	New Frontier	B	20,000.00	1,313,000.00	32	10.0%	1.013.63	7

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
554	Santos	Shallow Water	SS-AR2	S-M-360	20,040	New Frontier	B	10,000.00	401,000.00	9	10.0%	1.013.63	7
555	Santos	Shallow Water	SS-AR3	S-M-783	174,114	New Frontier	B	40,000.00	2,563,000.00	78	10.0%	760.22	7
556	Santos	Shallow Water	SS-AR3	S-M-784	174,114	New Frontier	B	20,000.00	1,852,000.00	78	10.0%	760.22	7
557	Santos	Shallow Water	SS-AR3	S-M-785	174,114	New Frontier	B	40,000.00	2,563,000.00	78	10.0%	760.22	7
558	Santos	Shallow Water	SS-AR3	S-M-786	174,114	New Frontier	B	40,000.00	2,506,000.00	78	10.0%	760.22	7
559	Santos	Shallow Water	SS-AR3	S-M-787	174,114	New Frontier	B	40,000.00	2,506,000.00	78	10.0%	760.22	7
560	Santos	Shallow Water	SS-AR3	S-M-844	173,936	New Frontier	B	20,000.00	1,709,000.00	78	10.0%	760.22	7
561	Santos	Shallow Water	SS-AR3	S-M-845	173,936	New Frontier	B	40,000.00	2,367,000.00	78	10.0%	760.22	7
562	Santos	Shallow Water	SS-AR3	S-M-846	173,936	New Frontier	B	40,000.00	2,766,000.00	78	10.0%	760.22	7
563	Santos	Shallow Water	SS-AR3	S-M-847	173,936	New Frontier	B	40,000.00	2,766,000.00	78	10.0%	760.22	7
564	Santos	Shallow Water	SS-AR3	S-M-848	173,936	New Frontier	B	40,000.00	2,367,000.00	78	10.0%	760.22	7
565	Santos	Shallow Water	SS-AR3	S-M-906	173,758	New Frontier	B	40,000.00	2,344,000.00	78	10.0%	760.22	7
566	Santos	Shallow Water	SS-AR3	S-M-907	173,758	New Frontier	B	20,000.00	1,692,000.00	78	10.0%	760.22	7
567	Santos	Shallow Water	SS-AR3	S-M-908	173,758	New Frontier	B	40,000.00	2,738,000.00	78	10.0%	760.22	7
568	Santos	Shallow Water	SS-AR3	S-M-909	173,758	New Frontier	B	20,000.00	1,692,000.00	78	10.0%	760.22	7
569	Santos	Shallow Water	SS-AR3	S-M-910	173,758	New Frontier	B	40,000.00	2,317,000.00	78	10.0%	760.22	7
570	Santos	Shallow Water	SS-AR3	S-M-971	173,580	New Frontier	B	40,000.00	2,344,000.00	78	10.0%	760.22	7
571	Santos	Shallow Water	SS-AR3	S-M-972	173,580	New Frontier	B	40,000.00	2,398,000.00	78	10.0%	760.22	7

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
572	Santos	Shallow Water	SS-AR3	S-M-973	173,580	New Frontier	B	40,000.00	2,317,000.00	78	10.0%	760.22	7
573	Santos	Shallow Water	SS-AR3	S-M-1036	173,400	New Frontier	B	40,000.00	2,738,000.00	78	10.0%	760.22	7
574	Santos	Shallow Water	SS-AR4	S-M-968	173,580	New Frontier	B	40,000.00	2,875,000.00	78	10.0%	760.22	7
575	Santos	Shallow Water	SS-AR4	S-M-969	173,580	New Frontier	B	40,000.00	2,906,000.00	78	10.0%	760.22	7
576	Santos	Shallow Water	SS-AR4	S-M-970	173,580	New Frontier	B	40,000.00	2,875,000.00	78	10.0%	760.22	7
577	Santos	Shallow Water	SS-AR4	S-M-1031	173,400	New Frontier	B	40,000.00	2,605,000.00	78	10.0%	760.22	7
578	Santos	Shallow Water	SS-AR4	S-M-1032	173,400	New Frontier	B	40,000.00	2,605,000.00	78	10.0%	760.22	7
579	Santos	Shallow Water	SS-AR4	S-M-1033	173,400	New Frontier	B	40,000.00	2,664,000.00	78	10.0%	760.22	7
580	Santos	Shallow Water	SS-AR4	S-M-1034	173,400	New Frontier	B	20,000.00	1,925,000.00	78	10.0%	760.22	7
581	Santos	Shallow Water	SS-AR4	S-M-1035	173,400	New Frontier	B	20,000.00	1,925,000.00	78	10.0%	760.22	7
582	Santos	Shallow Water	SS-AR4	S-M-1095	173,220	New Frontier	B	40,000.00	2,814,000.00	78	10.0%	760.22	7
583	Santos	Shallow Water	SS-AR4	S-M-1096	173,220	New Frontier	B	40,000.00	2,814,000.00	78	10.0%	760.22	7
584	Santos	Shallow Water	SS-AR4	S-M-1097	173,220	New Frontier	B	40,000.00	2,814,000.00	78	10.0%	760.22	7
585	Santos	Shallow Water	SS-AR4	S-M-1098	173,220	New Frontier	B	40,000.00	2,105,000.00	78	10.0%	760.22	7
586	Santos	Shallow Water	SS-AR4	S-M-1099	173,220	New Frontier	B	20,000.00	1,925,000.00	78	10.0%	760.22	7
587	Santos	Shallow Water	SS-AR4	S-M-1100	173,220	New Frontier	B	40,000.00	2,605,000.00	78	10.0%	760.22	7
588	Santos	Shallow Water	SS-AR4	S-M-1159	173,038	New Frontier	B	40,000.00	2,605,000.00	78	10.0%	760.22	7
589	Santos	Shallow Water	SS-AR4	S-M-1160	173,038	New Frontier	B	40,000.00	3,063,000.00	78	10.0%	760.22	7

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
590	Santos	Shallow Water	SS-AR4	S-M-1161	173,038	New Frontier	B	40,000.00	3,031,000.00	78	10.0%	760.22	7
591	Santos	Shallow Water	SS-AR4	S-M-1162	173,038	New Frontier	B	40,000.00	2,605,000.00	78	10.0%	760.22	7
592	Santos	Shallow Water	SS-AR4	S-M-1163	173,038	New Frontier	B	40,000.00	2,027,000.00	78	10.0%	760.22	7
593	Santos	Shallow Water	SS-AR4	S-M-1164	173,038	New Frontier	B	40,000.00	2,053,000.00	78	10.0%	760.22	7
594	Santos	Shallow Water	SS-AR4	S-M-1223	172,856	New Frontier	B	40,000.00	2,787,000.00	78	10.0%	760.22	7
595	Santos	Shallow Water	SS-AR4	S-M-1224	172,856	New Frontier	B	40,000.00	2,787,000.00	78	10.0%	760.22	7
596	Santos	Shallow Water	SS-AR4	S-M-1225	172,856	New Frontier	B	40,000.00	2,787,000.00	78	10.0%	760.22	7
597	Santos	Shallow Water	SS-AR4	S-M-1226	172,856	New Frontier	B	40,000.00	2,787,000.00	78	10.0%	760.22	7
598	Santos	Shallow Water	SS-AR4	S-M-1227	172,856	New Frontier	B	40,000.00	2,787,000.00	78	10.0%	760.22	7
599	Santos	Shallow Water	SS-AR4	S-M-1228	172,856	New Frontier	B	40,000.00	2,787,000.00	78	10.0%	760.22	7
600	Santos	Shallow Water	SS-AR4	S-M-1285	172,673	New Frontier	B	40,000.00	2,787,000.00	77	10.0%	760.22	7
601	Santos	Shallow Water	SS-AR4	S-M-1287	172,673	New Frontier	B	40,000.00	2,639,000.00	77	10.0%	760.22	7
602	Santos	Shallow Water	SS-AR4	S-M-1288	83,995	New Frontier	B	20,000.00	1,294,000.00	38	10.0%	760.22	7
603	Santos	Shallow Water	SS-AR4	S-M-1289	147,733	New Frontier	B	40,000.00	2,437,000.00	66	10.0%	760.22	7
604	Santos	Shallow Water	SS-AR4	S-M-1290	172,673	New Frontier	B	40,000.00	2,848,000.00	77	10.0%	760.22	7
605	Santos	Shallow Water	SS-AR4	S-M-1348	172,490	New Frontier	B	40,000.00	2,580,000.00	77	10.0%	760.22	7
606	Santos	Shallow Water	SS-AR4	S-M-1349	172,490	New Frontier	B	20,000.00	1,882,000.00	77	10.0%	760.22	7
607	Santos	Shallow Water	SS-AR4	S-M-1350	172,490	New Frontier	B	40,000.00	2,639,000.00	77	10.0%	760.22	7

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
608	Santos	Shallow Water	SS-AR4	S-M-1351	172,490	New Frontier	B	20,000.00	1,907,000.00	77	10.0%	760.22	7
609	Santos	Shallow Water	SS-AR4	S-M-1411	172,305	New Frontier	B	40,000.00	2,580,000.00	77	10.0%	760.22	7
610	Santos	Shallow Water	SS-AR4	S-M-1412	82,152	New Frontier	B	20,000.00	1,241,000.00	37	10.0%	760.22	7
611	Santos	Shallow Water	SS-AR4	S-M-1413	160,594	New Frontier	B	40,000.00	2,380,000.00	72	10.0%	760.22	7
612	Santos	Shallow Water	SS-AR4	S-M-1414	172,305	New Frontier	B	40,000.00	2,639,000.00	77	10.0%	760.22	7
613	Santos	Shallow Water	SS-AR4	S-M-1474	172,120	New Frontier	B	20,000.00	1,833,000.00	77	10.0%	760.22	7
614	Santos	Shallow Water	SS-AR4	S-M-1475	87,571	New Frontier	B	10,000.00	934,000.00	39	10.0%	760.22	7
615	Santos	Shallow Water	SS-AR4	S-M-1476	165,681	New Frontier	B	40,000.00	2,453,000.00	74	10.0%	760.22	7
616	Santos	Shallow Water	SS-AR4	S-M-1477	172,120	New Frontier	B	40,000.00	3,034,000.00	77	10.0%	760.22	7
617	Santos	Shallow Water	SS-AR4	S-M-1535	171,934	New Frontier	B	40,000.00	3,034,000.00	77	10.0%	760.22	7
618	Santos	Shallow Water	SS-AR4	S-M-1536	171,934	New Frontier	B	40,000.00	3,002,000.00	77	10.0%	760.22	7
619	Santos	Shallow Water	SS-AR4	S-M-1538	171,934	New Frontier	B	40,000.00	3,034,000.00	77	10.0%	760.22	7
620	Santos	Shallow Water	SS-AR4	S-M-1595	171,747	New Frontier	B	40,000.00	2,940,000.00	77	10.0%	760.22	7
621	Santos	Shallow Water	SS-AR4	S-M-1596	171,747	New Frontier	B	40,000.00	2,940,000.00	77	10.0%	760.22	7
622	Sergipe-Alagoas	Deep Water	SSEAL-AP1	SEAL-M-212	419,811	High Potential	A	150,000.00	14,374,000.00	64	10.0%	417.38	7
623	Sergipe-Alagoas	Deep Water	SSEAL-AP1	SEAL-M-214	757,067	High Potential	A	300,000.00	17,144,000.00	116	10.0%	417.38	7
624	Sergipe-Alagoas	Deep Water	SSEAL-AP1	SEAL-M-279	505,428	High Potential	A	300,000.00	25,089,000.00	77	10.0%	417.38	7
625	Sergipe-Alagoas	Deep Water	SSEAL-AP1	SEAL-M-281	756,471	High Potential	A	600,000.00	37,320,000.00	116	10.0%	417.38	7

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
626	Sergipe-Alagoas	Deep Water	SSEAL-AP1	SEAL-M-353	755,861	High Potential	A	300,000.00	30,980,000.00	116	10.0%	417.38	7
627	Sergipe-Alagoas	Deep Water	SSEAL-AP2	SEAL-M-568	554,711	High Potential	A	1,200,000.00	73,895,000.00	85	10.0%	2.027.25	7
628	Sergipe-Alagoas	Deep Water	SSEAL-AP2	SEAL-M-571	753,011	High Potential	A	1,200,000.00	80,136,000.00	115	10.0%	2.027.25	7
629	Sergipe-Alagoas	Deep Water	SSEAL-AP2	SEAL-M-633	753,279	High Potential	A	600,000.00	57,251,000.00	115	10.0%	2.027.25	7
630	Sergipe-Alagoas	Deep Water	SSEAL-AUP1	SEAL-M-283	756,471	New Frontier	A	40,000.00	2,749,000.00	116	7.5%	223.59	7
631	Sergipe-Alagoas	Deep Water	SSEAL-AUP1	SEAL-M-355	755,861	New Frontier	A	40,000.00	2,469,000.00	116	7.5%	223.59	7
632	Sergipe-Alagoas	Deep Water	SSEAL-AUP2	SEAL-M-635	753,279	New Frontier	A	40,000.00	2,540,000.00	115	7.5%	223.59	7
633	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-29	31,500	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5
634	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-30	31,418	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
635	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-31	31,665	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
636	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-32	28,614	Mature	C	10,000.00	50,000.00	187	7.5%	47.70	5
637	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-36	31,002	Mature	C	10,000.00	50,000.00	203	7.5%	47.70	5
638	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-37	24,818	Mature	C	10,000.00	50,000.00	162	7.5%	47.70	5
639	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-38	27,704	Mature	C	10,000.00	50,000.00	181	7.5%	47.70	5
640	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-39	23,004	Mature	C	10,000.00	50,000.00	150	7.5%	47.70	5
641	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-43	31,658	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
642	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-44	31,658	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
643	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-45	21,517	Mature	C	10,000.00	50,000.00	141	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
644	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-49	31,654	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
645	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-54	31,972	Mature	C	10,000.00	50,000.00	209	7.5%	47.70	5
646	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-55	31,651	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
647	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-62	26,867	Mature	C	10,000.00	50,000.00	176	7.5%	47.70	5
648	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-63	28,845	Mature	C	10,000.00	50,000.00	189	7.5%	47.70	5
649	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-67	31,324	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
650	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-68	16,481	Mature	C	10,000.00	50,000.00	108	7.5%	47.70	5
651	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-71	31,640	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
652	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-72	26,779	Mature	C	10,000.00	50,000.00	175	7.5%	47.70	5
653	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-76	28,423	Mature	C	10,000.00	50,000.00	186	7.5%	47.70	5
654	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-77	21,884	Mature	C	10,000.00	50,000.00	143	7.5%	47.70	5
655	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-78	26,116	Mature	C	10,000.00	50,000.00	171	7.5%	47.70	5
656	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-82	31,632	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
657	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-83	27,050	Mature	C	10,000.00	50,000.00	177	7.5%	47.70	5
658	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-84	20,182	Mature	C	10,000.00	50,000.00	132	7.5%	47.70	5
659	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-89	42,336	Mature	C	10,000.00	50,000.00	277	7.5%	47.70	5
660	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-90	29,817	Mature	C	10,000.00	50,000.00	195	7.5%	47.70	5
661	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-97	30,966	Mature	C	10,000.00	50,000.00	202	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
662	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-98	13,095	Mature	C	10,000.00	50,000.00	86	7.5%	47.70	5
663	Sergipe-Alagoas	Onshore	SSEAL-T1	SEAL-T-105	29,645	Mature	C	10,000.00	50,000.00	194	7.5%	47.70	5
664	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-94	41,563	Mature	C	10,000.00	50,000.00	272	7.5%	47.70	5
665	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-102	18,388	Mature	C	10,000.00	50,000.00	120	7.5%	47.70	5
666	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-103	25,631	Mature	C	10,000.00	50,000.00	168	7.5%	47.70	5
667	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-109	31,617	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
668	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-110	25,299	Mature	C	10,000.00	50,000.00	165	7.5%	47.70	5
669	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-117	31,447	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5
670	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-120	15,261	Mature	C	10,000.00	50,000.00	100	7.5%	47.70	5
671	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-128	31,610	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
672	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-129	31,608	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
673	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-130	29,527	Mature	C	10,000.00	50,000.00	193	7.5%	47.70	5
674	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-131	18,769	Mature	C	10,000.00	50,000.00	123	7.5%	47.70	5
675	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-140	21,352	Mature	C	10,000.00	50,000.00	140	7.5%	47.70	5
676	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-141	20,848	Mature	C	10,000.00	50,000.00	136	7.5%	47.70	5
677	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-151	22,819	Mature	C	10,000.00	50,000.00	149	7.5%	47.70	5
678	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-153	24,484	Mature	C	10,000.00	50,000.00	160	7.5%	47.70	5
679	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-156	34,895	Mature	C	10,000.00	50,000.00	228	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
680	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-163	31,598	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
681	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-164	31,431	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
682	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-166	27,842	Mature	C	10,000.00	50,000.00	182	7.5%	47.70	5
683	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-167	26,254	Mature	C	10,000.00	50,000.00	172	7.5%	47.70	5
684	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-168	14,187	Mature	C	10,000.00	50,000.00	93	7.5%	47.70	5
685	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-169	15,635	Mature	C	10,000.00	50,000.00	102	7.5%	47.70	5
686	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-176	31,426	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
687	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-179	29,662	Mature	C	10,000.00	50,000.00	194	7.5%	47.70	5
688	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-188	32,739	Mature	C	10,000.00	50,000.00	214	7.5%	47.70	5
689	Sergipe-Alagoas	Onshore	SSEAL-T2	SEAL-T-191	16,005	Mature	C	10,000.00	50,000.00	105	7.5%	47.70	5
690	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-175	31,594	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
691	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-186	31,590	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
692	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-187	31,589	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
693	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-196	31,587	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
694	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-197	31,587	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
695	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-205	31,583	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5
696	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-206	31,583	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5
697	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-207	31,583	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
698	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-214	31,579	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5
699	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-215	31,579	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5
700	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-216	31,579	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5
701	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-217	31,579	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5
702	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-226	31,575	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5
703	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-227	31,575	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5
704	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-228	35,341	Mature	C	10,000.00	50,000.00	231	7.5%	47.70	5
705	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-236	31,406	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
706	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-237	31,571	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5
707	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-238	31,571	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5
708	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-239	44,158	Mature	C	10,000.00	50,000.00	289	7.5%	47.70	5
709	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-248	34,618	Mature	C	10,000.00	50,000.00	226	7.5%	47.70	5
710	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-249	31,238	Mature	C	10,000.00	50,000.00	204	7.5%	47.70	5
711	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-250	29,594	Mature	C	10,000.00	50,000.00	193	7.5%	47.70	5
712	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-251	31,567	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5
713	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-252	31,418	Mature	C	10,000.00	50,000.00	205	7.5%	47.70	5
714	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-253	23,264	Mature	C	10,000.00	50,000.00	152	7.5%	47.70	5
715	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-258	31,563	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
716	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-260	33,096	Mature	C	10,000.00	50,000.00	216	7.5%	47.70	5
717	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-261	27,864	Mature	C	10,000.00	50,000.00	182	7.5%	47.70	5
718	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-262	31,563	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5
719	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-263	26,474	Mature	C	10,000.00	50,000.00	173	7.5%	47.70	5
720	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-267	31,713	Mature	C	10,000.00	50,000.00	207	7.5%	47.70	5
721	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-269	25,778	Mature	C	10,000.00	50,000.00	169	7.5%	47.70	5
722	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-270	31,559	Mature	C	10,000.00	50,000.00	206	7.5%	47.70	5
723	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-271	24,491	Mature	C	10,000.00	50,000.00	160	7.5%	47.70	5
724	Sergipe-Alagoas	Onshore	SSEAL-T3	SEAL-T-303	26,661	Mature	C	10,000.00	50,000.00	174	7.5%	47.70	5
725	Tucano	Onshore	STUC-S	TUC-T-130	188,770	New Frontier	C	10,000.00	50,000.00	400	7.5%	47.70	6
726	Tucano	Onshore	STUC-S	TUC-T-131	189,425	New Frontier	C	10,000.00	50,000.00	400	7.5%	47.70	6
727	Tucano	Onshore	STUC-S	TUC-T-132	188,770	New Frontier	C	10,000.00	50,000.00	400	7.5%	47.70	6
728	Tucano	Onshore	STUC-S	TUC-T-133	188,770	New Frontier	C	10,000.00	50,000.00	400	7.5%	47.70	6
729	Tucano	Onshore	STUC-S	TUC-T-138	188,151	New Frontier	C	10,000.00	50,000.00	400	7.5%	47.70	6
730	Tucano	Onshore	STUC-S	TUC-T-140	189,886	New Frontier	C	10,000.00	50,000.00	400	7.5%	47.70	6
731	Tucano	Onshore	STUC-S	TUC-T-141	189,346	New Frontier	C	10,000.00	50,000.00	400	7.5%	47.70	6
732	Tucano	Onshore	STUC-S	TUC-T-142	189,347	New Frontier	C	10,000.00	50,000.00	400	7.5%	47.70	6
733	Tucano	Onshore	STUC-S	TUC-T-146	188,068	New Frontier	C	10,000.00	50,000.00	400	7.5%	47.70	6

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
No.	Basin	Environment	Sector	Block	Area (km ²)	Exploration Model	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	PEM (UWs)	Royalty Fee (%)	Retention of Area (BRL/Km ² /year)	Exploration Phase (years)
734	Tucano	Onshore	STUC-S	TUC-T-151	189,142	New Frontier	C	10,000.00	50,000.00	400	7.5%	47.70	6
735	Tucano	Onshore	STUC-S	TUC-T-154	187,987	New Frontier	C	10,000.00	50,000.00	400	7.5%	47.70	6
736	Tucano	Onshore	STUC-S	TUC-T-161	188,443	New Frontier	C	10,000.00	50,000.00	400	7.5%	47.70	6
737	Tucano	Onshore	STUC-S	TUC-T-162	181,524	New Frontier	C	10,000.00	50,000.00	400	7.5%	47.70	6
738	Tucano	Onshore	STUC-S	TUC-T-167	187,822	New Frontier	C	10,000.00	50,000.00	400	7.5%	47.70	6
739	Tucano	Onshore	STUC-S	TUC-T-172	182,182	New Frontier	C	10,000.00	50,000.00	400	7.5%	47.70	6
740	Tucano	Onshore	STUC-S	TUC-T-178	31,041	New Frontier	C	10,000.00	50,000.00	400	7.5%	47.70	6

Notes:

(1) The exploration phase may be extended under the concession agreement.

(2) Fees for occupation or retention of areas, in Reais per km², in January 2019, applicable to the exploration phase. These fees shall be paid and adjusted annually, as of the date of execution of the concession agreement, according to the IGP-DI accrued in the 12 months preceding the date of each adjustment, as provided for in art. 28 of Decree No. 2,705/98. These fees shall be increased by 100% in case of extension of the exploration phase, when applicable, and for the development stage. The fees shall be increased by 900% for the production phase.

(3) Bidders shall be qualified as operators or non-operators. Those qualified as operators shall be classified as follows: operator A to operate blocks located in deepwater/ultra-deepwater, shallow water, and onshore; operator B to operate blocks located in shallow water and onshore; operator C to operate only blocks located onshore; and operator D to operate only onshore areas with marginal accumulations.

Coordinates for the Exploration Blocks under the Open Acreage Concession Modality

For purposes of the Open Acreage Concession Modality, the Brazilian sedimentary basins were divided into sectors, which, on their turn, were divided into exploration blocks.

The maps and coordinates can be found in the coordinate system SIRGAS 2000 and are listed below as texts. The coordinates have three decimal places, as established by Standard ANP4C.

The boundaries of the blocks surrounding the areas contracted (converted from SAD 69 to SIRGAS 2000) are provided with additional intermediate vertices to ensure a more accurate localization. On the list of coordinates, these vertices show coordinates rounded to the third decimal place for the seconds, pursuant to Standard ANP4C.

The Shapefile maps and the files for the exploration blocks will be available on the websites <http://rodadas.anp.gov.br> and <http://www.anp.gov.br/www.anp/exploracao-e-producao-de-oleo-e-gas/dados-tecnicos>.

740 exploration blocks located in 51 sectors of 14 Brazilian sedimentary basins are currently offered under the Open Acreage Concession Modality.

The basins, sectors, blocks, and their respective locations and areas in km² can be found in Table 14 of this Annex.

BLOCK COORDINATES**Basin of Camamu-Almada****CAL-M-62**

-13:24:22,500;-38:08:54,375
-13:24:13,125;-38:08:54,375
-13:24:13,125;-38:07:39,375
-13:24:03,750;-38:07:39,375
-13:24:03,750;-38:06:33,750
-13:23:54,375;-38:06:33,750
-13:23:54,375;-38:05:56,250
-13:23:45,000;-38:05:56,250
-13:23:45,000;-38:05:09,375
-13:23:35,625;-38:05:09,375
-13:23:35,625;-38:03:54,375
-13:23:16,875;-38:03:54,375
-13:23:16,875;-38:02:58,125
-13:22:58,125;-38:02:58,125
-13:22:58,125;-38:02:01,875
-13:22:39,375;-38:02:01,875
-13:22:39,375;-38:01:15,000
-13:22:20,625;-38:01:15,000
-13:22:20,625;-38:00:28,125
-13:22:01,875;-38:00:28,125
-13:22:01,875;-38:00:00,000
-13:30:00,000;-38:00:00,000
-13:30:00,000;-38:15:01,285
-13:29:50,625;-38:15:01,285
-13:29:41,250;-38:15:01,285
-13:29:31,875;-38:15:01,285
-13:29:22,500;-38:15:01,285
-13:29:13,125;-38:15:01,285
-13:29:03,750;-38:15:01,285
-13:28:54,375;-38:15:01,285
-13:28:45,000;-38:15:01,285
-13:28:35,625;-38:15:01,285
-13:28:26,250;-38:15:01,285
-13:28:16,875;-38:15:01,285

-13:28:07,500;-38:15:01,285
-13:27:58,125;-38:15:01,285
-13:27:48,750;-38:15:01,285
-13:27:39,375;-38:15:01,285
-13:27:30,000;-38:15:01,285
-13:27:20,625;-38:15:01,285
-13:27:11,250;-38:15:01,285
-13:27:01,875;-38:15:01,285
-13:26:52,500;-38:15:01,285
-13:26:43,125;-38:15:01,285
-13:26:33,750;-38:15:01,285
-13:26:24,375;-38:15:01,285
-13:26:15,000;-38:15:01,285
-13:26:05,625;-38:15:01,285
-13:25:56,250;-38:15:01,285
-13:25:46,875;-38:15:01,285
-13:25:37,500;-38:15:01,285
-13:25:28,125;-38:15:01,285
-13:25:18,750;-38:15:01,285
-13:25:09,375;-38:15:01,285
-13:25:00,000;-38:15:01,285
-13:25:00,000;-38:14:41,250
-13:24:22,500;-38:14:41,250
-13:24:22,500;-38:08:54,375

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-13:21:52,500;-37:59:22,500
-13:21:33,750;-37:59:22,500
-13:21:33,750;-37:58:45,000
-13:21:15,000;-37:58:45,000
-13:21:15,000;-37:58:07,500
-13:20:56,250;-37:58:07,500
-13:20:56,250;-37:57:30,000
-13:20:37,500;-37:57:30,000
-13:20:37,500;-37:57:01,875
-13:20:18,750;-37:57:01,875
-13:20:18,750;-37:56:33,750

-13:20:00,000;-37:56:33,750
-13:20:00,000;-37:56:05,625
-13:19:41,250;-37:56:05,625
-13:19:41,250;-37:55:37,500
-13:19:22,500;-37:55:37,500
-13:19:22,500;-37:55:09,375
-13:19:03,750;-37:55:09,375
-13:19:03,750;-37:54:41,250
-13:18:45,000;-37:54:41,250
-13:18:45,000;-37:54:13,125
-13:18:16,875;-37:54:13,125
-13:18:16,875;-37:53:45,000
-13:17:58,125;-37:53:45,000
-13:17:58,125;-37:53:26,250
-13:17:39,375;-37:53:26,250
-13:17:39,375;-37:52:48,750
-13:17:20,625;-37:52:48,750
-13:17:20,625;-37:52:01,875
-13:17:01,875;-37:52:01,875
-13:17:01,875;-37:51:24,375
-13:16:43,125;-37:51:24,375
-13:16:43,125;-37:50:46,875
-13:16:24,375;-37:50:46,875
-13:16:24,375;-37:50:09,375
-13:16:05,625;-37:50:09,375
-13:16:05,625;-37:49:31,875
-13:15:46,875;-37:49:31,875
-13:15:46,875;-37:49:03,750
-13:15:28,125;-37:49:03,750
-13:15:28,125;-37:48:35,625
-13:15:09,375;-37:48:35,625
-13:15:09,375;-37:48:07,500
-13:14:50,625;-37:48:07,500
-13:14:50,625;-37:47:39,375
-13:14:31,875;-37:47:39,375
-13:14:31,875;-37:47:11,250
-13:14:13,125;-37:47:11,250

-13:14:13,125;-37:46:33,750	-13:30:01,620;-38:19:13,125	-13:45:01,627;-38:16:05,625
-13:13:45,000;-37:46:33,750	-13:30:01,620;-38:19:03,750	-13:45:01,627;-38:16:15,000
-13:13:45,000;-37:45:56,250	-13:30:01,620;-38:18:54,375	-13:45:01,627;-38:16:24,375
-13:13:16,875;-37:45:56,250	-13:30:01,620;-38:18:45,000	-13:45:01,627;-38:16:33,750
-13:13:16,875;-37:45:28,125	-13:30:01,620;-38:18:35,625	-13:45:01,627;-38:16:43,125
-13:12:48,750;-37:45:28,125	-13:30:01,620;-38:18:26,250	-13:45:01,627;-38:16:52,500
-13:12:48,750;-37:45:00,000	-13:30:01,620;-38:18:16,875	-13:45:01,627;-38:17:01,875
-13:30:00,000;-37:45:00,000	-13:30:01,620;-38:18:07,500	-13:45:01,627;-38:17:11,250
-13:30:00,000;-38:00:00,000	-13:30:01,620;-38:17:58,125	-13:45:01,627;-38:17:20,625
-13:22:01,875;-38:00:00,000	-13:30:01,620;-38:17:48,750	-13:45:01,627;-38:17:30,000
-13:22:01,875;-37:59:50,625	-13:30:01,620;-38:17:39,375	-13:45:01,626;-38:17:39,375
-13:21:52,500;-37:59:50,625	-13:30:01,620;-38:17:30,000	-13:45:01,626;-38:17:48,750
-13:21:52,500;-37:59:22,500	-13:30:01,620;-38:17:20,625	-13:45:01,626;-38:17:58,125
	-13:30:01,620;-38:17:11,250	-13:45:01,626;-38:18:07,500
<u>CAL-M-122</u>	-13:30:01,620;-38:17:01,875	-13:45:01,626;-38:18:16,875
-13:45:01,626;-38:22:30,000	-13:30:01,620;-38:16:52,500	-13:45:01,626;-38:18:26,250
-13:30:01,620;-38:22:30,000	-13:30:01,620;-38:16:43,125	-13:45:01,626;-38:18:35,625
-13:30:01,620;-38:22:20,625	-13:30:01,620;-38:16:33,750	-13:45:01,626;-38:18:45,000
-13:30:01,620;-38:22:11,250	-13:30:01,620;-38:16:24,375	-13:45:01,626;-38:18:54,375
-13:30:01,620;-38:22:01,875	-13:30:01,620;-38:16:15,000	-13:45:01,626;-38:19:03,750
-13:30:01,620;-38:21:52,500	-13:30:01,620;-38:16:05,625	-13:45:01,626;-38:19:13,125
-13:30:01,620;-38:21:43,125	-13:30:01,620;-38:15:56,250	-13:45:01,626;-38:19:22,500
-13:30:01,620;-38:21:33,750	-13:30:01,620;-38:15:46,875	-13:45:01,626;-38:19:31,875
-13:30:01,620;-38:21:24,375	-13:30:01,621;-38:15:37,500	-13:45:01,626;-38:19:41,250
-13:30:01,620;-38:21:15,000	-13:30:01,621;-38:15:28,125	-13:45:01,626;-38:19:50,625
-13:30:01,620;-38:21:05,625	-13:30:01,621;-38:15:18,750	-13:45:01,626;-38:20:00,000
-13:30:01,620;-38:20:56,250	-13:30:01,621;-38:15:09,375	-13:45:01,626;-38:20:09,375
-13:30:01,620;-38:20:46,875	-13:30:01,621;-38:15:01,285	-13:45:01,626;-38:20:18,750
-13:30:01,620;-38:20:37,500	-13:30:00,000;-38:15:01,285	-13:45:01,626;-38:20:28,125
-13:30:01,620;-38:20:28,125	-13:30:00,000;-38:15:00,000	-13:45:01,626;-38:20:37,500
-13:30:01,620;-38:20:18,750	-13:45:01,627;-38:15:00,000	-13:45:01,626;-38:20:46,875
-13:30:01,620;-38:20:09,375	-13:45:01,627;-38:15:09,375	-13:45:01,626;-38:20:56,250
-13:30:01,620;-38:20:00,000	-13:45:01,627;-38:15:18,750	-13:45:01,626;-38:21:05,625
-13:30:01,620;-38:19:50,625	-13:45:01,627;-38:15:28,125	-13:45:01,626;-38:21:15,000
-13:30:01,620;-38:19:41,250	-13:45:01,627;-38:15:37,500	-13:45:01,626;-38:21:24,375
-13:30:01,620;-38:19:31,875	-13:45:01,627;-38:15:46,875	-13:45:01,626;-38:21:33,750
-13:30:01,620;-38:19:22,500	-13:45:01,627;-38:15:56,250	-13:45:01,626;-38:21:43,125

-13:45:01,626;-38:21:52,500	-13:56:24,375;-38:15:01,288	-13:50:37,500;-38:15:01,287
-13:45:01,626;-38:22:01,875	-13:56:15,000;-38:15:01,288	-13:50:28,125;-38:15:01,287
-13:45:01,626;-38:22:11,250	-13:56:05,625;-38:15:01,288	-13:50:18,750;-38:15:01,287
-13:45:01,626;-38:22:20,625	-13:55:56,250;-38:15:01,288	-13:50:09,375;-38:15:01,287
-13:45:01,626;-38:22:30,000	-13:55:46,875;-38:15:01,288	-13:50:00,000;-38:15:01,287
	-13:55:37,500;-38:15:01,287	-13:49:50,625;-38:15:01,287
<u>CAL-M-124</u>	-13:55:28,125;-38:15:01,287	-13:49:41,250;-38:15:01,287
-13:45:00,000;-38:15:00,000	-13:55:18,750;-38:15:01,287	-13:49:31,875;-38:15:01,287
-13:30:00,000;-38:15:00,000	-13:55:09,375;-38:15:01,287	-13:49:22,500;-38:15:01,287
-13:30:00,000;-38:00:00,000	-13:55:00,000;-38:15:01,287	-13:49:13,125;-38:15:01,287
-13:45:00,000;-38:00:00,000	-13:54:50,625;-38:15:01,287	-13:49:03,750;-38:15:01,287
-13:45:00,000;-38:15:00,000	-13:54:41,250;-38:15:01,287	-13:48:54,375;-38:15:01,287
	-13:54:31,875;-38:15:01,287	-13:48:45,000;-38:15:01,287
<u>CAL-M-190</u>	-13:54:22,500;-38:15:01,287	-13:48:35,625;-38:15:01,287
-14:00:00,000;-38:15:01,288	-13:54:13,125;-38:15:01,287	-13:48:26,250;-38:15:01,287
-13:59:50,625;-38:15:01,288	-13:54:03,750;-38:15:01,287	-13:48:16,875;-38:15:01,287
-13:59:41,250;-38:15:01,288	-13:53:54,375;-38:15:01,287	-13:48:07,500;-38:15:01,287
-13:59:31,875;-38:15:01,288	-13:53:45,000;-38:15:01,287	-13:47:58,125;-38:15:01,287
-13:59:22,500;-38:15:01,288	-13:53:35,625;-38:15:01,287	-13:47:48,750;-38:15:01,287
-13:59:13,125;-38:15:01,288	-13:53:26,250;-38:15:01,287	-13:47:39,375;-38:15:01,287
-13:59:03,750;-38:15:01,288	-13:53:16,875;-38:15:01,287	-13:47:30,000;-38:15:01,287
-13:58:54,375;-38:15:01,288	-13:53:07,500;-38:15:01,287	-13:47:20,625;-38:15:01,287
-13:58:45,000;-38:15:01,288	-13:52:58,125;-38:15:01,287	-13:47:11,250;-38:15:01,287
-13:58:35,625;-38:15:01,288	-13:52:48,750;-38:15:01,287	-13:47:01,875;-38:15:01,287
-13:58:26,250;-38:15:01,288	-13:52:39,375;-38:15:01,287	-13:46:52,500;-38:15:01,287
-13:58:16,875;-38:15:01,288	-13:52:30,000;-38:15:01,287	-13:46:43,125;-38:15:01,287
-13:58:07,500;-38:15:01,288	-13:52:20,625;-38:15:01,287	-13:46:33,750;-38:15:01,287
-13:57:58,125;-38:15:01,288	-13:52:11,250;-38:15:01,287	-13:46:24,375;-38:15:01,287
-13:57:48,750;-38:15:01,288	-13:52:01,875;-38:15:01,287	-13:46:15,000;-38:15:01,287
-13:57:39,375;-38:15:01,288	-13:51:52,500;-38:15:01,287	-13:46:05,625;-38:15:01,287
-13:57:30,000;-38:15:01,288	-13:51:43,125;-38:15:01,287	-13:45:56,250;-38:15:01,287
-13:57:20,625;-38:15:01,288	-13:51:33,750;-38:15:01,287	-13:45:46,875;-38:15:01,287
-13:57:11,250;-38:15:01,288	-13:51:24,375;-38:15:01,287	-13:45:37,500;-38:15:01,287
-13:57:01,875;-38:15:01,288	-13:51:15,000;-38:15:01,287	-13:45:28,125;-38:15:01,287
-13:56:52,500;-38:15:01,288	-13:51:05,625;-38:15:01,287	-13:45:18,750;-38:15:01,287
-13:56:43,125;-38:15:01,288	-13:50:56,250;-38:15:01,287	-13:45:09,375;-38:15:01,287
-13:56:33,750;-38:15:01,288	-13:50:46,875;-38:15:01,287	-13:45:01,627;-38:15:01,287

-13:45:01,627;-38:15:00,000	-14:10:18,750;-38:30:01,297	-14:00:01,632;-38:21:05,625
-13:45:00,000;-38:15:00,000	-14:10:09,375;-38:30:01,297	-14:00:01,632;-38:20:56,250
-13:45:00,000;-38:00:00,000	-14:10:00,000;-38:30:01,297	-14:00:01,632;-38:20:46,875
-14:00:00,000;-38:00:00,000	-14:10:00,000;-38:26:15,000	-14:00:01,632;-38:20:37,500
-14:00:00,000;-38:15:01,288	-14:00:01,632;-38:26:15,000	-14:00:01,632;-38:20:28,125
	-14:00:01,632;-38:26:05,625	-14:00:01,632;-38:20:18,750
<u>CAL-M-250</u>	-14:00:01,632;-38:25:56,250	-14:00:01,632;-38:20:09,375
-14:15:00,000;-38:30:01,297	-14:00:01,632;-38:25:46,875	-14:00:01,632;-38:20:00,000
-14:14:50,625;-38:30:01,297	-14:00:01,632;-38:25:37,500	-14:00:01,632;-38:19:50,625
-14:14:41,250;-38:30:01,297	-14:00:01,632;-38:25:28,125	-14:00:01,632;-38:19:41,250
-14:14:31,875;-38:30:01,297	-14:00:01,632;-38:25:18,750	-14:00:01,632;-38:19:31,875
-14:14:22,500;-38:30:01,297	-14:00:01,632;-38:25:09,375	-14:00:01,632;-38:19:22,500
-14:14:13,125;-38:30:01,297	-14:00:01,632;-38:25:00,000	-14:00:01,632;-38:19:13,125
-14:14:03,750;-38:30:01,297	-14:00:01,632;-38:24:50,625	-14:00:01,633;-38:19:03,750
-14:13:54,375;-38:30:01,297	-14:00:01,632;-38:24:41,250	-14:00:01,633;-38:18:54,375
-14:13:45,000;-38:30:01,297	-14:00:01,632;-38:24:31,875	-14:00:01,633;-38:18:45,000
-14:13:35,625;-38:30:01,297	-14:00:01,632;-38:24:22,500	-14:00:01,633;-38:18:35,625
-14:13:26,250;-38:30:01,297	-14:00:01,632;-38:24:13,125	-14:00:01,633;-38:18:26,250
-14:13:16,875;-38:30:01,297	-14:00:01,632;-38:24:03,750	-14:00:01,633;-38:18:16,875
-14:13:07,500;-38:30:01,297	-14:00:01,632;-38:23:54,375	-14:00:01,633;-38:18:07,500
-14:12:58,125;-38:30:01,297	-14:00:01,632;-38:23:45,000	-14:00:01,633;-38:17:58,125
-14:12:48,750;-38:30:01,297	-14:00:01,632;-38:23:35,625	-14:00:01,633;-38:17:48,750
-14:12:39,375;-38:30:01,297	-14:00:01,632;-38:23:26,250	-14:00:01,633;-38:17:39,375
-14:12:30,000;-38:30:01,297	-14:00:01,632;-38:23:16,875	-14:00:01,633;-38:17:30,000
-14:12:20,625;-38:30:01,297	-14:00:01,632;-38:23:07,500	-14:00:01,633;-38:17:20,625
-14:12:11,250;-38:30:01,297	-14:00:01,632;-38:22:58,125	-14:00:01,633;-38:17:11,250
-14:12:01,875;-38:30:01,297	-14:00:01,632;-38:22:48,750	-14:00:01,633;-38:17:01,875
-14:11:52,500;-38:30:01,297	-14:00:01,632;-38:22:39,375	-14:00:01,633;-38:16:52,500
-14:11:43,125;-38:30:01,297	-14:00:01,632;-38:22:30,000	-14:00:01,633;-38:16:43,125
-14:11:33,750;-38:30:01,297	-14:00:01,632;-38:22:20,625	-14:00:01,633;-38:16:33,750
-14:11:24,375;-38:30:01,297	-14:00:01,632;-38:22:11,250	-14:00:01,633;-38:16:24,375
-14:11:15,000;-38:30:01,297	-14:00:01,632;-38:22:01,875	-14:00:01,633;-38:16:15,000
-14:11:05,625;-38:30:01,297	-14:00:01,632;-38:21:52,500	-14:00:01,633;-38:16:05,625
-14:10:56,250;-38:30:01,297	-14:00:01,632;-38:21:43,125	-14:00:01,633;-38:15:56,250
-14:10:46,875;-38:30:01,297	-14:00:01,632;-38:21:33,750	-14:00:01,633;-38:15:46,875
-14:10:37,500;-38:30:01,297	-14:00:01,632;-38:21:24,375	-14:00:01,633;-38:15:37,500
-14:10:28,125;-38:30:01,297	-14:00:01,632;-38:21:15,000	-14:00:01,633;-38:15:28,125

-14:00:01,633;-38:15:18,750	-14:42:03,523;-38:30:01,300	-14:36:16,646;-38:30:01,299
-14:00:01,633;-38:15:09,375	-14:41:54,148;-38:30:01,300	-14:36:07,271;-38:30:01,299
-14:00:01,633;-38:15:01,288	-14:41:44,773;-38:30:01,300	-14:35:57,896;-38:30:01,299
-14:00:00,000;-38:15:01,288	-14:41:35,398;-38:30:01,300	-14:35:48,521;-38:30:01,299
-14:00:00,000;-38:15:00,000	-14:41:26,023;-38:30:01,300	-14:35:39,146;-38:30:01,299
-14:15:00,000;-38:15:00,000	-14:41:16,648;-38:30:01,300	-14:35:29,771;-38:30:01,299
-14:15:00,000;-38:30:01,297	-14:41:07,273;-38:30:01,300	-14:35:20,396;-38:30:01,299
	-14:40:57,898;-38:30:01,300	-14:35:11,021;-38:30:01,299
<u>CAL-M-314</u>	-14:40:48,523;-38:30:01,300	-14:35:01,646;-38:30:01,299
-14:30:00,000;-38:30:00,000	-14:40:39,148;-38:30:01,300	-14:34:52,271;-38:30:01,299
-14:15:01,638;-38:30:00,000	-14:40:29,773;-38:30:01,300	-14:34:42,896;-38:30:01,299
-14:15:01,638;-38:30:01,297	-14:40:20,398;-38:30:01,300	-14:34:33,520;-38:30:01,299
-14:15:00,000;-38:30:01,297	-14:40:11,023;-38:30:01,300	-14:34:24,145;-38:30:01,299
-14:15:00,000;-38:15:00,000	-14:40:01,648;-38:30:01,300	-14:34:14,770;-38:30:01,299
-14:30:00,000;-38:15:00,000	-14:39:52,273;-38:30:01,300	-14:34:05,395;-38:30:01,299
-14:30:00,000;-38:30:00,000	-14:39:42,898;-38:30:01,300	-14:33:56,020;-38:30:01,299
	-14:39:33,522;-38:30:01,300	-14:33:46,645;-38:30:01,299
<u>CAL-M-374</u>	-14:39:24,147;-38:30:01,300	-14:33:37,270;-38:30:01,299
-14:45:01,650;-38:30:01,300	-14:39:14,772;-38:30:01,300	-14:33:27,895;-38:30:01,299
-14:44:52,275;-38:30:01,300	-14:39:05,397;-38:30:01,300	-14:33:18,520;-38:30:01,299
-14:44:42,900;-38:30:01,300	-14:38:56,022;-38:30:01,300	-14:33:09,145;-38:30:01,299
-14:44:33,524;-38:30:01,300	-14:38:46,647;-38:30:01,300	-14:32:59,770;-38:30:01,299
-14:44:24,149;-38:30:01,300	-14:38:37,272;-38:30:01,300	-14:32:50,395;-38:30:01,299
-14:44:14,774;-38:30:01,300	-14:38:27,897;-38:30:01,300	-14:32:41,020;-38:30:01,299
-14:44:05,399;-38:30:01,300	-14:38:18,522;-38:30:01,300	-14:32:31,645;-38:30:01,299
-14:43:56,024;-38:30:01,300	-14:38:09,147;-38:30:01,300	-14:32:22,270;-38:30:01,299
-14:43:46,649;-38:30:01,300	-14:37:59,772;-38:30:01,300	-14:32:12,895;-38:30:01,299
-14:43:37,274;-38:30:01,300	-14:37:50,397;-38:30:01,300	-14:32:03,519;-38:30:01,299
-14:43:27,899;-38:30:01,300	-14:37:41,022;-38:30:01,300	-14:31:54,144;-38:30:01,299
-14:43:18,524;-38:30:01,300	-14:37:31,647;-38:30:01,300	-14:31:44,769;-38:30:01,299
-14:43:09,149;-38:30:01,300	-14:37:22,272;-38:30:01,300	-14:31:35,394;-38:30:01,299
-14:42:59,774;-38:30:01,300	-14:37:12,897;-38:30:01,299	-14:31:26,019;-38:30:01,299
-14:42:50,399;-38:30:01,300	-14:37:03,521;-38:30:01,299	-14:31:16,644;-38:30:01,299
-14:42:41,024;-38:30:01,300	-14:36:54,146;-38:30:01,299	-14:31:07,269;-38:30:01,299
-14:42:31,649;-38:30:01,300	-14:36:44,771;-38:30:01,299	-14:30:57,894;-38:30:01,299
-14:42:22,274;-38:30:01,300	-14:36:35,396;-38:30:01,299	-14:30:48,519;-38:30:01,299
-14:42:12,899;-38:30:01,300	-14:36:26,021;-38:30:01,299	-14:30:39,144;-38:30:01,299

-14:30:29,769;-38:30:01,299	-14:45:01,651;-38:19:41,250	-14:45:01,650;-38:25:28,125
-14:30:20,394;-38:30:01,299	-14:45:01,651;-38:19:50,625	-14:45:01,650;-38:25:37,500
-14:30:11,019;-38:30:01,299	-14:45:01,651;-38:20:00,000	-14:45:01,650;-38:25:46,875
-14:30:01,644;-38:30:01,299	-14:45:01,651;-38:20:09,375	-14:45:01,650;-38:25:56,250
-14:30:01,644;-38:30:00,000	-14:45:01,651;-38:20:18,750	-14:45:01,650;-38:26:05,625
-14:30:00,000;-38:30:00,000	-14:45:01,651;-38:20:28,125	-14:45:01,650;-38:26:15,000
-14:30:00,000;-38:15:00,000	-14:45:01,651;-38:20:37,500	-14:45:01,650;-38:26:24,375
-14:45:01,651;-38:15:00,000	-14:45:01,651;-38:20:46,875	-14:45:01,650;-38:26:33,750
-14:45:01,651;-38:15:09,375	-14:45:01,651;-38:20:56,250	-14:45:01,650;-38:26:43,125
-14:45:01,651;-38:15:18,750	-14:45:01,651;-38:21:05,625	-14:45:01,650;-38:26:52,500
-14:45:01,651;-38:15:28,125	-14:45:01,651;-38:21:15,000	-14:45:01,650;-38:27:01,875
-14:45:01,651;-38:15:37,500	-14:45:01,650;-38:21:24,375	-14:45:01,650;-38:27:11,250
-14:45:01,651;-38:15:46,875	-14:45:01,650;-38:21:33,750	-14:45:01,650;-38:27:20,625
-14:45:01,651;-38:15:56,250	-14:45:01,650;-38:21:43,125	-14:45:01,650;-38:27:30,000
-14:45:01,651;-38:16:05,625	-14:45:01,650;-38:21:52,500	-14:45:01,650;-38:27:39,375
-14:45:01,651;-38:16:15,000	-14:45:01,650;-38:22:01,875	-14:45:01,650;-38:27:48,750
-14:45:01,651;-38:16:24,375	-14:45:01,650;-38:22:11,250	-14:45:01,650;-38:27:58,125
-14:45:01,651;-38:16:33,750	-14:45:01,650;-38:22:20,625	-14:45:01,650;-38:28:07,500
-14:45:01,651;-38:16:43,125	-14:45:01,650;-38:22:30,000	-14:45:01,650;-38:28:16,875
-14:45:01,651;-38:16:52,500	-14:45:01,650;-38:22:39,375	-14:45:01,650;-38:28:26,250
-14:45:01,651;-38:17:01,875	-14:45:01,650;-38:22:48,750	-14:45:01,650;-38:28:35,625
-14:45:01,651;-38:17:11,250	-14:45:01,650;-38:22:58,125	-14:45:01,650;-38:28:45,000
-14:45:01,651;-38:17:20,625	-14:45:01,650;-38:23:07,500	-14:45:01,650;-38:28:54,375
-14:45:01,651;-38:17:30,000	-14:45:01,650;-38:23:16,875	-14:45:01,650;-38:29:03,750
-14:45:01,651;-38:17:39,375	-14:45:01,650;-38:23:26,250	-14:45:01,650;-38:29:13,125
-14:45:01,651;-38:17:48,750	-14:45:01,650;-38:23:35,625	-14:45:01,650;-38:29:22,500
-14:45:01,651;-38:17:58,125	-14:45:01,650;-38:23:45,000	-14:45:01,650;-38:29:31,875
-14:45:01,651;-38:18:07,500	-14:45:01,650;-38:23:54,375	-14:45:01,650;-38:29:41,250
-14:45:01,651;-38:18:16,875	-14:45:01,650;-38:24:03,750	-14:45:01,650;-38:29:50,625
-14:45:01,651;-38:18:26,250	-14:45:01,650;-38:24:13,125	-14:45:01,650;-38:30:01,300
-14:45:01,651;-38:18:35,625	-14:45:01,650;-38:24:22,500	
-14:45:01,651;-38:18:45,000	-14:45:01,650;-38:24:31,875	<u>CAL-M-126</u>
-14:45:01,651;-38:18:54,375	-14:45:01,650;-38:24:41,250	-13:45:00,000;-38:00:00,000
-14:45:01,651;-38:19:03,750	-14:45:01,650;-38:24:50,625	-13:30:00,000;-38:00:00,000
-14:45:01,651;-38:19:13,125	-14:45:01,650;-38:25:00,000	-13:30:00,000;-37:45:00,000
-14:45:01,651;-38:19:22,500	-14:45:01,650;-38:25:09,375	-13:45:00,000;-37:45:00,000
-14:45:01,651;-38:19:31,875	-14:45:01,650;-38:25:18,750	-13:45:00,000;-38:00:00,000

CAL-M-252

-14:15:00,000;-38:00:00,000

-14:15:00,000;-38:15:00,000

-14:00:00,000;-38:15:00,000

-14:00:00,000;-38:00:00,000

-14:15:00,000;-38:00:00,000

CAL-M-316

-14:30:00,000;-38:00:00,000

-14:30:00,000;-38:15:00,000

-14:15:00,000;-38:15:00,000

-14:15:00,000;-38:00:00,000

-14:30:00,000;-38:00:00,000

CAL-M-376

-14:45:00,000;-38:00:00,000

-14:45:00,000;-38:15:00,000

-14:30:00,000;-38:15:00,000

-14:30:00,000;-38:00:00,000

-14:45:00,000;-38:00:00,000

<u>Basin of Campos</u>	-21:18:26,250;-40:16:52,500	-21:30:00,000;-40:11:24,375
<u>C-M-545</u>	-21:16:05,625;-40:16:52,500	-21:30:00,000;-40:15:56,250
-23:30:00,000;-39:15:00,000	-21:16:05,625;-40:17:30,000	
-23:30:00,000;-39:30:00,000	-21:15:46,875;-40:17:30,000	<u>C-M-99</u>
-23:15:00,000;-39:30:00,000	-21:15:46,875;-40:19:50,625	-21:30:00,000;-40:11:05,625
-23:15:00,000;-39:15:00,000	-21:15:28,125;-40:19:50,625	-21:30:56,250;-40:11:05,625
-23:30:00,000;-39:15:00,000	-21:15:28,125;-40:20:37,500	-21:30:56,250;-40:10:46,875
	-21:15:00,000;-40:20:37,500	-21:32:20,625;-40:10:46,875
<u>C-M-757</u>	-21:15:00,000;-40:15:28,125	-21:32:20,625;-40:10:28,125
-24:30:00,000;-40:00:00,000	-21:16:05,625;-40:15:28,125	-21:33:54,375;-40:10:28,125
-24:30:00,000;-40:15:00,000	-21:16:05,625;-40:15:09,375	-21:33:54,375;-40:10:00,000
-24:15:00,000;-40:15:00,000	-21:16:52,500;-40:15:09,375	-21:35:09,375;-40:10:00,000
-24:15:00,000;-40:00:00,000	-21:16:52,500;-40:14:50,625	-21:35:09,375;-40:09:41,250
-24:30:00,000;-40:00:00,000	-21:17:48,750;-40:14:50,625	-21:36:05,625;-40:09:41,250
	-21:17:48,750;-40:14:31,875	-21:36:05,625;-40:09:22,500
<u>C-M-847</u>	-21:18:54,375;-40:14:31,875	-21:37:11,250;-40:09:22,500
-25:15:00,000;-40:15:00,000	-21:18:54,375;-40:14:13,125	-21:37:11,250;-40:09:03,750
-25:15:00,000;-40:30:00,000	-21:19:50,625;-40:14:13,125	-21:38:16,875;-40:09:03,750
-25:00:00,000;-40:30:00,000	-21:19:50,625;-40:13:54,375	-21:38:16,875;-40:08:45,000
-25:00:00,000;-40:15:00,000	-21:20:56,250;-40:13:54,375	-21:39:22,500;-40:08:45,000
-25:15:00,000;-40:15:00,000	-21:20:56,250;-40:13:35,625	-21:39:22,500;-40:08:26,250
	-21:21:52,500;-40:13:35,625	-21:40:37,500;-40:08:26,250
<u>C-M-58</u>	-21:21:52,500;-40:13:16,875	-21:40:37,500;-40:08:07,500
-21:30:00,000;-40:15:56,250	-21:22:30,000;-40:13:16,875	-21:41:43,125;-40:08:07,500
-21:28:07,500;-40:15:56,250	-21:22:30,000;-40:13:07,500	-21:41:43,125;-40:07:48,750
-21:28:07,500;-40:16:43,125	-21:23:26,250;-40:13:07,500	-21:42:48,750;-40:07:48,750
-21:26:43,125;-40:16:43,125	-21:23:26,250;-40:12:48,750	-21:42:48,750;-40:07:30,000
-21:26:43,125;-40:17:48,750	-21:24:41,250;-40:12:48,750	-21:43:54,375;-40:07:30,000
-21:23:54,375;-40:17:48,750	-21:24:41,250;-40:12:30,000	-21:43:54,375;-40:07:11,250
-21:23:54,375;-40:18:07,500	-21:25:37,500;-40:12:30,000	-21:45:00,000;-40:07:11,250
-21:22:39,375;-40:18:07,500	-21:25:37,500;-40:12:11,250	-21:45:00,000;-40:16:24,375
-21:22:39,375;-40:19:03,750	-21:26:43,125;-40:12:11,250	-21:37:30,000;-40:16:24,375
-21:20:18,750;-40:19:03,750	-21:26:43,125;-40:11:52,500	-21:37:30,000;-40:13:54,375
-21:20:18,750;-40:18:35,625	-21:27:48,750;-40:11:52,500	-21:39:50,625;-40:13:54,375
-21:19:22,500;-40:18:35,625	-21:27:48,750;-40:11:43,125	-21:39:50,625;-40:10:46,875
-21:19:22,500;-40:17:48,750	-21:28:35,625;-40:11:43,125	-21:35:37,500;-40:10:46,875
-21:18:26,250;-40:17:48,750	-21:28:35,625;-40:11:24,375	-21:35:37,500;-40:13:26,250

-21:34:41,250;-40:13:26,250	-21:49:22,500;-40:09:41,250	-21:54:31,875;-40:12:58,125
-21:34:41,250;-40:16:24,375	-21:49:50,625;-40:09:41,250	-21:54:31,875;-40:13:26,250
-21:33:45,000;-40:16:24,375	-21:49:50,625;-40:10:00,000	-21:55:00,000;-40:13:26,250
-21:33:45,000;-40:14:41,250	-21:50:18,750;-40:10:00,000	-21:55:00,000;-40:13:54,375
-21:32:20,625;-40:14:41,250	-21:50:18,750;-40:10:28,125	-21:55:37,500;-40:13:54,375
-21:32:20,625;-40:14:13,125	-21:50:56,250;-40:10:28,125	-21:55:37,500;-40:14:13,125
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-20:30:01,777;-38:47:03,227	-20:30:01,776;-38:52:50,105	-20:30:01,775;-38:58:36,983
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-20:30:01,777;-38:47:21,977	-20:30:01,776;-38:53:08,855	-20:30:01,775;-38:58:55,733
-20:30:01,777;-38:47:31,352	-20:30:01,776;-38:53:18,230	-20:30:01,775;-38:59:05,108
-20:30:01,777;-38:47:40,727	-20:30:01,776;-38:53:27,605	-20:30:01,775;-38:59:14,483
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-20:30:01,777;-38:48:08,852	-20:30:01,776;-38:53:55,730	-20:30:01,775;-38:59:42,609
-20:30:01,777;-38:48:18,227	-20:30:01,776;-38:54:05,105	-20:30:01,775;-38:59:51,984

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-20:45:00,000;-39:30:00,000	-20:45:01,781;-38:56:52,500	-20:45:01,782;-38:51:05,625
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-20:30:00,000;-39:15:00,000	-20:45:01,781;-38:56:33,750	-20:45:01,782;-38:50:46,875
-20:45:00,000;-39:15:00,000	-20:45:01,781;-38:56:24,375	-20:45:01,782;-38:50:37,500
-20:45:00,000;-39:30:00,000	-20:45:01,781;-38:56:15,000	-20:45:01,782;-38:50:28,125
	-20:45:01,781;-38:56:05,625	-20:45:01,782;-38:50:18,750
<u>ES-M-739</u>	-20:45:01,781;-38:55:56,250	-20:45:01,782;-38:50:09,375
-20:45:01,780;-39:00:00,000	-20:45:01,781;-38:55:46,875	-20:45:01,782;-38:50:00,000
-21:00:00,000;-39:00:00,000	-20:45:01,781;-38:55:37,500	-20:45:01,782;-38:49:50,625
-21:00:00,000;-39:15:00,000	-20:45:01,781;-38:55:28,125	-20:45:01,782;-38:49:41,250
-20:45:00,000;-39:15:00,000	-20:45:01,781;-38:55:18,750	-20:45:01,782;-38:49:31,875
-20:45:00,000;-39:00:01,361	-20:45:01,781;-38:55:09,375	-20:45:01,782;-38:49:22,500
-20:45:01,780;-39:00:01,361	-20:45:01,781;-38:55:00,000	-20:45:01,782;-38:49:13,125
-20:45:01,780;-39:00:00,000	-20:45:01,781;-38:54:50,625	-20:45:01,782;-38:49:03,750
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-20:45:01,780;-39:00:00,000	-20:45:01,781;-38:54:13,125	-20:45:01,782;-38:48:26,250
-20:45:01,781;-38:59:50,625	-20:45:01,781;-38:54:03,750	-20:45:01,782;-38:48:16,875
-20:45:01,781;-38:59:41,250	-20:45:01,781;-38:53:54,375	-20:45:01,782;-38:48:07,500
-20:45:01,781;-38:59:31,875	-20:45:01,781;-38:53:45,000	-20:45:01,782;-38:47:58,125
-20:45:01,781;-38:59:22,500	-20:45:01,781;-38:53:35,625	-20:45:01,782;-38:47:48,750
-20:45:01,781;-38:59:13,125	-20:45:01,781;-38:53:26,250	-20:45:01,782;-38:47:39,375
-20:45:01,781;-38:59:03,750	-20:45:01,781;-38:53:16,875	-20:45:01,782;-38:47:30,000
-20:45:01,781;-38:58:54,375	-20:45:01,781;-38:53:07,500	-20:45:01,782;-38:47:20,625
-20:45:01,781;-38:58:45,000	-20:45:01,781;-38:52:58,125	-20:45:01,782;-38:47:11,250
-20:45:01,781;-38:58:35,625	-20:45:01,781;-38:52:48,750	-20:45:01,782;-38:47:01,875
-20:45:01,781;-38:58:26,250	-20:45:01,781;-38:52:39,375	-20:45:01,782;-38:46:52,500
-20:45:01,781;-38:58:16,875	-20:45:01,781;-38:52:30,000	-20:45:01,782;-38:46:43,125
-20:45:01,781;-38:58:07,500	-20:45:01,781;-38:52:20,625	-20:45:01,782;-38:46:33,750
-20:45:01,781;-38:57:58,125	-20:45:01,782;-38:52:11,250	-20:45:01,782;-38:46:24,375
-20:45:01,781;-38:57:48,750	-20:45:01,782;-38:52:01,875	-20:45:01,782;-38:46:15,000
-20:45:01,781;-38:57:39,375	-20:45:01,782;-38:51:52,500	-20:45:01,782;-38:46:05,625
-20:45:01,781;-38:57:30,000	-20:45:01,782;-38:51:43,125	-20:45:01,782;-38:45:56,250

-20:45:01,782;-38:45:46,875	-20:50:01,784;-38:45:01,353	-20:55:48,661;-38:45:01,354
-20:45:01,782;-38:45:37,500	-20:50:11,159;-38:45:01,353	-20:55:58,036;-38:45:01,354
-20:45:01,782;-38:45:28,125	-20:50:20,534;-38:45:01,353	-20:56:07,411;-38:45:01,354
-20:45:01,782;-38:45:18,750	-20:50:29,909;-38:45:01,353	-20:56:16,786;-38:45:01,354
-20:45:01,782;-38:45:09,375	-20:50:39,284;-38:45:01,353	-20:56:26,161;-38:45:01,354
-20:45:01,782;-38:45:01,353	-20:50:48,659;-38:45:01,354	-20:56:35,536;-38:45:01,354
-20:45:11,158;-38:45:01,353	-20:50:58,035;-38:45:01,354	-20:56:44,911;-38:45:01,354
-20:45:20,533;-38:45:01,353	-20:51:07,410;-38:45:01,354	-20:56:54,287;-38:45:01,354
-20:45:29,908;-38:45:01,353	-20:51:16,785;-38:45:01,354	-20:57:03,662;-38:45:01,354
-20:45:39,283;-38:45:01,353	-20:51:26,160;-38:45:01,354	-20:57:13,037;-38:45:01,354
-20:45:48,658;-38:45:01,353	-20:51:35,535;-38:45:01,354	-20:57:22,412;-38:45:01,354
-20:45:58,033;-38:45:01,353	-20:51:44,910;-38:45:01,354	-20:57:31,787;-38:45:01,355
-20:46:07,408;-38:45:01,353	-20:51:54,285;-38:45:01,354	-20:57:41,162;-38:45:01,355
-20:46:16,783;-38:45:01,353	-20:52:03,660;-38:45:01,354	-20:57:50,537;-38:45:01,355
-20:46:26,158;-38:45:01,353	-20:52:13,035;-38:45:01,354	-20:57:59,912;-38:45:01,355
-20:46:35,533;-38:45:01,353	-20:52:22,410;-38:45:01,354	-20:58:09,287;-38:45:01,355
-20:46:44,908;-38:45:01,353	-20:52:31,785;-38:45:01,354	-20:58:18,662;-38:45:01,355
-20:46:54,283;-38:45:01,353	-20:52:41,160;-38:45:01,354	-20:58:28,037;-38:45:01,355
-20:47:03,658;-38:45:01,353	-20:52:50,535;-38:45:01,354	-20:58:37,412;-38:45:01,355
-20:47:13,033;-38:45:01,353	-20:52:59,910;-38:45:01,354	-20:58:46,787;-38:45:01,355
-20:47:22,408;-38:45:01,353	-20:53:09,285;-38:45:01,354	-20:58:56,162;-38:45:01,355
-20:47:31,783;-38:45:01,353	-20:53:18,660;-38:45:01,354	-20:59:05,537;-38:45:01,355
-20:47:41,158;-38:45:01,353	-20:53:28,035;-38:45:01,354	-20:59:14,912;-38:45:01,355
-20:47:50,533;-38:45:01,353	-20:53:37,410;-38:45:01,354	-20:59:24,287;-38:45:01,355
-20:47:59,908;-38:45:01,353	-20:53:46,785;-38:45:01,354	-20:59:33,662;-38:45:01,355
-20:48:09,284;-38:45:01,353	-20:53:56,161;-38:45:01,354	-20:59:43,038;-38:45:01,355
-20:48:18,659;-38:45:01,353	-20:54:05,536;-38:45:01,354	-20:59:52,413;-38:45:01,355
-20:48:28,034;-38:45:01,353	-20:54:14,911;-38:45:01,354	-21:00:00,000;-38:45:01,355
-20:48:37,409;-38:45:01,353	-20:54:24,286;-38:45:01,354	-21:00:00,000;-39:00:00,000
-20:48:46,784;-38:45:01,353	-20:54:33,661;-38:45:01,354	
-20:48:56,159;-38:45:01,353	-20:54:43,036;-38:45:01,354	
-20:49:05,534;-38:45:01,353	-20:54:52,411;-38:45:01,354	
-20:49:14,909;-38:45:01,353	-20:55:01,786;-38:45:01,354	
-20:49:24,284;-38:45:01,353	-20:55:11,161;-38:45:01,354	
-20:49:33,659;-38:45:01,353	-20:55:20,536;-38:45:01,354	
-20:49:43,034;-38:45:01,353	-20:55:29,911;-38:45:01,354	
-20:49:52,409;-38:45:01,353	-20:55:39,286;-38:45:01,354	

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<u>JA-M-24</u>	-12:06:33,750;-36:55:56,250	-12:23:54,375;-37:06:52,500
-11:57:48,750;-36:51:05,625	-12:05:18,750;-36:55:56,250	-12:23:54,375;-37:06:05,625
-11:56:05,625;-36:51:05,625	-12:05:18,750;-36:55:00,000	-12:22:39,375;-37:06:05,625
-11:56:05,625;-36:50:37,500	-12:03:35,625;-36:55:00,000	-12:22:39,375;-37:05:09,375
-11:54:41,250;-36:50:37,500	-12:03:35,625;-36:54:03,750	-12:21:24,375;-37:05:09,375
-11:54:41,250;-36:50:09,375	-12:01:52,500;-36:54:03,750	-12:21:24,375;-37:04:22,500
-11:53:45,000;-36:50:09,375	-12:01:52,500;-36:53:07,500	-12:20:00,000;-37:04:22,500
-11:53:45,000;-36:49:50,625	-12:00:00,000;-36:53:07,500	-12:20:00,000;-37:03:45,000
-11:52:58,125;-36:49:50,625	-12:00:00,000;-36:52:01,875	-12:18:35,625;-37:03:45,000
-11:52:58,125;-36:49:31,875	-11:57:48,750;-36:52:01,875	-12:18:35,625;-37:03:07,500
-11:52:11,250;-36:49:31,875	-11:57:48,750;-36:51:05,625	-12:17:20,625;-37:03:07,500
-11:52:11,250;-36:49:13,125		-12:17:20,625;-37:02:39,375
-11:50:56,250;-36:49:13,125	<u>JA-M-26</u>	-12:16:05,625;-37:02:39,375
-11:50:56,250;-36:48:45,000	-12:15:00,000;-36:30:00,000	-12:16:05,625;-37:02:11,250
-11:47:30,000;-36:48:45,000	-12:15:00,000;-36:45:00,000	-12:15:00,000;-37:02:11,250
-11:47:30,000;-36:45:00,000	-12:12:30,000;-36:45:00,000	-12:15:00,000;-37:00:00,000
-12:00:00,000;-36:45:00,000	-12:12:30,000;-36:41:15,000	-12:30:00,000;-37:00:00,000
-12:00:00,000;-36:30:00,000	-12:02:30,000;-36:41:15,000	-12:30:00,000;-37:11:43,125
-12:02:30,000;-36:30:00,000	-12:02:30,000;-36:30:00,000	
-12:02:30,000;-36:41:15,000	-12:15:00,000;-36:30:00,000	<u>JA-M-43</u>
-12:12:30,000;-36:41:15,000		-12:30:00,000;-36:45:00,000
-12:12:30,000;-36:45:00,000	<u>JA-M-41</u>	-12:30:00,000;-37:00:00,000
-12:15:00,000;-36:45:00,000	-12:30:00,000;-37:11:43,125	-12:15:00,000;-37:00:00,000
-12:15:00,000;-37:01:33,750	-12:29:31,875;-37:11:43,125	-12:15:00,000;-36:45:00,000
-12:13:45,000;-37:01:33,750	-12:29:31,875;-37:11:15,000	-12:30:00,000;-36:45:00,000
-12:13:45,000;-37:01:05,625	-12:28:54,375;-37:11:15,000	
-12:12:30,000;-37:01:05,625	-12:28:54,375;-37:10:46,875	<u>JA-M-45</u>
-12:12:30,000;-37:00:18,750	-12:28:07,500;-37:10:46,875	-12:30:00,000;-36:30:00,000
-12:11:15,000;-37:00:18,750	-12:28:07,500;-37:10:00,000	-12:30:00,000;-36:45:00,000
-12:11:15,000;-36:59:41,250	-12:27:11,250;-37:10:00,000	-12:15:00,000;-36:45:00,000
-12:10:18,750;-36:59:41,250	-12:27:11,250;-37:09:13,125	-12:15:00,000;-36:30:00,000
-12:10:18,750;-36:58:45,000	-12:26:24,375;-37:09:13,125	-12:30:00,000;-36:30:00,000
-12:09:13,125;-36:58:45,000	-12:26:24,375;-37:08:16,875	
-12:09:13,125;-36:57:39,375	-12:25:28,125;-37:08:16,875	
-12:07:48,750;-36:57:39,375	-12:25:28,125;-37:07:39,375	
-12:07:48,750;-36:56:43,125	-12:24:41,250;-37:07:39,375	

Basin of Paraná**PAR-T-153**

-20:30:00,000;-53:00:00,000
-21:00:00,000;-53:00:00,000
-21:00:00,000;-53:30:00,000
-20:30:00,000;-53:30:00,000
-20:30:00,000;-53:00:00,000

PAR-T-154

-20:30:00,000;-52:30:00,000
-21:00:00,000;-52:30:00,000
-21:00:00,000;-53:00:00,000
-20:30:00,000;-53:00:00,000
-20:30:00,000;-52:30:00,000

PAR-T-155

-20:30:00,000;-52:00:00,000
-21:00:00,000;-52:00:00,000
-21:00:00,000;-52:30:00,000
-20:30:00,000;-52:30:00,000
-20:30:00,000;-52:00:00,000

PAR-T-174

-21:00:00,000;-53:00:00,000
-21:30:00,000;-53:00:00,000
-21:30:00,000;-53:30:00,000
-21:00:00,000;-53:30:00,000
-21:00:00,000;-53:00:00,000

PAR-T-176 (PRINCIPAL)

-21:00:00,000;-52:00:00,000
-21:30:00,000;-52:00:00,000
-21:30:00,000;-52:30:00,000
-21:00:00,000;-52:30:00,000
-21:00:00,000;-52:00:00,000

PAR-T-176 (EXCLUSION)

-21:14:03,750;-52:07:01,875
-21:14:03,750;-52:11:24,375
-21:17:48,750;-52:11:24,375
-21:17:48,750;-52:08:35,625
-21:15:56,250;-52:08:35,625
-21:15:56,250;-52:07:01,875
-21:14:03,750;-52:07:01,875

PAR-T-194

-21:30:00,000;-53:30:00,000
-22:00:00,000;-53:30:00,000
-22:00:00,000;-54:00:00,000
-21:30:00,000;-54:00:00,000
-21:30:00,000;-53:30:00,000

PAR-T-195 (MAIN)

-21:30:00,000;-53:00:00,000
-22:00:00,000;-53:00:00,000
-22:00:00,000;-53:30:00,000
-21:30:00,000;-53:30:00,000
-21:30:00,000;-53:00:00,000

PAR-T-195 (I)

-21:35:00,000;-53:22:30,000
-21:40:00,000;-53:22:30,000
-21:40:00,000;-53:15:00,000
-21:35:00,000;-53:15:00,000
-21:35:00,000;-53:22:30,000

PAR-T-196

-21:30:00,000;-52:30:00,000
-22:00:00,000;-52:30:00,000
-22:00:00,000;-53:00:00,000
-21:30:00,000;-53:00:00,000
-21:30:00,000;-52:30:00,000

PAR-T-215

-22:00:00,000;-53:30:00,000
-22:30:00,000;-53:30:00,000
-22:30:00,000;-54:00:00,000
-22:00:00,000;-54:00:00,000
-22:00:00,000;-53:30:00,000

PAR-T-216

-22:00:00,000;-53:24:41,250
-22:04:22,500;-53:24:41,250
-22:04:22,500;-53:22:39,375
-22:00:00,000;-53:22:39,375
-22:00:00,000;-53:00:00,000
-22:30:00,000;-53:00:00,000
-22:30:00,000;-53:30:00,000
-22:00:00,000;-53:30:00,000
-22:00:00,000;-53:24:41,250

PAR-T-83

-18:30:00,000;-54:00:00,000
-18:30:00,000;-53:30:00,000
-18:35:00,000;-53:30:00,000
-18:35:00,000;-53:37:30,000
-18:40:00,000;-53:37:30,000
-18:40:00,000;-53:45:00,000
-18:47:30,000;-53:45:00,000
-18:47:30,000;-53:41:15,000
-18:50:00,000;-53:41:15,000
-18:50:00,000;-53:33:45,000
-18:47:30,000;-53:33:45,000
-18:47:30,000;-53:30:00,000
-19:00:00,000;-53:30:00,000
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-18:30:00,000;-54:00:00,000

PAR-T-84

-18:30:00,000;-53:11:15,000

-18:37:30,000;-53:11:15,000
-18:37:30,000;-53:03:45,000
-18:35:00,000;-53:03:45,000
-18:35:00,000;-53:00:00,000
-19:00:00,000;-53:00:00,000
-19:00:00,000;-53:07:30,000
-18:57:30,000;-53:07:30,000
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-18:45:00,000;-53:30:00,000
-18:45:00,000;-53:26:15,000
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-18:30:00,000;-53:11:15,000

PAR-T-85

-18:35:00,000;-52:56:15,000
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-18:35:00,000;-53:00:00,000
-18:35:00,000;-52:56:15,000

PAR-T-86

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PAR-T-99

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PAR-T-100

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PAR-T-101

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PAR-T-102

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PAR-T-115

-19:42:30,000;-54:30:00,000
-19:42:30,000;-54:26:15,000
-19:37:30,000;-54:26:15,000
-19:37:30,000;-54:30:00,000
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PAR-T-116

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PAR-T-117 (MAIN)

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-19:30:00,000;-53:30:00,000
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PAR-T-117 (EXCLUSION)

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-19:45:00,000;-53:26:15,000
-19:50:00,000;-53:26:15,000
-19:50:00,000;-53:22:30,000
-19:45:00,000;-53:22:30,000

PAR-T-118

-19:30:00,000;-52:30:00,000
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-19:30:00,000;-53:00:00,000
-19:30:00,000;-52:30:00,000

PAR-T-119

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-20:00:00,000;-52:00:00,000
-20:00:00,000;-52:30:00,000
-19:30:00,000;-52:30:00,000
-19:30:00,000;-52:00:00,000

Basin of Parnaiba	-04:26:05,625;-44:49:52,076	-04:16:33,750;-44:47:11,250
<u>PN-T-46</u>	-04:25:56,250;-44:49:52,076	-04:16:33,750;-44:50:37,500
-04:30:00,000;-46:30:00,000	-04:25:46,875;-44:49:52,076	-04:17:48,750;-44:50:37,500
-04:10:00,000;-46:30:00,000	-04:25:37,500;-44:49:52,076	-04:17:48,750;-44:57:58,125
-04:10:00,000;-46:00:00,000	-04:25:28,125;-44:49:52,076	-04:26:52,500;-44:57:58,125
-04:30:00,000;-46:00:00,000	-04:25:18,750;-44:49:52,076	-04:26:52,500;-44:56:05,625
-04:30:00,000;-46:30:00,000	-04:25:09,375;-44:49:52,076	-04:26:53,865;-44:56:05,625
	-04:25:00,000;-44:49:52,076	-04:26:53,865;-44:55:56,250
<u>PN-T-49A</u>	-04:24:50,625;-44:49:52,076	-04:26:53,865;-44:55:46,875
-04:00:00,000;-44:57:39,375	-04:24:41,250;-44:49:52,076	-04:26:53,865;-44:55:37,500
-04:00:00,000;-44:30:00,000	-04:24:31,875;-44:49:52,076	-04:26:53,865;-44:55:28,125
-04:30:00,000;-44:30:00,000	-04:24:22,500;-44:49:52,076	-04:26:53,865;-44:55:18,750
-04:30:00,000;-44:30:09,375	-04:24:13,125;-44:49:52,076	-04:26:53,865;-44:55:09,375
-04:28:35,625;-44:30:09,375	-04:24:03,750;-44:49:52,076	-04:26:53,865;-44:55:00,000
-04:28:35,625;-44:30:28,125	-04:23:54,375;-44:49:52,076	-04:26:53,865;-44:54:50,625
-04:27:58,125;-44:30:28,125	-04:23:45,000;-44:49:52,076	-04:26:53,865;-44:54:41,250
-04:27:58,125;-44:31:52,500	-04:23:35,625;-44:49:52,076	-04:26:53,865;-44:54:31,875
-04:28:54,375;-44:31:52,500	-04:23:26,250;-44:49:52,076	-04:26:53,865;-44:54:22,500
-04:28:54,375;-44:31:33,750	-04:23:16,875;-44:49:52,076	-04:26:53,865;-44:54:13,125
-04:30:00,000;-44:31:33,750	-04:23:07,500;-44:49:52,076	-04:26:53,865;-44:54:03,750
-04:30:00,000;-44:37:39,375	-04:22:58,125;-44:49:52,076	-04:30:00,000;-44:54:03,750
-04:29:22,500;-44:37:39,375	-04:22:48,750;-44:49:52,076	-04:30:00,000;-45:00:00,000
-04:29:22,500;-44:37:58,125	-04:22:39,375;-44:49:52,076	-04:16:15,000;-45:00:00,000
-04:29:03,750;-44:37:58,125	-04:22:30,000;-44:49:52,076	-04:16:15,000;-44:55:18,750
-04:29:03,750;-44:38:26,250	-04:22:20,625;-44:49:52,076	-04:05:37,500;-44:55:18,750
-04:28:45,000;-44:38:26,250	-04:22:11,250;-44:49:52,076	-04:05:37,500;-44:57:39,375
-04:28:45,000;-44:38:54,375	-04:22:01,875;-44:49:52,076	-04:00:00,000;-44:57:39,375
-04:28:07,500;-44:38:54,375	-04:21:52,500;-44:49:52,076	
-04:28:07,500;-44:41:24,375	-04:21:43,125;-44:49:52,076	<u>PN-T-50</u>
-04:30:00,000;-44:41:24,375	-04:21:33,750;-44:49:52,076	-04:00:00,000;-44:00:00,000
-04:30:00,000;-44:47:20,625	-04:21:24,375;-44:49:52,076	-04:30:00,000;-44:00:00,000
-04:26:52,500;-44:47:20,625	-04:21:15,000;-44:49:52,076	-04:30:00,000;-44:30:00,000
-04:26:52,500;-44:49:52,076	-04:21:15,000;-44:44:03,750	-04:00:00,000;-44:30:00,000
-04:26:43,125;-44:49:52,076	-04:19:03,750;-44:44:03,750	-04:00:00,000;-44:00:00,000
-04:26:33,750;-44:49:52,076	-04:19:03,750;-44:45:28,125	
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-04:26:15,000;-44:49:52,076	-04:17:30,000;-44:47:11,250	-04:00:00,000;-43:37:30,000

-04:05:00,000;-43:37:30,000	-05:07:48,750;-44:38:45,000	-06:00:01,402;-46:05:29,615
-04:05:00,000;-43:30:00,000	-05:13:16,875;-44:38:45,000	-06:00:01,402;-46:05:38,990
-04:30:00,000;-43:30:00,000	-05:13:16,875;-44:40:28,125	-06:00:01,402;-46:05:48,365
-04:30:00,000;-44:00:00,000	-05:24:13,125;-44:40:28,125	-06:00:01,402;-46:05:57,740
-04:00:00,000;-44:00:00,000	-05:24:13,125;-44:51:43,125	-06:00:01,402;-46:06:07,116
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PN-T-51 (EXCLUSION)	-05:30:00,000;-45:00:00,000	-06:00:01,402;-46:06:25,866
-04:26:24,375;-43:51:24,375	-05:00:00,000;-45:00:00,000	-06:00:01,402;-46:06:35,241
-04:26:24,375;-43:53:26,250	-05:00:00,000;-44:46:33,750	-06:00:01,402;-46:06:44,616
-04:27:48,750;-43:53:26,250		-06:00:01,402;-46:06:53,991
-04:27:48,750;-43:51:24,375	<u>PN-T-88</u>	-06:00:01,402;-46:07:03,366
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PN-T-51 (EXCLUSION)	-05:30:00,000;-43:00:00,000	-06:00:01,402;-46:07:22,116
-04:23:54,375;-43:49:41,250	-05:30:00,000;-43:30:00,000	-06:00:01,402;-46:07:31,491
-04:23:54,375;-43:51:05,625	-05:00:00,000;-43:30:00,000	-06:00:01,402;-46:07:40,866
-04:25:09,375;-43:51:05,625	-05:00:00,000;-43:00:00,000	-06:00:01,402;-46:07:50,241
-04:25:09,375;-43:49:41,250		-06:00:01,402;-46:07:59,616
-04:23:54,375;-43:49:41,250	<u>PN-T-98 (MAIN)</u>	-06:00:01,402;-46:08:08,992
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<u>PN-T-70</u>	-05:47:30,000;-46:15:00,000	-06:00:01,402;-46:08:27,742
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-05:00:00,000;-43:30:00,000	-05:57:30,000;-46:00:00,000	-06:00:01,402;-46:08:55,867
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-04:30:00,000;-43:00:00,000	-06:00:00,000;-46:03:45,000	-06:00:01,402;-46:09:14,617
	-06:00:00,000;-46:03:46,489	-06:00:01,402;-46:09:23,992
<u>PN-T-85A</u>	-06:00:01,402;-46:03:46,489	-06:00:01,402;-46:09:33,367
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-05:01:05,625;-44:46:33,750	-06:00:01,402;-46:04:05,240	-06:00:01,402;-46:09:52,117
-05:01:05,625;-44:38:54,375	-06:00:01,402;-46:04:14,615	-06:00:01,402;-46:10:01,492
-05:02:30,000;-44:38:54,375	-06:00:01,402;-46:04:23,990	-06:00:01,402;-46:10:10,867
-05:02:30,000;-44:34:41,250	-06:00:01,402;-46:04:33,365	-06:00:01,402;-46:10:20,243
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-05:02:58,125;-44:33:16,875	-06:00:01,402;-46:04:52,115	-06:00:01,402;-46:10:38,993
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-05:05:18,750;-44:30:00,000	-06:00:01,402;-46:05:10,865	-06:00:01,402;-46:10:57,743
-05:07:48,750;-44:30:00,000	-06:00:01,402;-46:05:20,240	-06:00:01,402;-46:11:07,118

-06:00:01,402;-46:11:16,493	-06:00:01,401;-46:17:03,371	-06:00:01,401;-46:22:50,248
-06:00:01,402;-46:11:25,868	-06:00:01,401;-46:17:12,746	-06:00:01,401;-46:22:59,623
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-06:00:01,402;-46:11:44,618	-06:00:01,401;-46:17:31,496	-06:00:01,401;-46:23:18,374
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-06:00:01,402;-46:12:03,368	-06:00:01,401;-46:17:50,246	-06:00:01,401;-46:23:37,124
-06:00:01,402;-46:12:12,743	-06:00:01,401;-46:17:59,621	-06:00:01,401;-46:23:46,499
-06:00:01,402;-46:12:22,118	-06:00:01,401;-46:18:08,996	-06:00:01,401;-46:23:55,874
-06:00:01,402;-46:12:31,494	-06:00:01,401;-46:18:18,371	-06:00:01,401;-46:24:05,249
-06:00:01,402;-46:12:40,869	-06:00:01,401;-46:18:27,746	-06:00:01,401;-46:24:14,624
-06:00:01,401;-46:12:50,244	-06:00:01,401;-46:18:37,121	-06:00:01,401;-46:24:23,999
-06:00:01,401;-46:12:59,619	-06:00:01,401;-46:18:46,496	-06:00:01,401;-46:24:33,374
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-06:00:01,401;-46:13:18,369	-06:00:01,401;-46:19:05,247	-06:00:01,401;-46:24:52,124
-06:00:01,401;-46:13:27,744	-06:00:01,401;-46:19:14,622	-06:00:01,401;-46:25:01,499
-06:00:01,401;-46:13:37,119	-06:00:01,401;-46:19:23,997	-06:00:01,401;-46:25:10,874
-06:00:01,401;-46:13:46,494	-06:00:01,401;-46:19:33,372	-06:00:01,401;-46:25:20,250
-06:00:01,401;-46:13:55,869	-06:00:01,401;-46:19:42,747	-06:00:01,401;-46:25:29,625
-06:00:01,401;-46:14:05,244	-06:00:01,401;-46:19:52,122	-06:00:01,401;-46:25:39,000
-06:00:01,401;-46:14:14,619	-06:00:01,401;-46:20:01,497	-06:00:01,401;-46:25:48,375
-06:00:01,401;-46:14:23,994	-06:00:01,401;-46:20:10,872	-06:00:01,401;-46:25:57,750
-06:00:01,401;-46:14:33,370	-06:00:01,401;-46:20:20,247	-06:00:01,401;-46:26:07,125
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-06:00:01,401;-46:15:10,870	-06:00:01,401;-46:20:57,747	-06:00:01,401;-46:26:44,625
-06:00:01,401;-46:15:20,245	-06:00:01,401;-46:21:07,123	-06:00:01,401;-46:26:54,000
-06:00:01,401;-46:15:29,620	-06:00:01,401;-46:21:16,498	-06:00:01,401;-46:27:03,375
-06:00:01,401;-46:15:38,995	-06:00:01,401;-46:21:25,873	-06:00:01,401;-46:27:12,750
-06:00:01,401;-46:15:48,370	-06:00:01,401;-46:21:35,248	-06:00:01,401;-46:27:22,125
-06:00:01,401;-46:15:57,745	-06:00:01,401;-46:21:44,623	-06:00:01,401;-46:27:31,501
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-06:00:01,401;-46:16:25,870	-06:00:01,401;-46:22:12,748	-06:00:01,401;-46:27:59,626
-06:00:01,401;-46:16:35,245	-06:00:01,401;-46:22:22,123	-06:00:01,401;-46:28:09,001
-06:00:01,401;-46:16:44,621	-06:00:01,401;-46:22:31,498	-06:00:01,401;-46:28:18,376
-06:00:01,401;-46:16:53,996	-06:00:01,401;-46:22:40,873	-06:00:01,401;-46:28:27,751

-06:00:01,401;-46:28:37,126	-06:00:00,000;-43:30:00,000	-06:04:42,653;-46:30:01,502
-06:00:01,401;-46:28:46,501	-05:30:00,000;-43:30:00,000	-06:04:52,028;-46:30:01,502
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-06:00:01,401;-46:29:24,001	-06:00:00,000;-46:30:00,000	-06:05:29,528;-46:30:01,502
-06:00:01,401;-46:29:33,376	-06:00:01,401;-46:30:00,000	-06:05:38,903;-46:30:01,502
-06:00:01,401;-46:29:42,752	-06:00:01,401;-46:30:01,502	-06:05:48,278;-46:30:01,502
-06:00:01,401;-46:29:52,127	-06:00:10,776;-46:30:01,502	-06:05:57,653;-46:30:01,502
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-05:47:30,000;-46:30:00,000	-06:00:29,526;-46:30:01,502	-06:06:16,403;-46:30:01,502
	-06:00:38,901;-46:30:01,502	-06:06:25,778;-46:30:01,502
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	-06:01:44,526;-46:30:01,502	-06:07:31,404;-46:30:01,502
<u>PN-T-100</u>	-06:01:53,901;-46:30:01,502	-06:07:40,779;-46:30:01,502
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PN-T-147

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PN-T-148

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PN-T-164

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PN-T-105

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PN-T-120

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PN-T-121

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PN-T-135

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PN-T-152

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PN-T-153

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PN-T-167

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PN-T-169

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PN-T-183

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Basin of Pelotas**P-M-1658**

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P-M-1866

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P-M-1868

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P-M-1502

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P-M-1806

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P-M-1807

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Basin of Pernambuco-Paraíba**PEPB-M-731**

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-07:59:41,250;-34:15:01,133	-07:54:13,125;-34:15:01,133	-07:48:26,250;-34:15:01,133
-07:59:31,875;-34:15:01,133	-07:54:03,750;-34:15:01,133	-07:48:16,875;-34:15:01,133
-07:59:22,500;-34:15:01,133	-07:53:54,375;-34:15:01,133	-07:48:07,500;-34:15:01,133
-07:59:13,125;-34:15:01,133	-07:53:45,000;-34:15:01,133	-07:47:58,125;-34:15:01,133
-07:59:03,750;-34:15:01,133	-07:53:35,625;-34:15:01,133	-07:47:48,750;-34:15:01,133
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-07:57:11,250;-34:15:01,133	-07:51:43,125;-34:15:01,133	-07:45:56,250;-34:15:01,132
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PEPB-M-843

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PEPB-M-898

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-08:44:03,750;-34:15:01,135	-08:38:35,625;-34:15:01,135	-08:32:48,750;-34:15:01,135
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PEPB-M-900

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Bacia Potiguar (offshore)	-03:50:38,861;-37:05:10,591	-03:47:21,985;-37:07:40,592
<u>POT-M -571</u>	-03:50:29,486;-37:05:10,591	-03:47:21,985;-37:07:49,967
-03:53:18,238;-37:02:21,840	-03:50:20,111;-37:05:10,591	-03:47:21,985;-37:07:59,342
-03:53:08,863;-37:02:21,840	-03:50:10,736;-37:05:10,591	-03:47:21,985;-37:08:08,718
-03:52:59,487;-37:02:21,840	-03:50:01,361;-37:05:10,591	-03:47:21,985;-37:08:18,093
-03:52:50,112;-37:02:21,840	-03:49:51,986;-37:05:10,591	-03:47:21,985;-37:08:27,468
-03:52:40,737;-37:02:21,840	-03:49:42,611;-37:05:10,591	-03:47:21,985;-37:08:36,843
-03:52:31,362;-37:02:21,840	-03:49:33,236;-37:05:10,591	-03:47:21,985;-37:08:46,218
-03:52:21,987;-37:02:21,840	-03:49:23,861;-37:05:10,591	-03:47:21,985;-37:08:55,593
-03:52:12,612;-37:02:21,840	-03:49:14,486;-37:05:10,591	-03:47:21,985;-37:09:04,968
-03:52:03,237;-37:02:21,840	-03:49:05,110;-37:05:10,591	-03:47:21,985;-37:09:14,343
-03:51:53,862;-37:02:21,840	-03:48:55,735;-37:05:10,591	-03:47:21,985;-37:09:23,718
-03:51:44,487;-37:02:21,840	-03:48:46,360;-37:05:10,591	-03:47:21,985;-37:09:33,093
-03:51:35,112;-37:02:21,840	-03:48:36,985;-37:05:10,591	-03:47:21,985;-37:09:42,468
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-03:51:35,112;-37:02:40,590	-03:48:18,235;-37:05:10,591	-03:47:21,985;-37:10:01,219
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-03:50:20,111;-37:30:01,229	-04:06:43,125;-37:22:11,250	-04:00:01,366;-37:17:01,875
-03:50:29,486;-37:30:01,229	-04:06:43,125;-37:22:30,000	-04:00:01,366;-37:16:52,500
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-03:51:35,111;-37:30:01,229	-04:00:01,365;-37:21:33,750	-04:00:01,366;-37:15:46,875
-03:51:44,486;-37:30:01,229	-04:00:01,365;-37:21:24,375	-04:00:01,366;-37:15:37,500
-03:51:53,861;-37:30:01,229	-04:00:01,365;-37:21:15,000	-04:00:01,366;-37:15:28,125
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-04:33:45,000;-37:41:15,000
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-04:34:22,500;-37:42:11,250
-04:34:22,500;-37:41:15,000
-04:35:00,000;-37:41:15,000
-04:35:00,000;-37:45:00,000
-04:32:30,000;-37:45:00,000

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-04:33:07,500;-37:40:28,125
-04:33:26,250;-37:40:28,125
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-04:33:45,000;-37:39:50,625
-04:34:13,125;-37:39:50,625
-04:34:13,125;-37:39:31,875
-04:34:22,500;-37:39:31,875
-04:34:22,500;-37:39:22,500
-04:34:31,875;-37:39:22,500
-04:34:31,875;-37:39:13,125
-04:34:41,250;-37:39:13,125
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-04:35:00,000;-37:39:03,750
-04:35:00,000;-37:41:15,000
-04:32:30,000;-37:41:15,000
-04:32:30,000;-37:40:56,250

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-04:37:30,000;-37:45:00,000

-04:35:00,000;-37:45:00,000

-04:35:00,000;-37:41:15,000

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-04:35:00,000;-37:38:45,000
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-04:35:09,375;-37:38:35,625
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-04:35:28,125;-37:38:26,250
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-04:35:37,500;-37:37:58,125
-04:35:46,875;-37:37:58,125
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-04:35:56,250;-37:37:48,750
-04:35:56,250;-37:37:39,375
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-04:37:30,000;-37:37:30,000
-04:37:30,000;-37:41:15,000
-04:35:00,000;-37:41:15,000
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-04:40:00,000;-37:45:00,000
-04:37:30,000;-37:45:00,000
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-04:37:30,000;-37:41:15,000

-04:37:30,000;-37:37:30,000

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-04:37:30,000;-37:37:30,000
-04:37:30,000;-37:35:46,875

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-04:42:30,000;-37:41:15,000
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-04:40:00,000;-37:45:00,000
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-04:42:30,000;-37:41:15,000
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-04:45:00,000;-37:41:15,000
-04:45:00,000;-37:45:00,000
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-04:43:26,250;-37:38:46,235
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-04:44:42,637;-37:39:23,735
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-05:04:50,625;-36:01:05,625
-05:04:50,625;-36:01:24,375
-05:05:00,000;-36:01:24,375
-05:05:00,000;-36:03:45,000
-05:03:54,375;-36:03:45,000
-05:03:54,375;-36:03:16,875

-05:03:45,000;-36:03:16,875
-05:03:45,000;-36:02:48,750
-05:03:35,625;-36:02:48,750

POT-T-353

-05:05:00,000;-36:56:15,000
-05:07:30,000;-36:56:15,000
-05:07:30,000;-37:00:00,000
-05:05:00,000;-37:00:00,000
-05:05:00,000;-36:56:15,000

POT-T-354

-05:05:00,000;-36:52:30,000
-05:07:30,000;-36:52:30,000
-05:07:30,000;-36:56:15,000
-05:05:00,000;-36:56:15,000
-05:05:00,000;-36:52:30,000

POT-T-355

-05:05:00,000;-36:48:45,000
-05:05:48,274;-36:48:45,000
-05:05:48,274;-36:48:46,209
-05:05:57,649;-36:48:46,209
-05:06:07,024;-36:48:46,209
-05:06:16,399;-36:48:46,209
-05:06:25,774;-36:48:46,209
-05:06:35,149;-36:48:46,209
-05:06:44,524;-36:48:46,209
-05:06:53,899;-36:48:46,209
-05:07:03,274;-36:48:46,209
-05:07:12,649;-36:48:46,209
-05:07:22,024;-36:48:46,209
-05:07:30,000;-36:48:46,209
-05:07:30,000;-36:52:30,000
-05:05:00,000;-36:52:30,000
-05:05:00,000;-36:48:45,000

POT-T-366

-05:05:37,500;-36:07:30,000
-05:07:30,000;-36:07:30,000
-05:07:30,000;-36:11:15,000
-05:05:56,250;-36:11:15,000
-05:05:56,250;-36:08:45,000
-05:05:46,875;-36:08:45,000
-05:05:46,875;-36:07:48,750
-05:05:37,500;-36:07:48,750
-05:05:37,500;-36:07:30,000

POT-T-367

-05:05:18,750;-36:06:33,750
-05:05:09,375;-36:06:33,750
-05:05:09,375;-36:06:24,375
-05:05:00,000;-36:06:24,375
-05:05:00,000;-36:03:45,000
-05:07:30,000;-36:03:45,000
-05:07:30,000;-36:07:30,000
-05:05:37,500;-36:07:30,000
-05:05:37,500;-36:07:11,250
-05:05:28,125;-36:07:11,250
-05:05:28,125;-36:06:52,500
-05:05:18,750;-36:06:52,500
-05:05:18,750;-36:06:33,750

POT-T-368

-05:05:00,000;-36:01:33,750
-05:06:15,000;-36:01:33,750
-05:06:15,000;-36:01:05,625
-05:05:00,000;-36:01:05,625
-05:05:00,000;-36:00:00,000
-05:07:30,000;-36:00:00,000
-05:07:30,000;-36:03:45,000
-05:05:00,000;-36:03:45,000
-05:05:00,000;-36:01:33,750

POT-T-393

-05:07:30,000;-36:56:15,000
-05:10:00,000;-36:56:15,000
-05:10:00,000;-37:00:00,000
-05:07:30,000;-37:00:00,000
-05:07:30,000;-36:56:15,000

POT-T-394

-05:07:30,000;-36:52:30,000
-05:10:00,000;-36:52:30,000
-05:10:00,000;-36:56:15,000
-05:07:30,000;-36:56:15,000
-05:07:30,000;-36:52:30,000

POT-T-395

-05:07:30,000;-36:48:46,209
-05:07:31,399;-36:48:46,209
-05:07:31,399;-36:48:45,000
-05:10:00,000;-36:48:45,000
-05:10:00,000;-36:52:30,000
-05:07:30,000;-36:52:30,000
-05:07:30,000;-36:48:46,209

POT-T-396

-05:07:31,399;-36:47:40,584
-05:07:30,000;-36:47:40,584
-05:07:30,000;-36:45:00,000
-05:10:00,000;-36:45:00,000
-05:10:00,000;-36:48:45,000
-05:07:31,399;-36:48:45,000
-05:07:31,399;-36:48:35,625
-05:07:31,399;-36:48:26,250
-05:07:31,399;-36:48:16,875
-05:07:31,399;-36:48:07,500
-05:07:31,399;-36:47:58,125
-05:07:31,399;-36:47:48,750
-05:07:31,399;-36:47:40,584

POT-T-403

-05:07:30,000;-36:22:31,195
-05:07:30,000;-36:18:45,000
-05:10:00,000;-36:18:45,000
-05:10:00,000;-36:22:31,196
-05:09:50,625;-36:22:31,196
-05:09:41,250;-36:22:31,196
-05:09:31,875;-36:22:31,196
-05:09:22,500;-36:22:31,196
-05:09:13,125;-36:22:31,196
-05:09:03,750;-36:22:31,196
-05:08:54,375;-36:22:31,196
-05:08:45,000;-36:22:31,195
-05:08:35,625;-36:22:31,195

-05:08:26,250;-36:22:31,195
-05:08:16,875;-36:22:31,195
-05:08:07,500;-36:22:31,195
-05:07:58,125;-36:22:31,195
-05:07:48,750;-36:22:31,195
-05:07:39,375;-36:22:31,195
-05:07:30,000;-36:22:31,195

POT-T-404

-05:07:30,000;-36:15:00,000
-05:10:00,000;-36:15:00,000
-05:10:00,000;-36:18:45,000
-05:07:30,000;-36:18:45,000
-05:07:30,000;-36:15:00,000

POT-T-406

-05:07:30,000;-36:07:30,000
-05:10:00,000;-36:07:30,000
-05:10:00,000;-36:11:15,000
-05:07:30,000;-36:11:15,000
-05:07:30,000;-36:07:30,000

POT-T-407

-05:07:30,000;-36:03:45,000
-05:10:00,000;-36:03:45,000
-05:10:00,000;-36:07:30,000
-05:07:30,000;-36:07:30,000
-05:07:30,000;-36:03:45,000

POT-T-408

-05:07:30,000;-36:00:00,000
-05:10:00,000;-36:00:00,000
-05:10:00,000;-36:03:45,000
-05:07:30,000;-36:03:45,000
-05:07:30,000;-36:00:00,000

POT-T-435

-05:10:00,000;-36:56:15,000
-05:12:03,276;-36:56:15,000
-05:12:03,276;-36:56:16,214
-05:12:12,651;-36:56:16,214
-05:12:22,027;-36:56:16,214
-05:12:31,402;-36:56:16,214
-05:12:31,402;-36:56:25,589
-05:12:31,402;-36:56:34,964
-05:12:31,402;-36:56:44,339
-05:12:31,402;-36:56:53,714
-05:12:31,402;-36:57:03,089
-05:12:31,402;-36:57:12,464
-05:12:31,402;-36:57:21,839
-05:12:31,402;-36:57:31,214
-05:12:31,402;-36:57:40,589
-05:12:31,402;-36:57:49,964
-05:12:31,402;-36:57:59,339
-05:12:31,402;-36:58:08,715
-05:12:31,402;-36:58:18,090
-05:12:40,777;-36:58:18,090
-05:12:50,152;-36:58:18,090
-05:12:59,527;-36:58:18,090

-05:13:08,902;-36:58:18,090	-05:11:35,151;-36:54:14,337	-05:11:15,000;-36:52:31,212
-05:13:18,277;-36:58:18,090	-05:11:44,526;-36:54:14,337	-05:11:05,625;-36:52:31,212
-05:13:27,652;-36:58:18,090	-05:11:53,901;-36:54:14,337	-05:10:57,651;-36:52:31,212
-05:13:27,652;-36:58:27,465	-05:12:03,276;-36:54:14,337	-05:10:57,651;-36:52:30,000
-05:13:27,652;-36:58:36,840	-05:12:03,276;-36:54:23,713	-05:10:00,000;-36:52:30,000
-05:13:27,652;-36:58:46,215	-05:12:03,276;-36:54:33,088	-05:10:00,000;-36:48:45,000
-05:13:27,652;-36:58:55,590	-05:12:03,276;-36:54:42,463	
-05:13:27,652;-36:59:04,965	-05:12:03,276;-36:54:51,838	<u>POT-T-439</u>
-05:13:27,652;-36:59:14,340	-05:12:03,276;-36:55:01,213	-05:10:00,000;-36:41:15,000
-05:13:27,652;-36:59:23,715	-05:12:03,276;-36:55:10,588	-05:12:31,402;-36:41:15,000
-05:13:27,652;-36:59:33,090	-05:12:03,276;-36:55:19,963	-05:12:31,402;-36:41:16,206
-05:13:27,652;-36:59:42,465	-05:12:03,276;-36:55:29,338	-05:12:30,000;-36:41:16,206
-05:13:27,652;-36:59:51,841	-05:12:03,276;-36:55:38,713	-05:12:30,000;-36:41:52,500
-05:13:27,652;-37:00:01,216	-05:12:03,276;-36:55:48,088	-05:12:31,402;-36:41:52,500
-05:13:18,277;-37:00:01,216	-05:12:03,276;-36:55:57,463	-05:12:31,402;-36:42:01,875
-05:13:07,500;-37:00:01,216	-05:12:03,276;-36:56:06,838	-05:12:31,402;-36:42:11,250
-05:13:07,500;-37:00:00,000	-05:12:03,276;-36:56:15,000	-05:12:31,402;-36:42:20,625
-05:10:00,000;-37:00:00,000	-05:10:00,000;-36:56:15,000	-05:12:31,402;-36:42:30,000
-05:10:00,000;-36:56:15,000	-05:10:00,000;-36:52:30,000	-05:12:31,402;-36:42:39,375
		-05:12:31,402;-36:42:48,750
<u>POT-T-436</u>	<u>POT-T-437</u>	-05:12:31,402;-36:42:58,125
-05:10:00,000;-36:52:30,000	-05:10:00,000;-36:48:45,000	-05:12:31,402;-36:43:07,500
-05:10:57,651;-36:52:30,000	-05:13:26,250;-36:48:45,000	-05:12:31,402;-36:43:16,875
-05:10:57,651;-36:52:39,375	-05:13:26,250;-36:50:28,125	-05:12:31,402;-36:43:26,250
-05:10:57,651;-36:52:48,750	-05:13:07,500;-36:50:28,125	-05:12:31,402;-36:43:35,625
-05:10:57,651;-36:52:58,125	-05:13:07,500;-36:51:05,625	-05:12:31,402;-36:43:45,000
-05:10:57,651;-36:53:07,500	-05:12:48,750;-36:51:05,625	-05:12:31,402;-36:43:54,375
-05:10:57,651;-36:53:16,875	-05:12:48,750;-36:51:43,125	-05:12:31,402;-36:44:03,750
-05:10:57,651;-36:53:26,250	-05:12:30,000;-36:51:43,125	-05:12:31,402;-36:44:13,125
-05:10:57,651;-36:53:35,625	-05:12:30,000;-36:52:31,212	-05:12:31,402;-36:44:23,707
-05:10:57,651;-36:53:45,000	-05:12:20,625;-36:52:31,212	-05:12:40,777;-36:44:23,707
-05:10:57,651;-36:53:54,375	-05:12:11,250;-36:52:31,212	-05:12:50,152;-36:44:23,707
-05:10:57,651;-36:54:03,750	-05:12:01,875;-36:52:31,212	-05:12:59,527;-36:44:23,707
-05:10:57,651;-36:54:14,337	-05:11:52,500;-36:52:31,212	-05:13:08,902;-36:44:23,707
-05:11:07,026;-36:54:14,337	-05:11:43,125;-36:52:31,212	-05:13:08,902;-36:44:33,082
-05:11:16,401;-36:54:14,337	-05:11:33,750;-36:52:31,212	-05:13:08,902;-36:44:42,457
-05:11:25,776;-36:54:14,337	-05:11:24,375;-36:52:31,212	-05:13:08,902;-36:44:51,833

-05:13:08,902;-36:45:00,000
-05:10:00,000;-36:45:00,000
-05:10:00,000;-36:41:15,000

POT-T-440

-05:10:00,000;-36:37:30,000
-05:10:56,250;-36:37:30,000
-05:10:56,250;-36:37:31,204
-05:10:57,651;-36:37:31,204
-05:10:57,651;-36:37:40,579
-05:10:57,651;-36:37:49,954
-05:10:57,651;-36:37:59,329
-05:10:57,651;-36:38:08,704
-05:10:57,651;-36:38:18,079
-05:10:57,651;-36:38:27,454
-05:10:57,651;-36:38:36,829
-05:10:57,651;-36:38:46,204
-05:10:57,651;-36:38:55,579
-05:10:57,651;-36:39:04,954
-05:10:57,651;-36:39:14,329
-05:10:57,651;-36:39:23,705
-05:10:57,651;-36:39:33,080
-05:10:57,651;-36:39:42,455
-05:10:57,651;-36:39:51,830
-05:10:57,651;-36:40:01,205
-05:10:57,651;-36:40:10,580
-05:10:57,651;-36:40:19,955
-05:10:57,651;-36:40:29,330
-05:10:57,651;-36:40:38,705
-05:10:57,651;-36:40:48,080
-05:10:57,651;-36:40:57,455
-05:10:57,651;-36:41:06,830
-05:10:57,651;-36:41:15,000
-05:10:00,000;-36:41:15,000
-05:10:00,000;-36:37:30,000

POT-T-441

-05:10:00,000;-36:33:45,000
-05:12:30,000;-36:33:45,000
-05:12:30,000;-36:37:31,204
-05:12:20,625;-36:37:31,204
-05:12:11,250;-36:37:31,204
-05:12:01,875;-36:37:31,204
-05:11:52,500;-36:37:31,204
-05:11:43,125;-36:37:31,204
-05:11:33,750;-36:37:31,204
-05:11:24,375;-36:37:31,204
-05:11:15,000;-36:37:31,204
-05:11:05,625;-36:37:31,204
-05:10:56,250;-36:37:31,204
-05:10:56,250;-36:37:30,000
-05:10:00,000;-36:37:30,000
-05:10:00,000;-36:33:45,000

POT-T-442

-05:10:00,000;-36:30:01,200
-05:10:09,375;-36:30:01,200
-05:10:18,750;-36:30:01,200
-05:10:28,125;-36:30:01,200
-05:10:37,500;-36:30:01,200
-05:10:46,875;-36:30:01,200
-05:10:56,250;-36:30:01,200
-05:11:05,625;-36:30:01,200
-05:11:15,000;-36:30:01,200
-05:11:24,375;-36:30:01,200
-05:11:33,750;-36:30:01,200
-05:11:43,125;-36:30:01,200
-05:11:52,500;-36:30:01,200
-05:12:01,875;-36:30:01,200
-05:12:11,250;-36:30:01,200
-05:12:20,625;-36:30:01,200
-05:12:31,402;-36:30:01,200
-05:12:31,402;-36:30:10,575

-05:12:31,402;-36:30:19,950
-05:12:31,402;-36:30:29,325
-05:12:31,402;-36:30:38,700
-05:12:31,402;-36:30:48,075
-05:12:31,402;-36:30:57,450
-05:12:31,402;-36:31:06,825
-05:12:31,402;-36:31:16,200
-05:12:40,777;-36:31:16,200
-05:12:50,153;-36:31:16,200
-05:12:59,528;-36:31:16,200
-05:13:08,903;-36:31:16,200
-05:13:08,903;-36:31:25,575
-05:13:08,903;-36:31:34,950
-05:13:08,903;-36:31:44,326
-05:13:08,903;-36:31:53,701
-05:13:08,903;-36:32:03,076
-05:13:08,903;-36:32:12,451
-05:13:08,903;-36:32:21,826
-05:13:08,903;-36:32:31,201
-05:13:08,903;-36:32:40,576
-05:13:08,903;-36:32:49,951
-05:13:08,903;-36:32:59,326
-05:13:08,903;-36:33:08,701
-05:13:18,278;-36:33:08,701
-05:13:27,653;-36:33:08,701
-05:13:37,028;-36:33:08,701
-05:13:46,403;-36:33:08,701
-05:13:46,403;-36:33:18,076
-05:13:46,403;-36:33:27,451
-05:13:46,403;-36:33:36,827
-05:13:46,403;-36:33:45,000
-05:10:00,000;-36:33:45,000
-05:10:00,000;-36:30:01,200

POT-T-445
-05:10:00,000;-36:18:45,000
-05:12:30,000;-36:18:45,000

-05:12:30,000;-36:22:03,070	<u>POT-T-446</u>	-05:12:30,000;-36:41:52,500
-05:12:20,625;-36:22:03,070	-05:10:00,000;-36:15:00,000	-05:12:30,000;-36:41:16,206
-05:12:12,653;-36:22:03,070	-05:12:30,000;-36:15:00,000	-05:12:39,375;-36:41:16,206
-05:12:12,653;-36:21:53,695	-05:12:30,000;-36:18:45,000	-05:12:48,750;-36:41:16,206
-05:12:12,653;-36:21:44,320	-05:10:00,000;-36:18:45,000	-05:12:58,125;-36:41:16,206
-05:12:12,653;-36:21:34,945	-05:10:00,000;-36:15:00,000	-05:13:07,500;-36:41:16,206
-05:12:03,277;-36:21:34,945		-05:13:16,875;-36:41:16,206
-05:11:53,902;-36:21:34,945	<u>POT-T-447</u>	-05:13:26,250;-36:41:16,206
-05:11:44,527;-36:21:34,945	-05:10:00,000;-36:11:15,000	-05:13:35,625;-36:41:16,206
-05:11:35,152;-36:21:34,945	-05:12:30,000;-36:11:15,000	-05:13:46,403;-36:41:16,206
-05:11:25,777;-36:21:34,945	-05:12:30,000;-36:15:00,000	-05:13:46,403;-36:41:15,000
-05:11:25,777;-36:21:44,320	-05:10:00,000;-36:15:00,000	-05:15:00,000;-36:41:15,000
-05:11:25,777;-36:21:53,695	-05:10:00,000;-36:11:15,000	-05:15:00,000;-36:43:46,207
-05:11:25,777;-36:22:03,070		-05:14:50,625;-36:43:46,207
-05:11:25,777;-36:22:12,445	<u>POT-T-448</u>	-05:14:41,250;-36:43:46,207
-05:11:25,777;-36:22:21,820	-05:10:00,000;-36:07:30,000	-05:14:31,875;-36:43:46,207
-05:11:25,777;-36:22:31,196	-05:12:30,000;-36:07:30,000	-05:14:23,903;-36:43:46,207
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-12:33:18,472;-38:14:23,780	-12:35:39,097;-38:22:31,284	-12:37:12,848;-38:26:06,912
-12:33:18,472;-38:14:33,155	-12:35:48,472;-38:22:31,285	-12:37:12,848;-38:26:15,000
-12:33:18,472;-38:14:42,530	-12:35:57,847;-38:22:31,285	-12:36:25,972;-38:26:15,000
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-12:33:09,097;-38:15:00,000	-12:36:25,973;-38:22:31,285	-12:36:25,972;-38:25:46,875
-12:32:31,597;-38:15:00,000	-12:36:35,348;-38:22:31,285	-12:36:25,972;-38:25:37,500
-12:32:31,597;-38:14:50,625	-12:36:44,723;-38:22:31,285	-12:36:25,972;-38:25:29,411
-12:32:31,597;-38:14:41,250	-12:36:54,098;-38:22:31,285	-12:36:16,597;-38:25:29,411

-12:36:07,222;-38:25:29,411	-12:36:35,348;-38:22:59,410	-12:35:01,598;-38:14:42,530
-12:36:07,222;-38:25:20,036	-12:36:25,973;-38:22:59,410	-12:35:00,000;-38:14:42,530
-12:35:57,847;-38:25:20,036	-12:36:16,598;-38:22:59,410	-12:35:00,000;-38:11:15,000
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-12:35:39,097;-38:25:20,036	-12:36:07,223;-38:22:50,035	<u>REC-T-256</u>
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-12:35:29,722;-38:25:10,661	-12:35:57,847;-38:22:40,660	-12:40:00,000;-38:11:15,000
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-12:35:10,972;-38:24:51,911	-12:35:20,347;-38:22:40,660	-12:39:31,875;-38:15:01,281
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-12:35:10,972;-38:24:33,161	-12:35:10,972;-38:22:50,035	-12:39:13,125;-38:15:01,281
-12:35:10,972;-38:24:23,785	-12:35:00,000;-38:22:50,035	-12:39:03,750;-38:15:01,281
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-12:35:57,847;-38:24:05,035	-12:37:20,625;-38:15:01,281	-12:37:58,125;-38:15:01,281
-12:36:07,222;-38:24:05,035	-12:37:11,250;-38:15:01,281	-12:37:48,750;-38:15:01,281
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-12:36:25,973;-38:24:05,035	-12:36:52,500;-38:15:01,281	-12:37:30,000;-38:15:01,281
-12:36:25,973;-38:23:55,660	-12:36:43,125;-38:15:01,281	-12:37:30,000;-38:11:15,000
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-12:36:35,348;-38:23:46,285	-12:36:24,375;-38:15:01,281	
-12:36:44,723;-38:23:46,285	-12:36:15,000;-38:15:01,281	
-12:36:44,723;-38:23:36,910	-12:36:05,625;-38:15:01,281	
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-12:37:03,473;-38:23:18,160	-12:35:29,723;-38:15:01,280	
-12:37:03,473;-38:23:08,785	-12:35:29,723;-38:14:51,905	
-12:36:54,098;-38:23:08,785	-12:35:20,348;-38:14:51,905	
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Basin of Santos**S-M-1229**

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-25:45:37,500;-41:51:52,500	-25:37:58,125;-41:46:15,000	-25:54:41,250;-41:59:03,750
-25:45:09,375;-41:51:52,500	-25:37:58,125;-41:45:56,250	-25:54:13,125;-41:59:03,750
-25:45:09,375;-41:51:33,750	-25:37:39,375;-41:45:56,250	-25:54:13,125;-41:58:45,000
-25:44:41,250;-41:51:33,750	-25:37:39,375;-41:45:37,500	-25:53:54,375;-41:58:45,000

-25:53:54,375;-41:58:26,250	-26:44:31,875;-44:21:33,750	-26:42:01,875;-44:05:09,375
-25:53:26,250;-41:58:26,250	-26:44:22,500;-44:21:33,750	-26:42:01,875;-44:04:03,750
-25:53:26,250;-41:58:07,500	-26:44:22,500;-44:20:28,125	-26:41:52,500;-44:04:03,750
-25:53:07,500;-41:58:07,500	-26:44:13,125;-44:20:28,125	-26:41:52,500;-44:02:58,125
-25:53:07,500;-41:57:48,750	-26:44:13,125;-44:19:22,500	-26:41:43,125;-44:02:58,125
-25:52:39,375;-41:57:48,750	-26:44:03,750;-44:19:22,500	-26:41:43,125;-44:01:52,500
-25:52:39,375;-41:57:30,000	-26:44:03,750;-44:18:26,250	-26:41:33,750;-44:01:52,500
-25:52:20,625;-41:57:30,000	-26:43:54,375;-44:18:26,250	-26:41:33,750;-44:00:46,875
-25:52:20,625;-41:57:11,250	-26:43:54,375;-44:17:20,625	-26:41:24,375;-44:00:46,875
-25:51:52,500;-41:57:11,250	-26:43:45,000;-44:17:20,625	-26:41:24,375;-44:00:00,000
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-25:51:33,750;-41:56:33,750	-26:43:35,625;-44:15:00,000	-27:00:00,000;-43:52:30,000
-25:51:05,625;-41:56:33,750	-27:00:00,000;-44:15:00,000	-27:00:00,000;-44:15:00,000
-25:51:05,625;-41:56:15,000	-27:00:00,000;-44:30:00,000	-26:43:26,250;-44:15:00,000
-25:50:46,875;-41:56:15,000	-26:45:28,125;-44:30:00,000	-26:43:26,250;-44:13:54,375
-25:50:46,875;-41:55:56,250	-26:45:28,125;-44:28:35,625	-26:43:16,875;-44:13:54,375
-25:50:18,750;-41:55:56,250	-26:45:18,750;-44:28:35,625	
-25:50:18,750;-41:55:37,500	-26:45:18,750;-44:26:05,625	<u>S-M-225</u>
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	<u>S-M-1496</u>	-24:07:30,000;-44:07:30,000
<u>S-M-1008</u>	-26:43:16,875;-44:13:54,375	-24:07:30,000;-44:15:00,000
-26:00:00,000;-41:30:00,000	-26:43:16,875;-44:12:48,750	-24:00:00,000;-44:15:00,000
-26:00:00,000;-41:45:00,000	-26:43:07,500;-44:12:48,750	-24:00:00,000;-44:07:30,000
-25:45:00,000;-41:45:00,000	-26:43:07,500;-44:11:43,125	
-25:45:00,000;-41:30:00,000	-26:42:58,125;-44:11:43,125	<u>S-M-226</u>
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	-26:42:48,750;-44:10:37,500	-24:07:30,000;-44:00:00,000
<u>S-M-1494</u>	-26:42:48,750;-44:09:31,875	-24:07:30,000;-44:07:30,000
-26:45:18,750;-44:26:05,625	-26:42:39,375;-44:09:31,875	-24:00:00,000;-44:07:30,000
-26:45:00,000;-44:26:05,625	-26:42:39,375;-44:08:26,250	-24:00:00,000;-44:00:00,000
-26:45:00,000;-44:24:50,625	-26:42:30,000;-44:08:26,250	
-26:44:50,625;-44:24:50,625	-26:42:30,000;-44:07:20,625	<u>S-M-268</u>
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S-M-269

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S-M-270

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S-M-313

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S-M-314

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S-M-315

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S-M-359

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S-M-360

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S-M-969

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S-M-1161

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S-M-1162

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S-M-1163

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S-M-1164

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-26:22:30,000;-46:52:30,000		-26:25:20,557;-46:34:42,919
-26:22:30,000;-47:00:00,000	<u>S-M-1285</u>	-26:25:29,932;-46:34:42,919
	-26:30:00,000;-47:00:00,000	-26:25:39,307;-46:34:42,919
<u>S-M-1224</u>	-26:22:30,000;-47:00:00,000	-26:25:48,682;-46:34:42,919
-26:22:30,000;-46:52:30,000	-26:22:30,000;-46:52:30,000	-26:25:58,057;-46:34:42,919
-26:15:00,000;-46:52:30,000	-26:30:00,000;-46:52:30,000	-26:26:07,432;-46:34:42,919
-26:15:00,000;-46:45:00,000	-26:30:00,000;-47:00:00,000	-26:26:16,807;-46:34:42,919
-26:22:30,000;-46:45:00,000		-26:26:26,182;-46:34:42,919
-26:22:30,000;-46:52:30,000	<u>S-M-1287</u>	-26:26:35,557;-46:34:42,919
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<u>S-M-1225</u>	-26:22:30,000;-46:45:00,000	-26:26:54,307;-46:34:42,919
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-26:22:30,000;-46:37:30,000		-26:27:31,807;-46:34:42,920
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-26:48:56,184;-46:50:29,808	-26:50:09,375;-46:46:07,306	-26:46:54,309;-46:51:16,683
-26:48:56,184;-46:50:20,433	-26:50:00,000;-46:46:07,306	-26:47:03,684;-46:51:16,683
-26:48:56,185;-46:50:11,058	-26:49:50,625;-46:46:07,306	-26:47:13,059;-46:51:16,683
-26:48:56,185;-46:50:01,683	-26:49:41,250;-46:46:07,306	-26:47:22,434;-46:51:16,683
-26:48:56,185;-46:49:52,308	-26:49:33,685;-46:46:07,306	-26:47:31,809;-46:51:16,683
-26:48:56,185;-46:49:42,933	-26:49:33,685;-46:45:57,931	-26:47:41,184;-46:51:16,683
-26:48:56,185;-46:49:33,557	-26:49:33,686;-46:45:48,556	-26:47:50,559;-46:51:16,683
-26:48:56,185;-46:49:24,182	-26:49:33,686;-46:45:39,181	-26:47:59,934;-46:51:16,683
-26:48:56,185;-46:49:14,807	-26:49:33,686;-46:45:29,806	-26:48:09,309;-46:51:16,683
-26:48:56,185;-46:49:05,432	-26:49:31,875;-46:45:29,806	
-26:48:56,185;-46:48:56,057	-26:49:22,500;-46:45:29,805	<u>S-M-1476</u>
-26:48:56,185;-46:48:46,682	-26:49:13,125;-46:45:29,805	-26:52:30,000;-46:45:00,000

-26:48:18,685;-46:45:00,000

-26:48:18,685;-46:44:52,305

-26:48:16,875;-46:44:52,305

-26:48:07,500;-46:44:52,305

-26:47:58,125;-46:44:52,305

-26:47:48,750;-46:44:52,305

-26:47:41,185;-46:44:52,305

-26:47:41,185;-46:44:42,930

-26:47:41,185;-46:44:33,555

-26:47:41,185;-46:44:24,179

-26:47:41,185;-46:44:14,804

-26:47:39,375;-46:44:14,804

-26:47:30,000;-46:44:14,804

-26:47:20,625;-46:44:14,804

-26:47:11,250;-46:44:14,804

-26:47:01,875;-46:44:14,804

-26:46:52,500;-46:44:14,804

-26:46:43,125;-46:44:14,804

-26:46:33,750;-46:44:14,804

-26:46:24,375;-46:44:14,804

-26:46:15,000;-46:44:14,804

-26:46:05,625;-46:44:14,804

-26:45:56,250;-46:44:14,804

-26:45:46,875;-46:44:14,804

-26:45:37,500;-46:44:14,804

-26:45:28,125;-46:44:14,804

-26:45:18,750;-46:44:14,804

-26:45:09,375;-46:44:14,804

-26:45:00,000;-46:44:14,804

-26:45:00,000;-46:37:30,000

-26:52:30,000;-46:37:30,000

-26:52:30,000;-46:45:00,000

S-M-1477

-26:52:30,000;-46:37:30,000

-26:45:00,000;-46:37:30,000

-26:45:00,000;-46:30:00,000

-26:52:30,000;-46:30:00,000

-26:52:30,000;-46:37:30,000

S-M-1535

-27:00:00,000;-47:00:00,000

-26:52:30,000;-47:00:00,000

-26:52:30,000;-46:52:30,000

-27:00:00,000;-46:52:30,000

-27:00:00,000;-47:00:00,000

S-M-1536

-27:00:00,000;-46:52:30,000

-26:52:30,000;-46:52:30,000

-26:52:30,000;-46:45:00,000

-27:00:00,000;-46:45:00,000

-27:00:00,000;-46:52:30,000

S-M-1538

-27:00:00,000;-46:37:30,000

-26:52:30,000;-46:37:30,000

-26:52:30,000;-46:30:00,000

-27:00:00,000;-46:30:00,000

-27:00:00,000;-46:37:30,000

S-M-1595

-27:07:30,000;-47:00:00,000

-27:00:00,000;-47:00:00,000

-27:00:00,000;-46:52:30,000

-27:07:30,000;-46:52:30,000

-27:07:30,000;-47:00:00,000

S-M-1596

-27:07:30,000;-46:52:30,000

-27:00:00,000;-46:52:30,000

-27:00:00,000;-46:45:00,000

-27:07:30,000;-46:45:00,000

-27:07:30,000;-46:52:30,000

Basin of Sergipe – Alagoas**(offshore)****SEAL-M-212**

-10:25:09,375;-35:39:31,875
-10:23:54,375;-35:39:31,875
-10:23:54,375;-35:38:16,875
-10:22:30,000;-35:38:16,875
-10:22:30,000;-35:37:11,250
-10:21:05,625;-35:37:11,250
-10:21:05,625;-35:36:05,625
-10:19:31,875;-35:36:05,625
-10:19:31,875;-35:35:09,375
-10:18:07,500;-35:35:09,375
-10:18:07,500;-35:34:03,750
-10:16:24,375;-35:34:03,750
-10:16:24,375;-35:32:58,125
-10:15:00,000;-35:32:58,125
-10:15:00,000;-35:30:00,000
-10:30:00,000;-35:30:00,000
-10:30:00,000;-35:45:00,000
-10:28:16,875;-35:45:00,000
-10:28:16,875;-35:43:54,375
-10:27:39,375;-35:43:54,375
-10:27:39,375;-35:42:11,250
-10:26:24,375;-35:42:11,250
-10:26:24,375;-35:40:46,875
-10:25:09,375;-35:40:46,875
-10:25:09,375;-35:39:31,875

SEAL-M-214

-10:15:00,000;-35:15:00,000
-10:30:00,000;-35:15:00,000
-10:30:00,000;-35:30:00,000
-10:15:00,000;-35:30:00,000
-10:15:00,000;-35:15:00,000
-12:30:00,000;-38:33:45,000

SEAL-M-279

-10:41:05,625;-35:57:58,125
-10:41:05,625;-35:57:11,250
-10:39:41,250;-35:57:11,250
-10:39:41,250;-35:56:15,000
-10:38:16,875;-35:56:15,000
-10:38:16,875;-35:55:18,750
-10:37:01,875;-35:55:18,750
-10:37:01,875;-35:54:13,125
-10:35:18,750;-35:54:13,125
-10:35:18,750;-35:53:26,250
-10:33:54,375;-35:53:26,250
-10:33:54,375;-35:52:39,375
-10:32:30,000;-35:52:39,375
-10:32:30,000;-35:51:24,375
-10:31:15,000;-35:51:24,375
-10:31:15,000;-35:49:41,250
-10:30:46,875;-35:49:41,250
-10:30:46,875;-35:47:58,125
-10:30:00,000;-35:47:58,125
-10:30:00,000;-35:45:00,000
-10:45:00,000;-35:45:00,000
-10:45:00,000;-35:59:22,500
-10:43:35,625;-35:59:22,500
-10:43:35,625;-35:58:45,000
-10:42:30,000;-35:58:45,000
-10:42:30,000;-35:57:58,125
-10:41:05,625;-35:57:58,125

SEAL-M-281

-10:30:00,000;-35:30:00,000
-10:45:00,000;-35:30:00,000
-10:45:00,000;-35:45:00,000
-10:30:00,000;-35:45:00,000
-10:30:00,000;-35:30:00,000

SEAL-M-353

-10:45:00,000;-35:30:00,000
-11:00:00,000;-35:30:00,000
-11:00:00,000;-35:45:00,000
-10:45:00,000;-35:45:00,000
-10:45:00,000;-35:30:00,000

SEAL-M-568

-11:42:11,250;-36:43:07,500
-11:40:56,250;-36:43:07,500
-11:40:56,250;-36:42:20,625
-11:39:31,875;-36:42:20,625
-11:39:31,875;-36:41:43,125
-11:38:35,625;-36:41:43,125
-11:38:35,625;-36:41:05,625
-11:36:52,500;-36:41:05,625
-11:36:52,500;-36:40:28,125
-11:35:00,000;-36:40:28,125
-11:35:00,000;-36:39:50,625
-11:33:16,875;-36:39:50,625
-11:33:16,875;-36:39:13,125
-11:30:00,000;-36:39:13,125
-11:30:00,000;-36:34:13,125
-11:31:24,375;-36:34:13,125
-11:31:24,375;-36:30:00,000
-11:45:00,000;-36:30:00,000
-11:45:00,000;-36:45:00,000
-11:43:45,000;-36:45:00,000
-11:43:45,000;-36:44:31,875

-11:43:07,500;-36:44:31,875
-11:43:07,500;-36:43:54,375
-11:42:11,250;-36:43:54,375
-11:42:11,250;-36:43:07,500

SEAL-M-571

-11:30:01,578;-36:19:23,713
-11:30:00,000;-36:19:23,713

-11:30:00,000;-36:15:00,000	-11:30:01,578;-36:24:41,250	<u>SEAL-M-633</u>
-11:45:00,000;-36:15:00,000	-11:30:01,578;-36:24:31,875	-11:45:00,000;-36:30:00,000
-11:45:00,000;-36:30:00,000	-11:30:01,578;-36:24:22,500	-12:00:00,000;-36:30:00,000
-11:30:01,578;-36:30:00,000	-11:30:01,578;-36:24:13,125	-12:00:00,000;-36:45:00,000
-11:30:01,578;-36:29:50,625	-11:30:01,578;-36:24:03,750	-11:45:00,000;-36:45:00,000
-11:30:01,578;-36:29:41,250	-11:30:01,578;-36:23:54,375	-11:45:00,000;-36:30:00,000
-11:30:01,578;-36:29:31,875	-11:30:01,578;-36:23:45,000	
-11:30:01,578;-36:29:22,500	-11:30:01,578;-36:23:35,625	<u>SEAL-M-283</u>
-11:30:01,578;-36:29:13,125	-11:30:01,578;-36:23:26,250	-10:30:00,000;-35:15:00,000
-11:30:01,578;-36:29:03,750	-11:30:01,578;-36:23:16,875	-10:45:00,000;-35:15:00,000
-11:30:01,578;-36:28:54,375	-11:30:01,578;-36:23:07,500	-10:45:00,000;-35:30:00,000
-11:30:01,578;-36:28:45,000	-11:30:01,578;-36:22:58,125	-10:30:00,000;-35:30:00,000
-11:30:01,578;-36:28:35,625	-11:30:01,578;-36:22:48,750	-10:30:00,000;-35:15:00,000
-11:30:01,578;-36:28:26,250	-11:30:01,578;-36:22:39,375	
-11:30:01,578;-36:28:16,875	-11:30:01,578;-36:22:30,000	<u>SEAL-M-355</u>
-11:30:01,578;-36:28:07,500	-11:30:01,578;-36:22:20,625	-10:45:00,000;-35:15:00,000
-11:30:01,578;-36:27:58,125	-11:30:01,578;-36:22:11,250	-11:00:00,000;-35:15:00,000
-11:30:01,578;-36:27:48,750	-11:30:01,578;-36:22:01,875	-11:00:00,000;-35:30:00,000
-11:30:01,578;-36:27:39,375	-11:30:01,578;-36:21:52,500	-10:45:00,000;-35:30:00,000
-11:30:01,578;-36:27:30,000	-11:30:01,578;-36:21:43,125	-10:45:00,000;-35:15:00,000
-11:30:01,578;-36:27:20,625	-11:30:01,578;-36:21:33,750	
-11:30:01,578;-36:27:11,250	-11:30:01,578;-36:21:24,375	<u>SEAL-M-635</u>
-11:30:01,578;-36:27:01,875	-11:30:01,578;-36:21:15,000	-11:45:00,000;-36:15:00,000
-11:30:01,578;-36:26:52,500	-11:30:01,578;-36:21:05,625	-12:00:00,000;-36:15:00,000
-11:30:01,578;-36:26:43,125	-11:30:01,578;-36:20:56,250	-12:00:00,000;-36:30:00,000
-11:30:01,578;-36:26:33,750	-11:30:01,578;-36:20:46,875	-11:45:00,000;-36:30:00,000
-11:30:01,578;-36:26:24,375	-11:30:01,578;-36:20:37,500	-11:45:00,000;-36:15:00,000
-11:30:01,578;-36:26:15,000	-11:30:01,578;-36:20:28,125	
-11:30:01,578;-36:26:05,625	-11:30:01,578;-36:20:18,750	
-11:30:01,578;-36:25:56,250	-11:30:01,578;-36:20:09,375	
-11:30:01,578;-36:25:46,875	-11:30:01,578;-36:20:00,000	
-11:30:01,578;-36:25:37,500	-11:30:01,578;-36:19:50,625	
-11:30:01,578;-36:25:28,125	-11:30:01,578;-36:19:41,250	
-11:30:01,578;-36:25:18,750	-11:30:01,578;-36:19:31,875	
-11:30:01,578;-36:25:09,375	-11:30:01,578;-36:19:23,713	
-11:30:01,578;-36:25:00,000		
-11:30:01,578;-36:24:50,625		

Basin of Sergipe – Alagoas**(onshore)****SEAL-T-29**

-09:02:30,000;-35:30:00,000

-09:02:30,000;-35:26:15,000

-09:04:50,625;-35:26:15,000

-09:04:50,625;-35:26:33,750

-09:05:00,000;-35:26:33,750

-09:05:00,000;-35:30:00,000

-09:02:30,000;-35:30:00,000

SEAL-T-30

-09:02:30,000;-35:22:30,000

-09:05:00,000;-35:22:30,000

-09:05:00,000;-35:22:58,125

-09:04:50,625;-35:22:58,125

-09:04:50,625;-35:23:26,250

-09:05:00,000;-35:23:26,250

-09:05:00,000;-35:26:15,000

-09:02:30,000;-35:26:15,000

-09:02:30,000;-35:22:30,000

SEAL-T-31

-09:02:30,000;-35:18:45,000

-09:05:00,000;-35:18:45,000

-09:05:00,000;-35:22:30,000

-09:02:30,000;-35:22:30,000

-09:02:30,000;-35:18:45,000

SEAL-T-32

-09:02:30,000;-35:17:30,000

-09:02:39,375;-35:17:30,000

-09:02:39,375;-35:17:39,375

-09:02:48,750;-35:17:39,375

-09:02:48,750;-35:17:58,125

-09:03:26,250;-35:17:58,125

-09:03:26,250;-35:17:48,750

-09:03:35,625;-35:17:48,750

-09:03:35,625;-35:17:20,625

-09:03:26,250;-35:17:20,625

-09:03:26,250;-35:17:11,250

-09:03:16,875;-35:17:11,250

-09:03:16,875;-35:17:01,875

-09:02:30,000;-35:17:01,875

-09:02:30,000;-35:15:00,000

-09:04:41,250;-35:15:00,000

-09:04:41,250;-35:15:18,750

-09:05:00,000;-35:15:18,750

-09:05:00,000;-35:18:45,000

-09:02:30,000;-35:18:45,000

-09:02:30,000;-35:17:30,000

SEAL-T-36

-09:05:00,000;-35:26:43,125

-09:05:18,750;-35:26:43,125

-09:05:18,750;-35:26:15,000

-09:05:37,500;-35:26:15,000

-09:05:37,500;-35:26:24,375

-09:05:56,250;-35:26:24,375

-09:05:56,250;-35:26:15,000

-09:07:30,000;-35:26:15,000

-09:07:30,000;-35:30:00,000

-09:05:00,000;-35:30:00,000

-09:05:00,000;-35:26:43,125

SEAL-T-37

-09:05:00,000;-35:23:16,875

-09:05:18,750;-35:23:16,875

-09:05:18,750;-35:23:07,500

-09:05:28,125;-35:23:07,500

-09:05:28,125;-35:23:35,625

-09:05:56,250;-35:23:35,625

-09:05:56,250;-35:23:26,250

-09:06:15,000;-35:23:26,250

-09:06:15,000;-35:23:07,500

-09:06:24,375;-35:23:07,500

-09:06:24,375;-35:22:30,000

-09:07:30,000;-35:22:30,000

-09:07:30,000;-35:26:15,000

-09:06:15,000;-35:26:15,000

-09:06:15,000;-35:25:56,250

-09:06:05,625;-35:25:56,250

-09:06:05,625;-35:25:46,875

-09:05:46,875;-35:25:46,875

-09:05:46,875;-35:25:09,375

-09:05:37,500;-35:25:09,375

-09:05:37,500;-35:25:00,000

-09:05:18,750;-35:25:00,000

-09:05:18,750;-35:26:15,000

-09:05:09,375;-35:26:15,000

-09:05:09,375;-35:26:05,625

-09:05:00,000;-35:26:05,625

-09:05:00,000;-35:23:16,875

SEAL-T-38

-09:05:00,000;-35:18:45,000

-09:07:30,000;-35:18:45,000

-09:07:30,000;-35:20:18,750

-09:07:20,625;-35:20:18,750

-09:07:20,625;-35:20:28,125

-09:07:11,250;-35:20:28,125

-09:07:11,250;-35:20:37,500

-09:07:01,875;-35:20:37,500

-09:07:01,875;-35:21:05,625

-09:06:33,750;-35:21:05,625

-09:06:33,750;-35:21:15,000

-09:06:24,375;-35:21:15,000

-09:06:24,375;-35:21:33,750

-09:07:01,875;-35:21:33,750

-09:07:01,875;-35:21:24,375

-09:07:30,000;-35:21:24,375

-09:07:30,000;-35:22:30,000
-09:06:24,375;-35:22:30,000
-09:06:24,375;-35:22:01,875
-09:06:15,000;-35:22:01,875
-09:06:15,000;-35:21:52,500
-09:05:56,250;-35:21:52,500
-09:05:56,250;-35:22:01,875
-09:05:37,500;-35:22:01,875
-09:05:37,500;-35:22:30,000
-09:05:28,125;-35:22:30,000
-09:05:28,125;-35:22:20,625
-09:05:09,375;-35:22:20,625
-09:05:09,375;-35:22:30,000
-09:05:00,000;-35:22:30,000
-09:05:00,000;-35:18:45,000

SEAL-T-39

-09:05:00,000;-35:15:28,125
-09:05:09,375;-35:15:28,125
-09:05:09,375;-35:15:37,500
-09:05:46,875;-35:15:37,500
-09:05:46,875;-35:15:46,875
-09:06:05,625;-35:15:46,875
-09:06:05,625;-35:15:56,250
-09:06:24,375;-35:15:56,250
-09:06:24,375;-35:16:05,625
-09:06:33,750;-35:16:05,625
-09:06:33,750;-35:16:15,000
-09:06:52,500;-35:16:15,000
-09:06:52,500;-35:16:24,375
-09:07:11,250;-35:16:24,375
-09:07:11,250;-35:16:33,750
-09:07:20,625;-35:16:33,750
-09:07:20,625;-35:17:01,875
-09:07:30,000;-35:17:01,875
-09:07:30,000;-35:18:45,000
-09:05:00,000;-35:18:45,000

-09:05:00,000;-35:15:28,125

SEAL-T-43

-09:07:30,000;-35:26:15,000
-09:10:00,000;-35:26:15,000
-09:10:00,000;-35:30:00,000
-09:07:30,000;-35:30:00,000
-09:07:30,000;-35:26:15,000

SEAL-T-44

-09:07:30,000;-35:22:30,000
-09:10:00,000;-35:22:30,000
-09:10:00,000;-35:26:15,000
-09:07:30,000;-35:26:15,000
-09:07:30,000;-35:22:30,000

SEAL-T-45

-09:07:30,000;-35:21:24,375
-09:07:48,750;-35:21:24,375
-09:07:48,750;-35:21:05,625
-09:07:58,125;-35:21:05,625
-09:07:58,125;-35:20:56,250
-09:08:16,875;-35:20:56,250
-09:08:16,875;-35:20:37,500
-09:08:26,250;-35:20:37,500
-09:08:26,250;-35:20:18,750
-09:08:35,625;-35:20:18,750
-09:08:35,625;-35:20:00,000
-09:09:03,750;-35:20:00,000
-09:09:03,750;-35:18:45,000
-09:10:00,000;-35:18:45,000
-09:10:00,000;-35:22:30,000
-09:07:30,000;-35:22:30,000
-09:07:30,000;-35:21:24,375

SEAL-T-49

-09:10:00,000;-35:26:15,000

-09:12:30,000;-35:26:15,000

-09:12:30,000;-35:30:00,000

-09:10:00,000;-35:30:00,000

-09:10:00,000;-35:26:15,000

SEAL-T-54

-09:15:01,520;-35:33:45,000
-09:12:30,000;-35:33:45,000
-09:12:30,000;-35:30:00,000
-09:15:01,520;-35:30:00,000
-09:15:01,520;-35:30:01,178
-09:15:01,520;-35:30:10,553
-09:15:01,520;-35:30:19,928
-09:15:01,520;-35:30:29,303
-09:15:01,520;-35:30:38,678
-09:15:01,520;-35:30:48,053
-09:15:01,520;-35:30:57,428
-09:15:01,520;-35:31:06,803
-09:15:01,520;-35:31:16,179
-09:15:01,520;-35:31:25,554
-09:15:01,520;-35:31:34,929
-09:15:01,520;-35:31:44,304
-09:15:01,520;-35:31:53,679
-09:15:01,520;-35:32:03,054
-09:15:01,520;-35:32:12,429
-09:15:01,520;-35:32:21,804
-09:15:01,520;-35:32:31,179
-09:15:01,520;-35:32:40,554
-09:15:01,520;-35:32:49,929
-09:15:01,520;-35:32:59,304
-09:15:01,520;-35:33:08,680
-09:15:01,520;-35:33:18,055
-09:15:01,520;-35:33:27,430
-09:15:01,520;-35:33:36,805
-09:15:01,520;-35:33:45,000

SEAL-T-55

-09:12:30,000;-35:26:15,000
-09:15:00,000;-35:26:15,000
-09:15:00,000;-35:30:00,000
-09:12:30,000;-35:30:00,000
-09:12:30,000;-35:26:15,000

SEAL-T-62

-09:15:00,000;-35:26:15,000
-09:17:30,000;-35:26:15,000
-09:17:30,000;-35:27:01,875
-09:16:52,500;-35:27:01,875
-09:16:52,500;-35:29:22,500
-09:17:30,000;-35:29:22,500
-09:17:30,000;-35:30:01,178
-09:17:20,625;-35:30:01,178
-09:17:11,250;-35:30:01,178
-09:17:01,875;-35:30:01,178
-09:16:52,500;-35:30:01,178
-09:16:43,125;-35:30:01,178
-09:16:33,750;-35:30:01,178
-09:16:24,375;-35:30:01,178
-09:16:15,000;-35:30:01,178
-09:16:05,625;-35:30:01,178
-09:15:56,250;-35:30:01,178
-09:15:46,875;-35:30:01,178
-09:15:37,500;-35:30:01,178
-09:15:28,125;-35:30:01,178
-09:15:18,750;-35:30:01,178
-09:15:09,375;-35:30:01,178
-09:15:01,520;-35:30:01,178
-09:15:01,520;-35:30:00,000
-09:15:00,000;-35:30:00,000
-09:15:00,000;-35:26:15,000

SEAL-T-63

-09:15:00,000;-35:22:30,000

-09:16:24,375;-35:22:30,000
-09:16:24,375;-35:22:48,750
-09:16:43,125;-35:22:48,750
-09:16:43,125;-35:23:07,500
-09:16:52,500;-35:23:07,500
-09:16:52,500;-35:23:16,875
-09:17:01,875;-35:23:16,875
-09:17:01,875;-35:23:26,250
-09:17:11,250;-35:23:26,250
-09:17:11,250;-35:23:35,625
-09:17:20,625;-35:23:35,625
-09:17:20,625;-35:23:45,000
-09:17:30,000;-35:23:45,000
-09:17:30,000;-35:26:15,000
-09:15:00,000;-35:26:15,000
-09:15:00,000;-35:22:30,000

SEAL-T-67

-09:17:30,000;-35:30:00,000
-09:20:00,000;-35:30:00,000
-09:20:00,000;-35:33:45,000
-09:17:31,521;-35:33:45,000
-09:17:31,521;-35:33:35,625
-09:17:31,521;-35:33:26,250
-09:17:31,521;-35:33:16,875
-09:17:31,521;-35:33:07,500
-09:17:31,521;-35:32:58,125
-09:17:31,521;-35:32:48,750
-09:17:31,521;-35:32:39,375
-09:17:31,521;-35:32:30,000
-09:17:31,521;-35:32:20,625
-09:17:31,521;-35:32:11,250
-09:17:31,521;-35:32:01,875
-09:17:31,521;-35:31:52,500
-09:17:31,521;-35:31:43,125
-09:17:31,521;-35:31:33,750
-09:17:31,521;-35:31:24,375

-09:17:31,521;-35:31:15,000
-09:17:31,521;-35:31:05,625
-09:17:31,521;-35:30:56,250
-09:17:31,521;-35:30:46,875
-09:17:31,522;-35:30:37,500
-09:17:31,522;-35:30:28,125
-09:17:31,522;-35:30:18,750
-09:17:31,522;-35:30:09,375
-09:17:31,522;-35:30:01,178
-09:17:30,000;-35:30:01,178
-09:17:30,000;-35:30:00,000

SEAL-T-68

-09:17:30,000;-35:29:22,500
-09:17:58,125;-35:29:22,500
-09:17:58,125;-35:28:35,625
-09:18:54,375;-35:28:35,625
-09:18:54,375;-35:27:20,625
-09:19:31,875;-35:27:20,625
-09:19:31,875;-35:26:33,750
-09:20:00,000;-35:26:33,750
-09:20:00,000;-35:30:00,000
-09:17:30,000;-35:30:00,000
-09:17:30,000;-35:29:22,500

SEAL-T-71

-09:20:00,000;-35:37:30,000
-09:20:00,000;-35:33:45,000
-09:22:30,000;-35:33:45,000
-09:22:30,000;-35:37:30,000
-09:20:00,000;-35:37:30,000

SEAL-T-72

-09:20:00,000;-35:30:00,000
-09:21:52,500;-35:30:00,000
-09:21:52,500;-35:30:18,750
-09:21:33,750;-35:30:18,750

-09:21:33,750;-35:30:28,125	-09:23:45,000;-35:38:16,875	-09:23:09,024;-35:34:51,806
-09:21:24,375;-35:30:28,125	-09:23:54,375;-35:38:16,875	-09:23:09,024;-35:35:01,181
-09:21:24,375;-35:30:46,875	-09:23:54,375;-35:38:07,500	-09:23:09,024;-35:35:10,556
-09:21:15,000;-35:30:46,875	-09:23:45,000;-35:38:07,500	-09:23:09,024;-35:35:19,931
-09:21:15,000;-35:30:56,250	-09:23:45,000;-35:37:58,125	-09:23:09,024;-35:35:29,306
-09:21:05,625;-35:30:56,250	-09:23:35,625;-35:37:58,125	-09:23:09,024;-35:35:38,681
-09:21:05,625;-35:31:15,000	-09:23:35,625;-35:37:48,750	-09:23:18,399;-35:35:38,681
-09:20:56,250;-35:31:15,000	-09:23:07,500;-35:37:48,750	-09:23:27,774;-35:35:38,681
-09:20:56,250;-35:31:33,750	-09:23:07,500;-35:38:35,625	-09:23:37,149;-35:35:38,681
-09:20:46,875;-35:31:33,750	-09:22:58,125;-35:38:35,625	-09:23:46,524;-35:35:38,681
-09:20:46,875;-35:31:43,125	-09:22:58,125;-35:38:54,375	-09:23:55,899;-35:35:38,681
-09:21:15,000;-35:31:43,125	-09:22:48,750;-35:38:54,375	-09:24:05,274;-35:35:38,681
-09:21:15,000;-35:31:33,750	-09:22:48,750;-35:39:03,750	-09:24:14,649;-35:35:38,681
-09:21:24,375;-35:31:33,750	-09:22:58,125;-35:39:03,750	-09:24:24,024;-35:35:38,681
-09:21:24,375;-35:31:24,375	-09:22:58,125;-35:39:22,500	-09:24:33,399;-35:35:38,681
-09:21:33,750;-35:31:24,375	-09:23:16,875;-35:39:22,500	-09:24:42,775;-35:35:38,681
-09:21:33,750;-35:31:15,000		-09:24:52,150;-35:35:38,681
-09:21:43,125;-35:31:15,000	<u>SEAL-T-77</u>	-09:25:00,000;-35:35:38,681
-09:21:43,125;-35:31:05,625	-09:22:30,000;-35:33:45,000	-09:25:00,000;-35:37:30,000
-09:22:30,000;-35:31:05,625	-09:25:00,000;-35:33:45,000	-09:22:30,000;-35:37:30,000
-09:22:30,000;-35:33:45,000	-09:25:00,000;-35:34:04,931	-09:22:30,000;-35:33:45,000
-09:20:00,000;-35:33:45,000	-09:24:50,625;-35:34:04,931	
-09:20:00,000;-35:30:00,000	-09:24:41,250;-35:34:04,931	<u>SEAL-T-78</u>
	-09:24:31,875;-35:34:04,931	-09:22:30,000;-35:31:05,625
	-09:24:22,500;-35:34:04,931	-09:22:39,375;-35:31:05,625
<u>SEAL-T-76 (MAIN)</u>	-09:24:13,125;-35:34:04,931	-09:22:39,375;-35:30:37,500
-09:22:30,000;-35:41:15,000	-09:24:03,750;-35:34:04,931	-09:25:00,000;-35:30:37,500
-09:22:30,000;-35:37:30,000	-09:23:54,375;-35:34:04,931	-09:25:00,000;-35:33:45,000
-09:25:00,000;-35:37:30,000	-09:23:45,000;-35:34:04,931	-09:22:30,000;-35:33:45,000
-09:25:00,000;-35:41:15,000	-09:23:35,625;-35:34:04,931	-09:22:30,000;-35:31:05,625
-09:22:30,000;-35:41:15,000	-09:23:26,250;-35:34:04,931	
	-09:23:16,875;-35:34:04,931	<u>SEAL-T-82</u>
<u>SEAL-T-76 (EXCLUSION)</u>	-09:23:09,024;-35:34:04,931	-09:25:00,000;-35:37:30,000
-09:23:16,875;-35:39:22,500	-09:23:09,024;-35:34:14,306	-09:27:30,000;-35:37:30,000
-09:23:16,875;-35:39:03,750	-09:23:09,024;-35:34:23,681	-09:27:30,000;-35:41:15,000
-09:23:35,625;-35:39:03,750	-09:23:09,024;-35:34:33,056	-09:25:00,000;-35:41:15,000
-09:23:35,625;-35:38:54,375	-09:23:09,024;-35:34:42,431	-09:25:00,000;-35:37:30,000
-09:23:45,000;-35:38:54,375		

SEAL-T-83 (MAIN)

-09:25:00,000;-35:35:38,681
-09:25:01,525;-35:35:38,681
-09:25:01,525;-35:35:29,306
-09:25:01,525;-35:35:19,931
-09:25:01,525;-35:35:10,556
-09:25:01,525;-35:35:01,181
-09:25:01,525;-35:34:51,806
-09:25:01,525;-35:34:42,431
-09:25:01,525;-35:34:33,056
-09:25:01,525;-35:34:23,681
-09:25:01,525;-35:34:14,306
-09:25:01,525;-35:34:04,931
-09:25:00,000;-35:34:04,931
-09:25:00,000;-35:33:45,000
-09:27:30,000;-35:33:45,000
-09:27:30,000;-35:37:30,000
-09:25:00,000;-35:37:30,000
-09:25:00,000;-35:35:38,681

SEAL-T-83 (EXCLUSION)

-09:26:43,125;-35:35:56,250
-09:25:56,250;-35:35:56,250
-09:25:56,250;-35:35:46,875
-09:25:37,500;-35:35:46,875
-09:25:37,500;-35:35:56,250
-09:25:28,125;-35:35:56,250
-09:25:28,125;-35:36:24,375
-09:25:18,750;-35:36:24,375
-09:25:18,750;-35:36:43,125
-09:25:09,375;-35:36:43,125
-09:25:09,375;-35:36:52,500
-09:26:43,125;-35:36:52,500
-09:26:43,125;-35:35:56,250

SEAL-T-84

-09:25:00,000;-35:30:28,125

-09:25:28,125;-35:30:28,125
-09:25:28,125;-35:30:37,500
-09:25:46,875;-35:30:37,500
-09:25:46,875;-35:30:46,875
-09:26:05,625;-35:30:46,875
-09:26:05,625;-35:30:56,250
-09:26:15,000;-35:30:56,250
-09:26:15,000;-35:31:24,375
-09:26:05,625;-35:31:24,375
-09:26:05,625;-35:31:52,500
-09:26:24,375;-35:31:52,500
-09:26:24,375;-35:31:43,125
-09:26:33,750;-35:31:43,125
-09:26:33,750;-35:31:52,500
-09:27:01,875;-35:31:52,500
-09:27:01,875;-35:32:01,875
-09:27:11,250;-35:32:01,875
-09:27:11,250;-35:32:20,625
-09:27:20,625;-35:32:20,625
-09:27:20,625;-35:32:30,000
-09:27:30,000;-35:32:30,000
-09:27:30,000;-35:33:45,000
-09:25:00,000;-35:33:45,000
-09:25:00,000;-35:30:28,125

SEAL-T-89

-09:29:41,250;-35:41:33,750
-09:29:41,250;-35:41:43,125
-09:29:22,500;-35:41:43,125
-09:29:22,500;-35:42:01,875
-09:29:13,125;-35:42:01,875
-09:29:13,125;-35:42:11,250
-09:28:54,375;-35:42:11,250
-09:28:54,375;-35:42:20,625
-09:28:35,625;-35:42:20,625
-09:28:35,625;-35:42:39,375
-09:28:26,250;-35:42:39,375

-09:28:26,250;-35:42:58,125
-09:28:16,875;-35:42:58,125
-09:28:16,875;-35:43:16,875
-09:27:48,750;-35:43:16,875
-09:27:48,750;-35:43:35,625
-09:27:30,000;-35:43:35,625
-09:27:30,000;-35:37:30,000
-09:30:00,000;-35:37:30,000
-09:30:00,000;-35:41:33,750
-09:29:41,250;-35:41:33,750

SEAL-T-90

-09:27:30,000;-35:33:45,000
-09:29:13,125;-35:33:45,000
-09:29:13,125;-35:33:54,375
-09:29:22,500;-35:33:54,375
-09:29:22,500;-35:34:13,125
-09:29:31,875;-35:34:13,125
-09:29:31,875;-35:34:31,875
-09:29:41,250;-35:34:31,875
-09:29:41,250;-35:34:41,250
-09:29:50,625;-35:34:41,250
-09:29:50,625;-35:34:50,625
-09:30:00,000;-35:34:50,625
-09:30:00,000;-35:37:30,000
-09:27:30,000;-35:37:30,000
-09:27:30,000;-35:33:45,000

SEAL-T-97

-09:30:00,000;-35:37:30,000
-09:32:30,000;-35:37:30,000
-09:32:30,000;-35:37:58,125
-09:32:11,250;-35:37:58,125
-09:32:11,250;-35:38:35,625
-09:32:30,000;-35:38:35,625
-09:32:30,000;-35:41:15,000
-09:30:00,000;-35:41:15,000

-09:30:00,000;-35:37:30,000

SEAL-T-98

-09:30:00,000;-35:35:00,000

-09:30:09,375;-35:35:00,000

-09:30:09,375;-35:35:09,375

-09:30:18,750;-35:35:09,375

-09:30:18,750;-35:35:18,750

-09:30:28,125;-35:35:18,750

-09:30:28,125;-35:35:28,125

-09:30:46,875;-35:35:28,125

-09:30:46,875;-35:35:37,500

-09:31:33,750;-35:35:37,500

-09:31:33,750;-35:36:15,000

-09:31:43,125;-35:36:15,000

-09:31:43,125;-35:36:43,125

-09:32:01,875;-35:36:43,125

-09:32:01,875;-35:36:52,500

-09:32:11,250;-35:36:52,500

-09:32:11,250;-35:37:01,875

-09:32:30,000;-35:37:01,875

-09:32:30,000;-35:37:30,000

-09:30:00,000;-35:37:30,000

-09:30:00,000;-35:35:00,000

SEAL-T-105

-09:35:00,000;-35:41:52,500

-09:35:00,000;-35:45:00,000

-09:32:30,000;-35:45:00,000

-09:32:30,000;-35:41:15,000

-09:34:03,750;-35:41:15,000

-09:34:03,750;-35:41:52,500

-09:35:00,000;-35:41:52,500

SEAL-T-94

-09:31:52,500;-35:52:30,000

-09:30:00,000;-35:52:30,000

-09:30:00,000;-35:48:54,375

-09:30:28,125;-35:48:54,375

-09:30:28,125;-35:48:26,250

-09:30:37,500;-35:48:26,250

-09:30:37,500;-35:47:58,125

-09:30:56,250;-35:47:58,125

-09:30:56,250;-35:47:30,000

-09:31:07,152;-35:47:30,000

-09:31:07,152;-35:47:20,625

-09:31:07,152;-35:47:11,250

-09:31:15,000;-35:47:11,250

-09:31:15,000;-35:46:33,750

-09:31:24,375;-35:46:33,750

-09:31:24,375;-35:46:05,625

-09:31:33,750;-35:46:05,625

-09:31:33,750;-35:45:46,875

-09:31:52,500;-35:45:46,875

-09:31:52,500;-35:45:28,125

-09:32:30,000;-35:45:28,125

-09:32:30,000;-35:47:11,250

-09:31:52,500;-35:47:11,250

-09:31:52,500;-35:49:22,500

-09:32:30,000;-35:49:22,500

-09:32:30,000;-35:52:30,000

-09:32:20,625;-35:52:30,000

-09:32:20,625;-35:52:20,625

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-10:14:50,625;-36:16:15,000

-10:14:50,625;-36:16:33,750 -10:21:43,125;-36:30:37,500
-10:14:31,875;-36:16:33,750
-10:14:31,875;-36:17:01,875
-10:14:13,125;-36:17:01,875
-10:14:13,125;-36:17:30,000
-10:14:03,750;-36:17:30,000
-10:14:03,750;-36:17:48,750
-10:13:45,000;-36:17:48,750
-10:13:45,000;-36:18:45,000
-10:12:30,000;-36:18:45,000
-10:12:30,000;-36:15:00,000

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-10:21:43,125;-36:30:37,500
-10:22:30,000;-36:30:37,500
-10:22:30,000;-36:33:45,000
-10:20:01,546;-36:33:45,000
-10:20:01,546;-36:33:35,625
-10:20:01,546;-36:33:26,250
-10:20:01,546;-36:33:16,875
-10:20:01,546;-36:33:07,500
-10:20:01,546;-36:32:58,125
-10:20:01,546;-36:32:48,750
-10:20:01,546;-36:32:39,375
-10:20:01,546;-36:32:30,000
-10:20:01,546;-36:32:20,625
-10:20:01,546;-36:32:11,250
-10:20:01,546;-36:32:01,875
-10:20:01,546;-36:31:52,500
-10:20:01,546;-36:31:43,125
-10:20:01,546;-36:31:33,750
-10:20:01,546;-36:31:24,375
-10:20:18,750;-36:31:24,375
-10:20:18,750;-36:30:56,250
-10:20:37,500;-36:30:56,250
-10:20:37,500;-36:30:09,375
-10:21:43,125;-36:30:09,375

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-11:07:30,000;-38:52:30,000
-11:07:30,000;-38:45:00,000
-11:15:00,000;-38:45:00,000
-11:15:00,000;-38:52:30,000
-11:07:30,000;-38:52:30,000

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-11:07:30,000;-38:37:30,000
-11:15:01,562;-38:37:30,000
-11:15:01,562;-38:37:39,375
-11:15:01,562;-38:37:48,750
-11:15:01,562;-38:37:58,125
-11:15:01,562;-38:38:07,500
-11:15:01,562;-38:38:16,875
-11:15:01,562;-38:38:26,250
-11:15:01,562;-38:38:35,625
-11:15:01,562;-38:38:45,000
-11:15:01,562;-38:38:54,375
-11:15:01,562;-38:39:03,750
-11:15:01,562;-38:39:13,125
-11:15:01,562;-38:39:22,500
-11:15:01,562;-38:39:31,875
-11:15:01,562;-38:39:41,250
-11:15:01,562;-38:39:50,625
-11:15:01,562;-38:40:00,000
-11:15:01,562;-38:40:09,375
-11:15:01,562;-38:40:18,750
-11:15:01,562;-38:40:28,125
-11:15:01,562;-38:40:37,500
-11:15:01,562;-38:40:46,875
-11:15:01,562;-38:40:56,250
-11:15:01,562;-38:41:05,625
-11:15:01,562;-38:41:15,000
-11:15:01,562;-38:41:24,375
-11:15:01,562;-38:41:33,750

-11:15:01,562;-38:41:43,125

-11:15:01,562;-38:41:52,500

-11:15:01,562;-38:42:01,875

-11:15:01,562;-38:42:11,250

-11:15:01,562;-38:42:20,625

-11:15:01,562;-38:42:30,000

-11:15:01,562;-38:42:39,375

-11:15:01,562;-38:42:48,750

-11:15:01,562;-38:42:58,125

-11:15:01,562;-38:43:07,500

-11:15:01,562;-38:43:16,875

-11:15:01,562;-38:43:26,250

-11:15:01,562;-38:43:35,625

-11:15:01,562;-38:43:45,000

-11:15:01,562;-38:43:54,375

-11:15:01,562;-38:44:03,750

-11:15:01,562;-38:44:13,125

-11:15:01,562;-38:44:22,500

-11:15:01,562;-38:44:31,875

-11:15:01,562;-38:44:41,250

-11:15:01,562;-38:44:50,625

-11:15:01,561;-38:45:00,000

-11:07:30,000;-38:45:00,000

-11:07:30,000;-38:37:30,000

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-11:07:30,000;-38:30:00,000

-11:15:00,000;-38:30:00,000

-11:15:00,000;-38:37:30,000

-11:07:30,000;-38:37:30,000

-11:07:30,000;-38:30:00,000

TUC-T-133

-11:07:30,000;-38:22:30,000

-11:15:00,000;-38:22:30,000

-11:15:00,000;-38:30:00,000

-11:07:30,000;-38:30:00,000

-11:07:30,000;-38:22:30,000

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-11:15:00,000;-38:45:00,000

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-11:15:01,561;-38:45:01,290

-11:15:10,937;-38:45:01,290

-11:15:20,312;-38:45:01,290

-11:15:29,687;-38:45:01,290

-11:15:39,062;-38:45:01,290

-11:15:48,437;-38:45:01,290

-11:15:57,812;-38:45:01,290

-11:16:07,187;-38:45:01,290

-11:16:16,562;-38:45:01,290

-11:16:25,937;-38:45:01,290

-11:16:35,312;-38:45:01,290

-11:16:44,687;-38:45:01,290

-11:16:54,062;-38:45:01,290

-11:17:03,437;-38:45:01,290

-11:17:12,812;-38:45:01,290

-11:17:22,187;-38:45:01,290

-11:17:31,563;-38:45:01,290

-11:17:40,938;-38:45:01,290

-11:17:50,313;-38:45:01,290

-11:17:59,688;-38:45:01,290

-11:18:09,063;-38:45:01,290

-11:18:18,438;-38:45:01,290

-11:18:27,813;-38:45:01,290

-11:18:37,188;-38:45:01,290

-11:18:46,563;-38:45:01,290

-11:18:55,938;-38:45:01,290

-11:19:05,313;-38:45:01,290

-11:19:14,688;-38:45:01,290

-11:19:24,063;-38:45:01,290

-11:19:33,438;-38:45:01,290

-11:19:42,813;-38:45:01,290

-11:19:52,189;-38:45:01,290

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-11:20:10,939;-38:45:01,290	-11:22:31,566;-38:32:20,625	-11:21:54,065;-38:37:31,287
-11:20:20,314;-38:45:01,290	-11:22:31,566;-38:32:30,000	-11:21:44,690;-38:37:31,287
-11:20:29,689;-38:45:01,290	-11:22:31,566;-38:32:39,375	-11:21:35,315;-38:37:31,287
-11:20:39,064;-38:45:01,290	-11:22:31,566;-38:32:48,750	-11:21:25,940;-38:37:31,287
-11:20:48,439;-38:45:01,291	-11:22:31,566;-38:32:58,125	-11:21:16,565;-38:37:31,287
-11:20:57,814;-38:45:01,291	-11:22:31,566;-38:33:07,500	-11:21:07,190;-38:37:31,287
-11:21:07,189;-38:45:01,291	-11:22:31,566;-38:33:16,875	-11:20:57,815;-38:37:31,287
-11:21:16,564;-38:45:01,291	-11:22:31,566;-38:33:26,250	-11:20:48,440;-38:37:31,287
-11:21:25,939;-38:45:01,291	-11:22:31,566;-38:33:35,625	-11:20:39,064;-38:37:31,287
-11:21:35,314;-38:45:01,291	-11:22:31,566;-38:33:45,000	-11:20:29,689;-38:37:31,287
-11:21:44,689;-38:45:01,291	-11:22:31,566;-38:33:54,375	-11:20:20,314;-38:37:31,287
-11:21:54,064;-38:45:01,291	-11:22:31,565;-38:34:03,750	-11:20:10,939;-38:37:31,286
-11:22:03,439;-38:45:01,291	-11:22:31,565;-38:34:13,125	-11:20:01,564;-38:37:31,286
-11:22:12,815;-38:45:01,291	-11:22:31,565;-38:34:22,500	-11:19:52,189;-38:37:31,286
-11:22:22,190;-38:45:01,291	-11:22:31,565;-38:34:31,875	-11:19:42,814;-38:37:31,286
-11:22:30,000;-38:45:01,291	-11:22:31,565;-38:34:41,250	-11:19:33,439;-38:37:31,286
-11:22:30,000;-38:52:30,000	-11:22:31,565;-38:34:50,625	-11:19:24,064;-38:37:31,286
-11:15:00,000;-38:52:30,000	-11:22:31,565;-38:35:00,000	-11:19:14,689;-38:37:31,286
-11:15:00,000;-38:45:00,000	-11:22:31,565;-38:35:09,375	-11:19:05,314;-38:37:31,286
	-11:22:31,565;-38:35:18,750	-11:18:55,939;-38:37:31,286
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-11:15:00,000;-38:30:00,000	-11:22:31,565;-38:35:37,500	-11:18:37,189;-38:37:31,286
-11:22:31,566;-38:30:00,000	-11:22:31,565;-38:35:46,875	-11:18:27,814;-38:37:31,286
-11:22:31,566;-38:30:09,375	-11:22:31,565;-38:35:56,250	-11:18:18,438;-38:37:31,286
-11:22:31,566;-38:30:18,750	-11:22:31,565;-38:36:05,625	-11:18:09,063;-38:37:31,286
-11:22:31,566;-38:30:28,125	-11:22:31,565;-38:36:15,000	-11:17:59,688;-38:37:31,286
-11:22:31,566;-38:30:37,500	-11:22:31,565;-38:36:24,375	-11:17:50,313;-38:37:31,286
-11:22:31,566;-38:30:46,875	-11:22:31,565;-38:36:33,750	-11:17:40,938;-38:37:31,286
-11:22:31,566;-38:30:56,250	-11:22:31,565;-38:36:43,125	-11:17:31,563;-38:37:31,286
-11:22:31,566;-38:31:05,625	-11:22:31,565;-38:36:52,500	-11:17:22,188;-38:37:31,286
-11:22:31,566;-38:31:15,000	-11:22:31,565;-38:37:01,875	-11:17:12,813;-38:37:31,286
-11:22:31,566;-38:31:24,375	-11:22:31,565;-38:37:11,250	-11:17:03,438;-38:37:31,286
-11:22:31,566;-38:31:33,750	-11:22:31,565;-38:37:20,625	-11:16:54,063;-38:37:31,286
-11:22:31,566;-38:31:43,125	-11:22:31,565;-38:37:31,287	-11:16:44,688;-38:37:31,286
-11:22:31,566;-38:31:52,500	-11:22:22,190;-38:37:31,287	-11:16:35,313;-38:37:31,286
-11:22:31,566;-38:32:01,875	-11:22:12,815;-38:37:31,287	-11:16:25,938;-38:37:31,286

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-11:16:07,188;-38:37:31,286	-11:22:31,566;-38:26:05,625	-11:22:31,567;-38:15:56,250
-11:15:57,812;-38:37:31,286	-11:22:31,566;-38:26:15,000	-11:22:31,567;-38:16:05,625
-11:15:48,437;-38:37:31,286	-11:22:31,566;-38:26:24,375	-11:22:31,567;-38:16:15,000
-11:15:39,062;-38:37:31,286	-11:22:31,566;-38:26:33,750	-11:22:31,567;-38:16:24,375
-11:15:29,687;-38:37:31,286	-11:22:31,566;-38:26:43,125	-11:22:31,567;-38:16:33,750
-11:15:20,312;-38:37:31,286	-11:22:31,566;-38:26:52,500	-11:22:31,567;-38:16:43,125
-11:15:10,937;-38:37:31,286	-11:22:31,566;-38:27:01,875	-11:22:31,567;-38:16:52,500
-11:15:01,562;-38:37:31,286	-11:22:31,566;-38:27:11,250	-11:22:31,567;-38:17:01,875
-11:15:01,562;-38:37:30,000	-11:22:31,566;-38:27:20,625	-11:22:31,567;-38:17:11,250
-11:15:00,000;-38:37:30,000	-11:22:31,566;-38:27:30,000	-11:22:31,567;-38:17:20,625
-11:15:00,000;-38:30:00,000	-11:22:31,566;-38:27:39,375	-11:22:31,567;-38:17:30,000
	-11:22:31,566;-38:27:48,750	-11:22:31,567;-38:17:39,375
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-11:15:00,000;-38:22:30,000	-11:22:31,566;-38:28:07,500	-11:22:31,567;-38:17:58,125
-11:22:31,566;-38:22:30,000	-11:22:31,566;-38:28:16,875	-11:22:31,567;-38:18:07,500
-11:22:31,566;-38:22:39,375	-11:22:31,566;-38:28:26,250	-11:22:31,567;-38:18:16,875
-11:22:31,566;-38:22:48,750	-11:22:31,566;-38:28:35,625	-11:22:31,567;-38:18:26,250
-11:22:31,566;-38:22:58,125	-11:22:31,566;-38:28:45,000	-11:22:31,567;-38:18:35,625
-11:22:31,566;-38:23:07,500	-11:22:31,566;-38:28:54,375	-11:22:31,567;-38:18:45,000
-11:22:31,566;-38:23:16,875	-11:22:31,566;-38:29:03,750	-11:22:31,567;-38:18:54,375
-11:22:31,566;-38:23:26,250	-11:22:31,566;-38:29:13,125	-11:22:31,567;-38:19:03,750
-11:22:31,566;-38:23:35,625	-11:22:31,566;-38:29:22,500	-11:22:31,567;-38:19:13,125
-11:22:31,566;-38:23:45,000	-11:22:31,566;-38:29:31,875	-11:22:31,567;-38:19:22,500
-11:22:31,566;-38:23:54,375	-11:22:31,566;-38:29:41,250	-11:22:31,567;-38:19:31,875
-11:22:31,566;-38:24:03,750	-11:22:31,566;-38:29:50,625	-11:22:31,567;-38:19:41,250
-11:22:31,566;-38:24:13,125	-11:22:31,566;-38:30:00,000	-11:22:31,567;-38:19:50,625
-11:22:31,566;-38:24:22,500	-11:15:00,000;-38:30:00,000	-11:22:31,567;-38:20:00,000
-11:22:31,566;-38:24:31,875	-11:15:00,000;-38:22:30,000	-11:22:31,567;-38:20:09,375
-11:22:31,566;-38:24:41,250		-11:22:31,566;-38:20:18,750
-11:22:31,566;-38:24:50,625	<u>TUC-T-142</u>	-11:22:31,566;-38:20:28,125
-11:22:31,566;-38:25:00,000	-11:15:00,000;-38:15:00,000	-11:22:31,566;-38:20:37,500
-11:22:31,566;-38:25:09,375	-11:22:31,567;-38:15:00,000	-11:22:31,566;-38:20:46,875
-11:22:31,566;-38:25:18,750	-11:22:31,567;-38:15:09,375	-11:22:31,566;-38:20:56,250
-11:22:31,566;-38:25:28,125	-11:22:31,567;-38:15:18,750	-11:22:31,566;-38:21:05,625
-11:22:31,566;-38:25:37,500	-11:22:31,567;-38:15:28,125	-11:22:31,566;-38:21:15,000
-11:22:31,566;-38:25:46,875	-11:22:31,567;-38:15:37,500	-11:22:31,566;-38:21:24,375

-11:22:31,566;-38:21:33,750	-11:26:33,750;-38:45:01,291	-11:28:54,375;-38:15:01,275
-11:22:31,566;-38:21:43,125	-11:26:43,125;-38:45:01,291	-11:28:45,000;-38:15:01,275
-11:22:31,566;-38:21:52,500	-11:26:52,500;-38:45:01,291	-11:28:35,625;-38:15:01,275
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-11:22:31,566;-38:22:20,625	-11:27:20,625;-38:45:01,291	-11:28:07,500;-38:15:01,275
-11:22:31,566;-38:22:30,000	-11:27:30,000;-38:45:01,291	-11:27:58,125;-38:15:01,275
-11:15:00,000;-38:22:30,000	-11:27:39,375;-38:45:01,291	-11:27:48,750;-38:15:01,275
-11:15:00,000;-38:15:00,000	-11:27:48,750;-38:45:01,291	-11:27:39,375;-38:15:01,275
	-11:27:58,125;-38:45:01,291	-11:27:30,000;-38:15:01,275
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-11:22:30,000;-38:45:01,291	-11:28:16,875;-38:45:01,291	-11:27:11,250;-38:15:01,275
-11:22:39,375;-38:45:01,291	-11:28:26,250;-38:45:01,291	-11:27:01,875;-38:15:01,275
-11:22:48,750;-38:45:01,291	-11:28:35,625;-38:45:01,291	-11:26:52,500;-38:15:01,275
-11:22:58,125;-38:45:01,291	-11:28:45,000;-38:45:01,291	-11:26:43,125;-38:15:01,275
-11:23:07,500;-38:45:01,291	-11:28:54,375;-38:45:01,291	-11:26:33,750;-38:15:01,275
-11:23:16,875;-38:45:01,291	-11:29:03,750;-38:45:01,291	-11:26:24,375;-38:15:01,275
-11:23:26,250;-38:45:01,291	-11:29:13,125;-38:45:01,291	-11:26:15,000;-38:15:01,275
-11:23:35,625;-38:45:01,291	-11:29:22,500;-38:45:01,291	-11:26:05,625;-38:15:01,275
-11:23:45,000;-38:45:01,291	-11:29:31,875;-38:45:01,291	-11:25:56,250;-38:15:01,275
-11:23:54,375;-38:45:01,291	-11:29:41,250;-38:45:01,291	-11:25:46,875;-38:15:01,275
-11:24:03,750;-38:45:01,291	-11:29:50,625;-38:45:01,291	-11:25:37,500;-38:15:01,275
-11:24:13,125;-38:45:01,291	-11:30:00,000;-38:45:01,291	-11:25:28,125;-38:15:01,275
-11:24:22,500;-38:45:01,291	-11:30:00,000;-38:52:30,000	-11:25:18,750;-38:15:01,275
-11:24:31,875;-38:45:01,291	-11:22:30,000;-38:52:30,000	-11:25:09,375;-38:15:01,275
-11:24:41,250;-38:45:01,291	-11:22:30,000;-38:45:01,291	-11:25:00,000;-38:15:01,275
-11:24:50,625;-38:45:01,291		-11:24:50,625;-38:15:01,275
-11:25:00,000;-38:45:01,291	<u>TUC-T-151</u>	-11:24:41,250;-38:15:01,275
-11:25:09,375;-38:45:01,291	-11:22:30,000;-38:07:30,000	-11:24:31,875;-38:15:01,275
-11:25:18,750;-38:45:01,291	-11:30:00,000;-38:07:30,000	-11:24:22,500;-38:15:01,275
-11:25:28,125;-38:45:01,291	-11:30:00,000;-38:15:01,275	-11:24:13,125;-38:15:01,275
-11:25:37,500;-38:45:01,291	-11:29:50,625;-38:15:01,275	-11:24:03,750;-38:15:01,275
-11:25:46,875;-38:45:01,291	-11:29:41,250;-38:15:01,275	-11:23:54,375;-38:15:01,275
-11:25:56,250;-38:45:01,291	-11:29:31,875;-38:15:01,275	-11:23:45,000;-38:15:01,275
-11:26:05,625;-38:45:01,291	-11:29:22,500;-38:15:01,275	-11:23:35,625;-38:15:01,275
-11:26:15,000;-38:45:01,291	-11:29:13,125;-38:15:01,275	-11:23:26,250;-38:15:01,275
-11:26:24,375;-38:45:01,291	-11:29:03,750;-38:15:01,275	-11:23:16,875;-38:15:01,275

-11:23:07,500;-38:15:01,275	-11:34:13,125;-38:45:01,292	-11:37:40,947;-38:37:31,288
-11:22:58,125;-38:15:01,275	-11:34:22,500;-38:45:01,292	-11:37:50,322;-38:37:31,288
-11:22:48,750;-38:15:01,275	-11:34:31,875;-38:45:01,292	-11:37:59,697;-38:37:31,288
-11:22:39,375;-38:15:01,275	-11:34:41,250;-38:45:01,292	-11:38:09,072;-38:37:31,288
-11:22:31,567;-38:15:01,275	-11:34:50,625;-38:45:01,292	-11:38:18,447;-38:37:31,288
-11:22:31,567;-38:15:00,000	-11:35:00,000;-38:45:01,292	-11:38:27,822;-38:37:31,288
-11:22:30,000;-38:15:00,000	-11:35:09,375;-38:45:01,292	-11:38:37,197;-38:37:31,288
-11:22:30,000;-38:07:30,000	-11:35:18,750;-38:45:01,292	-11:38:46,572;-38:37:31,288
	-11:35:28,125;-38:45:01,292	-11:38:55,947;-38:37:31,288
<u>TUC-T-154</u>	-11:35:37,500;-38:45:01,292	-11:39:05,322;-38:37:31,288
-11:30:00,000;-38:45:01,291	-11:35:46,875;-38:45:01,292	-11:39:14,697;-38:37:31,288
-11:30:09,375;-38:45:01,291	-11:35:56,250;-38:45:01,292	-11:39:24,072;-38:37:31,288
-11:30:18,750;-38:45:01,291	-11:36:05,625;-38:45:01,292	-11:39:33,448;-38:37:31,288
-11:30:28,125;-38:45:01,291	-11:36:15,000;-38:45:01,292	-11:39:42,823;-38:37:31,288
-11:30:37,500;-38:45:01,291	-11:36:24,375;-38:45:01,292	-11:39:52,198;-38:37:31,288
-11:30:46,875;-38:45:01,291	-11:36:33,750;-38:45:01,292	-11:40:01,573;-38:37:31,288
-11:30:56,250;-38:45:01,291	-11:36:43,125;-38:45:01,292	-11:40:10,948;-38:37:31,288
-11:31:05,625;-38:45:01,291	-11:36:52,500;-38:45:01,292	-11:40:20,323;-38:37:31,288
-11:31:15,000;-38:45:01,291	-11:37:01,875;-38:45:01,292	-11:40:29,698;-38:37:31,288
-11:31:24,375;-38:45:01,291	-11:37:11,250;-38:45:01,292	-11:40:39,073;-38:37:31,288
-11:31:33,750;-38:45:01,291	-11:37:20,625;-38:45:01,292	-11:40:48,448;-38:37:31,288
-11:31:43,125;-38:45:01,291	-11:37:30,000;-38:45:01,292	-11:40:57,823;-38:37:31,288
-11:31:52,500;-38:45:01,291	-11:37:30,000;-38:52:30,000	-11:41:07,198;-38:37:31,288
-11:32:01,875;-38:45:01,291	-11:30:00,000;-38:52:30,000	-11:41:16,573;-38:37:31,288
-11:32:11,250;-38:45:01,291	-11:30:00,000;-38:45:01,291	-11:41:25,948;-38:37:31,288
-11:32:20,625;-38:45:01,291		-11:41:35,323;-38:37:31,288
-11:32:30,000;-38:45:01,291	<u>TUC-T-161</u>	-11:41:44,698;-38:37:31,288
-11:32:39,375;-38:45:01,291	-11:37:30,000;-38:45:01,292	-11:41:54,073;-38:37:31,288
-11:32:48,750;-38:45:01,291	-11:37:31,571;-38:45:01,292	-11:42:03,449;-38:37:31,288
-11:32:58,125;-38:45:01,291	-11:37:31,571;-38:45:00,000	-11:42:12,824;-38:37:31,288
-11:33:07,500;-38:45:01,291	-11:45:00,000;-38:45:00,000	-11:42:22,199;-38:37:31,288
-11:33:16,875;-38:45:01,291	-11:45:00,000;-38:52:30,000	-11:42:31,574;-38:37:31,288
-11:33:26,250;-38:45:01,291	-11:37:30,000;-38:52:30,000	-11:42:40,949;-38:37:31,288
-11:33:35,625;-38:45:01,291	-11:37:30,000;-38:45:01,292	-11:42:50,324;-38:37:31,288
-11:33:45,000;-38:45:01,291		-11:42:59,699;-38:37:31,288
-11:33:54,375;-38:45:01,291	<u>TUC-T-162 (MAIN)</u>	-11:43:09,074;-38:37:31,288
-11:34:03,750;-38:45:01,292	-11:37:31,572;-38:37:31,288	-11:43:18,449;-38:37:31,288

-11:43:27,824;-38:37:31,288	-11:37:31,571;-38:41:05,625	-11:45:37,500;-38:37:31,288
-11:43:37,199;-38:37:31,288	-11:37:31,571;-38:40:56,250	-11:45:46,875;-38:37:31,288
-11:43:46,574;-38:37:31,288	-11:37:31,571;-38:40:46,875	-11:45:56,250;-38:37:31,288
-11:43:55,949;-38:37:31,288	-11:37:31,571;-38:40:37,500	-11:46:05,625;-38:37:31,288
-11:44:05,324;-38:37:31,288	-11:37:31,571;-38:40:28,125	-11:46:15,000;-38:37:31,288
-11:44:14,699;-38:37:31,288	-11:37:31,571;-38:40:18,750	-11:46:24,375;-38:37:31,288
-11:44:24,075;-38:37:31,288	-11:37:31,571;-38:40:09,375	-11:46:33,750;-38:37:31,289
-11:44:33,450;-38:37:31,288	-11:37:31,571;-38:40:00,000	-11:46:43,125;-38:37:31,289
-11:44:42,825;-38:37:31,288	-11:37:31,571;-38:39:50,625	-11:46:52,500;-38:37:31,289
-11:44:52,200;-38:37:31,288	-11:37:31,571;-38:39:41,250	-11:47:01,875;-38:37:31,289
-11:45:00,000;-38:37:31,288	-11:37:31,571;-38:39:31,875	-11:47:11,250;-38:37:31,289
-11:45:00,000;-38:45:00,000	-11:37:31,571;-38:39:22,500	-11:47:20,625;-38:37:31,289
-11:37:31,571;-38:45:00,000	-11:37:31,572;-38:39:13,125	-11:47:30,000;-38:37:31,289
-11:37:31,571;-38:44:50,625	-11:37:31,572;-38:39:03,750	-11:47:39,375;-38:37:31,289
-11:37:31,571;-38:44:41,250	-11:37:31,572;-38:38:54,375	-11:47:48,750;-38:37:31,289
-11:37:31,571;-38:44:31,875	-11:37:31,572;-38:38:45,000	-11:47:58,125;-38:37:31,289
-11:37:31,571;-38:44:22,500	-11:37:31,572;-38:38:35,625	-11:48:07,500;-38:37:31,289
-11:37:31,571;-38:44:13,125	-11:37:31,572;-38:38:26,250	-11:48:16,875;-38:37:31,289
-11:37:31,571;-38:44:03,750	-11:37:31,572;-38:38:16,875	-11:48:26,250;-38:37:31,289
-11:37:31,571;-38:43:54,375	-11:37:31,572;-38:38:07,500	-11:48:35,625;-38:37:31,289
-11:37:31,571;-38:43:45,000	-11:37:31,572;-38:37:58,125	-11:48:45,000;-38:37:31,289
-11:37:31,571;-38:43:35,625	-11:37:31,572;-38:37:48,750	-11:48:54,375;-38:37:31,289
-11:37:31,571;-38:43:26,250	-11:37:31,572;-38:37:39,375	-11:49:03,750;-38:37:31,289
-11:37:31,571;-38:43:16,875	-11:37:31,572;-38:37:31,288	-11:49:13,125;-38:37:31,289
-11:37:31,571;-38:43:07,500		-11:49:22,500;-38:37:31,289
-11:37:31,571;-38:42:58,125	<u>TUC-T-162 (EXCLUSION)</u>	-11:49:31,875;-38:37:31,289
-11:37:31,571;-38:42:48,750	-11:39:50,625;-38:40:56,250	-11:49:41,250;-38:37:31,289
-11:37:31,571;-38:42:39,375	-11:41:24,375;-38:40:56,250	-11:49:50,625;-38:37:31,289
-11:37:31,571;-38:42:30,000	-11:41:24,375;-38:39:50,625	-11:50:00,000;-38:37:31,289
-11:37:31,571;-38:42:20,625	-11:39:50,625;-38:39:50,625	-11:50:09,375;-38:37:31,289
-11:37:31,571;-38:42:11,250	-11:39:50,625;-38:40:56,250	-11:50:18,750;-38:37:31,289
-11:37:31,571;-38:42:01,875		-11:50:28,125;-38:37:31,289
-11:37:31,571;-38:41:52,500	<u>TUC-T-167</u>	-11:50:37,500;-38:37:31,289
-11:37:31,571;-38:41:43,125	-11:45:00,000;-38:37:31,288	-11:50:46,875;-38:37:31,289
-11:37:31,571;-38:41:33,750	-11:45:09,375;-38:37:31,288	-11:50:56,250;-38:37:31,289
-11:37:31,571;-38:41:24,375	-11:45:18,750;-38:37:31,288	-11:51:05,625;-38:37:31,289
-11:37:31,571;-38:41:15,000	-11:45:28,125;-38:37:31,288	-11:51:15,000;-38:37:31,289

-11:51:24,375;-38:37:31,289	-11:55:57,829;-38:37:50,039	<u>TUC-T-178</u>
-11:51:33,750;-38:37:31,289	-11:55:57,829;-38:37:59,414	-12:00:00,000;-38:26:15,000
-11:51:43,125;-38:37:31,289	-11:55:57,829;-38:38:08,790	-12:02:30,000;-38:26:15,000
-11:51:52,500;-38:37:31,289	-11:56:07,204;-38:38:08,790	-12:02:30,000;-38:30:00,000
-11:52:01,875;-38:37:31,289	-11:56:16,580;-38:38:08,790	-12:00:01,582;-38:30:00,000
-11:52:11,250;-38:37:31,289	-11:56:25,955;-38:38:08,790	-12:00:01,582;-38:29:50,625
-11:52:20,625;-38:37:31,289	-11:56:35,330;-38:38:08,790	-12:00:01,582;-38:29:41,250
-11:52:30,000;-38:37:31,289	-11:56:44,705;-38:38:08,790	-12:00:01,582;-38:29:31,875
-11:52:30,000;-38:45:00,000	-11:56:54,080;-38:38:08,790	-12:00:01,582;-38:29:22,500
-11:45:00,000;-38:45:00,000	-11:57:03,455;-38:38:08,790	-12:00:01,582;-38:29:13,125
-11:45:00,000;-38:37:31,288	-11:57:12,830;-38:38:08,790	-12:00:01,582;-38:29:03,750
	-11:57:22,205;-38:38:08,790	-12:00:01,582;-38:28:54,375
<u>TUC-T-172</u>	-11:57:31,580;-38:38:08,790	-12:00:01,582;-38:28:45,000
-11:52:30,000;-38:37:31,289	-11:57:40,955;-38:38:08,790	-12:00:01,582;-38:28:35,625
-11:52:39,375;-38:37:31,289	-11:57:50,330;-38:38:08,790	-12:00:01,582;-38:28:26,250
-11:52:48,750;-38:37:31,289	-11:57:59,705;-38:38:08,790	-12:00:01,582;-38:28:16,875
-11:52:58,125;-38:37:31,289	-11:58:09,080;-38:38:08,790	-12:00:01,582;-38:28:07,500
-11:53:07,500;-38:37:31,289	-11:58:18,455;-38:38:08,790	-12:00:01,582;-38:27:58,125
-11:53:16,875;-38:37:31,289	-11:58:27,830;-38:38:08,790	-12:00:01,582;-38:27:48,750
-11:53:26,250;-38:37:31,289	-11:58:37,206;-38:38:08,790	-12:00:01,582;-38:27:39,375
-11:53:35,625;-38:37:31,289	-11:58:37,206;-38:37:59,415	-12:00:01,582;-38:27:30,000
-11:53:45,000;-38:37:31,289	-11:58:37,206;-38:37:50,040	-12:00:01,582;-38:27:20,625
-11:53:54,375;-38:37:31,289	-11:58:37,206;-38:37:40,665	-12:00:01,582;-38:27:11,250
-11:54:03,750;-38:37:31,289	-11:58:37,206;-38:37:31,289	-12:00:01,582;-38:27:01,875
-11:54:13,125;-38:37:31,289	-11:58:46,581;-38:37:31,289	-12:00:01,582;-38:26:52,500
-11:54:22,500;-38:37:31,289	-11:58:55,956;-38:37:31,289	-12:00:01,582;-38:26:43,125
-11:54:31,875;-38:37:31,289	-11:59:05,331;-38:37:31,289	-12:00:01,582;-38:26:33,750
-11:54:41,250;-38:37:31,289	-11:59:14,706;-38:37:31,290	-12:00:01,582;-38:26:24,375
-11:54:50,625;-38:37:31,289	-11:59:24,081;-38:37:31,290	-12:00:01,582;-38:26:16,284
-11:55:00,000;-38:37:31,289	-11:59:33,456;-38:37:31,290	-12:00:00,000;-38:26:16,284
-11:55:09,375;-38:37:31,289	-11:59:42,831;-38:37:31,290	-12:00:00,000;-38:26:15,000
-11:55:18,750;-38:37:31,289	-11:59:52,206;-38:37:31,290	-12:15:00,000;-38:00:00,000
-11:55:28,125;-38:37:31,289	-12:00:00,000;-38:37:31,290	
-11:55:37,500;-38:37:31,289	-12:00:00,000;-38:45:00,000	
-11:55:46,875;-38:37:31,289	-11:52:30,000;-38:45:00,000	
-11:55:57,829;-38:37:31,289	-11:52:30,000;-38:37:31,289	
-11:55:57,829;-38:37:40,664		

PART 2 – AREAS WITH MARGINAL ACCUMULATIONS

Table 15 – Details of the Areas with Marginal Accumulations Offered under the Open Acreage Concession Modality – Technical and Economical Parameters

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
No.	Basin	Environment	Area with marginal accumulation ¹	Area (Km ²)	Exploration Model	Sector	Minimum Qualification	Bid Bond (BRL)	Minimum Signature Bonus (BRL)	Royalty Fee (%)	Retention of Areas (BRL/Km ² /year)	Exploration Phase (years)	PTI (Description)	PTI (BRL)	Selected Wells
1	Espírito Santo	Onshore	Rio Ibiribas	3,158	Mature	SES-T6	D	10.000,00	26.000,00	5%	47,70	3	Rehabilitation of one (1) well	900.000,00	1RIB 0001 ES 3FSJ 0003 ES
2	Recôncavo	Onshore	Miranga Leste	0,898	Mature	SREC-T4	D	10.000,00	26.000,00	5%	47,70	3	Rehabilitation of one (1) well	900.000,00	4MGL 0001 BA 3MGL 0002 BA
3	Solimões	onshore	Juruá	331,798	New frontier	SSOL-C	B	120.000,00	1.472.000,00	5%	47,70	6	Rehabilitation of four (4) wells	3.600.000,00	1-JI-0001-AM 3-JI-0002-AM 3-JI-0004-AM 3-JR-0004-AM

Notes:

(1) The exploration phase may be extended under the concession agreement.

(2) Fees for occupation or retention of areas, in Reais per km², in January 2019, applicable to the exploration phase. These fees shall be paid and adjusted annually, as of the date of execution of the concession agreement, according to the IGP-DI accrued in the 12 months preceding the date of each adjustment, as provided for in art. 28 of Decree No. 2,705/98. These fees shall be increased by 100% in case of extension of the exploration phase, when applicable, and for the development stage. The fees shall be increased by 900% for the production phase.

(3) Bidders shall be qualified as operators or non-operators. Those qualified as operators shall be classified as follows: operator A to operate blocks located in deepwater/ultra-deepwater, shallow water, and onshore; operator B to operate blocks located in shallow water and onshore; operator C to operate only blocks located onshore; and operator D to operate only onshore areas with marginal accumulations.

Coordinates for the Areas with Marginal Accumulations under the Open Acreage Concession Modality

For purposes of the Open Acreage Concession Modality, the Brazilian sedimentary basins were divided into sectors, which, on their turn, were divided into areas with marginal accumulations.

Three areas with marginal accumulations are currently being offered under the Open Acreage Concession Modality, distributed across 3 mature sedimentary basins: Espírito Santo, Recôncavo, and Solimões.

The coordinates can be found in the coordinate system SIRGAS 2000 and are listed below in the form of texts. The coordinates have three decimal places, as established by Standard ANP4C.

The boundaries of the blocks surrounding the areas contracted (converted from SAD 69 to SIRGAS 2000) are provided with additional intermediate vertices to ensure a more accurate localization. On the list of coordinates, these vertices show coordinates rounded to the third decimal place for the seconds, pursuant to Standard ANP4C.

The Shapefile maps and the file for the areas with marginal accumulations will be available on the websites <http://rodadas.anp.gov.br> and [http://www.anp.gov.br/
www.anp/exploracao-e-producao-de-oleo-e-gas/dados-tecnicos](http://www.anp.gov.br/www.anp/exploracao-e-producao-de-oleo-e-gas/dados-tecnicos).

COORDINATES OF THE AREAS WITH MARGINAL ACCUMULATIONS

Basin of Espírito Santo

RIO IBIRIBAS

-19:12:11,250;-39:54:13,125

-19:10:56,250;-39:54:13,125

-19:10:56,250;-39:53:26,250

-19:12:11,250;-39:53:26,250

-19:12:11,250;-39:54:13,125

Basin of Recôncavo

MIRANGA LESTE

-12:19:24,092;-38:09:14,401
-12:19:14,716;-38:09:14,401
-12:19:05,341;-38:09:14,401
-12:19:05,341;-38:09:05,026
-12:18:55,966;-38:09:05,026
-12:18:55,966;-38:08:55,651
-12:18:55,966;-38:08:46,276
-12:18:55,966;-38:08:36,901
-12:19:05,341;-38:08:36,901
-12:19:14,717;-38:08:36,901
-12:19:24,092;-38:08:36,901
-12:19:24,092;-38:08:46,276
-12:19:24,092;-38:08:55,651
-12:19:24,092;-38:09:05,026
-12:19:24,092;-38:09:14,401

Basin of Solimões**Juruá**

-04:48:16,875;-66:21:24,375	-04:49:14,446;-66:15:39,450	-04:55:38,822;-66:26:33,750
-04:47:01,875;-66:21:24,375	-04:49:23,821;-66:15:39,450	-04:55:38,822;-66:26:43,125
-04:47:01,875;-66:19:31,875	-04:49:23,821;-66:15:48,825	-04:55:38,822;-66:26:52,500
-04:45:46,875;-66:19:31,875	-04:49:23,821;-66:15:58,200	-04:55:38,822;-66:27:01,875
-04:45:46,875;-66:16:33,750	-04:49:23,821;-66:16:07,575	-04:55:38,822;-66:27:11,250
-04:45:09,375;-66:16:33,750	-04:49:23,821;-66:16:16,950	-04:55:38,822;-66:27:20,625
-04:45:09,375;-66:15:00,000	-04:49:23,821;-66:16:26,325	-04:55:38,822;-66:27:30,000
-04:42:39,375;-66:15:00,000	-04:49:23,821;-66:16:35,700	-04:55:38,822;-66:27:39,375
-04:42:39,375;-66:13:54,375	-04:49:23,820;-66:16:45,075	-04:55:38,821;-66:27:48,750
-04:41:24,375;-66:13:54,375	-04:49:23,820;-66:16:54,450	-04:55:38,821;-66:27:58,125
-04:41:24,375;-66:12:30,000	-04:49:23,820;-66:17:03,826	-04:55:38,821;-66:28:07,500
-04:39:31,875;-66:12:30,000	-04:49:23,820;-66:17:13,201	-04:55:38,821;-66:28:16,875
-04:39:31,875;-66:08:54,375	-04:49:23,820;-66:17:22,576	-04:55:38,821;-66:28:26,250
-04:42:01,875;-66:08:54,375	-04:49:23,820;-66:17:31,951	-04:55:38,821;-66:28:35,625
-04:42:01,875;-66:09:31,875	-04:49:33,195;-66:17:31,951	-04:55:38,821;-66:28:45,000
-04:42:30,000;-66:09:31,875	-04:49:42,571;-66:17:31,951	-04:55:38,821;-66:28:54,375
-04:42:30,000;-66:10:00,000	-04:49:51,946;-66:17:31,951	-04:55:38,821;-66:29:03,750
-04:43:16,875;-66:10:00,000	-04:50:01,321;-66:17:31,951	-04:55:38,821;-66:29:13,125
-04:43:16,875;-66:10:46,875	-04:50:10,696;-66:17:31,951	-04:55:38,821;-66:29:22,500
-04:44:31,875;-66:10:46,875	-04:50:20,071;-66:17:31,951	-04:55:38,821;-66:29:31,875
-04:44:31,875;-66:11:24,375	-04:50:29,446;-66:17:31,951	-04:55:38,821;-66:29:41,250
-04:45:00,000;-66:11:24,375	-04:50:38,821;-66:17:31,951	-04:55:38,821;-66:29:50,625
-04:45:00,000;-66:12:01,875	-04:50:38,821;-66:17:41,326	-04:55:38,821;-66:30:00,000
-04:46:24,375;-66:12:01,875	-04:50:38,821;-66:17:50,701	-04:55:38,821;-66:30:09,375
-04:46:24,375;-66:12:30,000	-04:50:38,821;-66:18:00,076	-04:55:38,821;-66:30:18,750
-04:47:01,875;-66:12:30,000	-04:50:38,821;-66:18:09,451	-04:55:38,821;-66:30:28,125
-04:47:01,875;-66:13:07,500	-04:50:38,821;-66:18:18,826	-04:55:38,821;-66:30:37,500
-04:47:39,375;-66:13:07,500	-04:50:38,821;-66:18:28,201	-04:55:38,821;-66:30:46,875
-04:47:39,375;-66:14:24,450	-04:50:38,821;-66:18:37,576	-04:55:38,821;-66:30:56,250
-04:47:48,750;-66:14:24,450	-04:50:38,821;-66:18:46,951	-04:55:38,821;-66:31:05,625
-04:47:58,125;-66:14:24,450	-04:50:48,196;-66:18:46,951	-04:55:38,821;-66:31:16,955
-04:48:07,500;-66:14:24,450	-04:50:57,571;-66:18:46,951	-04:55:29,446;-66:31:16,955
-04:48:16,875;-66:14:24,450	-04:51:06,946;-66:18:46,951	-04:55:20,071;-66:31:16,955
-04:48:26,250;-66:14:24,450	-04:51:16,321;-66:18:46,951	-04:55:10,696;-66:31:16,955
-04:48:35,625;-66:14:24,450	-04:51:24,375;-66:18:46,951	-04:55:01,321;-66:31:16,955
-04:48:46,320;-66:14:24,450	-04:51:24,375;-66:20:00,000	-04:55:01,321;-66:31:26,330
-04:48:46,320;-66:14:33,825	-04:52:01,875;-66:20:00,000	-04:55:01,321;-66:31:35,705
-04:48:46,320;-66:14:43,200	-04:52:01,875;-66:21:24,375	-04:55:01,321;-66:31:45,080
-04:48:46,320;-66:14:52,575	-04:52:39,375;-66:21:24,375	-04:55:01,321;-66:31:54,455
-04:48:46,320;-66:15:01,950	-04:52:39,375;-66:23:16,875	-04:55:01,321;-66:32:01,875
-04:48:46,320;-66:15:11,325	-04:53:54,375;-66:23:16,875	-04:52:01,875;-66:32:01,875
-04:48:46,320;-66:15:20,700	-04:53:54,375;-66:24:31,875	-04:52:01,875;-66:29:31,875
-04:48:46,320;-66:15:30,075	-04:54:31,875;-66:24:31,875	-04:52:30,000;-66:29:31,875
-04:48:46,320;-66:15:39,450	-04:54:31,875;-66:25:46,875	-04:52:30,000;-66:28:54,375
-04:48:55,695;-66:15:39,450	-04:55:38,822;-66:25:46,875	-04:53:16,875;-66:28:54,375
-04:49:05,070;-66:15:39,450	-04:55:38,822;-66:25:56,250	-04:53:16,875;-66:27:01,875
	-04:55:38,822;-66:26:05,625	-04:51:43,125;-66:27:01,875
	-04:55:38,822;-66:26:15,000	-04:51:43,125;-66:25:00,000
	-04:55:38,822;-66:26:24,375	-04:49:31,875;-66:25:00,000

-04:49:31,875;-66:23:16,875
-04:48:16,875;-66:23:16,875

-04:48:16,875;-66:21:24,375

ANNEX II – REQUEST FOR REUSE OF DOCUMENTS

[insert bidder's corporate name], represented by its accredited representative(s), hereby requests to the National Agency of Petroleum, Natural Gas and Biofuels – ANP, aiming at its [insert enrollment, qualification or execution of agreement] in the Open Acreage Concession Modality, reuse of the documents indicated below, which were submitted to this Agency for purposes of enrollment or qualification, and execution of agreements in the Open Acreage Concession Modality, as well as for purposes of enrollment, qualification, and execution of agreements in the bidding rounds and contract awards procedures as of January 2019 and up to one (1) year of the date of request for reuse, and this term is not applicable to charters – which may be reused while effective – and to the documents for economic and financial qualification, and attests that information included in such documents are valid on the date hereof, under the penalties provided for in the applicable laws and regulations.

INSTRUCTIONS FOR FILLING OUT TABLE 16

1. Write an “X” beside each document under request for reuse (to be reused, the document shall have been submitted to ANP for purposes of enrollment, qualification, and execution of agreements in the Open Acreage Concession Modality, as well as for enrollment, expression of interest, qualification, and execution of agreements in the bidding rounds and contract awards procedures as of January 2019 and up to one (1) year of the date of request for performance and shall apply to the rules in this tender protocol).
2. The term referred to in item (1) is not applicable to charters, which may be reused while they are effective, and to the documents for economic and financial qualification.
3. Indicate for which bidding round or contract awards procedure the document was submitted, identifying for which Round it was submitted or filling out the number of the contract related to the assignment, in addition to filling out the “SEI” number for each document. For documents issued abroad, only fill out the number of the bidding round or agreement subject matter of the assignment for which the document has been submitted.
4. Fill out, at the end, the fields place, date, and name(s) of the accredited representative(s), according to the rules of submission of documents provided for in section 3 of this tender protocol.

Table 16 – Request for reuse of documents

No.	Document	X	No. of the Bidding Round	No. of the contract related to the Assignment	Document SEI No.
1	Acts of incorporation – articles of association or bylaws				
2	Evidence of the powers of the legal representatives and the latest act(s) related to the election/appointment of these representatives.				
3	Satisfaction of any conditions to exercise the representatives' powers, as set forth in the acts of incorporation				
4	Charter update statement				
5	Ownership structure detailing the entire chain of control of the corporate group				
6	Evidence that the company is organized under and is in regular standing with the laws of its country				
7	Technical Summary				
8	HSE Aspects				
9	Financial Statements for the last three years				
10	Independent auditors' report				
11	Summary of the Financial Statements				
12	Documents equivalent to the requirements of the tender protocol, if applicable – section 3.1.1				

[signature]

Signed by: *[insert the name(s) of the accredited representative(s) of the bidder]*

Place and date: *[insert place and date]*

ANNEX III – AUTHORIZATION FOR DISCLOSURE OF INFORMATION ON THE BIDDER

[insert bidder's corporate name], represented by its accredited representative(s), authorizes disclosure of the following information on the website <http://rodadas.anp.gov.br>:

Bidder: *[insert bidder's corporate name]*

Contact information

Name: *[insert contact's name]*

Title: *[insert contact's title]*

Phone Number: *[insert contact's phone number]*

Facsimile: *[insert contact's facsimile number]*

Email: *[insert contact's email address]*

Basins of interest: *[insert the name/acronym of the basins in which the bidder is interested]*

Notes: *[insert any notes]*

[insert bidder's corporate name] also states that it is aware that:

- a) ANP will not guarantee the authenticity of the abovementioned information and will not be responsible for any errors in the transcript of such information;
- b) it shall be fully responsible for any contacts it may make or any agreements executed thereby as a result of disclosure of the information above, therefore exempting ANP from the liability for any consequences, costs, or damages arising therefrom;
- c) no confidential information related to the data included in the technical data package provided by ANP and listed in section 5 of the Tender Protocol may be disclosed as a result of the contacts it may make, except the ones allowed by the confidentiality agreements of the Open Acreage Concession Modality;
- d) it must ensure, before discussion on any confidential information with any partner, that it paid the applicable participation fee and sent the confidentiality agreement to ANP, pursuant to ANNEX VIII;
- e) request for change in the information above must be made upon submission of a new authorization to ANP, under this annex, and its disclosure shall be made as established by this Agency;

- f) ANP reserves the right not to disclose any comments or information deemed improper or incorrect.

[signature]

Signed by: *[insert the name(s) of the accredited representative(s) of the bidder]*

Place and date: *[insert place and date]*

ANNEX IV – PAYMENT OF FEES FOR ACCESSING THE TECHNICAL DATA PACKAGE

[insert bidder's corporate name], represented by its accredited representative(s), under the penalties provided for in the applicable laws and regulations, hereby states that it will pay the fees for accessing the technical data package corresponding to the sectors indicated below in Tables 17A and/or 17B, and that it is aware: (i) of the amounts of the fees for accessing the data package, (ii) that not all sectors or groups of sectors available for acquisition of access to the technical data packages currently have blocks or areas offered, and (iii) of all other provisions of the Open Acreage Concession Modality tender protocol.

Table 17A – Fees for accessing the technical data package of the exploration blocks

Basin	Environment	Exploration Model	Sectors with data packages available	Sectors with blocks offered in the tender protocol	Fee for Accessing the Data Package (BRL)	Mark "X"
Amazonas	Onshore	New Frontier	SAM-O		60,000.00	
Camamu-Almada	Deep Water	New Frontier	SCAL-AP1	SCAL-AP1	120,000.00	
			SCAL-AP2	SCAL-AP2		
			SCAL-AUP	SCAL-AUP		
Campos	Deep Water	High Potential	SC-AP2		190,000.00	
			SC-AUP3	SC-AUP3		
			SC-AUP4	SC-AUP4		
	Shallow Water	High Potential	SC-AR2	SC-AR2	150,000.00	
			SC-AR3	SC-AR3		
			SC-AR4	SC-AR4		
Ceará	Deep Water	New Frontier	SCE-AP2	SCE-AP2	120,000.00	
			SCE-AP3	SCE-AP3		
Espírito Santo	Onshore	Mature	SES-T2	SES-T2	30,000.00	
			SES-T4	SES-T4		
			SES-T6	SES-T6		
	Deep Water	New Frontier	SES-AP1	SES-AP1	120,000.00	
			SES-AP2	SES-AP2		
Jacuípe			SJA-AP	SJA-AP	120,000.00	

	Deep Water	New Frontier	SJA-AUP	SJA-AUP		
Paraná	Onshore	New Frontier	SPAR-CN	SPAR-CN	60,000.00	
			SPAR-N	SPAR-N		

Basin	Environment	Exploration Model	Sectors with data packages available	Sectors with blocks offered in the tender protocol	Fee for Accessing the Data Package (BRL)	Mark "X"
Pará-Maranhão	Shallow Water	New Frontier	SPAMA-AR1		90,000.00	
Parnaíba	Onshore	New Frontier	SPN-N	SPN-N	60,000.00	
			SPN-O	SPN-O		
			SPN-SE	SPN-SE		
Pelotas	Deep Water	New Frontier	SP-AP4	SP-AP4	120,000.00	
			SP-AUP4	SP-AUP4		
	Shallow Water	New Frontier	SP-AR4	SP-AR4		
Pernambuco-Paraíba	Deep Water	New Frontier	SPEPB-AP3	SPEPB-AP3	120,000.00	
Potiguar	Deep Water	New Frontier	SPOT-AP1	SPOT-AP1	120,000.00	
	Shallow Water	New Frontier	SPOT-AR1	SPOT-AR1		
	Onshore	Mature	SPOT-T1B	SPOT-T1B	30,000.00	
			SPOT-T2	SPOT-T2		
			SPOT-T3	SPOT-T3		
			SPOT-T4	SPOT-T4		
			SPOT-T5	SPOT-T5		
Recôncavo	Onshore	Mature	SREC-T1	SREC-T1	30,000.00	
			SREC-T2	SREC-T2		
			SREC-T3	SREC-T3		
			SREC-T4	SREC-T4		
São Francisco	Onshore	New Frontier	SSF-S		60,000.00	
Santos	Deep Water	High Potential	SS-AUP1	SS-AUP1	190,000.00	
			SS-AUP5	SS-AUP5		

	Shallow Water	New Frontier	SS-AP4	SS-AP4	90,000.00	
		New Frontier	SS-AR2	SS-AR2		
			SS-AR3	SS-AR3		
			SS-AR4	SS-AR4		
Sergipe-Alagoas	Deep Water	High Potential	SSEAL-AP1	SSEAL-AP1	190,000.00	
			SSEAL-AP2	SSEAL-AP2		
		New Frontier	SSEAL-AUP1	SSEAL-AUP1		
			SSEAL-AUP2	SSEAL-AUP2		
	Onshore	Mature	SSEAL-T1	SSEAL-T1	30,000.00	
			SSEAL-T2	SSEAL-T2		
			SSEAL-T3	SSEAL-T3		
			SSEAL-T4			
			SSEAL-T5			
Tucano	Onshore	New Frontier	STUC-S	STUC-S	30,000.00	
		Total Sectors	57	51		

Table 17B – Payment of fees for accessing the technical data package of the areas with marginal accumulations

Basin	Area with marginal accumulation	Sectors with data packages available	Sectors with marginal accumulations offered in the tender protocol	Fee for Accessing the Data Package (BRL)	Mark "X"
Espírito Santo	Rio Ibiribas	SES-T6	SES-T6	15,000.00	
Recôncavo	Miranga Leste	SREC-T4	SREC-T4	15,000.00	
Solimões	Juruá	SSOL-C	SSOL-C	30,000.00	
Total Sectors		3	3		

[insert bidder's corporate name], also states that it is aware that ANP will not accept any request for reimbursement of the fees for accessing the technical data packages if the legal entity is not qualified or fails to obtain the intended qualification.

[Add the paragraph below if those picking up the technical data package are not accredited representatives of the legal entity.]

[insert bidder's corporate name] authorizes [insert the name of the individual authorized to receive the technical data package], bearer of identity card No. [insert identity card number], [insert title], to pick up the technical data package on its behalf.

[signature]

Signed by: *[insert the name(s) of the accredited representative(s) of the bidder]*

Place and date: *[insert place and date]*

ANNEX V – CHARTER UPDATE STATEMENT

[insert bidder's corporate name], represented by its accredited representative(s), under the penalties provided for in the applicable laws and regulations, hereby states that it submits to the National Agency of Petroleum, Natural Gas, and Biofuels – ANP, aiming at meeting the requirements included in the Open Acreage Concession Modality tender protocol, (i) a copy of the latest version of its articles or association or bylaws with the current provisions, (ii) evidence of the powers and names of its legal representatives, and (iii) evidence of satisfaction of any conditions to exercise the representatives' powers, as set forth in the acts of incorporation, if applicable.

[insert bidder's corporate name] hereby also declares that the legal representatives who sign the documents submitted to ANP, related to the Open Acreage Concession Modality, have full powers to do so, which can be evidenced upon checking of the following documents/provisions:

INSTRUCTIONS FOR FILLING OUT TABLE 18:

a) Mark a "X" next to each document (submitted for purposes of enrollment, qualification, or execution of agreement) that includes provisions related to evidence of the powers and names of the legal representatives. In case other documents are used for such evidence, they shall be detailed in item (4).

b) In the field evidence of the powers and names of the legal representatives:

b.1) fill out, in the column "Provision", the numbers of the sections, articles, items, sub-items, paragraphs, resolutions, etc. related to evidence of the powers and names of the legal representatives;

b.2) fill out, in the column "Page number", the page numbers included in the set of documents submitted to ANP for purposes of enrollment, qualification, or execution of agreements that correspond to the sections, articles, items, sub-items, paragraphs, resolutions, etc. related to evidence of the powers and names of the legal representatives.

c) In the field restrictions on exercise of the legal representatives' powers:

c.1) Fill out the columns "Provision" and "Page number" according to the instructions in items (b.1) and (b.2) above, in regard to the provisions in which there are conditions to the exercise of the legal representatives' powers (joint signature of two officers, express authorization of the board of directors, for example).

d) Fill out, in the end, the fields place, date, and name of the accredited representatives and sign this statement.

Table 18 – Charter update statement

X	NO.	Document	Provision	Page numbers
Evidence of the powers and name(s) of the legal representative(s)				
	1	Articles of association/bylaws		
	2	Act(s) related to the election/appointment of the legal representatives		
	3	Document for satisfaction of the conditions to exercise the legal representatives' powers		
	4	Others: <i>[list]</i>		
Restrictions on exercise of the legal representative(s)' powers				
	5	Articles of association/bylaws		
	6	Others: <i>[list]</i>		

[signature]

Signed by: *[insert the name(s) of the accredited representative(s) of the bidder]*

Place and date: *[insert place and date]*

ANNEX VI – POWER OF ATTORNEY TO APPOINT ACCREDITED REPRESENTATIVES

By this power of attorney, *[insert bidder's corporate name]*, organized and existing under the laws of *[insert bidder's country of origin]*, with its principal place of business at *[insert bidder's principal place of business]*, through its legal representative(s) *[insert the name(s) of the legal representative(s) of the bidder]*, hereby appoints as accredited representative(s), *[insert full name and qualification (nationality, city of origin, marital status, occupation, civil registration number, address, phone number, email, etc.) of the accredited representative(s) appointed by the power of attorney]*, its attorney(s)-in-fact to individually represent it before the National Agency of Petroleum, Natural Gas, and Biofuels – ANP in matters related specifically to the Open Acreage Concession Modality, with powers to perform any and all acts and undertake responsibilities related to such bidding process and to the proposal eventually submitted, therefore being allowed to receive, submit, and sign documents, be served process and summons, be administratively and judicially liable, sign confidentiality agreements regarding the technical data packages, pick them up and authorize third parties to do so, pay fees, file, appeal, submit counter-arguments, agree, as well as execute the respective agreements granted, and perform the other acts necessary for full compliance with this power of attorney, and delegation of powers is prohibited.

This power of attorney expressly revokes any other power of attorney for appointment of accredited representative(s) containing the powers specified herein previously granted within the scope of the Open Acreage Concession Modality.

[The main accredited representative shall be appointed among the FOREGOING representatives.]

INFORMATION REGARDING THE ACCREDITED REPRESENTATIVE(S):

Main Accredited Representative

NAME: *[insert the name of the main accredited representative]*

ADDRESS: *[insert the mailing address of the main accredited representative]*

PHONE, FAX, AND EMAIL: *[insert phone and fax numbers and email address of the main accredited representative]*

Other Accredited Representatives

NAME: *[insert the name of the accredited representative]*

ADDRESS: *[insert the mailing address of the accredited representative]*

PHONE, FAX, AND EMAIL: *[inset phone and fax numbers and email address of the accredited representative]*

[Note: The fields above must be repeated for each accredited representative appointed in this power of attorney]

[signature]

Signed by: *[insert the name(s) of the accredited representative(s) of the bidder]*

Title: *[insert the title(s) of the accredited representative(s) of the bidder]*

Place and date: *[insert place and date]*

ANNEX VII – DECLARATION OF TECHNICAL, ECONOMIC, AND FINANCIAL CAPACITY AND LEGAL, TAX, AND LABOR COMPLIANCE

[insert bidder's corporate name], represented by its accredited representative(s), under the penalties provided for in the applicable laws and regulations, hereby declares that it (i) acknowledges and accepts, fully and without any restriction, the rules and conditions set forth in the Open Acreage Concession Modality tender protocol and its annexes and (ii) will be provided with the technical, economic and financial capacity and be in legal, tax, and labor compliance with the requirements in the Open Acreage Concession Modality tender protocol during the qualification phase. The bidder hereby also declares that, under the penalties provided for in the applicable laws and regulations, it is aware of the Brazilian body of rules that prohibits and punishes harmful anti-competitive conducts, undertaking not to carry out such conducts.

[signature]

Signed by: *[insert the name(s) of the accredited representative(s) of the bidder]*

Place and date: *[insert place and date]*

ANNEX VIII – CONFIDENTIALITY AGREEMENT

[insert bidder's corporate name], represented by its accredited representative(s), under the penalties provided for in the applicable laws and regulations, hereby expresses its interest in participating in the Open Acreage Concession Modality for award of concession agreements for exploration or rehabilitation and production of oil and gas in Brazil and acknowledges the procedures and rules for participating in the Open Acreage Concession Modality, qualification, and execution of the concession agreement with the National Agency of Petroleum, Natural Gas, and Biofuels – ANP.

It also represents that:

- a) it shall receive the technical data package regarding to the Open Acreage Concession Modality, to be picked up at ANP. It may include: geological, geophysical, geochemical, and environmental data, studies, reports, analyses, or other materials based on such data (depending on the blocks of interest);
- b) the bidder may make the technical data package available to any of its officers, managers, employees, legal entities members of a formal company group and companies bounded by a common control relationship, directly or indirectly, and to its employees, agents, and consultants who (i) need to know such data to perform services related to the Open Acreage Concession Modality and (ii) have been informed and agree to respect the restrictions applied in this confidentiality agreement;
- c) if, by virtue of a prevailing law, decree, regulation, rule, or order of any competent authority, the bidder is asked to provide something included in the technical data package that is confidential, ANP shall be promptly notified in writing so that the applicable measures can be taken;
- d) if requested by ANP, it shall destroy or return the entire technical data package; and
- e) the right to access data provided in the package shall be ensured to the winning consortium. It is highlighted that maintenance of access is conditioned to compliance with the regulation in effect, regarding data availability and reprocessing.

[insert bidder's corporate name] also acknowledges that ANP is solely and exclusively responsible for “collection, maintenance, and management of data and information on the Brazilian sedimentary basins” (art. 22 of Law No. 9,478/1997) and that such “data and information on the Brazilian sedimentary basins are an integral part of the national oil resources, thus being federal government assets” (ANP Resolution No. 11/2011), and they shall be used for exclusive purposes of study and preparation of proposals for the Open Acreage Concession Modality.

Thus, any form of sale, trade, assignment, or the like of the technical data package, in whole or in part, to third parties is hereby expressly prohibited.

Handling of data to be acquired in an exploration and/or production area under the concession agreement shall follow the effective standards, especially ANP Resolution No. 11/2011 and ANP Resolution No. 01/2015.

This confidentiality agreement shall be governed and construed pursuant to the laws of the Federative Republic of Brazil, and the competent courts shall be the courts of the city of Rio de Janeiro.

[signature]

Signed by: *[insert the name(s) of the accredited representative(s) or legal representative of the bidder]*

Place and date: *[insert place and date]*

ANNEX IX – COMMITMENT TO ADJUST THE CORPORATE PURPOSE

[insert bidder's corporate name], represented by its accredited representative(s), hereby declares its interest in participating of the Open Acreage Concession Modality which object is the award of concession agreements for exploration and production of oil and gas in Brazil, and acknowledges the procedures and rules for qualification, bidding processes in general, and execution of concession agreements with the National Agency of Petroleum, Natural Gas, and Biofuels – ANP.

[insert bidder's corporate name] hereby also declares that it undertakes to adjust its corporate purpose, for purposes of execution of the concession agreement, or the corporate purpose of its affiliate (whether existing or to be organized) that may be appointed to execute such agreement for the exploration or rehabilitation and production of oil and gas in case it wins the public session for submission of bids of a cycle of the Open Acreage Concession Modality.

This commitment shall be governed and construed pursuant to the laws of the Federative Republic of Brazil, and the competent courts to settle any disputes related to this commitment are the Federal Courts, Judiciary Section of Rio de Janeiro, to the exclusion of any other court, however privileged it may be.

[signature]

Signed by: *[insert the name(s) of the accredited representative(s) of the bidder]*

Place and date: *[insert place and date]*

ANNEX X – COMMITMENT TO ORGANIZE A CORPORATE LEGAL ENTITY UNDER THE LAWS OF BRAZIL OR TO APPOINT A BRAZILIAN CONTROLLED COMPANY ALREADY ORGANIZED TO EXECUTE THE CONCESSION AGREEMENT

[insert bidder's corporate name], represented by its accredited representative(s), hereby declares its interest in participating of the Open Acreage Concession Modality which object is the award of concession agreements for exploration and production of oil and gas in Brazil, and acknowledges the procedures and rules for qualification, bidding processes in general, and execution of concession agreements with the National Agency of Petroleum, Natural Gas, and Biofuels – ANP.

[insert bidder's corporate name] hereby also declares that it undertakes to organize a legal entity under the laws of Brazil, with its principal place of business and management in Brazil, or to appoint a Brazilian legal entity already organized, with technical, economic, and financial capacity and in legal, tax, and labor compliance, to execute the concession agreement(s) on its behalf, pursuant to the requirements of the tender protocol if it wins the public session for submission of bids of a cycle of the Open Acreage Concession Modality.

This commitment shall be governed and construed pursuant to the laws of the Federative Republic of Brazil, and the competent courts to settle any disputes related to this commitment are the Federal Courts, Judiciary Section of Rio de Janeiro, to the exclusion of any other court, however privileged it may be.

[signature]

Signed by: *[insert the name(s) of the accredited representative(s) of the bidder]*

Place and date: *[insert place and date]*

ANNEX XI – FORM OF BID BOND

PART 1 – FORM OF LETTER OF CREDIT TO SECURE THE BID

IRREVOCABLE LETTER OF CREDIT

ISSUED BY *[insert Bank name]*

Bidder: *[insert bidder's corporate name]*

Effectiveness:

Start date: *[insert date in the format month/day/year]*

Termination date: *[insert date in the format month/day/year]*

No.: *[insert Letter of Credit number]*

Par Value: *[insert amount in writing]* Reais (R\$*[insert par value]*).

To

National Agency Of Petroleum, Natural Gas And Biofuels – ANP

Licensing Rounds Promotion Superintendence – SPL

Av. Rio Branco, 65 – 18th floor – Centro

Zip Code: 20090-004 – Rio de Janeiro, RJ – Brazil

Dear Sirs,

1. [Insert Bank name], [insert CNPJ enrollment number], organized under the laws of the Federative Republic of Brazil, as Issuer, hereby issues, for the benefit of ANP, an independent agency of the Indirect Federal Administration of the Government of the Federative Republic of Brazil, Irrevocable Letter of Credit No. [insert Letter of Credit number], through which the ISSUER authorizes ANP to withdraw, in a lump sum, the amount of up to *[insert amount in writing]* Reais (R\$*[insert par value]*) upon presentation of a *Payment Order and a Proof of Withdrawal*, as defined below, at the ISSUER'S branch referred to in Section 4 of this Letter of Credit.

2. The Par Value of the Letter of Credit shall initially be *[insert amount in writing]* Reais (R\$*[insert par value]*), which may reduce upon submission of a *Proof of Reduction* by ANP to the ISSUER, as defined in Document I (Form of Proof of Reduction), specifying a new, lower Par Value.

3. The Par Value of this Letter of Credit may be withdrawn by ANP as established in Section 4 below between 10 a.m. and 4 p.m., Rio de Janeiro time, on any banking day, after disclosure of the results of the submission of bids and before maturity of this Letter of Credit. "Banking day" means any day, except for Saturday, Sunday, or any other day on which commercial banks of the City of Rio de Janeiro are authorized or required by law, regulatory rule, or decree to remain closed.

4. A withdrawal may only be made based on this instrument upon submission of a demand draft in cash by ANP to the ISSUER, pursuant to Document II (Form of Payment Order) attached hereto, together with a proof in the form of Document III (Form of Proof of Withdrawal) attached hereto. The *Payment Order* and *Proof of Withdrawal* shall be presented at the ISSUER's branch, in Rio de Janeiro, located at *[insert Issuer's address]* or at any other address in Rio de Janeiro indicated by the ISSUER to ANP upon notice, as provided for in Section 8 of this Letter of Credit.

5. After receiving the *Payment Order* and *Proof of Withdrawal* from ANP at its branch, as provided for in Section 4 of this Letter of Credit, the ISSUER shall pay the Par Value according to the procedure set forth in the *Proof of Withdrawal*. The ISSUER shall make the payment within three (3) banking days of the date of submission of the request.

6. This Letter of Credit shall mature at the earlier of: (i) submission of release to the ISSUER, based on the instrument attached hereto as Document IV (Form of Proof of Release), (ii) irrevocable payment by the ISSUER to ANP, as established in Section 5 of this Letter of Credit, with the Par Value, upon withdrawal made as provided for hereunder, or (iii) the maturity date set forth in Section 6.2 of the tender protocol of the Open Acreage Concession Modality. Notwithstanding the foregoing, any withdrawal made according to the conditions established herein before maturity of this Letter of Credit shall be honored by the ISSUER. In case the ISSUER'S branch referred to in Section 4 of this Letter of Credit is closed on the date mentioned in item (iii) of this section 6, the maturity date of this Letter of Credit shall be extended to the subsequent banking day on which the abovementioned branch is open.

7. Only ANP may withdraw this Letter of Credit, as well as exercise any other rights defined herein.

8. Notices

All notices, requirements, instructions, waivers, or other information to be provided related to this Letter of Credit shall be written in Portuguese and delivered by a personal messenger, courier, mail services, or fax and forwarded to the following address:

(i) If to the ISSUER:

[insert Issuer's name]

[insert Issuer's address]

[insert Zip Code]

[insert city]

(ii) If to ANP:

Open Acreage Concession Modality

Licensing Rounds Promotion Superintendence – SPL

Avenida Rio Branco, 65 – 18th floor – Centro
Zip Code: 20090-004 – Rio de Janeiro, RJ – Brazil
Facsimile: (21) 2112-8539

9. Addresses and fax numbers for sending information related to this Letter of Credit may be changed by the ISSUER or ANP upon notice to the other party at least fifteen (15) banking days before the date of the change.

10. This Letter of Credit establishes, in full terms, the ISSUER's obligation. Such obligation shall not be, in any way, changed or amended based on any document, instrument, or agreement, except for the: (i) *Proof of Reduction*; (ii) *Payment Order*; (iii) *Proof of Withdrawal*; and (iv) *Proof of Release*.

11. This Letter of Credit, under the terms and conditions presented herein and for the intended purpose, is a valid and lawful document enforceable in the location of billing, and the ISSUER may not present any argument to ANP preventing its full and total execution.

Kind regards,

[insert Bank name]

[signature]

Name: *[insert the name of the person responsible for the issue]*

Title: *[insert the title of the person responsible for the issue]*

Document I

Form of Proof of Reduction

[Form to be filled out by ANP – DO NOT FILL OUT.]

PROOF OF REDUCTION

This refers to Irrevocable Letter of Credit No. *[insert Letter of Credit number]*, effective from *[insert date in the format month/day/year]* to *[insert date in the format month/day/year]*, issued by *[insert Issuer's name]*, enrolled with CNPJ under No. *[insert CNPJ enrollment number]* and submitted by *[insert bidder's name]* to the benefit of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP.

The undersigned, duly authorized to sign this proof on behalf of ANP, hereby certifies that:

- (i) The amount in Reais (BRL) specified below in item (a) corresponds to the Par Value of the Letter of Credit for Bid Bond submitted under the Tender Protocol for Biddings for Award of Concession Agreements for Exploration or Rehabilitation and Production of Oil and Gas of the Open Acreage Concession Modality until the date of this proof; and
- (ii) The Par Value of the Letter of Credit shall be reduced to an amount equal to the Remaining Par Value specified below in item (b), effective as of the date of this proof.
 - (a) Par Value:
R\$*[insert Par Value]*
 - (b) Remaining Par Value:
R\$*[insert Remaining Par Value]*

This proof was signed by the undersigned on behalf of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP on *[insert date in the format month/day/year]*.

[signature]

Name: *[insert the name of the person responsible for the issue]*

Title: *[insert the title of the person responsible for the issue]*

Document II

Form of Payment Order

[Form to be filled out by ANP – DO NOT FILL OUT.]

PAYMENT ORDER

Letter of Credit No. *[insert Letter of Credit number]*

Rio de Janeiro – RJ

Date of Withdrawal: *[insert date in the format month/day/year]*

In cash

The par value of *[insert Par Value in writing]* (R\$*[insert Par Value]*

Withdrawal of Irrevocable Letter of Credit No. *[insert Letter of Credit number]* issued by *[insert Issuer's name]*.

This document was signed by the undersigned on behalf of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP on *[insert date in the format month/day/year]*.

[signature]

Name: *[insert the name of the person responsible for the issue]*

Title: *[insert the title of the person responsible for the issue]*

To *[insert Bank name]*

[insert Bank address]

Document III

Form of Proof of Withdrawal

[Form to be filled out by ANP – DO NOT FILL OUT.]

PROOF OF WITHDRAWAL

This refers to Irrevocable Letter of Credit No. *[insert Letter of Credit number]*, executed in *[insert city]*, effective from *[insert date in the format month/day/year]* to *[insert date in the format month/day/year]*, issued by *[insert Issuer's name]*, enrolled with CNPJ under No. *[insert CNPJ enrollment number]* and submitted by *[insert bidder's name]* to the benefit of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP.

The undersigned, duly authorized to sign this proof on behalf of ANP, hereby certifies that, as a result of the Open Acreage Concession Modality, the bidder *[insert bidder's corporate name]* incurred one of the cases of execution of the bid bond provided for in section 6.5 (Execution of the bid bond) of the tender protocol for Award of Concession Agreements for Exploration or Rehabilitation and Production of Oil and Gas of the Open Acreage Concession Modality.

The Par Value of Letter of Credit No. *[insert Letter of Credit number]* shall be paid by the ISSUER to the following account:

[ANP shall provide for the payment procedures.]

This proof was signed by the undersigned on behalf of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP on *[insert date in the format month/day/year]*.

[signature]

Name: *[insert the name of the person responsible for the issue]*

Title: *[insert the title of the person responsible for the issue]*

Document IV

Form of Proof of Release

[Form to be filled out by ANP – DO NOT FILL OUT.]

PROOF OF RELEASE

This refers to Irrevocable Letter of Credit No. *[insert Letter of Credit number]*, effective from *[insert effective date in the format month/day/year]* to *[insert maturity date in the format month/day/year]*, issued by *[insert Issuer's name]*, enrolled with CNPJ under No. *[insert CNPJ enrollment number]* and submitted by *[insert bidder's name]* to the benefit of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP.

The undersigned, duly authorized to sign this proof on behalf of ANP, hereby certifies the occurrence of one of the release events provided for in section 6.6 (Release and return of the bid bond) of the tender protocol for Award of Concession Agreements for Exploration or Rehabilitation and Production of Oil and Gas of the Open Acreage Concession Modality.

The bidder's obligations secured by the abovementioned Letter of Credit are performed. The release date is the issue date of this proof of release.

This proof was signed by the undersigned on behalf of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP on *[insert date in the format month/day/year]*.

[signature]

Name: *[insert the name of the person responsible for the issue]*

Title: *[insert the title of the person responsible for the issue]*

ANNEX XI – FORM OF BID BOND

PART 2 – FORM OF PERFORMANCE BOND TO SECURE THE BID

POLICY No. *[insert policy number]*

The INSURANCE COMPANY *[insert insurance company's corporate name]*, *[insert CNPJ enrollment number]*, with its principal place of business at *[insert insurance company's principal place of business address]* through this Bid Bond policy, secures to the INSURED, NATIONAL AGENCY OF PETROLEUM, NATURAL GAS, AND BIOFUELS – ANP, enrolled in the CNPJ under No. 02.313.673/0002-08, with its principal place of business at Avenida Rio Branco, 65 – 12th floor – Rio de Janeiro, RJ, performance of the obligations of the POLICYHOLDER, *[insert the corporate name of the bidder(s)]*, *[insert CNPJ enrollment number]*, with its principal place of business at *[insert bidder's principal place of business address]*, up to the amount of *[insert amount in writing]* Reais, in the form and with the object described below.

DESCRIPTION OF THE BOND

(Type, amount, and effectiveness set forth in the tender protocol for the Open Acreage Concession Modality)

Type ⁴	Amount Insured	Effectiveness	
		Beginning	End
Bidder	R\$ <i>[insert Par Value]</i>	<i>[insert date in the format month/day/year]</i>	<i>[insert date in the format month/day/year]</i>

OBJECT OF THE BOND

Guarantee of indemnification, in the amount set by the policy, considering the reductions in the secured amount, for default of the POLICYHOLDER in the events provided for in section 6.5 of

⁴ Do not change this field. The type "Bidder" shall be chosen, based on the criteria for classification of the performance bonds defined by Susep.

the Open Acreage Concession Modality Tender Protocol for Award of Concession Agreements for Exploration or Rehabilitation and Production of Oil and Gas.

The amount secured by this policy is *[insert Par Value in writing]* Reais (R\$*[insert Par Value]*).

The following Documents ratified herein are an integral and inseparable part of the policy:

Document I – General, Special, and Specific Conditions.

Document II – Form of Proof of Reduction.

Document III – Form of Default Notice and Indemnification Claim.

Document IV – Form of Proof of Release.

Open Acreage Concession Modality Tender Protocol for Award of Concession Agreements for Exploration or Rehabilitation and Production of Oil and Gas

This policy is issued pursuant to the Conditions of Susep Circular Letter No. 477/2013.

[insert place of issue], [insert month of issue] [insert day of issue], [insert year of issue].

(SIGNATURE)

([insert insurance company's corporate name])

Document I

GENERAL, SPECIAL, AND SPECIFIC CONDITIONS

This policy is governed by the General Conditions and the Special Conditions included in Susep Circular Letter No. 477/2013 and the Specific Conditions determined by the INSURED, NATIONAL AGENCY OF PETROLEUM, NATURAL GAS, AND BIOFUELS – ANP. The latter, for being more specific, prevail over the first two in case of conflict.

Susep Circular Letter No. 477 of September 30, 2013.

GENERAL CONDITIONS

1. Subject matter:

1.1. This insurance contract secures full performance of the obligations undertaken by the POLICYHOLDER to the INSURED, pursuant to the terms of the policy, up to the amount of the guarantee established herein and pursuant to the additional type(s) and/or coverage(s) expressly taken out by virtue of the participation in a bidding process and in a master agreement related to works, services, including advertising, purchases, concessions, and permits within the scope of the Branches of the Federal Government, the States, the Federal District, and the Cities, or, also, the obligations undertaken due to:

I – administrative proceedings;

II – legal proceedings, including tax executions;

III – tax credit administrative installments, whether or not entered in federal overdue tax liability;

IV – administrative regulations.

1.2. The amounts payable to the INSURED, such as penalties and indemnifications, arising from failure by the POLICYHOLDER to perform the obligations undertaken thereby, provided for in specific laws and regulations, are also secured by this insurance.

2. Definitions:

The following definitions apply to this insurance:

2.1. Policy: document, signed by the INSURANCE COMPANY, that formally represents the Performance Bond.

- 2.2. General Conditions: set of sections, common to all types and/or coverages of an insurance plan, establishing the obligations and rights of the parties hereto.
- 2.3. Special Conditions: set of specific provisions related to each type and/or coverage of an insurance plan that change the provisions established in the General Conditions.
- 2.4. Specific Conditions: set of sections that somehow change the General Conditions and/or the Special Conditions, according to each INSURED.
- 2.5. Master Agreement: any and all arrangement between Public (insured) and private (policyholders) bodies or entities, in which there is a mutual agreement for establishment of a bond and stipulation of reciprocal obligations, regardless of the name used.
- 2.6. Endorsement: formal instrument, signed by the INSURANCE COMPANY, introducing modifications to the Performance Bond policy, upon request and express consent of the parties.
- 2.7. Indemnification: payment of the losses and/or penalties resulting from failure to perform the obligations covered by the insurance.
- 2.8. Maximum Guarantee Limit: maximum amount for which the INSURANCE COMPANY shall be responsible to the INSURED as indemnification payment.
- 2.9. Premium: amount payable by the POLICYHOLDER to the INSURANCE COMPANY for the insurance coverage and that shall be included in the policy or endorsement.
- 2.10. Loss Adjustment Process: procedure through which the INSURANCE COMPANY will evidence or not the origin of the claim, as well as calculation of the losses covered by the policy.
- 2.11. Insurance Proposal: formal request for issuance of the insurance policy, signed pursuant to the prevailing laws and regulations.
- 2.12. Final Adjustment Report: document issued by the INSURANCE COMPANY in which it declares the position on the claim, as well as the potential amounts to be indemnified.
- 2.13. Insured: the Public Administration or Granting Authority.
- 2.14. Insurance Company: the insurance company, pursuant to the policy, securing performance of the obligations undertaken by the POLICYHOLDER.
- 2.15. Performance Bond: insurance that secures full performance of the obligations undertaken by the POLICYHOLDER to the INSURED, pursuant to the terms of the policy.
- 2.16. Loss: failure by the POLICYHOLDER to perform its obligations covered by the insurance.
- 2.17. Policyholder: obligor of the obligations undertaken thereby to the INSURED.

3. Acceptance:

3.1. The insurance contract may only be taken out/amended upon a proposal signed by the proponent, its representative, or a qualified insurance broker. The written proposal shall include the essential elements for analysis and acceptance of the risk.

3.2. The INSURANCE COMPANY shall mandatorily provide the proponent with a protocol identifying the proposal received thereby, indicating the date and time of receipt.

3.3. The INSURANCE COMPANY shall have fifteen (15) days of the date of its receipt to accept or reject the proposal, whether for new insurances or renewals, as well as for changes entailing change in the risk.

3.3.1. If the insurance proponent is an individual, additional documents for analysis and acceptance of the risk or the proposed change may be requested only once, during the term provided for in item 3.3.

3.3.2. If the proponent is a legal entity, additional documents may be requested more than once, during the term provided for in item 3.3., as long as the INSURANCE COMPANY indicates the grounds for the request for new elements for analysis of the proposal or risk assessment.

3.3.3. In case of request for additional documents for analysis and acceptance of the risk or a proposed change, the fifteen (15)-day period provided for in item 3.3. shall be suspended, being resumed as of the date on which the documents are delivered.

3.4. In case of non-acceptance of the proposal, the INSURANCE COMPANY shall inform the fact, in writing, to the proponent, specifying the reasons for the refusal.

3.5. The lack of reply, in writing, by the INSURANCE COMPANY within the abovementioned term shall characterize the implied acceptance of the insurance.

3.6. If the acceptance of the proposal depends on taking out or change of an optional reinsurance, the term mentioned in item 3.3 shall be suspended until the reinsurer formally replies, and the insurance company shall inform, in writing, such event to the proponent, emphasizing the consequent inexistence of coverage while the suspension lasts.

3.7. The policy or endorsement shall be issued within fifteen (15) days of the date of acceptance of the proposal.

4. Secured Amount:

4.1. The amount secured under this policy is the maximum nominal amount secured thereby.

4.2. In case of changes previously established in the master agreement or in the document supporting the acceptance of the risk by the INSURANCE COMPANY, the amount of the guarantee shall follow such changes, and the INSURANCE COMPANY shall issue the relevant endorsement.

4.3. For subsequent changes in the master agreement or the document supporting the acceptance of the risk by the INSURANCE COMPANY, in view of which a change in the contractual amount is required, the amount of the guarantee may follow such changes, as long as requested to and accepted by the INSURANCE COMPANY through issuance of the endorsement.

5. Insurance Premium:

5.1. The POLICYHOLDER is responsible for paying the premium to the INSURANCE COMPANY throughout the effectiveness of the policy.

5.2. It is hereby understood and agreed that the insurance shall remain in effect even when the POLICYHOLDER has not paid the premium on the agreed dates.

5.2.1. Any installment of the premium payable not paid by the POLICYHOLDER on the date agreed may entitle the INSURANCE COMPANY to enforce the counter-guarantee agreement.

5.3. In case of payment of the premium in installments, no additional amount may be charged as administrative installment cost, and it must be guaranteed to the POLICYHOLDER, when there are interest-bearing installments, the possibility of paying any of the installments in advance, with the consequent proportional reduction of the interest rates agreed.

5.4. If the deadline to pay the premium in cash or any one of its installments falls on a day on which the banks are closed, the payment may be made on the first business day on which the banks are open.

5.5. The INSURANCE COMPANY shall forward the invoice directly to the POLICYHOLDER or its representative at least five (5) business days before the respective due date.

6. Effectiveness:

6.1. For the types of Performance Bond in which the policy is bound to a master agreement, the effectiveness of the policy shall be equivalent to the term established in the master agreement, pursuant to the details provided for in the Special Conditions of each type taken out.

6.2. For other types, the effectiveness of the policy shall be equivalent to the term informed therein, pursuant to the provisions set forth in the Special Conditions of the relevant type.

6.3. In case of changes previously established in the master agreement or in the document supporting the acceptance of the risk by the INSURANCE COMPANY, the effectiveness of the policy shall follow such changes, and the INSURANCE COMPANY shall issue the relevant endorsement.

6.4. For subsequent changes in the master agreement or the document supporting the acceptance of the risk by the INSURANCE COMPANY, in view of which a change in the effectiveness of the policy is required, the effectiveness of the policy may follow such changes, as long as requested to and accepted by the INSURANCE COMPANY through issuance of the endorsement.

7. Expectation, Claim, and Establishment of the Loss:

7.1. The Expectation, Claim, and Establishment of the Loss shall be specified for each type in the Special Conditions, when applicable.

7.2. The INSURANCE COMPANY shall describe, in the Special Conditions, the documents that shall be submitted for effecting the Claim.

7.2.1. Based on a justified and reasonable doubt, the INSURANCE COMPANY may request documents and/or supplemental information.

7.3. The Claim supported by this policy may be made during the period of prescription, pursuant to Section 17 of these General Conditions;

7.4. If the INSURANCE COMPANY decides not to establish the loss, it shall formally inform the INSURED, in writing, on its denial of indemnification, also presenting the detailed reasons supporting its decision.

8. Indemnification:

8.1. Upon establishment of the loss, the INSURANCE COMPANY shall perform the obligation described in the policy, up to the maximum limit of the guarantee thereof, pursuant to one of the options below and as agreed between the parties:

I – by complying, through third parties, with the subject matter of the master agreement, as to continue it, under its full responsibility; and/or

II – by indemnifying, upon payment in cash, the losses and/or penalties caused by default of the POLICYHOLDER covered by the policy.

8.2. Term for performing the obligation:

8.2.1. The indemnification shall be paid or the subject matter of the master agreement shall be performed within no more than thirty (30) days of the date of receipt of the last document requested during the loss adjustment process.

8.2.2. In the event of request for documents referred to in item 7.2.1., the thirty (30)-day period shall be suspended, being resumed as of the business day subsequent to that on which the requirements were met.

8.2.3. In case a court decision or arbitration award suspends the effects of the claim, the thirty (30)-day period shall be suspended, being resumed as of the first business day after revocation of the decision.

8.3. In case the policy is bound to a master agreement, all POLICYHOLDER's credit balances in the master agreement shall be used to repay the loss and/or penalty subject matter of the claim, without prejudice to payment of the indemnification within the due term.

8.3.1. If payment of the indemnification has already been made upon the end of the calculation of the POLICYHOLDER's credit balances in the master agreement, the INSURED undertakes to return to the INSURANCE COMPANY any excess amount already paid thereto.

9. Amount Adjustment:

9.1. Any failure to pay the pecuniary obligations of the INSURANCE COMPANY, including the indemnification pursuant to Section 8 of these General Conditions, within the term for payment of the respective obligation, shall entail:

a) inflation adjustment, as of the date of enforceability of the obligation, being, in case of indemnification, the date of establishment of the claim; and

b) application of interest in arrears calculated "pro rata temporis", as of the first day following the end of the term established.

9.2. The inflation adjustment index shall be the Extended National Consumer Price Index published by the Brazilian Institute of Geography and Statistics (IPCA/IBGE) or the index replacing it, being calculated by reference to the positive variation ascertained between the last

index published before the date of the payment obligation and that published immediately before the date of its actual payment.

9.3. The interest in arrears, as of the first day following the end of the term established for payment of the obligation, shall be equivalent to the rate in effect for delayed payment of taxes due to the National Treasury.

9.4. Payment of amounts related to the inflation adjustment and interest in arrears shall be made regardless of any judicial or extrajudicial order, in a lump sum, together with other amounts due under the agreement.

10. Subrogation:

10.1. After payment of the indemnification or enforcement of the obligations defaulted by the POLICYHOLDER, the INSURANCE COMPANY shall subrogate itself to the INSURED's rights and privileges against the POLICYHOLDER or against third parties whose acts or facts have caused the loss.

10.2. Any act of the INSURED diminishing or extinguishing, to the prejudice of the INSURANCE COMPANY, the rights referred to in this item is ineffective.

11. Loss of Rights:

The INSURED shall lose the right to indemnification upon occurrence of one or more of the following events:

I – Acts of God or force majeure, under the Brazilian Civil Code;

II – Failure to perform the obligations of the POLICYHOLDER as a result of acts or facts taken by the INSURED;

III – Change in the contractual obligations guaranteed by this policy, which have been agreed between the INSURED and the POLICYHOLDER, without the prior consent of the INSURANCE COMPANY;

IV – Willful illegal acts or gross negligence comparable to the willful misconduct of the INSURED, the beneficiary, or the representative of any of them;

V – The INSURED fails to fully perform any obligations provided for in the insurance contract;

VI - If the INSURED or its legal representative makes inaccurate declarations or omits, in bad faith, circumstances known thereby that worsen the risk of default of the POLICYHOLDER or that may influence acceptance of the proposal;

VII – If the INSURED intentionally aggravates the risk;

12. Concurrence of Guarantees:

In case there are two or more different types of guarantee, each covering the subject matter of this insurance, to the benefit of the same INSURED or beneficiary, the INSURANCE COMPANY shall be held liable for the common loss, proportionally to the risk undertaken, with the other participants.

13. Concurrence of Policies:

The use of more than one Performance Bond in the same type to cover the subject matter of this contract is prohibited, except in case of additional policies.

14. Termination of the Guarantee:

14.1. The guarantee expressed by this insurance shall be extinguished upon occurrence of the earlier of one of the following events, without prejudice to the term for claim provided for in item 7.3 of these General Conditions:

I – when the subject matter of the master agreement secured by the policy is finally performed, upon an instrument or declaration signed by the INSURED or return of the policy;

II – when the INSURED and the INSURANCE COMPANY so agree;

III – when the indemnification payment to the INSURED reaches the maximum guarantee limit of the policy;

IV – when the master agreement is extinguished, for the types in which the policy is bound to a master agreement, or when the obligation secured is extinguished, for the other cases; or

V – upon the end of the effectiveness provided for in the policy, unless established otherwise in the Special Conditions.

14.2. When the guarantee of the policy regards a subject matter provided for in an agreement, this guarantee shall only be released or refunded upon execution of the agreement, pursuant to the provisions in paragraph 4 of article 56 of Law No. 8,666/1993, and its extinction shall be

evidenced, in addition to the events provided for in item 14.1., by receipt of the subject matter of the agreement pursuant to art. 73 of Law No. 8,666/93.

15. Contract Termination:

15.1. In case of full or partial termination of the contract, at any time, by initiative of the INSURED or the INSURANCE COMPANY and by common agreement, the following provisions shall be observed:

15.1.1. In case of termination at the request of the INSURANCE COMPANY, it shall withhold from the premium received, in addition to the fees, the amount proportional to the time lapsed;

15.1.2. In case of termination at the request of the INSURED, the INSURANCE COMPANY shall withhold, in addition to the fees, no more than the premium calculated according to the short-term table below:

Ratio to be applied to the original effectiveness to obtain the term in days	% of the Premium	Ratio to be applied to the original effectiveness to obtain the term in days	% of the Premium
15/365	13	195/365	73
30/365	20	210/365	75
45/365	27	225/365	78
60/365	30	240/365	80
75/365	37	255/365	83
90/365	40	270/365	85
105/365	46	285/365	88
120/365	50	300/365	90
135/365	56	315/365	93
150/365	60	330/365	95
165/365	66	345/365	98
180/365	70	365/365	100

15.1.2.1. For terms not provided for in the table included in sub-item 15.1.2., a percentage corresponding to the immediately shorter term shall be used.

16. Disputes:

16.1. Disputes resulting from application of these Contractual Conditions may be resolved:

I – through arbitration; or

II – by legal injunction.

16.2. In case of arbitration, the policy shall include an arbitration clause, which shall be optionally observed by the INSURED upon its express agreement.

16.2.1. By agreeing with application of this section, the INSURED undertakes to settle all its litigations with the INSURANCE COMPANY through an Arbitration Court, which decisions have the same effect as the decisions rendered by the Judiciary Branch.

16.2.2. The arbitration clause is governed by Law No. 9,307 of September 23, 1996.

17. Prescription:

The periods of prescription are those established by law.

18. Jurisdiction:

The judicial issues between the INSURANCE COMPANY and the INSURED shall be filed in the jurisdiction of the latter's domicile.

19. Final Provisions

19.1. Acceptance of the insurance shall be subject to the analysis of the risk.

19.2. The policies and endorsements shall become effective and end at midnight on the dates respectively indicated as such.

19.3. Registration of this plan with Susep does not imply an incentive or recommendation of the Independent Agency for its commercialization.

19.4. After seven business days of issuance of this document, one can verify if the policy or endorsement was properly registered on Susep's website – www.susep.gov.br.

19.5. The registration status of the insurance broker may be verified on the website www.susep.gov.br, through the number of his/her registration with Susep, full name, and CNPJ or CPF.

19.6. This insurance is taken out on a first absolute risk basis.

19.7. The entire national territory is deemed the geographic scope of the types taken out, except as otherwise provided for in the Special and/or Specific Conditions of the Policy.

19.8. Any translation fees regarding reimbursement of expenses abroad shall be fully paid by the INSURANCE COMPANY.

SPECIAL CONDITIONS

1. Subject matter:

This insurance contract secures indemnification, up to the amount set by the policy, for default of the POLICYHOLDER in the events provided for in section 6.5 of the Open Acreage Concession Modality Tender Protocol for Award of Concession Agreements for Exploration or Rehabilitation and Production of Oil and Gas.

2. Definitions:

For purposes of this type, the definitions included in art. 6 of Law No. 8,666/93 also apply.

3. Effectiveness:

The effectiveness of the policy shall coincide with the term provided for in section 6.2 of the Open Acreage Concession Modality Tender Protocol for Award of Concession Agreements for Exploration or Rehabilitation and Production of Oil and Gas.

4. Claim and Establishment of the Loss:

4.1. Claim: the INSURED shall inform the INSURANCE COMPANY about the default of the POLICYHOLDER regarding the events provided for in section 6.5 of the Open Acreage Concession Modality Tender Protocol for Award of Concession Agreements for Exploration or Rehabilitation and Production of Oil and Gas, date on which the Claim shall be official.

4.1.1. For the Claim, submission of the following documents shall be required, without prejudice to the provisions in item 7.2.1 of the General Conditions:

- a) Copy of the tender protocol;
- b) Copy of the instrument of award;
- c) Spreadsheet, report, and/or correspondence informing the amounts of the losses suffered, accompanied by supporting documents.

4.2. Establishment: when the INSURANCE COMPANY has received all documents listed in item 4.1.1. and, after analysis, the default by the POLICYHOLDER of the obligations covered by the

policy is evidenced, the loss shall be established, and the INSURANCE COMPANY shall issue the final adjustment report;

5. Ratification:

The provisions in the General Conditions that have not been changed by this Special Condition shall be fully ratified.

SPECIFIC CONDITIONS

1. It is hereby understood that this bond secures to the Insured indemnification for default by the POLICYHOLDER of execution of the Concession Agreement regarding the area won related to the Open Acreage Concession Modality Tender Protocol for Award of Concession Agreements for Exploration or Rehabilitation and Production of Oil and Gas, pursuant to Law No. 9,478/97.
2. The INSURANCE COMPANY acknowledges and accepts the terms and conditions of the Open Acreage Concession Modality Tender Protocol for Award of Concession Agreements for Exploration or Rehabilitation and Production of Oil and Gas, especially the events of execution of the Bid Bond, provided for in section 6.5 of such tender protocol.
3. As a supplement of the provisions in item 4 of the Special Conditions, sub-item 4.1.1, letter b, it is understood that, for claim and establishment of the loss, submission of a copy of the instrument of award may only be required in the events in which the object of the bid has already been awarded.
4. The guarantee of this policy is effective for the period provided for in the policy, expiring sixty (60) days after the end of the date expected for execution of the Concession Agreement subject matter of this policy, according to the effective period defined in section 6.2 of the tender protocol.
5. In addition to the events provided for in item 14 of the General Conditions of this policy, this policy shall also be terminated upon occurrence of any of the events listed in section 6.6 (Release and return of the bid bond) of the tender protocol by sending a notice according to the form of Document IV (Form of Proof of Release).
6. In addition to section 11, item VI, of the General Conditions, we understand that ANP is not responsible for keeping the INSURANCE COMPANY informed of any changes in the technical and economic conditions of the POLICYHOLDER. Such information should be obtained directly by the INSURANCE COMPANY from the POLICYHOLDER or by checking the administrative proceedings of ANP, as long as there is no legal secrecy or the POLICYHOLDER waives such secrecy.
7. In addition to Section 7.4 of the General Conditions, the administrative decisions made during the due administrative proceeding are deemed valid, except if suspended or cancelled by the competent administrative or legal bodies.

8. This policy does not insure risks arising from other types of Performance Bond and does not cover the obligations as to payment of taxes, labor obligations of any kind, including social security, third-party indemnifications, as well as risks covered by other insurance lines.

9. It is also represented that damages and/or losses caused directly or indirectly by terrorist act, regardless of its purpose, duly recognized as a threat to the public order by the competent authorities, are not covered.

10. The value of this policy may be reduced upon issuance of the Indemnity Reduction Endorsement by the INSURANCE COMPANY, upon submission of the Proof of Reduction, pursuant to the form of Document II (Form of Proof of Reduction), signed by the INSURED.

11. It is hereby understood and agreed that any extensions of the effectiveness of the policy may be requested in writing by the INSURED to the POLICYHOLDER, which shall arrange it with the INSURANCE COMPANY through Endorsement.

12. By evidencing the default of the POLICYHOLDER, the INSURED shall inform the INSURANCE COMPANY upon a notice according to the form of Document III (Form of Default Notice and Indemnification Claim), as well as a copy of the administrative proceeding with a decision determining execution of the guarantee.

13. This insurance policy has a reinsurance coverage provided by [insert reinsurer's corporate name], granted through Proceeding No. [insert proceeding number].

14. In addition to Sections 16 and 18 of the General Conditions, arbitration does not apply, and the competent court is ANP's Main Office, i.e., the Federal Courts of Rio de Janeiro.

15. Notices

All notices, requirements, instructions, waivers, or other information to be provided related to this Performance Bond shall be written in Portuguese and delivered by a personal messenger or a courier, with proof of delivery, or mail, return receipt requested, to the following addresses:

(i) If to the INSURANCE COMPANY:

[insert the insurance company's corporate name]

[insert the insurance company's address]

[insert the Zip Code]

[insert the city]

(ii) If to the INSURED:

National Agency of Petroleum, Natural Gas, and Biofuels

Licensing Rounds Promotion Superintendence – SPL

Avenida Rio Branco, 65 – 18th floor

Zip Code 20090-004

Rio de Janeiro, RJ – Brazil

(iii) If to the POLICYHOLDER:

[insert the policyholder's corporate name]

[insert the policyholder's address]

[insert the Zip Code]

[insert the city]

[insert the place (city) of execution], [insert the month] [insert the day], [insert the year].

([insert the insurance company's corporate name])

_____(SIGNATURE)_____

Name: *[insert the name of the person responsible for the issue]*

Title: *[insert the title of the person responsible for the issue]*

Document II
Form of Proof of Reduction
[Form to be filled out by ANP – DO NOT FILL OUT.]

PROOF OF REDUCTION

This refers to Bid Bond policy No. *[insert policy number]*, effective from *[insert date in the format month/day/year]* to *[insert date in the format month/day/year]*, issued by *[insert Issuer's name]*, enrolled with CNPJ under No. *[insert CNPJ enrollment number]* and submitted by *[insert bidder's name]* to the benefit of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP.

The undersigned, duly authorized to sign this proof on behalf of ANP, hereby certifies that:

- (i) The amount in Reais (BRL) specified below in item (a) corresponds to the Par Value of the Performance Bond policy for Bid Bond submitted under the Tender Protocol for Biddings for Granting of Concession Agreements for Exploration or Rehabilitation and Production of Oil and Gas of the Open Acreage Concession Modality until the date of this proof; and
- (ii) The Par Value of the Performance Bond policy shall be reduced to an amount equal to the Remaining Par Value, specified below in item (b), effective as of the date of this proof.

(c) Par Value:
R\$*[insert Par Value]*

(d) Remaining Par Value:
R\$*[insert Remaining Par Value]*

This proof was signed by the undersigned on behalf of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP on *[insert date in the format month/day/year]*.

[signature]

Name: *[insert the name]*

Title: *[insert title]*

Document III
Form of Default Notice and Indemnification Claim
[Form to be filled out by ANP – DO NOT FILL OUT.]

DEFAULT NOTICE AND INDEMNIFICATION CLAIM

Policy No. *[insert policy number]*

Rio de Janeiro – RJ

Date of Withdrawal: (*[insert date of the payment order in the format month/day/year]*)

In cash

The undersigned, duly authorized to sign this proof on behalf of ANP, hereby certifies that, as a result of the Open Acreage Concession Modality, the POLICYHOLDER

I request payment of the Par Value of *[insert Par Value in writing]* Reais (R\$*[insert Par Value]*) to the National Agency of Petroleum, Natural Gas, and Biofuels – ANP.

Withdrawal according to policy No. *[insert policy number]* issued by *[insert the Insurance Company's corporate name]*.

This document was signed by the undersigned on behalf of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP on *[insert date in the format month/day/year]*.

[signature]

Name: *[insert the name of the person responsible for the issue]*

Title: *[insert the title of the person responsible for the issue]*

To *[insert the Insurance Company's corporate name]*

[insert the Insurance Company's address]

Document IV
Form of Proof of Release

[Form to be filled out by ANP – DO NOT FILL OUT.]

PROOF OF RELEASE

This refers to Bid Bond policy No. *[insert policy number]*, effective from *[insert date in the format month/day/year]* to *[insert date in the format month/day/year]*, issued by *[insert Issuer's name]*, enrolled with CNPJ under No. *[insert CNPJ enrollment number]* and submitted by *[insert bidder's name]* to the benefit of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP.

The undersigned, duly authorized to sign this proof on behalf of ANP, hereby certifies the occurrence of one of the release events provided for in section 6.6 (Release and return of the bid bond) of the tender protocol for Award of Concession Agreements for Exploration or Rehabilitation and Production of Oil and Gas of the Open Acreage Concession Modality.

The bidder's obligations secured by the abovementioned Letter of Credit are performed. The release date is the issue date of this proof of release.

This proof was signed by the undersigned on behalf of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP on *[insert date in the format month/day/year]*.

[signature]

Name: *[insert the name of the person responsible for the issue]*

Title: *[insert the title of the person responsible for the issue]*

ANNEX XII – ESCROW RECEIPT FORM



Recibo de Caução

Grau de sigilo
#PÚBLICO

Módulo I – RECIBO DE CAUÇÃO

Agência	Operação	Conta	Dígito (DV)	Data de abertura
---------	----------	-------	-------------	------------------

1 - CAUCIONÁRIO (quem efetua o depósito – titular da conta)

Titular (preencher nome completo ou razão social por extenso)

CPF/CNPJ

2 - Valor Caucionado

Valor R\$	Valor (por extenso)
--------------	---------------------

Forma de Pagamento

1 – Cheque 2 – Dinheiro 3 – Misto (dinheiro e cheque)

Informar os dados seguintes quando o recebimento ocorrer em cheque

Nº Banco	Nº Cheque	Valor (preencher na forma de numeral e por extenso)
----------	-----------	---

Histórico

Para garantia de (preencher dados do documento que comprova a exigência do depósito caução)

3 – Favorecido (quem exige a caução)

Nome (preencher nome completo ou razão social por extenso)

Agência Nacional do Petróleo, Gás Natural e Biocombustíveis

CPF/CNPJ
02.313.673/0002-08

4 - Observações



5 - Condições Gerais

5.1 O levantamento dos recursos pode ser solicitado pelo Caucionário ou pelo Favorecido, com a anuência expressa da parte contrária.

5.2 A documentação abaixo deve ser entregue para o levantamento dos recursos caucionados (saque):

- Módulo I – “Recibo de caução” entregue pela CAIXA ao Caucionário no momento do depósito;
- Autorização expressa para levantamento dos recursos:
 - Módulo II – “Autorização para levantamento da Caução” (fornecido pela CAIXA e entregue ao Caucionário no ato da abertura da conta): preenchido e assinado, com firma reconhecida em cartório, por quem autoriza o levantamento da caução; ou
 - Ofício: emitido em papel timbrado por quem autoriza o levantamento da caução, com autorização expressa para o saque e com assinatura reconhecida em cartório; ou
 - Ofício/Documento com Assinatura Digital; ou
 - Alvará Judicial.
- No caso de PJ, a cópia autenticada em cartório de documento vigente que comprova a representação (levantamento tanto pelo Caucionário quanto pelo Favorecido):
 - documento constitutivo da PJ; ou
 - instrumento de ato de designação/nomeação que comprova que a pessoa que assina consta como RLA; ou
 - ata de assembléia que delegou poderes a quem assina.
- Procuração Pública (levantamento feito por procurador), quando for o caso.

5.2.1 Nas situações de levantamento por meio de Alvará Judicial não é necessária a anuência da parte contrária (Caucionário ou Favorecido).

5.3 Quando o Favorecido for algum dos órgãos abaixo, o levantamento dos recursos pode ser efetuado sem a anuência expressa do Caucionário desde que fique comprovado que o Favorecido deu ciência ao Caucionário:

- órgão da Administração Pública Direta Estadual e Municipal - poderes executivo, legislativo e judiciário estadual ou municipal, Estados e Municípios; ou
- órgão da Administração Pública Indireta (Federal, Estadual e Municipal) - comissões polinacionais, fundações, fundos públicos, empresas públicas e sociedades de economia mista das esferas federal, estadual e municipal e autarquias estaduais e municipais; ou

5.3.1 A comprovação pode ser feita por meio de AR, publicação no Diário Oficial ou outro meio utilizado como imprensa oficial.

2

SAC CAIXA: 0800 726 0101
(informações, reclamações, sugestões e elogios)
Para pessoas com deficiência auditiva ou de fala: 0800 726 2492
Ouvidoria: 0800 725 7474
caixa.gov.br



Recibo de Caução

5.4 É dispensada a anuência do Caucionário bem como a comprovação de comunicação quando o Favorecido for algum dos órgãos abaixo:

- CAIXA; ou
- órgãos da Administração Pública Direta Federal ou Autárquica – órgãos públicos integrantes dos poderes executivo, legislativo e judiciário federal ou autarquias federais.

5.5 O valor depositado em caução também poderá ser retido a título de multa, conforme previsão em edital ou documento que deu origem à caução.

5.6 A CAIXA enquanto Favorecida realiza o levantamento do depósito sob caução, independente de autorização judicial ou comunicação formal, dos valores caucionados a título de indenização. Não sendo possível intimar os Caucionários da decisão administrativa que fixou a indenização, far-se-á sua convocação por Edital, podendo a CAIXA levantar o depósito sob caução, caso esses não venham saldar seus compromissos decorridos 5 dias úteis da convocação.

5.7 O saldo da conta recebe remuneração "pró-rata-die" pelo mesmo índice de remuneração básica, dada pela Taxa Referencial - TR, referente ao primeiro dia do mês. Quando nesse dia a remuneração básica for igual a "0,00" não haverá correção/atualização do saldo no mês.

5.7.1 O valor da remuneração é provisionado diariamente e o crédito é efetuado automaticamente na conta no último dia útil do mês e na data em que ocorra movimentação a débito ou a crédito.

5.8 Sobre os depósitos das contas caução há incidência de Imposto de Renda Retido na Fonte (IRRF), exceto os caucionários imunes, isentos ou beneficiado de alíquota zero.

Local/Data

Assinatura do Caucionário (titular da conta)

Assinatura sob carimbo do Gerente

3

SAC CAIXA: 0800 726 0101
(informações, reclamações, sugestões e elogios)
Para pessoas com deficiência auditiva ou de fala: 0800 726 2492
Ouvidoria: 0800 725 7474
caixa.gov.br

ANNEX XIII – DECLARATION OF INTEREST IN SECTORS

The legal entity *[insert the corporate name of the legal entity]*, herein represented by its accredited representative(s), represents its interest to submit bid(s) for the following sectors.

Table 19A – Declaration of interest in sectors – exploration blocks

Basin	Sector

[Please add lines to include more sectors.]

Table 19B – Declaration of interest in sectors – areas with marginal accumulations

Basin	Sector

[Please add lines to include more sectors.]

The sectors with a declaration of interest in the sectors accompanied by a bid bond approved by the Bidding Round Special Commission – CEL which meet the requirements established in section 1.3.1. shall be a part of the public session for submission of bids of a cycle of the Open Acreage Concession Modality.

[signature]

Signed by: *[insert the name(s) of the accredited representative(s) of the legal entity]*

Place and date: *[insert place and date]*

ANNEX XIV – EQUIVALENCE OF THE UNITS OF WORK

For purposes of compliance with the minimum exploration program (PEM), the following provisions shall be observed:

Nine categories of geological and geophysical exploration activities to be converted into Units of Work (UWs) shall be taken into account for purposes of complying with the minimum exploration program. Namely:

- (a) Exploration well unit;
- (b) Seismic surveys;
- (c) Seismic reprocessing
- (d) Potential methods (gravimetric and magnetometric, conventional and gradiometric);
- (e) Gamma-spectrometric surveys;
- (f) Electromagnetic surveys;
- (g) Electromagnetic reprocessing;
- (h) Geochemical surveys; and
- (i) Multibeam bathymetry.

In case of need to change the spacing, grip, sampling intervals, or coverage set forth in this tender protocol, the concessionaire shall send a technical justification for analysis and approval of ANP.

Exploratory Wells

For purposes of compliance with the minimum exploration program, the exploratory wells shall achieve the main objective approved by ANP upon submission of the Notice of Well Drilling (NPP).

2D and 3D Seismic

For purposes of compliance with the minimum exploration program, 2D (linear km) and 3D (km²) seismic surveys, that are limited and within the area of the exploration block, shall be taken into account. In this case, the UWs shall be calculated per each type of survey.

Non-exclusive surveys (and/or reprocessings) authorized by ANP may be used to calculate the UWs, taking into account the period between the request for deduction of the minimum exploration program and the closing of the field acquisition transaction (and/or reprocessing completion date) of non-exclusive data by using a reducing factor for deduction, pursuant to the conditions detailed in Table 20.

2D and 3D Seismic Reprocessing

Reprocessing of 2D or 3D public seismic data includes pre-stack time migration (PSTM) and/or pre-stack depth migration (PSDM) in the pre-stack phase, and only one reprocessing per survey on field seismic data is allowed. The entire extension of the field seismic data contained in the block shall be reprocessed for purposes of deduction of Units of Work, and a Notice of Reprocessing of Seismic Data shall be sent to ANP. The area of the reprocessed seismic program to be deducted in Units of Work shall be limited to the inner part of the exploration block.

Conventional Gravimetric and Magnetometric Surveys

Conventional gravimetric and magnetometric surveys that cover the area of the exploration block in its entirety shall be accepted. The UWs shall be calculated per type of survey. In offshore basins, the maximum spacing between the acquisition lines shall be 1,000 m for blocks with an area of up to 1,000 km² and no more than 2,000 m for blocks with area larger than 1,000 km². For the shallow water sectors, a maximum of 31 UWs shall be attributed per exploration block and for deep water sectors, a maximum of 72 UWs per exploration block.

In onshore basins, the maximum spacing between the acquisition lines shall be 2,000 m for blocks with an area larger than 1,000 km². For onshore basins in new frontier areas, no more than 378 UWs shall be attributed per exploration block.

Gravimetric and Gradiometric Surveys, Magnetometric and Gradiometric surveys, and High-Resolution Gravimetric surveys

Gravimetric and gradiometric surveys, magnetometric and gradiometric surveys, and high-resolution gravimetric surveys (abbreviated in the consolidation table as “GRAV AR”) that cover

all exploration block area shall be accepted. The maximum spacing between the acquisition lines shall be 1,000 m for blocks with an area of up to 1,000 km² and no more than 2,000 m for blocks with area bigger than 1,000 km².

For mature basins, a maximum of 75 UWs shall be attributed per block, and for onshore basins in new frontier areas, a maximum of 1,890 UWs per exploration block shall be attributed.

For the shallow water sectors, a maximum of 77 UWs shall be attributed per exploration block and for deep water sectors, a maximum of 181 UWs per exploration block.

Gamma-spectrometric Surveys

Gamma-spectrometric surveys shall be accepted and the maximum spacing between the acquisition lines shall be 1,000 m for blocks with an area of up to 1,000 km² and 2,000 m for blocks with an area larger than 1,000 km².

For mature basins, a maximum of 15 UWs shall be attributed per exploration block and for onshore basins in new frontier areas, a maximum of 378 UWs per exploration block.

Electromagnetic Surveys

Aerial electromagnetic surveys through acquisition lines that cover the area of the exploration block in its entirety will be accepted.

The maximum spacing between the aerial acquisition lines shall be 1,000 m for blocks with an area of up to 1,000 km² and 2,000 m for blocks with an area larger than 1,000 km².

For mature basins, a maximum of 75 UWs shall be attributed per block and for onshore basins in new frontier areas, a maximum of 1,890 UWs per exploration block.

Ground electromagnetic surveys through receivers will be accepted. The maximum spacing between the receivers shall be 1,000 m for blocks with an area of up to 1,000 km² and no more than 5,000 m for blocks with area bigger than 1,000 km².

For mature basins, a maximum of 75 UWs shall be attributed per exploration block, and for onshore basins in new frontier areas, a maximum of 564 UWs per exploration block shall be attributed.

Marine electromagnetic surveys through receivers or receiver lines (km or km²) will be accepted. When through receivers, the maximum spacing between receivers shall be 3,000 m for exploration blocks with an area of up to 1,000 km² and of up to 5,000 m for exploration blocks with an area larger than 1,000 km².

For the shallow water sectors, a maximum of 150 UWs shall be attributed per exploration block, and for deep water sectors, a maximum of 350 UWs per exploration block shall be attributed.

When through receiver lines, the maximum spacing between lines shall be 1,000 m and the maximum spacing between receivers shall be 3,000 m for exploration blocks with an area of up to 1,000 km². For exploration blocks with area bigger than 1,000 km², the maximum spacing between the lines shall be 2,000 m and, between the receivers, 5,000 m.

For the shallow water sectors, a maximum of 185 UWs shall be attributed per exploration block, and for deep water sectors, a maximum of 430 UWs per exploration block shall be attributed.

Electromagnetic Reprocessing

Electromagnetic data reprocessing includes inversion of field data, provided that only one reprocessing per electromagnetic field data survey is allowed.

All electromagnetic field data contained in the block shall be reprocessed for purposes of deduction of Units of Work, and a single notice of electromagnetic data reprocessing shall be sent.

The extension of the electromagnetic program to be deducted in UWs shall be limited to the inner part of the block area.

Geochemical Surveys

For performing the PEM, geochemical surveys shall analyze at least the content of free hydrocarbon, detailing type and concentration of gases and liquids, when detected. They shall observe a grid and maximum interval of collection of 500 m for blocks with areas of up to 1,000 km² and 1,000 m for blocks with areas bigger than 1,000 km².

For onshore geochemical surveys through collection of samples, for mature basins, a maximum of 40 UWs shall be attributed per exploration block, while for onshore basins in new frontier areas, a maximum of 935 UWs per exploration block shall be attributed.

For marine geochemical surveys through collection of samples, for the shallow water sectors, a maximum of 240 UWs shall be attributed per exploration block, and for deep water sectors, a maximum of 550 UWs per exploration block shall be attributed.

Multibeam Bathymetry Surveys

Multibeam bathymetric surveys shall be accepted for compliance with the minimum exploration program, as long as the surveys are limited to the inner part of the block area and as long as they are conducted following the best acquisition practices for this type of technology.

The acquisition line and control plan shall ensure full coverage of the block for purposes of deduction of UWs.

For the shallow water sectors, a maximum of 31 UWs shall be attributed per exploration block, and for deep water sectors, a maximum of 72 UWs per exploration block shall be attributed.

Table 20 – Equivalence of units of work to comply with the minimum exploration program

Offshore

Description	Measure	Deepwater Sectors	Shallow Water Sectors
Block Area (order of magnitude)	km²	720	180
Unit Financial Value per UW	R\$/UW	176,000.00	76,000.00
Exploration Activity	Measure	Equivalence of UW – Deepwater	Equivalence of UW – Shallow Water
Exploratory Well	UW	1,000	1,000
Offshore 2D Seismic	UW/km	0.137	0.316
Offshore 3D Seismic	UW/km ²	0.268	0.621
2D Reprocessing	UW/km	0.011	0.026
3D Reprocessing	UW/km ²	0.020	0.045
Gravimetric or Magnetometric Potential Methods	UW/km	0.007	0.017
Gravimetric-High Resolution Potential Methods	UW/km	0.037	0.085
Gravimetric-Gradiometric Potential Methods	UW/km	0.037	0.085
Magnetometric-Gradiometric Potential Methods	UW/km	0.037	0.085
Electromagnetic (km)	UW/km	0.137	0.316
Electromagnetic (km ²)	UW/km ²	0.201	0.466
Electromagnetic Reprocessing (km)	UW/km	0.012	0.027
Electromagnetic Reprocessing (km ²)	UW/km ²	0.015	0.034
Geochemistry	UW/Sample	0.172	0.398
Multibeam Bathymetry	UW/km	0.007	0.017

Onshore

Description	Measure	Onshore Sectors
Block Area (order of magnitude)	km²	30
Unit Financial Value per UW	R\$/UW	6,000.00
Exploration Activity	Measure	Equivalence of UW – Deepwater
Exploratory Well	UW	1,000
2D Seismic	UW/km	7.845
3D Seismic	UW/km ²	25.717
2D Reprocessing	UW/km	0.222
3D Reprocessing	UW/km ²	0.652
Gravimetric or Magnetometric Potential Methods	UW/km	0.216
Gravimetric-High Resolution Potential Methods	UW/km	1.079
Gravimetric-Gradiometric Potential Methods	UW/km	1.079
Magnetometric-Gradiometric Potential Methods	UW/km	1.079
Aerial electromagnetic	UW/km	1.079
Electromagnetic with receiver	UW/Receiver	6.264
Electromagnetic Reprocessing (Receiver)	UW/Receiver	0.133
Electromagnetic Reprocessing (km)	UW/km	0.133
Geochemistry	UW/Sample	0.566
Multibeam Bathymetry	UW/km	0.216

Table 21 – Reduction factors of the non-exclusive surveys for purposes of performance of the minimum exploration program of the exploration phase

<u>Time elapsed since request for reduction of the Minimum Exploration Program to ANP to the date of completion of the operations for acquisition or reprocessing of non-exclusive data</u>	Reduction Factor*
0-1 year	1.0
1-2 years	0.9
2-3 years	0.8
3-4 years	0.7
4-5 years	0.6
5-6 years	0.5
6-7 years	0.4
7-8 years	0.3
8-9 years	0.2
9-10 years	0.1
> 10 years	0

Note:

* Only non-exclusive surveys authorized by ANP shall be accepted, provided that the data acquisition legal entities have met all requirements of data submission to the Exploration and Production Database (BDEP).

For calculation of the amount to be taken into account as performance of the Minimum Exploration Program of the Exploration Phase, the value of the UWs corresponding to the exploration carried out shall be multiplied by the reduction factor in the table, according to the time elapsed between the request for reduction of the minimum exploration program and completion of the operation of acquisition.

For acquisition of reprocessed non-exclusive surveys, the time elapsed between the request for reduction of the minimum exploration program and completion of the operation of reprocessing of non-exclusive data shall be taken into account.

ANNEX XV – DECLARATION OF ABSENCE OF RESTRAINTS ON EXECUTION OF THE CONCESSION AGREEMENT

[insert bidder's corporate name], represented by its accredited representative(s), under the penalties provided for in the applicable laws and regulations, hereby declares, for purposes of meeting the requirements set forth in section 8.1 of the Open Acreage Concession Modality Tender Protocol for Award of Concession Agreements for Exploration or Rehabilitation and Production of Oil and Gas, that there are NO restraints on execution or performance of the concession agreement.

It also declares that:

- (a) it does not employ persons under the age of eighteen (18) in any type of night-time, hazardous, or unhealthy activity nor persons under the age of sixteen (16), except as apprentices as of the age of fourteen (14);
- (b) it is not disreputable to enter into agreements with the Public Administration;
- (c) there is no final conviction against the bidder for environmental crime committed in the exercise of an activity identical to the object of this bidding process or for harmful tort against the domestic or foreign public administration, as provided by Law No. 12,846/2013, assessed in a lawsuit or administrative proceeding, for which the extinction of criminal liability has not been declared yet;
- (d) there is no final conviction against its managers for bankruptcy crime, crime against the national financial system, Public Administration, tax system, economic order, consumer relations, work and environmental organizations, as well as any crime provided by Law No. 8,666/1993 for which the extinction of criminal liability has not been declared yet; and
- (e) it acknowledges the existence of proceedings numbers 5005509-18.2014.404.7005 (State of Paraná), 080036679.2016.4.05.8500 (State of Sergipe), 0030652-38.2014.4.01.3300 (State of Bahia) and 0005610-46.2013.4.01.4003 (State of Piauí), with effective injunctions preventing or limiting the implementation of exploration activities of unconventional resources by using the hydraulic fracturing technique in the basins of Parnaíba, Sergipe-Alagoas, Recôncavo, and Paraná, not being applicable any damages, claim of economic

and financial imbalance, or return of signature bonus due to impossibility of the use of such technique, as a result of administrative or court decisions.

[signature]

Signed by: *[insert the name(s) of the accredited representative(s) of the bidder]*

Place and date: *[insert place and date]*

ANNEX XVI – STATEMENT OF MATERIAL LEGAL OR COURT PROCEEDINGS

[insert bidder's corporate name], represented by its accredited representative(s), under the penalties provided for in the applicable laws and regulations, hereby declares, for purposes of meeting the requirements set forth in section 8.1 of the tender protocol of the h Production Sharing Bidding Round, that *[insert "there are" or "there are no", as the case may be]* material legal or court proceedings, including those capable of entailing judicial reorganization, bankruptcy, or any other event that may affect the financial reputability of this representing party.

[List material outstanding issues, if applicable]

[signature]

Signed by: *[insert the name(s) of the accredited representative(s) of the bidder]*

Place and date: *[insert place and date]*

ANNEX XVII – TECHNICAL SUMMARY 01: TECHNICAL QUALIFICATION BY EXPERIENCE OF THE BIDDER OR ITS CORPORATE GROUP

The filling of this document should comply with the provisions in the section “Technical Qualification” of the Open Acreage Concession Modality Tender Protocol for Award of Concession Agreements for Exploration or Rehabilitation and Production of Oil and Gas and with instructions included in this annex. Information must be clear and objective, under penalty of impossibility of assessment of information presented in case of inaccuracy.

I – Information about the bidder.

A) Corporate Name

--

B) Bidder's main activity (description of the bidder's main activity and fields of operation).

--

C) Corporate control (relationship with its head office or parent company, when applicable).

--

D) Qualification option.

If, for purposes of assignment of points, information related to exploration and production activities developed by other legal entities that are a part of the bidder's corporate group are listed, the box below must be checked.

<input type="checkbox"/>	Uses corporate group's experience for purposes of technical qualification.
--------------------------	---

II – E&P activities in current contracts or projects.

Filling out instructions for Item II.

- Only list projects in progress or in effect on the date of filing of this document.
- **Contract:** describe the name of the contract, group of contracts, or project.
- **Location:** inform the Basin, Block, Field, Contract, Country of development of the activity.
- **Form of participation:** inform whether it acts as Operator, Non-Operator, or Service provider.
- **Description:** include relevant information about the contract or project, such as characteristics, activities developed, among others. If corporate group's experience is used, the company responsible for the activities described shall also be informed.

If the bidder wishes to describe more than one project for each of the items below ("A" to "H"), the bidder shall replicate the table for each project.

A) Inform E&P activities in onshore areas that are currently in the exploration phase.

Contract	Location	Form of Participation	Beginning of the Operation (month/year)
Description			

A) Inform E&P activities in onshore areas that are currently in the production phase.

Contract	Location	Form of Participation	Beginning of the Operation (month/year)

Description

C) Inform E&P activities in shallow water areas (water depth up to 400 m) currently in the exploration phase.

Contract	Location	Form of Participation	Beginning of the Operation (month/year)
Description			

D) Inform E&P activities in shallow water areas (water depth up to 400 m) currently in the production phase.

Contract	Location	Form of Participation	Beginning of the Operation (month/year)
Description			

E) Inform E&P activities in deep or ultra-deepwater areas (water depth above 400 m) currently in the exploration phase.

Contract	Location	Form of Participation	Beginning of the Operation (month/year)

Description			

F) Inform E&P activities in deep or ultra-deepwater areas (water depth above 400 m) currently in the production phase.

Contract	Location	Form of Participation	Beginning of the Operation (month/year)
Description			

G) Inform E&P activities in an adverse operating environment. (Description of the characteristics that fit in adverse environments pursuant to section “Technical Qualification” of the tender protocol is required).

Contract	Location	Form of Participation	Beginning of the Operation (month/year)
Description			

H) Inform E&P activities in environmentally sensitive areas. (Description of the characteristics that fit in environmentally sensitive areas pursuant to section “Technical Qualification” of the tender protocol is required).

Contract	Location	Form of Participation	Beginning of the Operation (month/year)

Description			

III – Length of Experience in E&P activities

Filling out instructions for Item III.

- **Project:** describe the name of the contract, group of contracts, or project.
- **Location:** inform the Basin, Block, Field, Contract, Country of development of the activity.
- **Form of participation:** inform whether it acts as Operator, Non-Operator, or Service provider
- **Description:** include relevant information about the contract or project, such as characteristics, activities developed, among others. If corporate group's experience is used, the company responsible for the activities described shall also be informed.
- The bidder may submit more than one project in each item evaluated. In such case, it shall replicate the table for each project.

A) Inform E&P activities in an onshore operating environment.

Contract	Location	Form of Participation	Beginning of the Operation (month/year)	Beginning of the Operation (month/year)
Description				

B) Inform E&P activities in shallow water areas (water depth up to 400 m).

Contract	Location	Form of Participation	Beginning of the	Beginning of the
-----------------	-----------------	------------------------------	-------------------------	-------------------------

			Operation (month/year)	Operation (month/year)
Description				

C) Inform E&P activities in deep or ultra-deepwater areas (water depth above 400 m).

Contract	Location	Form of Participation	Beginning of the Operation (month/year)	Beginning of the Operation (month/year)
Description				

IV – Average volume of production of oil equivalent as Operator.

Filling out instructions for Item IV

- Information provided in the table below should correspond to the production as Operator.
- **Description:** may include relevant information about contracts or projects taken into account for data consolidated in the table.
- Data should be filled out in barrels of oil equivalent per day pursuant to section “Technical Qualification” of the tender protocol.

Average production of oil equivalent in the last 5 years (barrels of oil equivalent/day)					
20XX	20XX	20XX	20XX	20XX	Average
Description					

V – Amount of investments in exploration activities as operator.

Filling out instructions for Item III.

- Investments presented in the table below should correspond to investments made as Operator.
- **Description:** may include relevant information about contracts or projects taken into account for data consolidated in the table.
- Data should be filled out in millions of Reais pursuant to section “Technical Qualification” of the tender protocol.

Operating environment	Amount of Investments in the last 5 years (millions of Reais)					
	20XX	20XX	20XX	20XX	20XX	Total
Onshore						
Shallow water						
Deep or ultra-deep water						
	Description					

VI – Aspects related to HSE

Filling out instructions for Item VI

Items shall only be scored upon submission of documents, pursuant to the tender protocol.

Item	Effective date (month/year)
------	--------------------------------

HSE Policy	
Certificate of Integrated HSE System	

VII – Additional information

--

I hereby certify, under the penalties provided for in the applicable laws and regulations, the truthfulness, accuracy, and correctness of the information provided in this form.

[signature]

Signed by: [insert the name(s) of the accredited representative(s) of the bidder]

Place and date: [insert place and date]

ANNEX XVIII – TECHNICAL SUMMARY 02: TECHNICAL QUALIFICATION BY EXPERIENCE OF THE BIDDER’S TECHNICAL STAFF

The filling of this document should comply with the provisions in the section “Technical Qualification” of the Open Acreage Concession Modality Tender Protocol for Award of Concession Agreements for Exploration or Rehabilitation and Production of Oil and Gas and with instructions included in this annex. Information must be clear and objective, under penalty of impossibility of assessment of information presented in case of inaccuracy.

I – Information about the bidder

A) Corporate Name

--

B) Bidder’s main activity (description of the bidder’s main activity and fields of operation).

--

C) Corporate control (relationship with its head office or parent company, when applicable).

--

II – Technical staff experience

Filling out instructions for item II

The bidder shall appoint, in the form in item II the “Activity Area” to be considered for evaluation of the professional experience of the technical staff, pursuant to the table presented “Technical Qualification” of the tender protocol and reproduced below:

Activity Area	Points for length of experience (years)		
	$2 \leq T < 5$	$5 \leq T < 10$	$T \geq 10$
Exploration – Onshore	3	5	7
Production – Onshore	3	5	7
Exploration – Shallow Water	3	5	7
Production – Shallow Water	3	5	7
Exploration – Deep or Ultra-Deepwater	3	5	7
Production – Deep/ultra-deepwater	3	5	7
Operation in Adverse Environments	3	5	7
Operation in Environmentally Sensitive Areas	3	5	7

- If the bidder wishes to list more than one Activity Area, it must replicate the form in item II for each area of activity with experience to be informed.
- The form in item II shall appoint the professional in the technical staff with experience, the length of experience in the Activity Area, the company in which activities were developed, and the description of the activities.
- For purposes of assignment of points, only the appointment of one professional per Activity Area shall be taken into account.
- The bidder may appoint the same professional in more than one Activity Area, as long as information described in the form are correctly correlated.
- Field (c) “Description of activities” shall exclusively describe projects related to the activity area indicated in field (a) “Activity Area”.
- Sub-item “Description” shall include information about the project or group of projects, country, sedimentary basin, field, water depth, characteristics, activities developed, and other applicable information.
- Sub-item “Employment bond” shall inform whether the professional appointed is an employee, service provider, consultant, among others.
- Sub-field “Identification card” shall include the CPF, identity or passport number, or an equivalent number, and professional registration number, if applicable.

(a) Activity Area		
(b) Professional of the technical staff	Name	
	Identification Card	
	Professional or academic background	
	Employment bond	
	Length of experience in the activity listed in item "a" (in years)	
(c.1) Description of activities	Company	
	Period (start date and end date)	
	Description	
(c.2) Description of activities	Company	
	Period (start date and end date)	
	Description	
(c.3) Description of activities	Company	
	Period (start date and end date)	
	Description	
(d) Additional information		

(e) Professional's signature	
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I hereby certify, under the penalties provided for in the applicable laws and regulations, the truthfulness, accuracy, and correctness of the information provided in this form.

[signature]

Signed by: [insert the name(s) of the accredited representative(s) of the bidder]

Place and date: [insert place and date]

ANNEX XIX – TECHNICAL SUMMARY 03: TECHNICAL QUALIFICATION AS A NON-OPERATOR

The filling of this document should comply with the provisions in the section “Technical Qualification” of the Open Acreage Concession Modality Tender Protocol for Award of Concession Agreements for Exploration or Rehabilitation and Production of Oil and Gas and with instructions included in this annex. Information must be clear and objective, under penalty of impossibility of assessment of information presented in case of inaccuracy.

I – Information about the bidder.

A) Corporate Name.

--

B) Bidder's main activity (description of the bidder's main activity and fields of operation).

--

C) Corporate control (relationship with its head office or parent company, when applicable).

--

I hereby certify, under the penalties provided for in the applicable laws and regulations, the truthfulness, accuracy, and correctness of the information provided in this form.

[signature]

Signed by: [insert the name(s) of the accredited representative(s) of the bidder]

Place and date: [insert place and date]

ANNEX XX – TECHNICAL SUMMARY 04: TECHNICAL QUALIFICATION FOR BIDDERS ALREADY OPERATING IN BRAZIL

The filling of this document should comply with the provisions in the section “Technical Qualification” of the Open Acreage Concession Modality Tender Protocol for Award of Concession Agreements for Exploration or Rehabilitation and Production of Oil and Gas and with instructions included in this annex. Information must be clear and objective, under penalty of impossibility of assessment of information presented in case of inaccuracy.

I – Information about the bidder

A) Corporate Name.

--

II – Information for technical qualification:

(A) List of the concession or production sharing agreements which block or field is located onshore and where the bidder acts as operator

--

(B) List of the concession or production sharing agreements which block or field is located in shallow water (water depth up to 400 meters) and where the bidder acts as operator

--

(C) List of the concession or production sharing agreements which block or field is located in deep or ultra-deepwater (water depth higher than 400 meters) and where the bidder acts as operator.

(D) List of the concession or production sharing agreements in which the bidder acts as non-operator.

(E) Additional information

I hereby certify, under the penalties provided for in the applicable laws and regulations, the truthfulness, accuracy, and correctness of the information provided in this form.

[signature]

Signed by: *[insert the name(s) of the accredited representative(s) of the bidder]*

Place and date: *[insert place and date]*

INSTRUCTIONS FOR FILLING OUT TECHNICAL SUMMARY 04

1. General Instructions:

1.1. Technical summary 04 must be submitted in the cases provided for in the Open Acreage Concession Modality Tender Protocol for Award of Concession Agreements for Exploration or Rehabilitation and Production of Oil and Gas, according to the form in ANNEX XX, entitled TECHNICAL SUMMARY 04: TECHNICAL QUALIFICATION FOR

BIDDERS ALREADY OPERATING IN BRAZIL. Only the technical summaries submitted in the abovementioned form shall be analyzed.

1.2. For filling technical summary 04, the text must be adjusted to what is requested for technical qualification, as provided for in section 8.2.4 of the Open Acreage Concession Modality Tender Protocol for Award of Concession Agreements for Exploration or Rehabilitation and Production of Oil and Gas, enabling ANP to identify the elements that will be analyzed.

1.3. The items that shall be included in the technical summary are:

- I. List of the concession or production sharing agreements which block or field is located onshore and where the bidder acts as operator.
- II. List of the concession or production sharing agreements which block or field is located in shallow water (water depth up to 400 meters) and where the bidder acts as operator.
- III. List of the concession or production sharing agreements which block or field is located in deep or ultra-deepwater (water depth higher than 400 meters) and where the bidder acts as operator.
- IV. List of the concession or production sharing agreements in which the bidder acts as non-operator.

2. Filling of the items of technical summary 04:

2.1. Items I, II, III, and IV: the bidder must inform the numbers of the concession or production sharing agreements in which it acts as a concessionaire or contractor in Brazil.

ANNEX XXI – SUMMARY OF FINANCIAL STATEMENTS (ONLY FOR FOREIGN LEGAL ENTITIES)

This form, which is only applicable to foreign bidders headquartered abroad, must be completed in Reais (BRL) with the summarized information of the Financial Statements for the last three (3) fiscal years of the bidder.

The exchange rate (buying) of the origin currency at the end of each fiscal year, as published by the Central Bank of Brazil, shall be used for conversion of the Balance Sheet in Reais (BRL).

For conversion of the Income Statement, the conversion criteria in paragraph 40 of CPC Technical Pronouncement No. 2, i.e., the average exchange rate for each fiscal year, shall be used.

ASSET	Date: _____	Date: _____	Date: _____	LIABILITIES	Date: _____	Date: _____	Date: _____
Current (a)				Current (a)			
Non-Current (b= c+d+e+f)				Non-Current (b)			
Long-term Receivables (c)				Net Equity (c)			
Investments (d)							
Fixed Assets (e)							
Intangible Assets (f)							
TOTAL (g = a + b)				TOTAL (d=a+b+c)			

INCOME STATEMENT FOR THE YEAR	Year: _____	Year: _____	Year: _____
GROSS REVENUE			
INCOME BEFORE INCOME TAXES			
NET PROFIT			

Notes ⁵

Accountant responsible

Name: _____

Professional Enrollment: _____

Signature: _____ Date: _____

Manager of bidder

Name: _____

Identity number: _____

Signature: _____ Date: _____

[signature]

⁵ Issued by an independent auditor or accountant in charge, if applicable.

Signed by: *[insert the name(s) of the accredited representative(s) of the bidder]*

Place and date: *[insert place and date]*

ANNEX XXII – SIGNATORY INFORMATION

The legal entity *[insert bidder's corporate name]*, represented by its accredited representative(s), hereby presents the following information as a condition to execution of the concession agreement(s):

Block(s) or Area(s): *[insert the code(s)/name(s) of the block(s) or area(s) object of the concession agreement(s)]*

Name of the winner of the public session for submission of bids of a cycle of the Open Acreage Concession Modality: *[insert bidder's corporate name]*

Name of the signatory of the concession agreement(s): *[insert signatory's corporate name]*

Enrollment in the CNPJ: *[insert signatory's CNPJ enrollment number]*

Signatory information:

Address: *[insert address]*

City: *[insert city]*

State: *[insert state]*

Zip Code: *[insert zip code]*

Representative(s) that will sign the concession agreement(s):

Name: *[insert name]*

Title: *[insert title (this information shall be included in the concession agreement)]*

Email: *[insert email address]*

Name: *[insert name]*

Title: *[insert title (this information shall be included in the concession agreement)]*

Email: *[insert email address]*

[signature]

Signed by: *[insert the name(s) of the accredited representative(s) of the bidder]*

Place and date: *[insert place and date]*

**ANNEX XXIII – FORM OF LETTER OF CREDIT FOR COMPLIANCE WITH THE
MINIMUM EXPLORATION PROGRAM (PEM) OR THE INITIAL WORK
PROGRAM (PTI)**

IRREVOCABLE LETTER OF CREDIT

ISSUED BY *[insert Bank name]*

Date: *[insert date in the format month/day/year]*

No.: *[insert Letter of Credit number]*

Initial Par Value: R\$ *[insert Par Value]*

To

National Agency of Petroleum, Natural Gas, and Biofuels

Avenida Rio Branco, 65 – 19th floor – Centro

Zip Code: 20090-004 – Rio de Janeiro, RJ – Brazil

Dear Sirs,

1. *[insert Bank name]*, organized under the laws of the *[insert country according to the example: Federative Republic of Brazil]*, as the ISSUER, for the benefit of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP, an independent agency of the Indirect Federal Administration of the Government of the Federative Republic of Brazil, hereby issues the Irrevocable Letter of Credit No. *[insert Letter of Credit number]*, through which the ISSUER authorizes ANP to withdraw, in a lump sum, the Par Value of *[insert Par Value in writing]* Reais (R\$*[insert Par Value]*), adjusted by the IGP-DI pursuant to the Concession Agreement, upon submission of a Payment Order and a Proof of Withdrawal (defined below) at the ISSUER's branch referred to in Section 5 of this Letter of Credit, during the Period of Withdrawal (as defined in Section 4 below).

1.1. *[The par value of this bond shall be automatically adjusted by the IGP-DI variation from the date of issue to the date of the effective payment, in any of the execution events of this bond as provided for in the concession agreement].* **(SUGGESTED SECTION IN CASE THE CONCESSIONAIRE CHOOSES THE AUTOMATIC ADJUST SET FORTH IN SECTION SIX OF THE CONCESSION AGREEMENT OF EXPLORATION BLOCKS OR IN SECTION FOURTEEN OF THE CONCESSION AGREEMENT OF AREAS WITH MARGINAL ACCUMULATIONS).**

2. This Letter of Credit was prepared according to Concession Agreement No. *[insert Concession Agreement number]*, related to block(s)/area(s)/field(s) *[insert the code(s)/name(s) of the block(s)/area(s)/field(s) object of the Concession Agreement]*, executed on *[insert date in the format month/day/year]* by and between ANP and the concessionaire(s) *[insert the corporate name(s) of the signatory(ies)]*, organized under the laws of the Federative Republic of Brazil.

3. The Par Value of the Letter of Credit shall initially be *[insert amount in writing]* Reais (R\$*[insert par value]*), which may reduce upon submission of a *Proof of Reduction* by ANP to the ISSUER, as defined in Document I (Form of Proof of Reduction), specifying a new, lower Par Value.

4. The Par Value of the Letter of Credit shall be adjusted by the IGP-DI pursuant to the Concession Agreement and may be withdrawn by ANP according to the provisions in Section 5 of this Letter of Credit on any Banking Day during the Period for Withdrawal, from 10 a.m. to 4 p.m., Rio de Janeiro time, from *[insert first day of the month of execution of the Concession Agreement pursuant to the cycle schedule, in the format month/day/year]* to *[insert date in the format day/month/year after 180 days of the last day of the Exploration or Rehabilitation Phase]*⁶ (the “Period for Withdrawal”). “Banking day” means any day, except for Saturday, Sunday, or any other day on which commercial banks of the city of Rio de Janeiro are authorized or required by law, regulatory rule, or decree, to remain closed.

5. A withdrawal may only be made based on this instrument upon submission of a Payment Order by ANP to the ISSUER, pursuant to Document II (Form of Payment Order)

⁶ Insert the date for 180 days after the last day of such Exploration or Rehabilitation Phase, pursuant to ANP’s guidance.

attached hereto, and of a Proof of Withdrawal, executed by ANP, pursuant to Document III (Form of Proof of Withdrawal) attached hereto. The Payment Order and Proof of Withdrawal shall be presented at the ISSUER's branch, in Rio de Janeiro, located at *[insert Issuer's address]* or at any other address in Rio de Janeiro indicated by the ISSUER to ANP upon notice, as provided for in Section 9 of this Letter of Credit.

6. Upon submission of the Payment Order and the Proof of Withdrawal by ANP during the Period of Withdrawal at the branch indicated by the ISSUER in Section 5 of this Letter of Credit, the ISSUER shall pay the Par Value, in Reais (BRL) adjusted by the IGP-DI pursuant to the Concession Agreement, according to the procedure established in the Proof of Withdrawal. The Issuer shall make the payment within three (3) banking days of the date of submission of the request.

7. This Letter of Credit shall expire on the earlier of the following events: (i) on *[insert date in the format month/day/year, after 180 days of the last day of the Exploration Phase]*,⁷ (ii) decrease in the Par Value of this Letter of Credit to zero, (iii) the date on which ANP presents to the Issuer a Proof made by ANP, as provided for in Document 4 (Form of Proof of Completion), and (iv) irrevocable payment by the ISSUER to ANP, as defined in Section 6 of this Letter of Credit, of the Par Value adjusted by the IGP-DI pursuant to the Concession Agreement, through adequate withdrawal. However, any withdrawal correctly made before expiration of this Letter of Credit shall be honored by the ISSUER. In case the ISSUER's branch referred to in Section 5 of this Letter of Credit is closed on the date mentioned in item (i) of this Section 7, the maturity date of this Letter of Credit and the Period of Withdrawal shall be extended to the subsequent banking day on which the abovementioned branch is open.

8. Only ANP may withdraw this Letter of Credit, as well as exercise any other rights defined herein.

9. Notices

All notices, requirements, instructions, waivers, or other information to be provided related to this Letter of Credit shall be written in Portuguese and delivered by a personal messenger, courier, mail services, or fax and forwarded to the following address:

⁷ Insert the date for 180 days after the last day of such Exploration or Rehabilitation Phase, pursuant to ANP's guidance.

If to the ISSUER:

[insert Issuer's name]

[insert Issuer's address]

[insert Zip Code]

[insert city]

If to ANP:

Exploration Blocks

Superintendence of Exploration – SEP

Avenida Rio Branco, 65 – 19th floor – Centro

Zip Code: 20090-004 – Rio de Janeiro, RJ – Brazil

Facsimile: (+55 21) and 2112 8419

Areas with marginal accumulations

Superintendence of Development and Production – SDP

Avenida Rio Branco, 65 – 19th floor – Centro

Zip Code: 20090-004 – Rio de Janeiro, RJ – Brazil

Facsimile: (+55 21) 3797-6399

10. Addresses and fax numbers for sending information related to this Letter of Credit may be changed by the ISSUER or ANP upon notice to the other party at least fifteen (15) banking days before the date of the change.

11. This Letter of Credit establishes, in full and unconditional terms, the ISSUER'S obligation, which shall not be, in any way, changed or amended based on any document, instrument, or agreement, except for the: (i) Proof of Reduction; (ii) Payment Order; (iii) Proof of Withdrawal; (iv) Proof of Completion; (v) approval by ANP of the Assignment of Rights and Obligations, pursuant to the Concession Agreement, as well as, at the

ISSUER'S discretion, upon approval, by ANP, of the extension or suspension of the schedule of the Minimum Exploration Program (PEM) or the Initial Work Program (PTI), provided for in the Concession Agreement.

12. This Letter of Credit, under the terms and conditions presented herein and for the intended purpose, is a valid and lawful document enforceable in the location of billing, and the ISSUER may not present any argument to ANP preventing its full and total execution.

Kind regards,

[Insert name of Bank]

[signature]

Name: *[insert name of the person responsible for the issue]*

Title: *[insert title of the person responsible for the issue]*

Document I

Form of Proof of Reduction

[Form to be filled out by ANP – DO NOT FILL OUT.]

PROOF OF REDUCTION

This refers to Irrevocable Letter of Credit No. *[insert Letter of Credit number]*, executed in *[insert city]*, dated *[insert date in the format month/day/year]*, issued by *[insert Issuer's name]*, enrolled with CNPJ under No. *[insert CNPJ enrollment number]*, and submitted by *[insert Concessionaire's name]* to the benefit of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP.

The undersigned, duly authorized to sign this proof on behalf of ANP, hereby certifies that:

(i) The amount in Reais (BRL) specified below in item (a) corresponds to the amount of the Par Value of the Letter of Credit allocable to the works carried out by the Concessionaires with respect to the Minimum Exploration Program up to the date of this Proof; and

(ii) The Par Value of the Letter of Credit shall be reduced to an amount equal to the Remaining Par Value specified below in item (b), effective as of the date of this proof.

(a) Amount in Reais (BRL) allocable to works in the Minimum Exploration Program (PEM) or the Initial Work Program (PTI):

R\$*[insert Par Value]*

(b) Remaining Par Value:

R\$*[insert Remaining Par Value]*

This proof was signed by the undersigned on behalf of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP on *[insert date in the format month/day/year]*.

[signature]

Name: *[insert name of the person responsible for the issue]*

Title: *[insert title of the person responsible for the issue]*

Document II

Form of Payment Order

[Form to be filled out by ANP – DO NOT FILL OUT.]

PAYMENT ORDER

Letter of Credit No. *[insert Letter of Credit number]*

Rio de Janeiro – RJ

Date of Withdrawal: *[insert date in the format month/day/year]*

In Cash

The par value of *[insert Par Value in writing]* (R\$*[insert Par Value]*) shall be paid on order of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP.

Withdrawal of Irrevocable Letter of Credit No. *[insert Letter of Credit number]* issued by *[insert Issuer's name]*.

This document was signed by the undersigned on behalf of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP on *[insert date in the format month/day/year]*.

[signature]

Name: *[insert name of the person responsible for the issue]*

Title: *[insert title of the person responsible for the issue]*

To *[insert Bank name]*

[insert Bank's address]

Document III

Form of Proof of Withdrawal

[Form to be filled out by ANP – DO NOT FILL OUT.]

PROOF OF WITHDRAWAL

This refers to Irrevocable Letter of Credit No. *[insert Letter of Credit number]*, dated *[insert date in the format month/day/year]*, issued by *[insert Issuer's name]* to the benefit of National Agency of Petroleum, Natural Gas, and Biofuels – ANP.

The undersigned, duly authorized to sign this Proof on behalf of ANP, hereby certifies that (i) the Concession Agreement was terminated without compliance with the Minimum Exploration Program (PEM) or the Initial Work Program (PTI) (ii) the Minimum Exploration Program (PEM) or the Initial Work Program (PTI) was not complied with by the Concessionaire(s) as of *[insert date in the format month/day/year]*.⁸

Payment of the Par Value adjusted in Reais (BRL) set forth in Letter of Credit No. *[insert Letter of Credit number]* must be made by the ISSUER to the following account:

[ANP shall provide for the payment procedures.]

This proof was signed by the undersigned on behalf of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP on *[insert date in the format month/day/year]*.

[signature]

Name: *[insert name of the person responsible for the issue]*

Title: *[insert title of the person responsible for the issue]*

⁸Enter the last day of the Exploration or Rehabilitation Phase for which the Letter of Credit was issued.

Document IV

Form of Proof of Completion

[Form to be filled out by ANP – DO NOT FILL OUT.]

PROOF OF COMPLETION

In reference to Irrevocable Letter of Credit No. *[insert Letter of Credit number]*, dated *[insert date in the format month/day/year]*, issued by *[insert Issuer's name]* to the benefit of National Agency of Petroleum, Natural Gas, and Biofuels - ANP.

The undersigned, duly authorized to sign this Proof on behalf of ANP, hereby certifies that:

- (i) The amount allocable to the Letter of Credit for full compliance with the Minimum Exploration Program (PEM) or the Initial Work Program (PTI) was paid by the Concessionaire(s) or the Letter of Credit was duly replaced with another instrument of guarantee accepted by ANP; and
- (ii) The Letter of Credit expires on the date of this proof.

This proof was signed by the undersigned on behalf of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP on *[insert date in the format month/day/year]*.

[signature]

Name: *[insert name of the person responsible for the issue]*

Title: *[insert title of the person responsible for the issue]*

**ANNEX XXIV – FORM OF LETTER OF PERFORMANCE BOND FOR
COMPLIANCE WITH THE MINIMUM EXPLORATION PROGRAM (PEM) OR
THE INITIAL WORK PROGRAM (PTI)**

POLICY No. *[insert the policy number]*

The INSURANCE COMPANY *[insert insurance company's corporate name]*, *[insert CNPJ enrollment number]*, with its principal place of business at *[insert insurance company's principal place of business address]* through this Bid Bond policy, secures to the INSURED, NATIONAL AGENCY OF PETROLEUM, NATURAL GAS, AND BIOFUELS – ANP, enrolled in the CNPJ under No. 02.313.673/0002-08, with its principal place of business at Avenida Rio Branco, 65 – 12th floor – Rio de Janeiro, RJ, performance of the obligations of the POLICYHOLDER, *[insert the corporate name of the Concessionaire]*, *[insert CNPJ enrollment number]*, undertaken through CONCESSION AGREEMENT FOR EXPLORATION OR REHABILITATION AND PRODUCTION OF OIL AND GAS No. *[insert proceeding number]*/*[insert year]* (the “CONCESSION AGREEMENT”), entered into on *[insert month]* *[insert day]*, *[insert year]*, as defined in the subject matter of this policy, regarding Block/Area/Field *[insert the name of the Block/Area/Field subject matter of the Concession Agreement]*, signed by and between ANP and *[insert name(s) of the concessionaire(s)]*, related to the TENDER PROTOCOL FOR THE OPEN ACREAGE CONCESSION MODALITY FOR AWARD OF CONCESSION AGREEMENTS FOR EXPLORATION OR REHABILITATION AND PRODUCTION OF OIL AND GAS subject matter of this Policy, in the amount of *[insert Par Value in writing]* Reais (R\$*[insert Par Value]*), as provided for in the sections and general conditions:

DESCRIPTION OF THE BOND

(Type, amount, and effectiveness set forth in the CONCESSION AGREEMENT)

Type ⁹	Amount Insured ¹⁰	Effectiveness	
		Beginning ¹¹	End ¹²
Performer	R\$[insert Par Value]	[insert date in the format month/day/year]	[insert date in the format month/day/year]

OBJECT OF THE BOND

Guarantee of indemnification, in the amount set by the policy, considering the reductions in the secured amount, for default of the POLICYHOLDER regarding its obligations to fully comply, during the Exploration Phase or the Rehabilitation Phase, with the Minimum Exploration Program (PEM) or the Initial Work Program (PTI), as defined in ANNEX II – Minimum Exploration Program or Initial Work Program to the CONCESSION AGREEMENT, and, for that, it shall disburse the amounts required, pursuant to the provisions in the CONCESSION AGREEMENT No. [insert proceeding number]/[insert year].

The amount secured by this policy is [insert Par Value in writing] Reais (R\$[insert Par Value])

This policy's premium is [insert Par Value in writing] Reais (R\$[insert Par Value])

The following Documents ratified herein are an integral and inseparable part of the policy:

Document I – General, Special, and Specific Conditions.

Document II – Form of Proof of Reduction.

Document III – Form of Default Notice and Indemnification Claim

⁹ Do not change this field. The type "Performer" shall be chosen based on the criteria for classification of the performance bonds defined by Susep.

¹⁰ Insert the par value of the Policy.

¹¹ Insert the date of the first day of the month of execution of the Concession Agreement pursuant to the cycle's schedule.

¹² For the Exploration Phase, insert the date regarding the one hundred and eighty (180)-day period after the last day thereof, pursuant to Section 2 of the specific conditions.

Document IV – Form of Proof of Completion.

Tender Protocol of the Open Acreage Concession Modality for Exploration or Rehabilitation and Production of Oil and Gas.

Concession Agreement for Exploration or Rehabilitation and Production of Oil and Gas No. *[insert proceeding number]*/*[insert year]*.

This policy is issued pursuant to the Conditions of Susep Circular Letter No. 477/2013.

[insert the place (city) of execution], *[insert the month]* *[insert the day]*, *[insert the year]*.

(SIGNATURE)

([insert the insurance company's corporate name])

Document I

GENERAL, SPECIAL, AND SPECIFIC CONDITIONS

This policy is governed by the General Conditions and the Special Conditions included in Susep Circular Letter No. 477/2013 and the Specific Conditions determined by the INSURED, NATIONAL AGENCY OF PETROLEUM, NATURAL GAS, AND BIOFUELS – ANP. The latter, for being more specific, prevail over the first two in case of conflict.

Susep Circular Letter No. 477 of September 30, 2013.

GENERAL CONDITIONS

1. Subject matter:

1.1. This insurance contract secures full performance of the obligations undertaken by the POLICYHOLDER to the INSURED, pursuant to the terms of the policy, up to the amount of the guarantee established herein and pursuant to the additional type(s) and/or coverage(s) expressly taken out by virtue of the participation in a bidding process and in a master agreement related to works, services, including advertising, purchases, concessions, and permits within the scope of the Branches of the Federal Government, the States, the Federal District, and the Cities, or, also, the obligations undertaken due to:

I – administrative proceedings;

II – legal proceedings, including tax executions;

III – tax credit administrative installments , whether or not entered in federal overdue tax liability;

IV – administrative regulations.

1.2. The amounts payable to the INSURED, such as penalties and indemnifications, arising from failure by the POLICYHOLDER to perform the obligations undertaken thereby, provided for in specific laws and regulations, are also secured by this insurance.

2. Definitions:

The following definitions apply to this insurance:

2.1. Policy: document, signed by the INSURANCE COMPANY, that formally represents the Performance Bond.

2.2. General Conditions: set of sections, common to all types and/or coverages of an insurance plan, establishing the obligations and rights of the parties hereto.

2.3. Special Conditions: set of specific provisions related to each type and/or coverage of an insurance plan that change the provisions established in the General Conditions.

2.4. Specific Conditions: set of sections that somehow change the General Conditions and/or the Special Conditions, according to each INSURED.

2.5. Master Agreement: any and all arrangement between Public (insured) and private (policyholders) bodies or entities, in which there is a mutual agreement for establishment of a bond and stipulation of reciprocal obligations, regardless of the name used.

2.6. Endorsement: formal instrument, signed by the INSURANCE COMPANY, introducing modifications to the Performance Bond policy, upon request and express consent of the parties.

2.7. Indemnification: payment of the losses and/or penalties resulting from failure to perform the obligations covered by the insurance.

2.8. Maximum Guarantee Limit: maximum amount for which the INSURANCE COMPANY shall be responsible to the INSURED as indemnification payment.

2.9. Premium: amount payable by the POLICYHOLDER to the INSURANCE COMPANY for the insurance coverage and that shall be included in the policy or endorsement.

2.10. Loss Adjustment Process: procedure through which the INSURANCE COMPANY will evidence or not the origin of the claim, as well as calculation of the losses covered by the policy.

2.11. Insurance Proposal: formal request for issuance of the insurance policy, signed pursuant to the prevailing laws and regulations.

2.12. Final Adjustment Report: document issued by the INSURANCE COMPANY in which it declares the position on the claim, as well as the potential amounts to be indemnified.

2.13. Insured: the Public Administration or Granting Authority.

2.14. Insurance Company: the insurance company, pursuant to the policy, securing performance of the obligations undertaken by the POLICYHOLDER.

2.15. Performance Bond: insurance that secures full performance of the obligations undertaken by the POLICYHOLDER to the INSURED, pursuant to the terms of the policy.

2.16. Loss: failure by the POLICYHOLDER to perform its obligations covered by the insurance.

2.17. Policyholder: obligor of the obligations undertaken thereby to the INSURED.

3. Acceptance:

3.1. The insurance contract may only be taken out/amended upon a proposal signed by the proponent, its representative, or a qualified insurance broker. The written proposal shall include the essential elements for analysis and acceptance of the risk.

3.2. The INSURANCE COMPANY shall mandatorily provide the proponent with a protocol identifying the proposal received thereby, indicating the date and time of receipt.

3.3. The INSURANCE COMPANY shall have fifteen (15) days of the date of its receipt to accept or reject the proposal, whether for new insurances or renewals, as well as for changes entailing change in the risk.

3.3.1. If the insurance proponent is an individual, additional documents for analysis and acceptance of the risk or the proposed change may be requested only once, during the term provided for in item 3.3.

3.3.2. If the proponent is a legal entity, additional documents may be requested more than once, during the term provided for in item 3.3., as long as the INSURANCE COMPANY indicates the grounds for the request for new elements for analysis of the proposal or risk assessment.

3.3.3. In case of request for additional documents for analysis and acceptance of the risk or a proposed change, the fifteen (15)-day period provided for in item 3.3. shall be suspended, being resumed as of the date on which the documents are delivered.

3.4. In case of non-acceptance of the proposal, the INSURANCE COMPANY shall inform the fact, in writing, to the proponent, specifying the reasons for the refusal.

3.5. The lack of reply, in writing, by the INSURANCE COMPANY within the abovementioned term shall characterize the implied acceptance of the insurance.

3.6. If the acceptance of the proposal depends on taking out or change of an optional reinsurance, the term mentioned in item 3.3 shall be suspended until the reinsurer formally

replies, and the insurance company shall inform, in writing, such event to the proponent, emphasizing the consequent inexistence of coverage while the suspension lasts.

3.7. The policy or endorsement shall be issued within fifteen (15) days of the date of acceptance of the proposal.

4. Secured Amount:

4.1. The amount secured under this policy is the maximum nominal amount secured thereby.

4.2. In case of changes previously established in the master agreement or in the document supporting the acceptance of the risk by the INSURANCE COMPANY, the amount of the guarantee shall follow such changes, and the INSURANCE COMPANY shall issue the relevant endorsement.

4.3. For subsequent changes in the master agreement or the document supporting the acceptance of the risk by the insurance company, in view of which a change in the contractual amount is required, the amount of the guarantee may follow such changes, as long as requested to and accepted by the insurance company through issuance of the endorsement.

5. Insurance Premium:

5.1. The POLICYHOLDER is responsible for paying the premium to the INSURANCE COMPANY throughout the effectiveness of the policy.

5.2. It is hereby understood and agreed that the insurance shall remain in effect even when the POLICYHOLDER has not paid the premium on the agreed dates.

5.2.1. Any installment of the premium payable not paid by the POLICYHOLDER on the date agreed may entitle the INSURANCE COMPANY to enforce the counter-guarantee agreement.

5.3. In case of payment of the premium in installments, no additional amount may be charged as administrative installment cost, and it must be guaranteed to the policyholder, when there are interest-bearing installments, the possibility of paying any of the installments in advance, with the consequent proportional reduction in the interest rates agreed.

5.4. If the deadline to pay the premium in cash or any one of its installments falls on a day on which the banks are closed, the payment may be made on the first business day on which the banks are open.

5.5. The INSURANCE COMPANY shall forward the invoice directly to the POLICYHOLDER or its representative at least five (5) business days before the respective due date.

6. Effectiveness:

6.1. For the types of Performance Bond in which the policy is bound to a master agreement, the effectiveness of the policy shall be equivalent to the term established in the master agreement, pursuant to the details provided for in the Special Conditions of each type taken out.

6.2. For other types, the effectiveness of the policy shall be equivalent to the term informed therein, pursuant to the provisions set forth in the Special Conditions of the relevant type.

6.3. In case of changes previously established in the master agreement or in the document supporting the acceptance of the risk by the INSURANCE COMPANY, the effectiveness of the policy shall follow such changes, and the INSURANCE COMPANY shall issue the relevant endorsement.

6.4. For subsequent changes in the master agreement or the document supporting the acceptance of the risk by the INSURANCE COMPANY, in view of which a change in the effectiveness of the policy is required, the effectiveness of the policy may follow such changes, as long as requested to and accepted by the INSURANCE COMPANY through issuance of the endorsement.

7. Expectation, Claim, and Establishment of the Loss:

7.1. The Expectation, Claim, and Establishment of the Loss shall be specified for each type in the Special Conditions, when applicable.

7.2. The INSURANCE COMPANY shall describe, in the Special Conditions, the documents that shall be submitted for effecting the Claim.

7.2.1. Based on a justified and reasonable doubt, the INSURANCE COMPANY may request documents and/or supplemental information.

7.3. The Claim supported by this policy may be made during the period of prescription, pursuant to Section 17 of these General Conditions;

7.4. If the INSURANCE COMPANY decides not to establish the loss, it shall formally inform the INSURED, in writing, on its denial of indemnification, also presenting the detailed reasons supporting its decision.

8. Indemnification:

8.1. Upon establishment of the loss, the INSURANCE COMPANY shall perform the obligation described in the policy, up to the maximum limit of the guarantee thereof, pursuant to one of the options below and as agreed between the parties:

I – by complying, through third parties, with the subject matter of the master agreement, as to continue it, under its full responsibility; and/or

II – by indemnifying, upon payment in cash, the losses and/or penalties caused by default of the POLICYHOLDER covered by the policy.

8.2. Term for performing the obligation:

8.2.1. The indemnification shall be paid or the subject matter of the master agreement shall be performed within no more than thirty (30) days of the date of receipt of the last document requested during the loss adjustment process.

8.2.2. In the event of request for documents referred to in item 7.2.1., the thirty (30)-day period shall be suspended, being resumed as of the business day subsequent to that on which the requirements were met.

8.2.3. In case a court decision or arbitration award suspends the effects of the claim, the thirty (30)-day period shall be suspended, being resumed as of the first business day after revocation of the decision.

8.3. In case the policy is bound to a master agreement, all POLICYHOLDER's credit balances in the master agreement shall be used to repay the loss and/or penalty subject matter of the claim, without prejudice to payment of the indemnification within the due term.

8.3.1. If payment of the indemnification has already been made upon the end of the calculation of the POLICYHOLDER's credit balances in the master agreement, the INSURED undertakes to return to the INSURANCE COMPANY any excess amount already paid thereto.

9. Amount Adjustment:

9.1. Any failure to pay the pecuniary obligations of the INSURANCE COMPANY, including the indemnification pursuant to Section 8 of these General Conditions, within the term for payment of the respective obligation, shall entail:

- a) inflation adjustment, as of the date of enforceability of the obligation, being, in case of indemnification, the date of establishment of the claim; and
- b) application of interest in arrears calculated "pro rata temporis", as of the first day following the end of the term established.

9.2. The inflation adjustment index shall be the Extended National Consumer Price Index published by the Brazilian Institute of Geography and Statistics (IPCA/IBGE) or the index replacing it, being calculated by reference to the positive variation ascertained between the last index published before the date of the payment obligation and that published immediately before the date of its actual payment.

9.3. The interest in arrears, as of the first day following the end of the term established for payment of the obligation, shall be equivalent to the rate in effect for delayed payment of taxes due to the National Treasury.

9.4. Payment of amounts related to the inflation adjustment and interest in arrears shall be made regardless of any judicial or extrajudicial order, in a lump sum, together with other amounts due under the agreement.

10. Subrogation:

10.1. After payment of the indemnification or enforcement of the obligations defaulted by the POLICYHOLDER, the INSURANCE COMPANY shall subrogate itself to the INSURED's rights and privileges against the POLICYHOLDER or against third parties whose acts or facts have caused the loss.

10.2. Any act of the INSURED diminishing or extinguishing, to the prejudice of the INSURANCE COMPANY, the rights referred to in this item is ineffective.

11. Loss of Rights:

The INSURED shall lose the right to indemnification upon occurrence of one or more of the following events:

I – Acts of God or force majeure, under the Brazilian Civil Code;

II – Failure to perform the obligations of the POLICYHOLDER as a result of acts or facts taken by the INSURED;

III – Change in the contractual obligations guaranteed by this policy, which have been agreed between the INSURED and the POLICYHOLDER, without the prior consent of the INSURANCE COMPANY;

IV – Willful illegal acts or gross negligence comparable to the willful misconduct of the INSURED, the beneficiary, or the representative of any of them;

V – The INSURED fails to fully perform any obligations provided for in the insurance contract;

VI – If the INSURED or its legal representative makes inaccurate declarations or omits, in bad faith, circumstances known thereby that worsen the risk of default of the POLICYHOLDER or that may influence acceptance of the proposal;

VII – If the INSURED intentionally aggravates the risk;

12. Concurrence of Guarantees:

In case there are two or more different types of guarantee, each covering the subject matter of this insurance, to the benefit of the same INSURED or beneficiary, the INSURANCE COMPANY shall be held liable for the common loss, proportionally to the risk undertaken, with the other participants.

13. Concurrence of Policies:

The use of more than one Performance Bond in the same type to cover the subject matter of this contract is prohibited, except in case of additional policies.

14. Termination of the Guarantee:

14.1. The guarantee expressed by this insurance shall be extinguished upon occurrence of the earlier of one of the following events, without prejudice to the term for claim provided for in item 7.3 of these General Conditions:

I – when the subject matter of the master agreement secured by the policy is finally performed, upon an instrument or declaration signed by the INSURED or return of the policy;

II – when the INSURED and the INSURANCE COMPANY so agree;

III – when the indemnification payment to the INSURED reaches the maximum guarantee limit of the policy;

IV – when the master agreement is extinguished, for the types in which the policy is bound to a master agreement, or when the obligation secured is extinguished, for the other cases; or

V – upon the end of the effectiveness provided for in the policy, unless established otherwise in the Special Conditions.

14.2. When the guarantee of the policy regards a subject matter provided for in an agreement, this guarantee shall only be released or refunded upon execution of the agreement, pursuant to the provisions in paragraph 4 of article 56 of Law No. 8,666/1993, and its extinction shall be evidenced, in addition to the events provided for in item 14.1., by receipt of the subject matter of the agreement pursuant to art. 73 of Law No. 8,666/93.

15. Contract Termination:

15.1. In case of full or partial termination of the contract, at any time, by initiative of the INSURED or the INSURANCE COMPANY and by common agreement, the following provisions shall be observed:

15.1.1. In case of termination at the request of the INSURANCE COMPANY, it shall withhold from the premium received, in addition to the fees, the amount proportional to the time lapsed;

15.1.2. In case of termination at the request of the INSURED, the INSURANCE COMPANY shall withhold, in addition to the fees, no more than the premium calculated according to the short-term table below:

Ratio to be applied to the original effectiveness to obtain the term in days	% of the	Ratio to be applied to the original effectiveness to obtain the term in days	% of the Premium
---	-----------------	---	-------------------------

	Premiu m		
15/365	13	195/365	73
30/365	20	210/365	75
45/365	27	225/365	78
60/365	30	240/365	80
75/365	37	255/365	83
90/365	40	270/365	85
105/365	46	285/365	88
120/365	50	300/365	90
135/365	56	315/365	93
150/365	60	330/365	95
165/365	66	345/365	98
180/365	70	365/365	100

15.1.2.1. For terms not provided for in the table included in sub-item 15.1.2., a percentage corresponding to the immediately shorter term shall be used.

16. Disputes:

16.1. Disputes resulting from application of these Contractual Conditions may be resolved:

I – through arbitration; or

II – by legal injunction.

16.2. In case of arbitration, the policy shall include an arbitration clause, which shall be optionally observed by the INSURED upon its express agreement.

16.2.1. By agreeing with application of this section, the INSURED undertakes to settle all its litigations with the INSURANCE COMPANY through an Arbitration Court, which decisions have the same effect as the decisions rendered by the Judiciary Branch.

16.2.2. The arbitration clause is governed by Law No. 9,307 of September 23, 1996.

17. Prescription:

The periods of prescription are those established by law.

18. Jurisdiction:

The judicial issues between the INSURANCE COMPANY and the INSURED shall be filed in the jurisdiction of the latter's domicile.

19. Final Provisions

19.1. Acceptance of the insurance shall be subject to the analysis of the risk.

19.2. The policies and endorsements shall become effective and end at midnight on the dates respectively indicated as such.

19.3. Registration of this plan with Susep does not imply an incentive or recommendation of the Independent Agency for its commercialization.

19.4. After seven business days of issuance of this document, one can verify if the policy or endorsement was properly registered on Susep's website - www.susep.gov.br.

19.5. The registration status of the insurance broker may be verified on the website www.susep.gov.br, through the number of his/her registration with Susep, full name, and CNPJ or CPF.

19.6. This insurance is taken out on a first absolute risk basis.

19.7. The entire national territory is deemed the geographic scope of the types taken out, except as otherwise provided for in the Special and/or Specific Conditions of the policy.

19.8. Any translation fees regarding reimbursement of expenses abroad shall be fully paid by the INSURANCE COMPANY.

SPECIAL CONDITIONS

1. Subject matter:

1.1. This insurance contract secures indemnification, up to the amount set by the policy, for the losses arising from default of the obligations undertaken by the POLICYHOLDER in the master agreement for construction, supply, or provision of services.

1.2. The amounts of the penalties and indemnifications due to the Public Administration are also secured by the insurance contract, pursuant to the provisions in Law No. 8,666/93.

1.3. The Additional Coverage for Labor and Social-Security Claims may also be taken out, with an independent specific budget, as described in Chapter III of this annex.

2. Definitions:

In addition to the definitions included in art. 6 of Law No. 8,666/93 and art. 2 of Law No. 8,987/95, the following is defined for purpose of this type:

I – Loss: an evidenced monetary loss, exceeding the original amounts expected for execution of the subject matter of the master agreement, caused by default of the policyholder, excluding any loss arising from other insurance line, such as civil liability and loss of profits.

3. Effectiveness:

3.1. The effectiveness of the policy shall be established pursuant to the following rules:

I – by matching the effectiveness of the administrative agreement related to the works, services, and/or purchases;

II – for renewable periods, in case of public service concessions and permits.

3.2. The renewals, referred to in sub-item II of item 3.1., are not assumed, they must be preceded by a written notice sent by the INSURANCE COMPANY to the INSURED and the POLICYHOLDER up to ninety days before the end of the effectiveness of the policy in effect, stating its explicit interest in keeping the guarantee.

4. Expectation, Claim, and Establishment of the Loss:

4.1. Expectation: as soon as the administrative proceeding is filed to verify a possible default by the POLICYHOLDER, it shall be promptly notified by the INSURED, clearly indicating the defaulted items and providing it with a term for curing the default evidenced, sending a copy of the notice to the INSURANCE COMPANY, aiming at informing and registering the Expectation of Loss.

4.2. Claim: the Expectation of Loss will be converted into a Claim upon notice sent by the INSURED to the INSURANCE COMPANY, upon completion of the administrative proceedings evidencing the default of the POLICYHOLDER, date on which the Claim will be official.

4.2.1. For the Claim, submission of the following documents shall be required, without prejudice to the provisions in item 7.2.1 of the General Conditions:

- a) Copy of the master agreement or the document providing for the obligations undertaken by the POLICYHOLDER, their annexes and addenda, if any, duly signed by the INSURED and the POLICYHOLDER;
- b) Copy of the administrative proceeding evidencing the default of the POLICYHOLDER;
- c) Copy of minutes, notices, counter-notices, documents, and correspondence, including e-mails, exchanged between the INSURED and the POLICYHOLDER regarding the default of the POLICYHOLDER;
- d) Spreadsheet, report, and/or correspondence informing the existence of amounts withheld;
- e) Spreadsheet, report, and/or correspondence informing the amounts of the losses suffered.

4.2.2. Failure to notify the Claim shall render the Expectation of Loss ineffective.

4.3. Establishment: when the INSURANCE COMPANY has received all documents listed in item 4.2.1. and, after analysis, the default by the POLICYHOLDER of the obligations covered by the policy is evidenced, the loss shall be established, and the INSURANCE COMPANY shall issue the final adjustment report.

5. Ratification:

The provisions in the General Conditions that have not been changed by this Special Condition shall be fully ratified.

SPECIFIC CONDITIONS

1. It is hereby understood that this insurance secures full performance of the obligations included in the Minimum Exploration Program (PEM) or the Initial Work Program (PTI), undertaken in the Concession Agreements for Exploration or Rehabilitation and Production of Oil and Gas, pursuant to Law No. 9,478/97.
2. The guarantee of this policy is effective for the term established in the policy, expected to end one hundred and eighty (180) days after the end of the Exploration Phase or the Rehabilitation Phase object of this policy. This term may only be changed upon approval by ANP of the extension or suspension of the schedule of the Exploration Phase or the Rehabilitation Phase, provided for in the CONCESSION AGREEMENT.
3. Item 14.2 of the General Conditions applies to this policy, with the following supplements: full compliance with the PEM or PTI, ANNEX II – Minimum Exploration Program or Initial Work Program to the CONCESSION AGREEMENT, shall be evidenced by sending a notice in the form of Document IV (Form of Proof of Completion).
4. In addition to section 11, item VI, of the General Conditions, we understand that ANP is not responsible for keeping the INSURANCE COMPANY informed of any changes in the technical and economic conditions of the POLICYHOLDER. Such information should be obtained directly by the INSURANCE COMPANY from the POLICYHOLDER or by checking the administrative proceedings of ANP, as long as there is no legal secrecy or the POLICYHOLDER waives such secrecy.
5. In addition to Section 7.4 of the General Conditions, the administrative decisions made during the due administrative proceeding are deemed valid, except if suspended or cancelled by the competent administrative or legal bodies.
6. As a complement to Section 9 of the General Conditions, the amount guaranteed by this policy shall be adjusted by the IGP-DI pursuant to the CONCESSION AGREEMENT.

6.1 *[The par value of this bond shall be automatically adjusted by the IGP-DI variation from the date of issue to the date of the effective payment, in any of the execution events of this bond as provided for in the concession agreement].* **(SUGGESTED SECTION IN CASE THE CONCESSIONAIRE CHOOSES THE AUTOMATIC ADJUST SET FORTH IN SECTION SIX OF THE CONCESSION AGREEMENT OF EXPLORATION BLOCKS OR IN SECTION FOURTEEN OF THE CONCESSION AGREEMENT OF AREAS WITH MARGINAL ACCUMULATIONS).**

7. This policy does not insure risks arising from other types of Performance Bond and does not cover the obligations as to payment of taxes, labor obligations of any kind, including social security, third-party indemnifications, as well as risks covered by other insurance lines.

8. It is also represented that damages and/or losses caused directly or indirectly by terrorist act, regardless of its purpose, duly recognized as a threat to the public order by the competent authorities, are not covered.

9. The value of this policy may be reduced, as provided for in the CONCESSION AGREEMENT, upon, respectively: (i) issuance of the Indemnity Reduction Endorsement by the INSURANCE COMPANY, upon submission of the Proof of Reduction, in the form of Document II (Form of Proof of Reduction), signed by the INSURED, and (ii) approval by ANP of an Assignment of Rights and Obligations under the Concession Agreement.

10. It is hereby understood and agreed that any adjustments in the Amount Insured shall be requested in writing by the INSURED to the POLICYHOLDER, who shall arrange with the INSURANCE COMPANY the adjustments through the Bond Reinforcement Endorsement, with the relevant collection of premium.

11. The adjustments referred to in Section 10 may be requested by the INSURED upon cyclical changes, including, but not limited to, foreign exchange and inflation variations, changing the expected costs for compliance with the Minimum Exploration Program (PEM) or the Initial Work Program (PIT) covered by this policy.

12. By evidencing the default of the POLICYHOLDER, the INSURED shall inform the INSURANCE COMPANY upon a notice according to Document III (Form of Default Notice and Indemnification Claim), as well as a copy of the administrative proceeding with a decision determining execution of the guarantee.

12.1 The values of the activities of the Minimum Exploration Program (PEM) or the Initial Work Program (PTI) not developed are defined in ANNEX II to the Concession Agreement.

13. This insurance policy has a reinsurance coverage provided by *[insert reinsurer's corporate name]*, granted through Proceeding No. *[insert proceeding number]*.

14. In addition to Sections 16 and 18 of the General Conditions, arbitration does not apply, and the competent court is ANP's Main Office, i.e., the Federal Courts of Rio de Janeiro.

15. In addition to Section 4 of the Special Conditions, it is understood that, according to the rules and procedures of the Concession Agreement for Exploration and Production of Oil and Gas, default is characterized by the completion of the Exploration/Rehabilitation Phase without compliance with the Minimum Exploration Program/Initial Work Program. Granting of a new deadline for execution of the Minimum Exploration Program/Initial Work Program after the end of the Exploration/Rehabilitation Phase is not allowed.

16. In addition to Section 2 of the Special Conditions, due to the peculiar nature of the Concession for Exploration and Production of Oil Law No. 9,478/1997, the amount of the exploratory commitments undertaken by the POLICYHOLDER and not fulfilled by the end of the Exploration/Rehabilitation Phase is considered an Indemnifiable Loss. The additions established by adjustments of the Amount Insured made according to these Specific Conditions, as well as any penalties related to non-fulfillment of the exploratory or rehabilitation commitments, shall also be considered an indemnifiable Loss. The amount of losses indemnifiable by this policy is hereby established as the amount of Units of Work (UWs) undertaken and not performed of the Minimum Exploration Program (PEM) or the amount of the rehabilitation commitments undertaken in the Initial Work Program (PTI) and not performed by the end of the rehabilitation phase, according to ANP's rules and procedures for calculating the Amount Insured, plus any default penalties.

17. Notices

All notices, requirements, instructions, waivers, or other information to be provided related to this Performance Bond shall be written in Portuguese and delivered by a personal messenger or a courier, with proof of delivery, or mail, return receipt requested, to the following addresses:

(i) If to the INSURANCE COMPANY:

[insert insurance company's corporate name]

[insert the insurance company's address]

[insert Zip Code][insert city]

(ii) If to the INSURED:

Exploration Blocks

Exploration Superintendence – SEP

Avenida Rio Branco, 65 – 19th floor – Centro

Zip Code: 20090-004 – Rio de Janeiro, RJ – Brazil

Facsimile: (+55 21) 2112 8419

Areas with marginal accumulations

Superintendence of Development and Production – SDP

Avenida Rio Branco, 65 – 19th floor – Centro

Zip Code: 20090-004 – Rio de Janeiro, RJ – Brazil

Facsimile: (+55 21) 3797-6399

(iii) If to the POLICYHOLDER:

[enter the name of the policyholder]

[insert the policyholder's address]

[insert the Zip Code]

[insert the city]

[insert the place (city) of execution], [insert the month] [insert the day], [insert the year].

[insert insurance company's corporate name]

(SIGNATURE)

Name: *[insert the name of the person responsible for the issue]*

Title: *[insert the title of the person responsible for the issue]*

Document II

Form of Proof of Reduction

[Form to be filled out by ANP – DO NOT FILL OUT.]

This refers to Bid Bond policy No. *[insert policy number]*, dated *[insert date in the format month/day/year]*, issued by *[insert Issuer's name]*, enrolled with CNPJ under No. *[insert CNPJ enrollment number]*, and submitted by *[insert Concessionaire's name]* to the benefit of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP.

The undersigned, duly authorized to sign this proof on behalf of ANP, hereby certifies that:

(i) The amount in Reais (BRL) specified below in item (a) corresponds to the amount of the Par Value of the Bonds allocable to the works carried out by the Concessionaire(s) with respect to the Minimum Exploration Program (PRM) or the Initial Work Program (PTI) up to the date of this proof; and

(ii) The Par Value of the Policy shall be reduced to an amount equal to the Remaining Par Value, specified below in item (b), effective as of the date of this proof.

(a) Amount in Reais (BRL) allocable to works in the Minimum Exploration Program/Initial Work Program:

R\$*[insert Par Value]*

(b) Remaining Par Value:

R\$*[insert Remaining Par Value]*

This proof was signed by the undersigned on behalf of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP on *[insert date in the format month/day/year]*.

[signature]

Name: *[insert name]*

Title: *[insert title]*

Document III

Form of Default Notice and Indemnification Claim

[Form to be filled out by ANP – DO NOT FILL OUT.]

Policy No. *[insert policy number]*

Rio de Janeiro – RJ

Date of Withdrawal: (*[insert date of the payment order, in the format month/day/year]*)

In cash

The undersigned, duly authorized to sign this proof on behalf of ANP, hereby certifies that (i) the Concession Agreement was terminated without compliance with the Minimum Exploration Program or the Initial Work Program (ii) the Minimum Exploration Program or the Initial Work Program was not complied with by the Concessionaire(s) as of *[insert initial date of default of obligations, in the format month/day/year]*.

I request payment of the amount of *[insert Amount in writing]* Reais (R\$*[insert Amount]*) to the National Agency of Petroleum, Natural Gas, and Biofuels – ANP.

Withdrawal according to POLICY No. *[insert policy number]* issued by *[insert insurance company's name]*.

This document was signed by the undersigned on behalf of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP on *[insert date in the format month/day/year]*.

[signature]

Name: *[insert name]*

Title: *[insert title]*

To: *[insert insurance company's corporate name]*

[insert insurance company's address]

Form of Proof of Completion

[Form to be filled out by ANP – DO NOT FILL OUT.]

This refers to Bid Bond policy No. *[insert policy number]*, dated *[insert policy issue date in the format month/day/year]* issued by *[insert issuer's name]* to the benefit of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP.

The undersigned, duly authorized to sign this proof on behalf of ANP, hereby certifies that:

- I. The Minimum Exploration Program or the Initial Work Program was fully completed by the Concessionaire(s); and
- II. The Concessionaire(s)'s obligations secured by the abovementioned policy are performed.

This proof was signed by the undersigned on behalf of the National Agency of Petroleum, Natural Gas, and Biofuels – ANP on *[insert date in the format month/day/year]*.

NATIONAL AGENCY OF PETROLEUM, NATURAL GAS, AND BIOFUELS

[signature]

Name: *[insert name]*

Title: *[insert title]*

ANNEX XXV – FORM OF PLEDGE AGREEMENT FOR COMPLIANCE WITH THE MINIMUM EXPLORATION PROGRAM/INITIAL WORK PROGRAM

PART 1 – FORM OF OIL AND GAS (BOE) PLEDGE AGREEMENT AND OTHER COVENANTS

[insert bidder's corporate name], legally represented by its partner(s) *[inserir the name(s) of the partner(s)]*, enrolled in the National Register of Legal Entities of the Ministry of Finance (CNPJ/MF) under No. *[insert CNPJ enrollment number]*, located at *[insert full address]* (referred to as PLEDGOR or *[insert bidder's corporate name]*).

AND

NATIONAL AGENCY OF PETROLEUM, NATURAL GAS AND BIOFUELS – ANP, a special independent agency bound to the Ministry of Mines and Energy, created by Law No. 9,478 of August 6, 1997, headquartered at SGAN Quadra 603, Módulo I, 3rd floor, in the city of Brasília, Federal District (ANP), duly represented by its Director-General, Mr.(Mrs.) *[insert the name of the Director-General of ANP]*, according to art. 11, II, of its Internal Regulation approved by ANP Ordinance No. 69 of April 6, 2011, and within the scope of the competence set forth in art. 11, IV, of this same Internal Regulation (referred to as PLEDGEE or ANP).

Whereas:

- a) Under articles 36 to 42 of Law No. 9,478/97, *[insert bidder's corporate name]* participated in the bidding process for award of Concession Agreements for Exploration or Rehabilitation and Production of Oil and Gas, being approved as winner, according to a publication in the Federal Official Gazette of *[insert date in the format month/day/year]*, section *[insert number]*, page(s) *[insert page number(s)]*, for Blocks/Areas referred to as *[insert code(s)/name(s) for block(s)/Area(s)]*;
- b) Pursuant to article 26, main section, of Law No. 9,478/97, *[insert bidder's corporate name]* owns the Oil and Gas (BOE) extracted from the Field(s) listed in Annex I;
- c) *[insert bidder's corporate name]* acquired Concessionaire rights in the Open Acreage Concession Modality, the Minimum Exploration Program(s) or Initial Work Program(s) regarding the relevant(s) Concession Area(s) must be subject to guarantee, pursuant to Section 6.3 of the Open Acreage Concession Modality tender protocol, and the sum of commitments regarding the Minimum Exploration Program(s)/Initial Work Program(s) amounts to *[insert amount in writing]* Reais (R\$*[insert amount]*), to be secured, *[insert "in*

whole” or “in part”, as the case may be], in the amount of [insert amount in writing] Reais (R\$[insert amount]).

The **PARTIES** agree to enter into this Oil and Gas (BOE) Pledge Agreement, to be governed by the following clauses and conditions:

SECTION ONE – SUBJECT MATTER AND EFFECTIVENESS

1.1 The subject matter of this Agreement is the pledge of the Natural Gas extracted from the Field(s) listed in Annex I, already in effective production, to guarantee the Minimum Exploration Program(s) or Initial Work Program(s) established in the Concession Agreement(s) listed in Annex II to this Oil and Gas (BOE) Pledge Agreement, acquired at the Open Acreage Concession Modality on *[insert date in the format month/day/year]*.

1.2 This instrument shall become effective on its execution date and shall be effective until full compliance with the secured Minimum Exploration Program(s) or Initial Work Program(s).

SECTION TWO – DELIVERY OF THE PLEDGE

2.1 *[insert bidder’s corporate name]* hereby grants, as an exclusive first-lien pledge to ANP, in compliance with articles 1,431 to 1,435 and 1,447 to 1,450 of Law No. 10,406 of January 10, 2002 (Brazilian Civil Code), in order to *[insert “partially” or “fully”, as the case may be]* guarantee the obligations undertaken in the Concession Agreement(s) listed in Annex XX with respect to the Minimum Exploration Program(s) or Initial Work Program(s) contained therein, the Oil or Gas extracted from the field(s) at the Measurement Point, as defined in such Concession Agreement(s), of the Field(s) in the Production Phase listed in Annex I to this Oil and Gas (BOE) Pledge Agreement, in a quantity equivalent to *[insert “a part of” or “the total”, as the case may be]* amount committed in the Minimum Exploration Program(s) or Initial Work Program(s), as listed in Annex II to this Agreement.

2.2 *[insert bidder’s corporate name]* shall confirm, through Monthly Measurement Reports and the Statement of Calculation of the Special Share (DAPE), the Production of Oil and Gas of the fields mentioned in Annex I, as to always keep pledged the quantity required for full performance of the obligations undertaken in this Agreement regarding the Minimum Exploration Program(s) or Initial Work Program(s), in the amount defined in Section 9.1.

2.3 *[insert bidder's corporate name]* undertakes to monitor the Total Pledged Amount under Section 3.4 and to enhance the guarantee whenever there is a negative difference between the actual guarantee and the required guarantee higher than the one allowed by the applicable laws and regulations or whenever requested by ANP.

SECTION THREE – FORMULA FOR CALCULATION OF THE OIL AND GAS PLEDGE OF ANNEX I

3.1 The total amount of the Oil and Gas pledge for each year shall follow the calculation formula below:

$$\textbf{Total Pledged Amount} = \sum_c (\text{Production} \times \alpha_c \times \text{PBrent} \times \text{Exchange Rate} \times T)$$

Where:

\sum_c = sum of the amounts for each field offered as a guarantee

Production = Total daily production expected for the pledged field, considering the percentage of the concession or award owned by *[insert bidder's corporate name]*.

α_c = multiplier representing the quality differential between the Brent oil and the oil from the field offered as a guarantee, calculated by ANP for purposes of payment of the government shares, according to the calculation chart of the minimum oil prices for purposes of payment of the government shares.

PBrent = Reference Price, in USD/bbl, corresponding to the monthly average of the daily Brent oil prices quoted by PLATT'S CRUDE OIL MARKETWIRE in US Dollars per barrel for the month immediately preceding submission of the draft agreement to ANP.

Exchange Rate = Official Exchange Rate provided by the Central Bank of Brazil (BACEN/PTAX buying) at the end of the business day immediately preceding the day of submission of the draft agreement to ANP.

T = deadline, in days, for execution of the agreement, pursuant to Section 4.2;

3.2 ANP shall adopt a periodic review of the total amount of the Oil and Gas (BOE) pledge offered as a guarantee, as provided for in this Agreement and the Applicable Laws And Regulations.

3.3 For purposes of the periodic review referred to in Section 3.2, the following parameters shall be adopted:

Total Pledged Amount: total amount of the Oil and Gas (BOE) pledge for each year, as determined in Section 3.1. It must, upon execution of the agreement, be higher or equal to the Required Guarantee.

Required Guarantee: means the minimum amount that the concessionaire must pledge to ANP to ensure settlement of the obligations arising from the total amount [or the equivalent to ____%] of the PEM/PTI for the blocks/areas listed in Annex II hereto, which shall be adjusted by the IGP-DI pursuant to the Concession Agreement.

Actual Guarantee: the market value of the actual total production of the fields pledged as a guarantee of settlement of the obligations arising from the PEM/PTI, calculated using the following formula:

$$G_E = Q_E \times \alpha_c \times PBrent \times \text{Exchange Rate} \times T$$

Where:

Q_E = Average actual production of the field in the month preceding evaluation;

T = deadline, in days, for execution of the agreement, pursuant to Section 4.2;

α_c = multiplier representing the quality differential between the Brent oil and the oil from the field offered as a guarantee, calculated by ANP for purposes of payment of the government shares, according to the calculation chart of the minimum oil prices for purposes of payment of the government shares.

$PBrent$ = Reference Price, in USD/bbl., corresponding to the monthly average of the daily Brent oil prices quoted by PLATT'S CRUDE OIL MARKETWIRE in US Dollars per barrel for the month immediately preceding the periodic review; and

Exchange Rate = exchange rate in effect (BACEN/PTAX buying) on the business day preceding evaluation.

Call for margin: the negative difference between the actual guarantee and the required guarantee, i.e., the additional amount that the concessionaire must pledge to ANP in order to meet the margin required, if the change in the parameters adopted upon execution of the agreement causes the actual guarantee of the pledge, at the time of the periodic review, to be lower than the required guarantee.

3.4 Only fields which average Net Operating Revenue Adjusted to the Calculation Basis, per barrel, for the four quarters preceding the quarter of the date of execution of the

Agreement is positive shall be accepted for purposes of calculation of the Total Pledged Amount.

3.4.1 For purposes of this Section, the Net Operating Revenue Adjusted to the Calculation Basis shall be ascertained pursuant to the provisions and definitions set forth for filling of the Statement of Calculation of the Special Share (DAPE), pursuant to arts. 25 and 26 of Decree No. 2,705/98, ANP Ordinance No. 58/2001, and ANP Resolution No. 12/2014.

SECTION FOUR – TRADITION AND DEPOSIT

4.1 Pursuant to art. 1,431, Sole Paragraph, of the Brazilian Civil Code, the pledged Oil and Gas continues to be owned by the pledgor, *[insert bidder's corporate name]*, which should store and preserve it while the pledge or any other event provided for in article 1,436, item V, of the Brazilian Civil Code is not executed. *[insert bidder's corporate name]* is responsible for ensuring good maintenance of the Field(s) which Production of Oil and Gas is offered as a guarantee, aiming at maintaining the levels of Production presented for measurement of the subject matter hereof.

4.2 As depositary of fungible goods, *[insert bidder's corporate name]* undertakes to deliver, at ANP's request, goods in equal amount and quality as the goods pledged, as to ensure execution of the guarantee pledged, in the amount provided for in Section 9.1, within no more than one hundred and eighty (180) days of the default, pursuant to the Concession Agreement(s) described in Annex II to this Oil and Gas (BOE) Pledge Agreement.

SECTION FIVE – REGISTRATION

5.1 Immediately after execution of this Agreement, *[insert bidder's corporate name]* shall file it with the Real Estate Registry Office of the jurisdiction where the Fields listed in Annex I to this Oil and Gas (BOE) Pledge Agreement are located, pursuant to article 1,448 of the Brazilian Civil Code, registering it, if necessary, with the Commercial Registry of *[insert state of the Federation]*, and *[insert bidder's corporate name]* shall be in charge of all procedures and costs.

SECTION SIX – REPRESENTATIONS AND WARRANTIES

6.1 *[insert bidder's corporate name]* represents and warrants to the PLEDGEE that:

- a) it has full power, authority, and capacity to execute this Agreement and perform the obligations undertaken herein, having obtained authorization of its *[insert "partners" or "shareholders", as the case may be]* to do so;
- b) this Agreement is a legal, valid, and binding obligation of *[insert bidder's corporate name]* and may be enforced against it pursuant to its terms;
- c) the execution of this Agreement does not and shall not constitute a violation of its *[insert "Bylaws" or "Articles of Organization", as the case may be]* or any other corporate documents or other agreements or obligations undertaken with third parties;
- d) no other consents, approvals, or notices are required with respect to: (i) the creation and maintenance of the pledge on the assets subject thereto; (ii) the validity or enforceability of this Agreement;
- e) there is no litigation, investigation, or proceeding before any legal or arbitration court or administrative instances assuming material proportions on the assets and rights related to this Agreement;
- f) it is the lawful, unique, and exclusive owner of the assets pledged, pursuant to the Concession Agreement(s) or Production Sharing Agreement(s) listed in Annex I to this Oil and Gas (BOE) Pledge Agreement, which are free and clear of any and all liens or encumbrances;
- g) before execution hereof, it entered into the Oil and Gas (BOE) Sale Agreement with *[insert bidder's corporate name]*, where there are no penalties established for default in the delivery, to the purchaser, of the share of its Production required to fulfill the commitment provided for in this Agreement (APPLICABLE ONLY IF THE BIDDER HAS A PRIOR PRODUCTION SALE AGREEMENT WITH A THIRD PARTY);
- h) in case of execution of this pledge, ANP shall have preference in the appropriation of the fruits arising from the sale of the Oil and Gas pledged herein;
- i) it refrains from imposing any other encumbrance on the goods pledged herein, unless expressly and previously approved by ANP;
- j) it undertakes to maintain, during the effectiveness hereof, an ACTUAL GUARANTEE sufficient to cover its execution, within no more than one hundred and eighty (180) days, in case of default under the Concession Agreements described in Annex II to this Oil and Gas (BOE) Pledge Agreement;
- k) it undertakes, whenever there is a negative difference between the actual guarantee and the required guarantee higher than the one allowed in the applicable laws and

regulations or whenever required by ANP, to enhance the guarantee in the amount of the CALL FOR MARGIN, as provided for in Section 6.2; and

l) it undertakes, during the effectiveness of this Oil and Gas (BOE) Pledge Agreement, to forward to ANP the Statement of Calculation of the Special Share (DAPE) for the fields included in Annex I, pursuant to arts. 25 and 26 of Decree No. 2,705/1998, ANP Ordinance No. 58/2001, and ANP Resolution No. 12/2014.

6.2 ANP represents to the pledgor that:

a) The discretion authorized by ANP in no event entails its waiver of any right ensured by the laws and regulations nor constitutes cancellation of the pledge executed therein, pursuant to article 1,436 of the Brazilian Civil Code;

b) It may control the total amount of the ACTUAL GUARANTEE, pursuant to the Applicable Laws and Regulations, as provided for in Section Three.

c) A CALL FOR MARGIN may occur whenever the negative difference between the ACTUAL GUARANTEE and the REQUIRED GUARANTEE is higher, by the percentage defined in the Applicable Laws and Regulations, than the amount of the REQUIRED GUARANTEE included in Section 9.1.

d) The amount of the CALL FOR MARGIN shall correspond to the negative difference between the ACTUAL GUARANTEE and the REQUIRED GUARANTEE, calculated pursuant to Section Three and Section 6.2.c.

6.3 Mutual representations:

a) The PARTIES represent that this Agreement shall be signed before execution of the Concession Agreement(s) described in Annex II to this Oil and Gas (BOE) Pledge Agreement, which Minimum Exploration Program(s) or Initial Work Program(s) is(are) guaranteed herein, which shall occur by the date of *[insert date of execution of the Concession Agreement in the format month/day/year]*, as provided for in the Open Acreage Concession Modality tender protocol.

b) ANP agrees that *[insert bidder's corporate name]* continues to comply with its Oil and Gas (BOE) Sale Agreement with *[insert bidder's corporate name]* for selling part of its Production in the fields mentioned in Annex I, as long as pursuant to the other clauses and provisions of this Agreement (APPLICABLE ONLY IF THE BIDDER HAS A PRIOR PRODUCTION SALE AGREEMENT WITH A THIRD PARTY).

SECTION SEVEN – EXECUTION OF THE GUARANTEE

7.1 In case of default, under the Concession Agreements described in Annex II to this Oil and Gas Pledge Agreement, ANP may use the pledged guarantee to determine its disposal, in whole or in part, to cover the guaranteed amounts corresponding to the obligations undertaken by *[insert bidder's corporate name]* in the abovementioned Minimum Exploration Program(s) or Initial Work Program(s), and its withholding at any title is prohibited, given the express prohibition of article 1,428 of the Brazilian Civil Code.

7.1.1 The guaranteed amounts shall be adjusted by the IGP-DI, pursuant to the Concession Agreement, and by the SELIC rate upon default of the debtor.

7.2 For purposes of the provisions in subsection 6.1, *[insert bidder's corporate name]*, at its own account and risk, is hereby duly authorized to perform, on behalf of ANP, all acts required for sale and transfer to third parties of the Oil and Gas (BOE) pledged, in a quantity sufficient to cover the amount corresponding to the default, and to immediately transfer the corresponding amount to the account to be indicated by ANP, under penalty of judicial enforcement hereof.

7.2.1 ANP may alternatively request the company to deliver the Oil and Gas (BOE) pledged to third parties so they perform, on behalf of ANP, all acts required for sale and transfer of the Oil and Gas pledged, in a quantity sufficient to cover the amount corresponding to the default.

7.3 In addition to the rights listed in the laws and regulations related to the matter and the provisions set forth in Sections Three and Six of this agreement, ANP may require reinforcement of the guarantee if the assets deteriorate or perish without fault of *[insert bidder's corporate name]*; obtain compensation for any damages that may be incurred; have preference in receiving the amount assigned, in case of authorized Assignment of the rights.

7.4 If ANP has to resort to legal means to execute the guarantee provided and, consequently, receive its credit, *[insert bidder's corporate name]* shall be required to pay court costs and expenses and attorney's fees hereby set at twenty percent (20%) on the amount of execution, in addition to the principal, interest, and sanctions provided for in the agreement.

SECTION EIGHT – AMENDMENTS AND NOTICES

8.1 Any and all amendments to the provisions of this Oil and Gas (BOE) Pledge Agreement shall be valid only if made in writing and signed by the PARTIES.

8.2 Any notice, instruction, or other communication required under this Oil and Gas (BOE) Pledge Agreement shall be made in writing and conveyed, through any reliable means of receipt, to the addresses below:

If to *[insert bidder's corporate name]*:

[insert bidder's address]

Zip Code: *[insert Zip Code]* – *[insert city]*, *[insert Federation Unit acronym]*

Facsimile: (*[insert area code]*) *[insert phone number]*

If to ANP:

Exploration Blocks

Exploration Superintendence – SEP

Avenida Rio Branco, 65 – 19th floor – Centro

Zip Code: 20090-004 – Rio de Janeiro, RJ – Brazil

Facsimile: (+55 21) 2112-8419

Areas with marginal accumulations

Superintendence of Development and Production – SDP

Avenida Rio Branco, 65 – 19th floor – Centro

Zip Code: 20090-004 – Rio de Janeiro, RJ – Brazil

Facsimile: (+55 21) 3797-6399

SECTION NINE – TOTAL DEBT

9.1 The total REQUIRED GUARANTEE, on the date of execution of this Agreement, is *[insert amount in writing]* (R\$*[insert amount]*) and shall be adjusted by the IGP-DI pursuant to Concession Agreement. It may be reduced as the commitments related to the Minimum Exploration Program(s) or Initial Work Program(s) included in the Concession Agreement(s) of *[insert bidder's corporate name]*, listed in Annex II, are fulfilled, upon an addendum to this Oil and Gas (BOE) Pledge Agreement.

9.2 In case ANP verifies the default of *[insert bidder's corporate name]* in the Concession Agreements described in Annex II thereof, related to the Minimum Exploration Program(s) or Initial Work Program(s), the debt shall be deemed overdue and this Guarantee shall be executed pursuant to the provisions in Section Six hereof.

9.3 This pledge may be cancelled pursuant to the provisions in article 1,436 of the Brazilian Civil Code in effect.

SECTION TEN – JURISDICTION AND GOVERNING LAW

10.1 The PARTIES elect the Federal Court of the Judiciary Section of Rio de Janeiro to settle any and all dispute arising from this Oil and Gas (BOE) Pledge Agreement, to the exclusion of any other court, however privileged it may be.

10.2 This Oil and Gas (BOE) Pledge Agreement and its Annexes shall be governed and construed under the Brazilian laws.

10.3 All obligations included in this instrument shall be performed and observed by the PARTIES and their successors at any title.

IN WITNESS WHEREOF, the PARTIES sign this instrument in three (3) counterparts of equal form and content, together with the undersigned witnesses.

Rio de Janeiro, [insert month] [insert day], [insert year].

[signature]

[insert the name of the Legal Representative of the bidder]
[insert bidder's corporate name]

DÉCIO FABRICIO ODDONE DA COSTA
DIRECTOR-GENERAL OF ANP
NATIONAL AGENCY OF PETROLEUM, NATURAL GAS, AND BIOFUELS – ANP

Witnesses:

Name:
Identity number:
CPF:

Name:
Identity number:
CPF:

ANNEX I – Fields in Production Phase with Pledged Oil and Gas Production

Table 1* – Fields with Pledged Oil and Gas Production

Fields	Item	Year						
		20XX	20XX	20XX	20XX	20XX	20XX	20XX
Field X	Production (bbl/day)							
	Field Value (R\$)							
Field Y	Production (bbl/day)							
	Field Value (R\$)*							
Total Production of the Fields (bbl/day)								
Total Pledged Amount (R\$)**								

* Table 1 shall reflect the daily production expected for the period of the Minimum Exploration Program or Initial Work Program to be pledged.

** Total Pledged Amount = $\sum_c (\text{Production} \times \alpha_c \times \text{PBrent} \times \text{Exchange Rate} \times T)$, as defined in Section Three of this Agreement.

Table 2 – Total Pledged Amount Calculation Detail

Field	Parameters	Year						
		20XX	20XX	20XX	20XX	20XX	20XX	20XX
Field X	Production (bbl/day)							
	α_c							
	PBrent (USD/bbl)							
	Exchange Rate							
	T = Deadline	180	180	180	180	180	180	180
	Pledged Amount (R\$)							
Field Y	Production (bbl/day)							

	α_c						
	PBrent (USD/bbl)						
	Exchange Rate						
	T = Deadline	180	180	180	180	180	180
	Pledged Amount (R\$)						
Total Pledged Amount (R\$)*							

* Total Pledged Amount = \sum_c (Production x α_c x PBrent x Exchange Rate x T), as defined in Section Three of this Agreement.

Table 3 – How to Calculate the Multiplier α_c – calculation of the average for the last 12 months

Field	Month (Last 12 months)	Minimum Price BRL/bbl (A)	Brent (USD/bbl)	Exchange Rate USD	Brent Price BRL/bbl (B)	Multiplier (C) = (A)/(B)
Field 1	Month 1					
Field 1	Month 2					
Field 1	Month 3					
Field 1	Month 4					
Field 1	Month 5					
Field 1	Month 6					
Field 1	Month 7					
Field 1	Month 8					
Field 1	Month 9					
Field 1	Month 10					
Field 1	Month 11					
Field 1	Month 12					
Multiplier α_c = Average for the last 12 months						

Field	Month (Last 12 months)	Minimum Price BRL/bbl (A)	Brent (USD/bbl)	Exchange Rate USD	Brent Price BRL/bbl (B)	Multiplier (C) = (A)/(B)
Field 2	Month 1					
Field 2	Month 2					
Field 2	Month 3					
Field 2	Month 4					
Field 2	Month 5					
Field 2	Month 6					
Field 2	Mês7					
Field 2	Month 8					
Field 2	Month 9					
Field 2	Month 10					
Field 2	Month 11					
Field 2	Month 12					
Multiplier α_c = Average for the last 12 months						

Where:

Brent Price USD: Average Brent price in USD for the month immediately preceding delivery of the draft agreement to ANP, pursuant to the quotation published in Platts' Crude Oil Marketwire.

Exchange Rate: official buying exchange rate for the month immediately preceding submission of the draft agreement to ANP (BACEN/PTAX buying).

**ANNEX II – Concession Agreements of the Open Acreage Concession Modality
Guaranteed by this Instrument**

Table 1 – Concession Agreement(s) Awarded Hereby

Agreement(s) No.	Process(es) No.	Block(s)/Area	Guarantee (BRL/UW)	PEM / PTI (UWs)	Financial Guarantee (R\$)	Exploration/Rehabilitation Phase (years)

**ANNEX XXV – FORM OF PLEDGE AGREEMENT FOR COMPLIANCE WITH THE
MINIMUM EXPLORATION PROGRAM/INITIAL WORK PROGRAM**

**PART 2 – FORM OF NATURAL GAS PLEDGE AGREEMENT AND OTHER
COVENANTS**

[insert bidder's corporate name], legally represented by its partner(s) *[insert the name(s) of the partner(s)]*, enrolled in the CNPJ/MF under No. *[insert CNPJ enrollment number]*, located at *[insert full address]* (referred to as PLEDGOR or *[insert bidder's corporate name]*).

AND

NATIONAL AGENCY OF PETROLEUM, NATURAL GAS, AND BIOFUELS – ANP, a special independent agency bound to the Ministry of Mines and Energy, created by Law No. 9,478 of August 6, 1997, headquartered at SGAN Quadra 603, Módulo I, 3rd floor, in the city of Brasília, Federal District, with Main Office at Avenida Rio Branco, nº 65, 12th to 22nd floors, in the city of Rio de Janeiro, RJ, enrolled in the CNPJ/MF under No. 02.313.673/0002-08, duly represented by its Director-General, Mr. *[insert name of the Director-General of ANP]*, according to art. 11, II, of its Internal Regulation approved by ANP Ordinance No. 69 of April 6, 2011, and within the scope of the competence set forth in art. 11, IV, of the same Internal Regulation. (Referred to as PLEDGEE or ANP).

And, also, as intervening consenting parties (referred to as INTERVENING CONSENTING PARTIES):

[insert the corporate name(s) of the legal entity(ies)], legally represented pursuant to its Bylaws, enrolled in the CNPJ/MF under No. *[insert CNPJ enrollment number]*, located at *[insert full address]*; and (THE PLEDGE AGREEMENT SHALL BE ASSOCIATED WITH THE GAS LIKELY TO BE MONETIZED THROUGH PURCHASE AND SALE AGREEMENTS BETWEEN THE CONTRACTOR AND THIRD PARTIES)

Whereas:

a) Under articles 36 to 42 of Law No. 9,478/97, *[insert bidder's corporate name]* participated in the bidding process for award of Concession Agreements, being approved as winner, according to a publication in the Federal Official Gazette of *[insert date in the*

format month/day/year], section *[insert section number]*, page(s) *[insert page number(s)]*, for blocks/areas *[insert code(s)/name(s) for block(s)/area(s)]*;

b) Pursuant to article 26, main section, of Law No. 9,478/97, *[insert bidder's corporate name]* owns *[insert percentage in writing]* (xxxx%) of the concession or award of the Fields listed in Annex I, where the Natural Gas is extracted;

c) *[insert bidder's corporate name]* acquired Concessionaire rights in the Open Acreage Concession Modality, and the Minimum Exploration Program(s)/Initial Work Program(s) regarding the relevant Block(s)/Area(s) of the Agreement must be subject to guarantee, pursuant to section 7.2 of the Open Acreage Concession Modality tender protocol, and the sum of commitments regarding the Minimum Exploration Program(s) or Initial Work Program(s) amounts to *[insert amount in writing]* Reais (R\$*[insert amount]*), which are hereby secured *[insert "in whole" or "in part", as the case may be]*, in the amount of *[insert amount in writing]* Reais (R\$*[insert amount]*);

d) *[insert bidder's corporate name]* and the INTERVENING CONSENTING PARTY(IES) have effective purchase and sale agreements for the natural gas extracted from the Field(s) listed in Annex I, through which *[insert bidder's corporate name]* contracted gas supply for the INTERVENING CONSENTING PARTIES, which undertake to contract a minimum volume of gas;

e) *[insert bidder's corporate name]* wishes to pledge, for the benefit of ANP, the natural gas of the Field(s) listed in Annex I, aiming at guaranteeing the Minimum Exploration Program(s) or Initial Work Program(s) for the Area(s) of the Concession Agreement(s) listed in Annex II to this Natural Gas Pledge Agreement.

NOW, THEREFORE, the **PARTIES** agree to enter into this Natural Gas Pledge Agreement, to be governed by the following clauses and conditions:

SECTION ONE – SUBJECT MATTER AND EFFECTIVENESS

The subject matter of this Agreement is the pledge of the Natural Gas extracted from the Field(s) listed in Annex I, already in effective production, to guarantee the Minimum Exploration Program(s) established in the Concession Agreement(s) listed in Annex II to this Natural Gas Pledge Agreement, acquired as a result of the Open Acreage Concession Modality held on *[insert date in the format month/day/year]*.

This instrument shall become effective on its execution date and shall be effective until full compliance with the secured Minimum Exploration Programs or Initial Work Program(s).

SECTION TWO – DELIVERY OF THE PLEDGE

2.1 *[insert bidder's corporate name]* hereby grants, as an exclusive first-lien pledge to ANP, in compliance with articles 1,431 to 1,435 and 1,447 to 1,450 of Law No. 10,406 of January 10, 2002 (Brazilian Civil Code), in order to *[insert "partially" or "fully", as the case may be]* guarantee the obligations undertaken in the Concession Agreement(s) listed in Annex II with respect to the Minimum Exploration Program(s) or Initial Work Program(s) contained therein, the Gas extracted from the field(s) at the Measurement Point, as defined in such Concession Agreement(s), or sharing of production of the Field(s) in the Production Phase listed in Annex I to this Natural Gas Pledge Agreement, in a quantity equivalent to *[insert "a part of" or "the total", as the case may be]* amount committed in the Minimum Exploration Program(s) or Initial Work Program(s), as listed in Annex II to this Agreement.

2.2 *[insert bidder's corporate name]* shall confirm, through Monthly Measurement Reports and the Statement of Calculation of the Special Share (DAPE), the Production of Natural Gas of the fields mentioned in Annex I, as to always keep pledged the quantity required for full performance of the obligations undertaken in this Agreement regarding the Minimum Exploration Program(s) or Initial Work Program(s), in the amount defined in Section 9.1.

2.3 *[insert bidder's corporate name]* undertakes to monitor the Total Pledged Amount under section 3.3 and to enhance the guarantee whenever there is a negative difference between the actual guarantee and the required guarantee or whenever requested by ANP.

SECTION THREE – FORMULA FOR CALCULATION OF THE NATURAL GAS PLEDGE OF ANNEX I

3.1 The total amount of the Natural Gas pledge for each year shall follow the calculation formula below:

$$\text{Total Pledged Amount} = \sum_c (\text{Production} \times \text{PRGN} \times T)$$

Where:

Σ_c = sum of the amounts for each field offered as a guarantee

Production = Total daily production expected for the pledged field, considering the percentage of the concession or award owned by *[insert bidder's corporate name]*.

PRGN = Reference Price of the Natural Gas of the pledged field, in R\$/m³, disclosed by ANP in the month before evaluation.

T = deadline, in days, for execution of the agreement, pursuant to Section 4.2.

3.2 ANP shall adopt a periodic review of the total amount of the Natural Gas pledge offered as a guarantee, as provided for in this Agreement and the Applicable Laws And Regulations.

3.3 For purposes of the periodic review referred to in Section 3.2, the following parameters shall be adopted:

Total Pledged Amount: total amount of the natural gas pledge for each year, as determined in Section 3.1. It must, upon execution of the agreement, be equal to or higher than the Required Guarantee.

Required Guarantee: means the minimum amount that the Contractor must pledge to ANP to ensure settlement of the obligations arising from the total amount [or the equivalent to ____%] of the PEM for the block listed in Annex II hereto, which shall be adjusted by the IGP-DI pursuant to Concession Agreement.

Actual Guarantee: the market value of the actual total production of the fields pledged as a guarantee of settlement of the obligations arising from the PEM/PTI, calculated using the following formula:

$$G_E = Q_E \times T \times PRGN, \text{ where}$$

Q_E = Average actual production of the field in the month preceding evaluation;

T = deadline, in days, for execution of the agreement, pursuant to Section 4.2;

PRGN = Reference Price of the Natural Gas of the pledged field, in R\$/m³, disclosed by ANP in the month before evaluation.

Call for margin: the negative difference between the actual guarantee and the required guarantee, i.e., the additional amount that the contractor must pledge to ANP in order to meet the margin required, if the change in the parameters adopted upon execution of the Agreement causes the actual guarantee of the pledge, at the time of the periodic review, to be lower than the required guarantee.

3.4 Only fields which average Net Operating Revenue Adjusted to the Calculation Basis, per m³, for the four quarters preceding the quarter of the date of execution of the Agreement is positive shall be accepted for purposes of calculation of the Total Pledged Amount.

3.4.1 For purposes of this section, the Net Operating Revenue Adjusted to the Calculation Basis shall be ascertained pursuant to the provisions and definitions set forth for filling of the Statement of Calculation of the Special Share (DAPE), pursuant to arts. 25 and 26 of Decree No. 2,705/98, ANP Ordinance No. 58/2001, and ANP Resolution No. 12/2014.

3.5 The Natural Gas Pledge Agreement to be entered into by and between ANP and the contracted party shall be associated with gas likely to be monetized through Purchase and Sale Agreements between the contracted party and third parties, thus the production value shall take into account the daily volume guaranteed by the take-or-pay clauses of the purchase and sale agreements.

SECTION FOUR – TRADITION AND DEPOSIT

4.1 Pursuant to art. 1,431, Sole Paragraph, of the Brazilian Civil Code, the pledged Natural Gas continues to be owned by the pledgor, *[insert bidder's corporate name]*, which should store and preserve it while the pledge or any other event provided for in article 1,436, V, of the Brazilian Civil Code is not executed. *[insert bidder's corporate name]* is responsible for ensuring good maintenance of the Field(s) which Production of Natural Gas is offered as a guarantee, aiming at maintaining the levels of production presented for measurement of the subject matter hereof.

4.2 As depositary of fungible goods, *[insert bidder's corporate name]* undertakes to deliver, at the request of ANP, goods in equal amount and quality as the goods pledged, as to ensure execution of the guarantee pledged, as provided for in Section 9.1, within no more than one hundred and eighty (180) days of the default, pursuant to the Concession Agreements described in Annex II to this Natural Gas Pledge Agreement.

SECTION FIVE – REGISTRATION

5.1 Immediately after execution of this Agreement, *[insert bidder's corporate name]* shall file it with the Real Estate Registry Office of the jurisdiction where the Fields listed in Annex I to this Natural Gas Pledge Agreement are located, pursuant to article 1,448 of the Brazilian Civil Code, registering it, if necessary, with the Commercial Registry of *[insert State of the Federation]*, and *[insert bidder's corporate name]* shall be in charge of all procedures and costs.

SECTION SIX – REPRESENTATIONS AND WARRANTIES

6.1 *[insert bidder's corporate name]* represents and warrants to the pledgee that:

- a) it has full power, authority, and capacity to execute this Agreement and perform the obligations undertaken herein, having obtained authorization of its *[insert "partners" or "shareholders", as the case may be]* to do so;
- b) this Agreement is a legal, valid, and binding obligation of *[insert bidder's corporate name]* and may be enforced against it pursuant to its terms;
- c) the execution of this Agreement does not and shall not constitute a violation of its *[insert "Bylaws" or "Articles of Organization", as the case may be]* or any other corporate documents or other agreements or obligations undertaken with third parties;
- d) no other consents, approvals, or notices are required with respect to: (i) the creation and maintenance of the pledge on the assets subject thereto; (ii) the validity or enforceability of this Agreement;
- e) there is no litigation, investigation, or proceeding before any legal or arbitration court or administrative instances assuming material proportions on the assets and rights related to this Agreement;
- f) it is the lawful, unique, and exclusive owner of the assets pledged, pursuant to the Concession Agreement(s) or Production Sharing Agreement(s) listed in Annex I to this Natural Gas Pledge Agreement, which are free and clear of any and all liens or encumbrances;
- g) before execution hereof, it entered into the Natural Gas Purchase and Sale Agreement with the INTERVENING CONSENTING PARTIES, which are aware and agree with the commitment established in this Agreement;

- h) in case of execution of this pledge, ANP shall be entitled to receive the proceeds arising from the sale of the Natural Gas pledged herein;
- i) it refrains from imposing any other encumbrance on the goods pledged herein, unless expressly and previously approved by ANP.
- j) it undertakes to maintain, during the effectiveness hereof, an ACTUAL GUARANTEE sufficient to cover its execution, within no more than one hundred and eighty (180) days, in case of default under the Concession Agreements described in Annex II to this Natural Gas Pledge Agreement;
- k) it undertakes, whenever there is a negative difference between the actual guarantee and the required guarantee or whenever required by ANP, to reinforce the guarantee in the amount of the CALL FOR MARGIN, as provided for in Section 6.2; and
- l) it undertakes, during the effectiveness of this Natural Gas Pledge Agreement, to send to ANP the Statement of Calculation of the Special Share (DAPE) for the fields included in the Annex I, pursuant to arts. 25 and 26 of Decree No. 2,705/1998, ANP Ordinance No. 58/2001, and ANP Resolution No. 12/2014.

ANP represents to the PLEDGOR that:

- a) The discretion authorized by ANP in no event entails its waiver of any right ensured by the laws and regulations nor constitutes cancellation of the pledge executed therein, pursuant to article 1,436 of the Brazilian Civil Code;
- b) It may control the total amount of the ACTUAL GUARANTEE, pursuant to the Applicable Laws and Regulations, as provided for in Section Three.
- c) A CALL FOR MARGIN may occur whenever the negative difference between the ACTUAL GUARANTEE and the REQUIRED GUARANTEE is higher, by the percentage defined in the Applicable Laws and Regulations, than the amount of the REQUIRED GUARANTEE included in Section 9.1.
- d) The amount of the CALL FOR MARGIN shall correspond to the negative difference between the ACTUAL GUARANTEE and the REQUIRED GUARANTEE, calculated pursuant to Section Three and Section 6.2.c.

Mutual representations:

- a) The PARTIES represent that this Agreement shall be signed before execution of the Concession Agreement(s) described in Annex II to this Oil and Gas (BOE) Pledge

Agreement, which Minimum Exploration Program(s) or Initial Work Program(s) is(are) guaranteed herein, which shall occur by the date of *[insert date of execution of the Concession Agreement in the format month/day/year]*, as provided for in the Open Acreage Concession Modality tender protocol.

b) ANP agrees that *[insert bidder's corporate name]* continues to comply with its Natural Gas Purchase and Sale Agreement with the INTERVENING CONSENTING PARTIES for selling part of its Production in the fields mentioned in Annex I, as long as pursuant to the other clauses and provisions of this Agreement.

SECTION SEVEN – EXECUTION OF THE GUARANTEE

7.1 In case of default, under the Concession Agreements described in Annex II to this Natural Gas Pledge Agreement, ANP may use the pledged guarantee to determine its disposal, in whole or in part, to cover the guaranteed amounts corresponding to the obligations undertaken by *[insert bidder's corporate name]* in the abovementioned Minimum Exploration Program(s) or Initial Work Program(s), and its withholding at any title is prohibited, given the express prohibition of article 1,428 of the Brazilian Civil Code.

7.1.1 The guaranteed amounts shall be adjusted by the IGP-DI, pursuant to the Concession Agreement, and by the SELIC rate upon default of the debtor.

7.2 In case of execution of this Agreement, the INTERVENING CONSENTING PARTIES acknowledge that they shall pay directly to ANP the amount corresponding to the portion of the natural gas pledged, informed by correspondence of ANP, regardless of prior authorization of *[insert bidder's corporate name]*.

7.2.1. In this case, ANP shall formally notify the INTERVENING CONSENTING PARTIES requiring performance of the obligation arising from this Section, indicating the production volume to be considered and the number of the account to which the transfer shall be made in order to settle the obligation, with which the INTERVENING CONSENTING PARTIES expressly agree.

7.3 If, at the time of execution of this Agreement, the INTERVENING CONSENTING PARTIES have not or eventually do not purchase the minimum volume of natural gas agreed in the purchase and sale agreements for the natural gas extracted from the Field listed in Annex I, *[insert bidder's corporate name]* expressly and irrevocably consents that the INTERVENING CONSENTING PARTIES pay the amounts related to the minimum volume commitment provided for in the Agreement (take-or-pay clause) directly to ANP.

7.3.1 *[insert bidder's corporate name]* holds the INTERVENING CONSENTING PARTIES harmless from any penalty upon occurrence of the event provided for in section 7.3 above, which shall not be characterized as a default of the purchase and sale agreements for the natural gas extracted from the Field(s) listed in Annex I.

7.3.2. In this case, ANP shall formally notify the INTERVENING CONSENTING PARTIES requiring performance of the obligation in the take-or-pay clause of the purchase and sale agreements for the natural gas extracted from the Field listed in Annex I, evidencing the account and other necessary details for full payment of the obligations, with which the INTERVENING CONSENTING PARTIES expressly agree.

7.4 *[insert bidder's corporate name]* undertakes to notify ANP about any amendment to the purchase and sale agreements for the natural gas extracted from the Field listed in Annex I, hereby acknowledging, under penalty of termination of this Agreement, that any amendment to the take-or-pay clause of such agreements must be previously approved by ANP, upon prior written consent, with which the INTERVENING CONSENTING PARTIES expressly agree.

7.5 In addition to the rights listed in the laws and regulations related to the matter and the provisions set forth in Sections Three and Six of this agreement, ANP may require reinforcement of the guarantee if the assets deteriorate or perish without fault of *[insert bidder's corporate name]*; obtain compensation for any damages that may be incurred; have preference in receiving the amount assigned, in case of authorized Assignment of the rights.

7.6 If ANP has to resort to legal means to execute the guarantee provided and, consequently, receive its credit, *[insert bidder's corporate name]* shall be required to pay court costs and expenses and attorney's fees, hereby set at twenty percent (20%) on the amount of execution, in addition to the principal, interest, and sanctions provided for in the agreement.

SECTION EIGHT – AMENDMENTS AND NOTICES

8.1 Any and all amendment to the provisions of this Natural Gas Pledge Agreement shall be valid only if made in writing and signed by the PARTIES.

8.2 Any notice, instruction, or other communication required under this Natural Gas Pledge Agreement shall be made in writing and conveyed, through any reliable means of receipt, to the addresses below:

If to *[insert bidder's corporate name]*:

[insert bidder's address]

Zip Code: *[inserir Zip Code]* – *[insert city]*, *[insert Federation Unit acronym]*

Facsimile: (*[insert area code]*) *[insert phone number]*

If to ANP:

Exploration Blocks

Exploration Superintendence – SEP

Avenida Rio Branco, 65 – 19th floor – Centro

Zip Code: 20090-004 – Rio de Janeiro, RJ – Brazil

Facsimile: (+55 21) 2112 8419

Areas with marginal accumulations

Superintendence of Development and Production – SDP

Avenida Rio Branco, 65 – 19th floor – Centro

Zip Code: 20090-004 – Rio de Janeiro, RJ – Brazil

Facsimile: (+55 21) 3797-6399

If to the INTERVENING CONSENTING PARTIES:

[insert the legal entity's address]

Zip Code: *[inserir Zip Code]* – *[insert city]*, *[insert Federation Unit acronym]*

Facsimile: (*[insert area code]*) *[insert phone number]*

SECTION NINE – TOTAL DEBT

9.1 The total REQUIRED GUARANTEE, on the date of execution of this Agreement, is *[insert amount in writing]* Reais (R\$*[insert amount]*), and shall be adjusted by the IGP-DI

pursuant to Concession Agreement. It may be reduced as the commitments related to the Minimum Exploration Program(s) or Initial Work Program(s) included in the Concession Agreement(s) of *[insert bidder's corporate name]*, listed in Annex II, are fulfilled, upon an addendum to this Natural Gas Pledge Agreement.

9.2 In case ANP verifies the default by *[insert bidder's corporate name]* in the Concession Agreements described in Annex II thereof, related to the Minimum Exploration Program(s) or Initial Work Program(s), the debt shall be deemed overdue and this Guarantee shall be executed pursuant to the provisions in Section Seven hereof.

9.3 This pledge may be cancelled pursuant to the provisions in article 1,436 of the Brazilian Civil Code in effect.

SECTION TEN – JURISDICTION AND GOVERNING LAW

10.1 The PARTIES elect the Federal Court of the Judiciary Section of Rio de Janeiro to settle any and all dispute arising from this Natural Gas Pledge Agreement, to the exclusion of any other court, however privileged it may be.

10.2 This Natural Gas Pledge Agreement and its Annexes shall be governed and construed under the Brazilian laws.

10.3 All obligations included in this instrument shall be performed and observed by the PARTIES and their successors at any title.

IN WITNESS WHEREOF, the PARTIES sign this instrument in three (3) counterparts of equal form and content, together with the undersigned witnesses.

Rio de Janeiro, [insert month] [insert day], [insert year].

_____	<i>[signature]</i>
<i>[signature]</i>	_____
_____	<i>[insert the name of the Legal Representative of the INTERVENING CONSENTING PARTY]</i>
<i>[insert the name of the Legal Representative of the bidder]</i>	
<i>[insert bidder's corporate name]</i>	<i>[insert legal entity's name]</i>

DÉCIO FABRICIO ODDONE DA COSTA
DIRECTOR-GENERAL OF ANP
NATIONAL AGENCY OF PETROLEUM, NATURAL GAS, AND BIOFUELS – ANP

Witnesses:

_____	_____
Name:	Name:
Identity number:	Identity number:
CPF:	CPF:

ANNEX I – FIELDS IN THE PRODUCTION PHASE WITH PLEDGED OIL PRODUCTION

Table 1 – Fields with Pledged Natural Gas Production

Fields	Item	Year						
		20XX	20XX	20XX	20XX	20XX	20XX	20XX
Field X	Production (m ³ /day)							
	Field Value (R\$)							
Field Y	Production (m ³ /day)							
	Field Value (R\$)							
Total Production of the Fields (m ³ /day)								
Total Pledged Amount (R\$)*								

* Total Pledged Amount = \sum_c (Production x PRGN x T), as defined in Section Three of this Agreement.

Table 2 – Total Pledged Amount – Calculation Detail

Field	Parameters	Year						
		20XX	20XX	20XX	20XX	20XX	20XX	20XX
Field X	Average production (m ³ /day)							
	Reference Price of the Natural Gas (PRGN)/m ³							
	T = Deadline	180	180	180	180	180	180	180
	Pledged Amount (R\$)							
Field Y	Average production (m ³ /day)							
	Reference Price of the Natural Gas (PRGN)/m ³							
	T = Deadline	180	180	180	180	180	180	180
	Pledged Amount (R\$)							
Total Pledged Amount (R\$)*								

* Total Pledged Amount = \sum_c (Production x PRGN x T), as defined in Section Three of this Agreement.

ANNEX II – CONCESSION AGREEMENT(S) GUARANTEED BY THIS INSTRUMENT

Agreement(s) No.	Process(es) No.	Block(s)	PEM / PTI	Financial Guarantee (R\$)	Exploration/Rehabilitation Phase (years)

**ANNEX XXVI – DECLARATION OF THE CONCESSIONAIRE MEMBER OF A
CONSORTIUM ON THE FINANCIAL GUARANTEES OF THE MINIMUM EXPLORATION
PROGRAM OR THE INITIAL WORK PROGRAM**

The bidders *[insert bidders' corporate names]*, represented by their accredited representative(s), under the penalties provided for in the applicable laws and regulations, hereby declare to be fully aware (i) of the Open Acreage Concession Modality tender protocol and its annexes; (ii) of Section 15.4 of the Concession Agreement for Exploration and Production of Oil and Gas / Section 11.4 of the Concession Agreement of Areas with Marginal Accumulations for Rehabilitation and Production of Oil and Gas; and (iii) that the obligations of the Minimum Exploration Program/Initial Work Program are not fractional, and the consortium shall be responsible for reimbursement in case of default.

[signature]

Signed by: *[insert the name(s) of the Accredited Representative(s) and the Bidder]*

[signature]

Signed by: *[insert the name(s) of the Accredited Representative(s) and the Bidder]*

Place and date: *[insert place and date]*

ANNEX XXVII – FORM OF PERFORMANCE GUARANTEE

This Performance Guarantee refers to Concession Agreement No. *[insert Concession Agreement number]*, Block *[insert the code/acronym of the block or area]*, entered into by and between the National Agency of Petroleum, Natural Gas and Biofuels – ANP and *[insert concessionaire's corporate name]*, the GUARANTEED PARTY, a *[insert type of company]* organized under the laws of Brazil.

Regarding the obligations arising from or related to the Agreement, undertaken by the GUARANTEED PARTY or that may be imposed to it, *[insert guarantor's name]* GUARANTOR, a *[insert type of company]* organized under the laws of *[insert Guarantor's country of origin]*, a direct or indirect parent company or the headquarters of the GUARANTEED PARTY, fully agrees with the provisions listed below:

1. The capitalized terms not defined herein shall have their meanings provided in the Agreement.
2. The GUARANTOR represents to ANP that: (i) it is organized under the laws of its jurisdiction; (ii) it has the necessary corporate authorizations and all corporate and legal representation powers to sign, submit, and execute this Guarantee; (iii) this Guarantee represents the legal obligations validly undertaken by the GUARANTOR and is enforceable against it, according to its terms; (iv) governmental approvals are not necessary regarding execution, submission, and enforcement of this guarantee, except for those already obtained and currently in effect; and (v) the execution, submission, and enforcement of this Guarantee by the GUARANTOR shall not violate any provision of an existing law or regulation to which it is subject, as well as any provision of the GUARANTOR's corporate documents or any agreements or contracts to which it is a party.
3. The GUARANTOR hereby ensures to ANP, unconditionally and as the primary obligor, the due and timely performance of all obligations of the GUARANTEED PARTY under or related to the Agreement.
4. In case the GUARANTEED PARTY fails to perform, in any aspect, its obligations undertaken in the Agreement or somehow violates the provisions included therein, the GUARANTOR undertakes to, upon official notice in writing, take any necessary measures to ensure full performance of the obligations undertaken in the mentioned agreement, undertaking liability for any losses, damages, complaints, costs, and expenses resulting from default of the operations carried out by the GUARANTEED PARTY or from violation of the Agreement thereby. Any ANP initiatives for direct

accountability of the GUARANTEED PARTY at any time do not invalidate the GUARANTOR's obligations included in this Guarantee.

5. This Guarantee is unconditional and shall be effective until all obligations of the GUARANTEED PARTY in the Agreement or related thereto are fully and irrevocably performed and completed, notwithstanding (a) any addendum to or termination of the Agreement, (b) any deadline extension, other waiver, or granting by ANP, or (c) any delay or failure by ANP to obtain the remedies available against the GUARANTEED PARTY, as a legal entity.

6. Replacement of this Performance Guarantee shall be allowed in the event of assignment of all indivisible shares in the concession rights and obligations, as long as the assignee expressly undertakes the responsibility for all duties prior and that follow its joinder to the Agreement.

7. ANP shall not be required to resort to any other guarantee or take any measure against or regarding the Guarantee before exercising its rights arising from this Guarantee directly against the GUARANTOR. In addition, the GUARANTOR may not claim that ANP could have avoided or waived, in any way or through any measure, the losses resulting from failure by the GUARANTEED PARTY to perform the Agreement, or that this Agency could resort to any other existing guarantee for its benefit at any time before acting against the GUARANTOR in connection with its obligations under this Guarantee. The GUARANTOR's obligations under this Guarantee are independent and indivisible, and it shall not be entitled to compensation or objection regarding any claims it may have against ANP.

8. All obligations of the GUARANTOR established herein shall bind the GUARANTOR and its successors. The GUARANTOR may not assign or delegate its duties and obligations without the prior official consent in writing by ANP, and any alleged Assignment or delegation without such consent shall be null and void. The GUARANTOR confirms that this Guarantee shall be valid regarding any assignee that is an Affiliate of the GUARANTEED PARTY, under this Agreement. In the event of Assignment, the assignee shall be deemed the GUARANTEED PARTY for all purposes of this guarantee, to the extent of the obligations assigned.

9. This Guarantee shall be governed and interpreted pursuant to the laws of the Federative Republic of Brazil.

10. Any default, delay, or waiver of ANP in exercising any right, in whole or in part, as a result hereof, shall not be deemed a waiver of the exercise of such right or any other right.

11. Any addendum or amendment to this Guarantee shall only be valid if officially made and signed by the GUARANTOR and by ANP.

12. Any dispute regarding the interpretation of this Guarantee shall be settled, in exclusive and final terms, upon arbitration held under the Rules of the International Chamber of Commerce.

13. The costs and expenses effectively incurred by ANP as a result of execution of this Guarantee, including, without limitation, costs and attorney's fees, shall be paid in cash by the GUARANTOR upon submission of invoices.

14. Any and all notices, requests, instructions, waivers, or other communications regarding this Guarantee, as well as any consents provided for herein, shall be written in Portuguese and shall be considered valid only after receipt, to be delivered in person or sent through courier, overnight courier service, or fax to the following addresses:

If to the GUARANTOR:

[insert Guarantor's name]

[insert Guarantor's address]

[insert zip code]

[insert city]

If to ANP:

Exploration Blocks

Exploration Superintendence – SEP

Avenida Rio Branco, 65 – 19th floor – Centro

Zip Code: 20090-004 – Rio de Janeiro, RJ – Brazil

Facsimile: (+55 21) 2112 8419

Areas with marginal accumulations

Superintendence of Development and Production – SDP

Avenida Rio Branco, 65 – 19th floor – Centro

Zip Code: 20090-004 – Rio de Janeiro, RJ – Brazil

Facsimile: (+55 21) 3797-6399

The addresses and fax numbers of any of the Parties above may be changed through official notice in writing to one another, at least fifteen (15) business days before the actual date of change.

This Guarantee shall be submitted in *[insert number of counterparts in writing]* (*[insert number of counterparts]*) counterparts, and each of them shall be deemed an original copy.

This Guarantee was properly signed by the GUARANTOR on *[insert month] [insert day], [insert year]* and shall become effective as of the date of its approval by ANP.

([insert Guarantor's corporate name])

[signature]

Signed by: *[insert representative's name]*

Title: *[insert the title]*

I agree.

Compliant with the rules established in the Open Acreage Concession Modality tender protocol.

Acknowledged and accepted on *[insert month] [insert day], [insert year]*.

NATIONAL AGENCY OF PETROLEUM, NATURAL GAS AND BIOFUELS – ANP.

[signature]

Signed by: *[insert SPL representative's name]*

Title: *[insert the title]*

I agree.

[signature]

Signed by: *[insert name]*

Director-General of ANP

ANNEX XXVIII – COMMITMENT TO DECOMMISSION AND ABANDON WELLS

[insert bidder's corporate name], represented by its accredited representative(s), hereby declares its interest in participating in the Open Acreage Concession Modality, which object is the award of concession agreements for exploration or rehabilitation, assessment, and production of oil and gas in Brazil, and acknowledges the procedures and rules for the bidding process in general and the execution of concession agreements with the National Agency of Petroleum, Natural Gas, and Biofuels – ANP.

[insert bidder's corporate name] also represents that, under the applicable contractual penalties and those provided for in the applicable laws and regulations, it undertakes, for purposes of execution of the concession agreements, to implement, at its own account and risk, all activities necessary to abandon wells where it may intervene to restore its operating conditions for production or injection, or wells with other purposes, among those indicated in this commitment, as well as to decommission the facilities and recover the environment of the affected areas.

Table 22 – Selection of wells

Area	Km ²	Wells	Minimum PTI
MIRANGA LESTE	0.898	() 4MGL0001 BA	Rehabilitation of one (1) well
		() 3MGL0002 BA	
RIO IBIRIBAS	3.158	() 1RIB 0001ES	Rehabilitation of one (1) well
		() 3FSJ 0003 ES	
JURUÁ	331.798	() 1-JI-0001-AM	Rehabilitation of three (4) wells
		() 3-JI-0002-AM	

Area	Km ²	Wells	Minimum PTI
		() 3-JI-0004-AM	
		() 3-JR-0004-AM ES	

This commitment shall be governed and construed pursuant to the laws of the Federative Republic of Brazil, and the competent courts to settle any disputes related to this commitment are the Federal Courts, Judiciary Section of Rio de Janeiro, to the exclusion of any other court, however privileged it may be.

[signature]

Signed by: *[insert the name(s) of the Accredited Representative(s) and the Bidder]*

Place and date: *[insert place and date]*

ANNEX XXIX – DRAFT CONCESSION AGREEMENT – EXPLORATION BLOCKS

**ANNEX XXX – DRAFT CONCESSION AGREEMENT – AREAS WITH MARGINAL
ACCUMULATIONS**