

LEGAL NOTICE NO. 63

REPUBLIC OF TRINIDAD AND TOBAGO

THE PETROLEUM ACT, CHAP. 62:01

ORDER

MADE BY THE MINISTER UNDER REGULATION 4 OF THE PETROLEUM  
REGULATIONS

THE PETROLEUM REGULATIONS (ONSHORE COMPETITIVE  
BIDDING) ORDER, 2013

WHEREAS the Minister of Energy and Energy Affairs (“the Minister”) is <sup>Preamble</sup> empowered by section 9 of the Petroleum Act to grant licences in accordance with the Act and Regulations:

And whereas by regulation 3(1)(b) of the Petroleum Regulations (“the Regulations”) one of the licences which may be granted is an Exploration and Production (Public Petroleum Rights) Licence for the purposes of petroleum operations:

And whereas the Minister has determined that there should be granted three Exploration and Production (Public Petroleum Rights) Licences in respect of the public petroleum rights for certain onshore areas of Trinidad and Tobago (“the onshore areas”), more particularly described in Schedule I of this Order:

And whereas in accordance with section 10 of the Act, the President is empowered to determine that the grant of licences respecting any public petroleum rights shall be subject to a procedure of competitive bidding in accordance with the Regulations:

And whereas the President has determined that the grant of the three Exploration and Production (Public Petroleum Rights) Licences in respect of the public petroleum rights in the onshore areas shall be subject to a procedure of competitive bidding:

And whereas regulation 4 of the Regulations provides that where the President has determined an area shall be subject to competitive bidding, the Minister shall make an Order to that effect, which shall specify in respect of each area, the geographical description, the period during which the bids may be presented and any other conditions and details which the Minister may consider proper for the purpose:

Now, therefore, in exercise of the powers vested in the Minister under regulation 4 of the Regulations, the Minister makes the following Order:

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| Citation                                     | 1. This Order may be cited as the Petroleum Regulations (Onshore Competitive Bidding) Order, 2013.   |
| Areas subject to competitive bidding process | 2. (1) The onshore areas in respect of which the President has determined that the grant of Exploration and Production (Public Petroleum Rights) Licences concerning public petroleum rights shall be subject to a procedure of competitive bidding shall comprise three blocks, namely the Ortoire, Rio Claro and St. Mary's Blocks (hereinafter referred to as "the blocks").<br><br>(2) The physical configuration of the areas subject to the procedure of competitive bidding under subclause (1) are more particularly described in Schedule I and illustrated on the maps set out in Schedule II.   |
| Schedule I<br>Schedule II                    |  |
| Bids invited                                 | 3. The public is invited to bid for Exploration and Production (Public Petroleum Rights) Licences in respect of the blocks for the carrying out of exploration and production operations in the onshore areas illustrated on the maps set out in Schedule II.  |
| Form of and time for presentation of bids    | 4. (1) Bidders shall present bids—<br>(a) in duplicate; and<br>(b) under confidential cover in sealed envelopes marked "Bid for Exploration and Production (Public Petroleum Rights) Licence",<br>with the block applied for clearly marked.<br><br>(2) Bids under subclause (1) shall be submitted to the Office of the Permanent Secretary, Ministry of Energy and Energy Affairs, Level 26, Tower C, Energy Trinidad and Tobago, International Waterfront Centre, No. 1 Wrightson Road, Port-of-Spain, Republic of Trinidad and Tobago, West Indies.<br><br>(3) The submission of bids under subclause (1) shall take place from the date of this Order until 12.00 noon on 30th August, 2013.<br><br>(4) Bidders shall be at liberty to request, in writing or by telefax, any further information which may be required in order to complete a bid or any interpretation thereof. |

(5) A request under subclause (4) shall be made to the—

Permanent Secretary  
Ministry of Energy and Energy Affairs  
Level 26, Tower C  
Energy Trinidad and Tobago  
International Waterfront Centre  
No. 1 Wrightson Road  
Port-of-Spain  
Republic of Trinidad and Tobago  
West Indies.  
Fax No. (868) 625-0306.  
e-mail address: tobr2013@energy.gov.tt

(6) Persons interested in conducting exploration and production operations or forming a consortium to conduct exploration and production operations in any of the blocks described in Schedule I, shall submit a separate bid application in respect of each block.

(7) Notwithstanding anything to the contrary which may be contained in or implied in this Order, the Ministry of Energy and Energy Affairs (“the Ministry”) does not bind itself to accept any bid or any part of a bid submitted pursuant to this Order and the Ministry further reserves the right to reject any and all bids.

(8) After the public opening of bids, the Ministry of Energy and Energy Affairs may disclose the process, information relating to the examination, clarification, evaluation and comparison of bids and recommendations concerning the award of Exploration and Production (Public Petroleum Rights) Licences.

Pre-bid  
application  
fee

5. (1) Persons intending to bid either individually or as a member of a consortium shall pay a bid fee to the Permanent Secretary of the Ministry of Energy and Energy Affairs prior to the close of bids.

(2) The bid fee under subclause (1) is the sum of forty thousand dollars in the currency of the United States of America (US\$40,000).

(3) Where a prospective bidder pays the bid fee he shall be entitled to—

- (a) receive the data package which shall include data for all three blocks; and
- (b) bid on any or all of the blocks.

(4) A bid shall not be accepted unless the bidder first pays the bid fee under subclause (1).

Data packages

6. A data package under clause 5 shall include—

- (a) the Petroleum Regulations (Onshore Competitive Bidding) Order, 2013;
- (b) the Model Exploration and Production (Public Petroleum Rights) Licence, 2013 for Onshore Areas (“Model Licence”);
- (c) the Model Joint Operating Agreement (JOA);
- (d) the Local Content and Local Participation Framework for the Republic of Trinidad and Tobago dated 7th October, 2004; and
- (e) relevant information with respect to the blocks for which bid may be presented.

Information in support of bid

7. A bidder shall in submitting a bid, submit with the bid the following:

Schedule III

- (a) a signed declaration, indicating that the Model Licence has been examined and the terms agreed to be presented in the form set out in Schedule III;

Schedule IV

- (b) a summary of the proposals in respect of items referred to in clause 8(2) presented in the Summary Bid Form set out in Schedule IV;

Schedule V

- (c) documents showing cash flow in respect of the commercial evaluation in the Form set out in Schedule V, entitled “Revenue/Cost Data used in Commercial Evaluation”;
- (d) documents demonstrating the legal identity of the bidder;
- (e) evidence of technical capacity, competence and experience in petroleum operations and related activities of the bidder documents showing the corporate and financial structure and backing of the bidder;

- (f) documents showing the corporate and the financial structure and backing of the bidder;
- (g) a declaration of and the details of any conflict of interest that a bidder may have;
- (h) where the bid is being considered by consortium, the role that each member of the consortium shall play; and
- (i) such other details as the bidder may consider relevant.

Requirements  
of bid

8. (1) A bid proposal shall provide for the maximum utilization of services and facilities available in Trinidad and Tobago in both the exploration and production operations under the Exploration and Production (Public Petroleum Rights) Licence granted.

(2) A bid shall conform to the provisions of the Model Licence and shall contain proposals in respect of the following:

- (a) a technical and commercial evaluation of the block which represents the interpretation by the bidder of the hydrocarbon and commercial potential of the area;
- (b) a commitment to a work programme (“the Minimum Work Programme”) which represents the best efforts of the bidder to explore the block based on his technical evaluation of the block; and
- (c) a commitment to spend such sum of money (“the Minimum Expenditure Obligation”) as shall be necessary to complete the Minimum Work Programme.

(3) Bidders are required to make an oral presentation in support of their technical and commercial evaluations referred to in subclause (2)(a).

(4) Where more than one bidder for a particular block is awarded the same number of points, each bidder shall be required to bid a signature cash bonus for the purpose of determining the preferred bidder for that block.

- Evaluation of bids      9. A bid proposal shall be evaluated on the basis of the—
- (a) provisions outlined in the Model Licence; and
- (b) point system to be used for evaluating bids set out in Schedule VI.
- Schedule VI
- Interest of the Petroleum Company of Trinidad and Tobago      10. The Petroleum Company of Trinidad and Tobago shall be given a twenty per cent participating interest in each block awarded and a carry for certain works, payments and obligations as specified in the Model Joint Operating Agreement.
- Separate licence for each block      11. The Minister shall issue a separate Exploration and Production (Public Petroleum Rights) Licence in respect of each block described in Schedule I.
- Announcement of successful and notification of unsuccessful bids      12. (1) Successful bids shall be announced within six months of the date of the publication of this Order.
- (2) The Ministry shall notify unsuccessful bidders in writing as soon as possible after the award of Exploration and Production (Public Petroleum Rights) Licences that they were unsuccessful and of the award of the Exploration and Production (Public Petroleum Rights) Licences.
- Requirement of successful bidders      13. (1) A successful bidder for an Exploration and Production (Public Petroleum Rights) Licence shall—
- (a) execute such Exploration and Production (Public Petroleum Rights) Licence with the State within thirty days of the notification of the successful bid;
- (b) before commencing petroleum operations in the licenced area, register under the Companies Act or be incorporated thereunder;
- (c) deliver to the Minister on or before the effective date of the Exploration and Production (Public Petroleum Rights) Licence, guarantees for—
- (i) the total amount of the Minimum Work Obligation committed to in clause 7(b) in the form of a bond or banker's guarantee or other form of guarantee acceptable to the Minister
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on the effective date of the Exploration and production (Public Petroleum Rights) Licence; and

(ii) the sum of four hundred thousand dollars in the currency of the United States of America (US \$400,000.00) for the performance of any other obligation under the Licence, in cash, securities or other form of guarantee acceptable to the Minister;

(d) maintain such separate books of accounts with respect to petroleum operations in the licensed area as may satisfy the Minister to whom responsibility for finance is assigned; and

(e) participate in the “National Oil Spill Contingency Plan” of the Government of the Republic of Trinidad and Tobago.

(2) The Model Licence and the bid proposal of the bidder pursuant to this Order shall be the basis for the issue of the Exploration and Production (Public Petroleum Rights) Licences to be entered into among the President, the Minister, Petrotrin and the successful bidder.

(3) Failure to execute the Exploration and Production (Public Petroleum Rights) Licence referred to in subclause (1)(a) within thirty days of receipt of the notification of the success of the bid may result in the non-issue of the Exploration and Production (Public Petroleum Rights) Licence and the Ministry may proceed to commence discussions with the bidder who is next in line.

Period of licence renewal and termination of Exploration and Production (Public Petroleum Rights) Licence

14. (1) An Exploration and Production (Public Petroleum Rights) Licence shall be issued initially for a period of six years, in respect of each block listed in Schedule I, but upon the achievement of a commercial discovery, it may be renewed as to such part of the licensed area on which the commercial discovery has been made for a term of twenty-five years from the effective date of the Exploration and Production (Public Petroleum Rights) Licence.

(2) Where a commercial discovery is not achieved within six years, the Exploraiton and Production (Public Petroleum Rights) Licence referred to in subclause (1) shall terminate automatically.

Application for prequalification for operatorship 15. A bidder wishing to be considered for operatorship shall apply for prequalification on or before the date specified in clause 4(3).

#### SCHEDULE I

(Clause 2)

##### THE AREAS SUBJECT TO COMPETITIVE BIDDING

The areas subject to Competitive Bidding comprises the three blocks of various shapes and sizes located, designated and described as specified hereunder and illustrated on the maps in the Second Schedule.

##### *ORTOIRE BLOCK*

All that portion of land located in the Wards of Ortoire, Charuma, Cocal, Guayaguayare and Trinity delineated and coloured yellow in the Map marked "ANNEX A" comprising approximately eighteen thousand one hundred and two hectares (18,102 ha.) [forty-four thousand seven hundred and thirty-one acres (44,731 a)]. The said area is bounded by the UTM WGS 84 co-ordinates as set out hereunder:

Commencing at point A321, said point being located at the intersection of WGS84 co-ordinates N. 1137586.1 metres with E. 714669.7 metres; proceed in an easterly direction to point A322, said point being located at N. 1137587.3 metres with E. 714888.7 metres. Proceed in a northerly direction to point A323, N. 1138018.9 metres with E. 714886.5 metres; then proceed in an easterly direction to point A324, N. 1138021.0 metres with E. 715296.0 metres. Proceed in a northerly direction to point A325, N. 1138553.5 metres with E. 715293.2 metres; then proceed in an easterly direction to point A326, N. 1138555.3 metres with E. 715645.9 metres. Proceed in a northerly direction to point A327, N. 1139051.5 metres with E. 715643.4 metres; then proceed in a north-easterly direction to point A330, N. 1139523.7 metres with E. 715669.6 metres. Proceed in an easterly direction to point A328, N. 1139519.5 metres with E. 715725.9 metres; then proceed in a south-easterly direction to point A546, N. 1139473.5 metres with E. 715751.3 metres. Proceed in a south-easterly direction to point A329, N. 1139438.9 metres with E. 715792.4 metres; then proceed in a southerly direction to point A331, N. 1138868.0 metres with E. 715779.9 metres. Proceed in an easterly direction to point A332, N. 1138868.5 metres with E. 715882.7 metres; then proceed in a southerly direction to point A333, N. 1138596.3 metres with E. 715869.4 metres. Proceed in an easterly direction to point A334, N. 1138597.3 metres with E. 716063.7 metres; then proceed in a north-easterly direction to point A544, N. 1138860.1 metres with E. 716114.8 metres. Proceed in a north-easterly direction along the Ortoire River to point A577, N. 1140207.4 metres with E. 717500.8 metres; then proceed in a north-easterly direction along the Ortoire River to point A543, N. 1140719.1 metres with E. 718009.1 metres. Proceed in a south-easterly direction to point A542, N. 1140378.2 metres with E. 719655.3 metres; then proceed in a southerly direction along the Coastline to point A271, N. 1134168.0 metres with E. 719294.8 metres. Proceed in a south-westerly direction to point A272, N. 1133075.7 metres with E. 717634.1 metres; then proceed in a southerly direction to point A273, N. 1132718.5 metres with E. 717635.8 metres.



Proceed in a westerly direction to point A274, N. 1132735.1 metres with E. 717200.0 metres; then proceed in a southerly direction to point A275, N. 1132504.3 metres with E. 717186.3 metres. Proceed in a westerly direction to point A275a, N. 1132511.0 metres with E. 717024.6 metres; then proceed in a westerly direction to point A275b, N. 1132509.1 metres with E. 716946.9 metres. Proceed in a southerly direction to point A275c, N. 1132471.7 metres with E. 716945.9 metres; then proceed in a westerly direction to point A276, N. 1132472.2 metres with E. 716752.2 metres. Proceed in a northerly direction to point A277, N. 1132560.8 metres with E. 716752.7 metres; then proceed in a westerly direction to point A278, N. 1132558.4 metres with E. 716569.2 metres. Proceed in a southerly direction to point A279, N. 1132310.9 metres with E. 716567.5 metres; then proceed in a westerly direction to point A280, N. 1132309.6 metres with E. 716401.7 metres. Proceed in a northerly direction to point A280a, N. 1132329.6 metres with E. 716400.5 metres; then proceed in a south-westerly direction to point A281, N. 1129260.7 metres with E. 711505.3 metres. Proceed in a westerly direction to point A281a, N. 1129259.5 metres with E. 711293.2 metres; then proceed in a westerly direction to point A282, N. 1129247.5 metres with E. 710405.6 metres. Proceed in a southerly direction to point A283, N. 1128126.5 metres with E. 710415.8 metres; then proceed in a westerly direction to point A284, N. 1128116.4 metres with E. 708435.5 metres. Proceed in a northerly direction to point A285, N. 1129237.6 metres with E. 708429.8 metres; then proceed in a westerly direction to point A286, N. 1129227.0 metres with E. 706373.3 metres. Proceed in a south-westerly direction to point A248, N. 1126723.0 metres with E. 700974.0 metres; then proceed in a northerly direction to point A247, N. 1126941.8 metres with E. 700974.0 metres. Proceed in a northerly direction to point A287, N. 1130493.8 metres with E. 700956.0 metres; then proceed in an easterly direction to point A288, N. 1130497.8 metres with E. 702086.0 metres. Proceed in a north-westerly direction to point A 289, N. 1133386.8 metres with E. 700323.0 metres. Proceed in a south-westerly direction to point A290, N. 1132195.8 metres with E. 697741.0 metres and then in a south-easterly direction to point A291, N. 1130757.8 metres with E. 698530.0 metres. Proceed in a south-westerly direction to point A264, N. 1129689.8 metres with E. 695923.0 metres and then in a north-westerly direction to point A263, N. 1132433.8 metres with E. 695670 metres. Proceed in a northerly direction to point A292, N. 1133433.8 metres with E. 695670 metres. Then proceed in a westerly direction to point A293, N. 1133433.8 metres with E. 695420 metres then in a northerly direction to point A294, N. 1133683.8 metres with E. 695420 metres. Proceed in a westerly direction to point A295, N. 1133683.8 metres with E. 694920 metres. Proceed in a southerly direction to point A296, N. 1133433.8 metres with E. 694920 metres and then in a westerly direction to point A297, N. 1133433.8 metres with E. 694170 metres. Proceed in a southerly direction to point A298, N. 1133183.8 metres with E. 694170 metres and then in a westerly direction to point A299, N. 1133183.8 metres with E. 693670 metres. Proceed in a southerly direction to point A300, N. 1132933.8 metres with E. 693670 metres. Proceed in a westerly direction to point A301, N. 1132933.8 metres with E. 693420 metres and then in a southerly direction to point A302, N. 1132683.8 metres with E. 693420 metres. Proceed in a westerly direction to point A303, N. 1132683.8 metres with E. 693169.9 metres. Then proceed in a southerly direction to point A304, N. 1132433.8 metres with E. 693169.9 metres. Proceed in a westerly direction to point A305, N. 1132433.8 metres with E. 692419.9 metres then in a southerly direction to point A306, N. 1132183.8 metres with E. 692419.9 metres. Then proceed in a westerly direction to point A307, N. 1132183.8 metres with E. 691919.9 metres. Proceed in a southerly direction to point A308, N. 1131933.8 metres with E. 691919.9 metres and then in a westerly direction to point A309, N. 1131933.8 metres with E. 691419.9 metres. Proceed in a southerly direction to point A310, N. 1131683.8 metres with E. 691419.9 metres. Proceed in a westerly direction to point A311, N. 1131683.8 metres with E. 690919.9 metres and then in a southerly direction to point A312, N. 1131433.8 metres with E. 690919.9 metres. Proceed in a westerly direction to point A262, N. 1131433.8 metres with

E. 690419.9 metres and then in a north-westerly direction to point A261, N. 1131739.8 metres with E. 687628.9 metres. Proceed in a northerly direction to point A313, N. 1132658.6 metres with E. 687628.9 metres. Then proceed in a north-easterly direction to point A314, N. 1134025.6 metres with E. 690590.1 metres. Proceed in a northerly direction to point A315, N. 1134811.5 metres with E. 690590.1 metres then continue in a north-easterly direction to point A 315a, N. 1134821.5 metres with E. 690606.8 metres. Then proceed in an easterly direction to point A316, N. 1134821.5 metres with E. 693151.0 metres. Proceed in a northerly direction to point A317, N. 1135652.0 metres with E. 693151.0 metres. Proceed in an easterly direction to point A318, N. 1135658.3 metres with E. 694161.0 metres then in a northerly direction to point A319, N. 1136937.5 metres with E. 694160.9 metres. Proceed in a south-westerly direction to point A320, N. 1136589.8 metres with E. 693577.9 metres and then in a northerly direction to point A320a, N. 1137553.8 metres with E. 693560.9 metres. Proceed in a northerly direction to point A320b, N. 1137735.3 metres with E. 693554.0 metres. Then proceed in an easterly direction to point A320c, N. 1137735.6 metres with E. 693571.8 metres. Proceed in a northerly direction to point A459, N. 1137931.0 metres with E. 693570.5 metres then in an easterly direction to point A565, N. 1137981.1 metres with E. 700684.9 metres. Proceed in a south-easterly direction along western side of the Old Guayaguayare Road to point A564, N. 1134243.9 metres with E. 702907.2 metres. Proceed in a north-easterly direction to point A561, N. 1137227.5 metres with E. 714231.3 metres and then in an easterly direction to point A563, N. 1137229.8 metres with E. 714671.6 metres. Then proceed in a northerly direction back to point A321, said point being the point of commencement.

#### *RIO CLARO BLOCK*

All that portion of land located in the Wards of Charuma, Cocal, Ortoire and Guayaguayare delineated and coloured pink in the Map marked "ANNEX A" comprising approximately thirty thousand three hundred and thirty-three hectares (30,333 ha.) [seventy-four thousand nine hundred and fifty-four acres (74,954 a)]. The said area is bounded by the UTM WGS84 co-ordinates as set out hereunder:

Commencing at point A 512, said point being located at the intersection of UTM WGS 84 co-ordinates N. 1142177.3 with E. 689374.0 metres; proceed in a southerly direction to point A 511, N. 1142084.3 with E. 689376.8 metres. Then proceed in an easterly direction to point A 510, N. 1142082.5 with E. 689683.7 metres. Proceed in a southerly direction to point A 509, N. 1141831.9 with E. 689687.4 metres. Proceed in a westerly direction to point A 508, N. 1141824.6 with E. 688857.5 metres. Proceed in a southerly direction to point A 506, N. 1141539.3 with E. 688860.7 metres. Then proceed in an easterly direction to point A 507, N. 1141540.9 with E. 689063.3 metres. Proceed in a southerly direction to point A 507a, N. 1141355.5 with E. 689064.4 metres. Proceed in a north-westerly direction along road to point A 507b, N. 1141355.9 with E. 689040.3 metres. Then proceed in a southerly direction to point A 505, N. 1140952.2 with E. 689041.6 metres. Proceed in an easterly direction to point A 505a, N. 1140952.2 with E. 689218.8 metres. Proceed in a northerly direction to point A 505b, N. 1140958.5 with E. 689218.9 metres. Then proceed in an easterly direction to point A 504, N. 1140958.2 with E. 689397.8 metres. Proceed in a southerly direction to point A 503, N. 1140512.4 with E. 689400.5 metres. Proceed in a westerly direction to point A 502, N. 1140500.8 with E. 688624.3 metres. Proceed in a southerly direction to point A 500, N. 1139833.9 with E. 688626.1 metres. Proceed in an easterly direction to point A 498, N. 1139833.9 with E. 688941.4 metres. Then proceed in a southerly direction to point A 499, N. 1139720.3 with E. 688944.2 metres. Proceed in an easterly direction to point A 497, N. 1139721.6 with E. 689408.2 metres. Proceed in a southerly direction to point A 496, N. 1139433.8 with E. 689409.9 metres. Proceed in an easterly direction to point A 495, N. 1139432.9 with E. 689679.8 metres. Proceed in a northerly direction to point A 494, N. 1139490.1 with E. 689680.6 metres. Then proceed in an easterly direction to point A 494a, N. 1139489.3 with E. 689942.8 metres. Proceed in a

southerly direction to point A 493, N. 1139471.3 with E. 689942.5 metres. Proceed in an easterly direction to point A 493a, N. 1139472.5 with E. 690173.2 metres. Proceed in an easterly direction to point A 493b, N. 1139471.9 with E. 690307.3 metres. Then proceed in a northerly direction to point A 482, N. 1139574.9 with E. 690309.0 metres. Proceed in an easterly direction to point A 481, N. 1139575.7 with E. 690665.3 metres. Proceed in a northerly direction to point A 480, N. 1140020.7 with E. 690648.8 metres. Proceed in an easterly direction to point A 479, N. 1140020.7 with E. 691076.3 metres. Proceed in a northerly direction to point A 478b, N. 1140408.0 with E. 691066.3 metres. Proceed in a south-easterly direction along road to point A 478a, N. 1140407.3 with E. 691088.1 metres. Proceed in a northerly direction to point A 478, N. 1140518.6 with E. 691087.2 metres. Proceed in an easterly direction to point A 477, N. 1140529.1 with E. 692085.6 metres. Proceed along the eastern side of road in a north-easterly direction to point A 474, N. 1141333.3 with E. 692496.8 metres. Proceed along the eastern side of road in a north-easterly direction to point A 475a, N. 1141323.2 with E. 692712.3 metres. Then proceed along road in a south-easterly direction to point A 475, N. 1141300.3 with E. 692734.5 metres. Proceed in a southerly direction to point A 473, N. 1140369.2 with E. 692743.9 metres. Proceed in a westerly direction to point A 472, N. 1140367.3 with E. 692495.2 metres. Proceed in a southerly direction to point A 472a, N. 1139978.5 with E. 692491.1 metres. Proceed in a south-westerly direction to point A 471, N. 1139801.9 with E. 692481.2 metres. Proceed in an easterly direction to point A 470, N. 1139802.9 with E. 692636.9 metres. Proceed in a southerly direction to point A 469, N. 1139095.0 with E. 692642.7 metres. Then proceed in a westerly direction to point A 468, N. 1139094.2 with E. 692603.0 metres. Proceed in a southerly direction to point A 467, N. 1138763.1 with E. 692605.7 metres. Proceed in an easterly direction to point A 466, N. 1138768.6 with E. 693319.7 metres. Proceed in a north-easterly direction along eastern side of Naparima-Mayaro Road to point A 465, N. 1139136.9 with E. 693496.0 metres. Proceed in a northerly direction to point A 464, N. 1139939.1 with E. 693495.7 metres. Proceed in an easterly direction to point A 463, N. 1139940.9 with E. 694011.7 metres. Proceed in a southerly direction to point A 462, N. 1138472.8 with E. 694020.4 metres. Then proceed in a westerly direction to point A 461, N. 1138465.7 with E. 693218.4 metres. Proceed in a south-westerly direction to point A 461a, N. 1138429.7 with E. 693196.8 metres. Proceed in a southerly direction to point A 460, N. 1138174.4 with E. 693199.3 metres. Proceed in a south-easterly direction to point A 459, N. 1137931.0 with E. 693570.5 metres. Proceed in an easterly direction to point A 565, N. 1137981.1 with E. 700684.9 metres. Then proceed in a south-easterly direction along eastern side of Old Guayaguayare Road to point A 564, N. 1134243.9 with E. 702907.2 metres. Proceed in a north-easterly direction to point A 561, N. 1137227.5 with E. 714231.3 metres. Proceed in a northerly direction to point A 560, N. 1138259.1 with E. 714225.9 metres. Proceed in an easterly direction to point A 559, N. 1138260.4 with E. 714464.7 metres. Proceed in a northerly direction to point A 558, N. 1138784.9 with E. 714461.9 metres. Proceed in an easterly direction to point A 557, N. 1138786.0 with E. 714664.2 metres. Then proceed in a northerly direction to point A 556, N. 1139287.5 with E. 714648.4 metres. Proceed in a south-westerly direction to point A 568, N. 1138028.7 with E. 712892.2 metres. Proceed in a south-westerly direction to point A 567, N. 1137733.8 with E. 712075.0 metres. Proceed in a south-westerly direction to point A 566, N. 1137586.8 with E. 710777.3 metres. Proceed in a northerly direction to point A 573, N. 1138700.6 with E. 710719.3 metres. Proceed in a north-easterly direction to point A 572, N. 1139076.8 with E. 711833.0 metres. Proceed in a north-easterly direction to point A 571, N. 1139716.1 with E. 713078.4 metres. Then proceed in a northerly direction to point A 570, N. 1139924.8 with E. 713093.5 metres. Proceed in an easterly direction to point A 569, N. 1139955.6 with E. 714621.5 metres. Proceed in a north-easterly direction to point A 555, N. 1140273.9 with E. 714656.6 metres. Proceed in an easterly direction to point A 554, N. 1140278.8 with E. 715586.4 metres. Proceed in a south-easterly direction to point A 553, N. 1140246.7 with E. 715656.8 metres. Proceed in an easterly direction to point A 552, N. 1140247.7 with E. 715851.6 metres. Proceed in a southerly direction to point A 549, N. 1139981.9 with E. 715852.9 metres. Then proceed in a westerly direction to point A 550, N. 1139981.5 with E. 715770.9 metres. Proceed

in a southerly direction to point A 547, N. 1139735.3 with E. 715772.2 metres. Proceed in an easterly direction to point A 545, N. 1139736.8 with E. 716062.7 metres. Proceed along Ortoire River in a southerly direction to point A 544, N. 1138860.1 with E. 716114.8 metres. Then proceed along northern side of Ortoire River in a north-easterly direction to point A 577, N. 1140207.4 with E. 717500.8 metres. Proceed in a westerly direction to point A 578, N. 1140206.2 with E. 717267.3 metres. Proceed in a westerly direction to point A 574, N. 1140205.0 with E. 717035.9 metres. Proceed along eastern side of Mafeking Branch Road in a northerly direction to point A 575, N. 1140447.8 with E. 716997.9 metres. Proceed in a northerly direction to point A 589, N. 1140519.4 with E. 716997.6 metres. Proceed in a northerly direction to point A 587, N. 1140858.3 with E. 716995.8 metres. Then proceed in an easterly direction to point A 586, N. 1140859.7 with E. 717249.0 metres. Proceed in a northerly direction to point A 585, N. 1140979.9 with E. 717248.4 metres. Proceed in an easterly direction to point A 584, N. 1140980.8 with E. 717414.3 metres. Proceed in a northerly direction to point A 583, N. 1141026.2 with E. 717414.0 metres. Proceed in an easterly direction to point A 582, N. 1141026.9 with E. 717561.0 metres. Then proceed in a northerly direction to point A 581, N. 1141115.3 with E. 717560.5 metres. Proceed in an easterly direction to point A 580, N. 1141117.5 with E. 717982.1 metres. Proceed in a northerly direction to point A 579, N. 1141273.3 with E. 717981.3 metres. Proceed in an easterly direction to point A 578a, N. 1141274.9 with E. 718296.8 metres. Proceed along eastern side of Ortoire River in a south-westerly direction to point A 543, N. 1140719.1 with E. 718009.1 metres. Proceed in a south-easterly direction to point A 542, N. 1140378.2 with E. 719655.3 metres a point along Guayaguayare Coast line. Proceed along Guayaguayare Coast line in a northerly direction to point A 541, N. 1147114.8 with E. 717783.4 metres. Proceed in a south-westerly direction to point A 540, N. 1146955.3 with E. 717619.2 metres. Proceed in a south-westerly direction to point A 539, N. 1146817.0 with E. 717310.8 metres. Proceed in a north-westerly direction to point A 539a, N. 1146827.7 with E. 717026.1 metres. Proceed in a north-westerly direction to point A 539b, N. 1146883.6 with E. 716483.8 metres. Proceed in a westerly direction to point A 538, N. 1146902.9 with E. 716150.3 metres. Proceed in a north-westerly direction to point A 537, N. 1147859.8 with E. 715653.8 metres. Then proceed in a south-westerly direction to point A 536, N. 1147632.0 with E. 713470.3 metres. Proceed in a north-westerly direction to point A 535, N. 1147847.2 with E. 710519.8 metres. Proceed in a north-westerly direction to point A 534, N. 1149777.2 with E. 708459.2 metres. Proceed in a north-westerly direction to point A 534a, N. 1150177.3 with E. 708090.2 metres. Then proceed in a north-westerly direction to point A 533, N. 1150691.4 with E. 707864.3 metres. Proceed in a north-easterly direction to point A 532, N. 1152018.7 with E. 708747.2 metres. Proceed in a north-westerly direction to point A 531, N. 1152257.7 with E. 708637.9 metres. Proceed in a westerly direction to point A 530, N. 1152237.7 with E. 704767.4 metres. Proceed in a southerly direction to point A 484, N. 1151996.3 with E. 704768.7 metres. Proceed in an easterly direction to point A 483, N. 1151996.5 with E. 704798.9 metres. Then proceed in a southerly direction to point A 486, N. 1151734.9 with E. 704800.2 metres. Proceed in an easterly direction to point A 485, N. 1151735.3 with E. 704880.7 metres. Proceed in a southerly direction to point A 488, N. 1151534.2 with E. 704881.8 metres. Proceed in a westerly direction to point A 487, N. 1151533.6 with E. 704771.1 metres. Then proceed in a southerly direction to point A 490, N. 1151071.0 with E. 704795.7 metres. Proceed in a westerly direction to point A 489, N. 1151070.9 with E. 704764.5 metres. Proceed in a southerly direction to point A 491, N. 1150853.5 with E. 704764.6 metres. Proceed in an easterly direction to point A 492, N. 1150854.0 with E. 704857.2 metres. Then proceed in a southerly direction to point A 529, N. 1150689.0 with E. 704858.0 metres. Proceed in a westerly direction to point A 528, N. 1150682.6 with E. 703630.8 metres. Proceed in a southerly direction to point A 527, N. 1150616.2 with E. 703631.1 metres. Proceed in a westerly direction to point A 526, N. 1150613.1 with E. 703055.8 metres. Then proceed in a southerly direction to point A 525, N. 1149164.0 with E. 703063.3 metres. Proceed in a westerly direction to point A 524, N. 1149153.0 with E. 701027.7 metres. Proceed in a southerly direction to point A 523, N. 1148933.6 with E. 701030.2 metres. Proceed in a westerly direction to point A 522, N. 1148926.4

with E. 700878.9 metres. Then proceed in a southerly direction to point A 521, N. 1148740.4 with E. 700879.9 metres. Proceed in a westerly direction to point A 520, N. 1148730.7 with E. 700588.7 metres. Proceed in a southerly direction to point A 519, N. 1148387.3 with E. 700581.6 metres. Proceed in a westerly direction to point A 518, N. 1148384.3 with E. 700031.7 metres. Then proceed in a northerly direction to point A 517, N. 1149050.5 with E. 700029.6 metres. Proceed along southern side of Cunapo Southern Main Road in a south-westerly direction to point A 516, N. 1148626.6 with E. 699477.9 metres. Then proceed in a westerly direction to point A 515, N. 1148634.8 with E. 698836.0 metres. Proceed in a southerly direction to point A 514, N. 1148286.1 with E. 698844.9 metres. Proceed in a south-westerly direction back to point A 512, said point being the point of commencement.

*ST. MARY'S BLOCK*

All that portion of land, comprising approximately fifteen thousand two hundred and eighty-one hectares (15,281 Ha) [thirty-seven thousand seven hundred and sixty acres (37,760 a)] situate in the Wards of Siparia, Moruga, Savanna Grande, Ortoire and Trinity. The said Block is subdivided into three blocks labelled SM1–SM3 and bounded by co-ordinates as set out hereunder:

*BLOCK SM1*

All that portion of land located in the Wards of Moruga, Savanna Grande, Ortoire and Trinity delineated and coloured green in the Map marked “ANNEX A” comprising approximately ten thousand four hundred and seventy-two hectares (10,472 ha.) [twenty-five thousand eight hundred and seventy-seven acres (25,877 a)]. The said area is bounded by the UTM WGS 84 co-ordinates as set out hereunder:

Commencing at point A261, said point being located at the intersection of WGS 84 co-ordinates N. 1131739.8 metres with E. 687628.9 metres; then proceed in a south-easterly direction to point A262, N. 1131433.8 metres with E. 690419.9 metres. Proceed in a southerly direction to point A63, N. 1131183.8 metres with E. 690419.9 metres; then proceed in a westerly direction to point A56, N. 1131183.8 metres with E. 690169.9 metres. Proceed in a southerly direction to point A57, N. 1130783.8 metres with E. 690169.9 metres; then proceed in a westerly direction to point A58, N. 1130783.8 metres with E. 689919.9 metres. Proceed in a southerly direction to point A59, N. 1130533.8 metres with E. 689919.9 metres; then proceed in a westerly direction to point A60, N. 1130533.8 metres with E. 689419.9 metres. Proceed in a southerly direction to point A61, N. 1130283.8 metres with E. 689419.9 metres; then proceed in a westerly direction to point A62, N. 1130283.8 metres with E. 688669.9 metres. Proceed in a southerly direction to point A50, N. 1130033.8 metres with E. 688669.9 metres; then proceed in a westerly direction to point A51, N. 1130033.8 metres with E. 688169.9 metres. Proceed in a southerly direction to point A52, N. 1129783.8 metres with E. 688169.9 metres; then proceed in a westerly direction to point A53, N. 1129783.8 metres with E. 687919.9 metres. Proceed in a southerly direction to point A54, N. 1129533.7 metres with E. 687919.9 metres; then proceed in a westerly direction to point A55, N. 1129533.7 metres with E. 687419.9 metres. Proceed in a southerly direction to point A45, N. 1128283.7 metres with E. 687419.9 metres; then proceed in a westerly direction to point A46, N. 1128283.7 metres with E. 686919.9 metres. Proceed in a southerly direction to point A47, N. 1127283.7 metres with E. 686919.9 metres; then proceed in an easterly direction to point A48, N. 1127283.7 metres with E. 687419.9 metres. Proceed in a southerly direction to point A49, N. 1127033.7 metres with E. 687419.9 metres; then proceed in an easterly direction to point A41, N. 1127033.7 metres with E. 688669.9 metres. Proceed in a northerly direction to point A42, N. 1127283.7 metres with

E. 688669.9 metres; then proceed in an easterly direction to point A43, N. 1127283.7 metres with E. 689419.9 metres. Proceed in a southerly direction to point A44, N. 1127033.7 metres with E. 689419.9 metres; then proceed in a north-easterly direction to point A27, N. 1128033.7 metres with E. 691919.9 metres. Proceed in a northerly direction to point A28, N. 1128783.7 metres with E. 691919.8 metres; then proceed in an easterly direction to point A29, N. 1128783.7 metres with E. 692169.8 metres. Proceed in a northerly direction to point A30, N. 1129183.7 metres with E. 692169.8 metres; then proceed in an easterly direction to point A31, N. 1129183.7 metres with E. 692669.8 metres. Proceed in a northerly direction to point A32, N. 1129433.7 metres with E. 692669.8 metres; then proceed in an easterly direction to point A33, N. 1129433.7 metres with E. 692919.8 metres. Proceed in a northerly direction to point A34, N. 1129683.7 metres with E. 692919.8 metres; then proceed in an easterly direction to point A35, N. 1129683.7 metres with E. 694169.8 metres. Proceed in a northerly direction to point A36, N. 1129933.7 metres with E. 694169.8 metres; then proceed in an easterly direction to point A37, N. 1129933.7 metres with E. 694669.8 metres. Proceed in a northerly direction to point A38, N. 1130183.7 metres with E. 694669.8 metres; then proceed in an easterly direction to point A39, N. 1130183.7 metres with E. 695169.8 metres. Proceed in a northerly direction to point A40, N. 1131183.7 metres with E. 695169.8 metres; then proceed in an easterly direction to point A25, N. 1131183.7 metres with E. 695419.8 metres. Proceed in a northerly direction to point A26, N. 1132433.7 metres with E. 695419.8 metres; then proceed in an easterly direction to point A263, N. 1132433.7 metres with E. 695669.8 metres. Proceed in a south-easterly direction to point A264, N. 1129689.8 metres with E. 695923.0 metres; then proceed in a southerly direction to point A246, N. 1126915.8 metres with E. 695937.0 metres. Proceed in an easterly direction to point A247, N. 1126941.8 metres with E. 700974.0 metres; then proceed in a southerly direction to point A248, N. 1126722.9 metres with E. 700973.9 metres. Proceed in a south-westerly direction to point A24, N. 1121151.8 metres with E. 688961.5 metres; then proceed in a northerly direction to point A10, N. 1122235.7 metres with E. 688985.9 metres. Proceed in an easterly direction to point A9, N. 1122241.7 metres with E. 690129.9 metres; then proceed in a northerly direction to point A8, N. 1123251.7 metres with E. 690152.9 metres. Proceed in an easterly direction to point A249, N. 1123269.7 metres with E. 691531.9 metres; then proceed in a northerly direction to point A5, N. 1125523.7 metres with E. 691509.9 metres. Proceed in a westerly direction to point A64, N. 1125506.7 metres with E. 688166.9 metres; then proceed in a northerly direction to point A7, N. 1125692.7 metres with E. 688165.9 metres. Proceed in a westerly direction to point A6, N. 1125677.7 metres with E. 687338.9 metres; then proceed in a southerly direction to point A13, N. 1122519.7 metres with E. 687332.9 metres. Proceed in a westerly direction to point A16, N. 1122509.8 metres with E. 685189.5 metres. Proceed in a southerly direction to point A238, N. 1121951.1 metres with E. 685181.9 metres and then in a westerly direction to point A15, N. 1121963.5 metres with E. 684056.9 metres. Proceed in a southerly direction to point A18, N. 1121100.5 metres with E. 684050.3 metres and then in a westerly direction to point A19, N. 1121105.8 metres with E. 683539.9 metres. Proceed in a southerly direction to point A20, N. 1120924.5 metres with E. 683540.9 metres and then in a westerly direction to point A21, N. 1120923.3 metres with E. 682156.8 metres. Proceed in a southerly direction to point A22, N. 1120599.0 metres with E. 682154.6 metres and then in a westerly direction to point A22a, N. 1120594.4 metres with

E. 681500.5 metres. Proceed in a southerly direction to point A239, N. 1120538.9 metres with E. 681500.9 metres and then in a north-westerly direction along the eastern side of the Moreau Road No. 1 to point A202, N. 1120577.8 metres with E. 681432.1 metres. Proceed in a north-westerly direction along the eastern side of the Moreau Road No. 1 to point A203, N. 1120684.9 metres with E. 681382.8 metres and then in a north-easterly direction along the eastern side of the Moreau Road No. 1 to point A204, N. 1120809.5 metres with E. 681382.2 metres. Proceed in a north-westerly direction along the eastern side of the Moreau Road No. 1 to point A205, N. 1120929.3 metres with E. 681319.9 metres. Proceed in a northerly direction along the eastern side of the Moreau Road No. 1 to point A205a, N. 1121046.0 metres with E. 681318.8 metres and then in a north-easterly direction along the eastern side of the Moreau Road No. 1 to point A206, N. 1121112.7 metres with E. 681345.7 metres. Proceed in a north-westerly direction along the eastern side of the Moreau Road No. 1 to point A207, N. 1121308.5 metres with E. 681269.1 metres and then in a north-easterly direction along the eastern side of the Moreau Road No. 1 to intersect the Penal Rock Road at point A240, N. 1121477.0 metres with E. 681304.0 metres. Proceed in a north-westerly direction along the northern side of the Penal Rock Road to point A241, N. 1121758.3 metres with E. 679161.9 and then in a northerly direction to point A242, N. 1122792.7 metres with E. 679155.9 metres. Proceed in an easterly direction to point A243, N. 1122795.4 metres with E. 679608.1 metres. Proceed in a southerly direction to point A244, N. 1122655.6 metres with E. 679608.9 metres and then in an easterly direction to point A245, N. 1122666.3 metres with E. 682680.6 metres. Proceed in a north-easterly direction to point A216, N. 1123430.5 metres with E. 684470.8 metres and then in a southerly direction to point A201a, N. 1123324.9 metres with E. 684471.6 metres. Proceed in an easterly direction to point A201, N. 1123325.9 metres with E. 684609.0 metres and then in a southerly direction to point A200, N. 1123152.7 metres with E. 684610.4 metres. Proceed in a westerly direction to point A199, N. 1123152.5 metres with E. 684573.0 metres and then in a southerly direction to point A198, N. 1122954.3 metres with E. 684574.0 metres. Proceed in an easterly direction to point A197, N. 1122954.9 metres with E. 684693.2 metres and then in a southerly direction to point A196, N. 1122833.3 metres with E. 684693.8 metres. Proceed in an easterly direction to point A184, N. 1122836.2 metres with E. 685089.7 metres and then in a north-easterly direction to point A172, N. 1122844.1 metres with E. 685216.6 metres. Proceed in a south-easterly direction to point A171, N. 1122800.3 metres with E. 685287.7 metres and then in a south-westerly direction to point A170, N. 1122751.8 metres with E. 685216.0 metres. Proceed in a south-easterly direction to point A169, N. 1122734.2 metres with E. 685282.1 metres and then in a south-easterly direction to point A168, N. 1122681.3 metres with E. 685355.5 metres. Proceed in an easterly direction to point A156, N. 1122684.6 metres with E. 685714.1 metres and then in a northerly direction to point A155, N. 1122803.0 metres with E. 685713.4 metres. Proceed in a westerly direction to point A154, N. 1122801.7 metres with E. 685497.3 metres; then proceed in a northerly direction to point A153, N. 1122902.2 metres with E. 685496.7 metres. Proceed in a westerly direction to point A250, 1122902.5 metres with E. 685358.4 metres and then in a northerly direction to point A152, N. 1123055.9 metres with E. 685368.8 metres. Proceed in a westerly direction to point A151, N. 1123055.9 metres with E. 685345.3 metres and then in a northerly direction to point A150, N. 1123167.5 metres with E. 685345.3 metres. Proceed in a westerly direction to point A149, N. 1123191.6 metres with

E. 685283.2 metres. Then proceed in northerly direction to point A148, N. 1123393.9 metres with E. 685282.1 metres. Proceed in a westerly direction to point A147, 1123457.5 metres with E. 685218.9 metres. Then proceed in a north-westerly direction along Edward Trace, then along Moruga Road to point A146, N. 1123490.0 metres with E. 685264.6 metres. Proceed in an easterly direction to point A145, N. 1123491.2 metres with E. 685497.5 metres. Proceed in a northerly direction to point A113, N. 1123571.7 metres with E. 685497.1 metres and then in a westerly direction to point A118, N. 1123571.6 metres with E. 685481.4 metres. Proceed in a northerly direction to point A144, N. 1123652.3 metres with E. 685481.0 metres and then in an easterly direction to point A143, N. 1123653.1 metres with E. 685651.0 metres. Proceed in a northerly direction to point A142, N. 1123800.0 metres with E. 685650.2 metres and then in a westerly direction to point A141, N. 1123805.8 metres with E. 685530.9 metres. Proceed in a northerly direction to point A140, N. 1123890.1 metres with E. 685565.0 metres. Proceed in an easterly direction to point A138, N. 1123890.6 metres with E. 685666.4 metres and then in a northerly direction to point A139, N. 1124041.5 metres with E. 685665.6 metres. Proceed in a westerly direction to point A136, N. 1124041.1 metres with E. 685591.0 metres. Then proceed in a northerly direction to point A137, N. 1124155.8 metres with E. 685590.4 metres. Proceed in a westerly direction to point A134, N. 1124155.5 metres with E. 685545.1 metres then in a northerly direction to point A135, N. 1124246.9 metres with E. 685526.9 metres. Then proceed in an easterly direction to point A132, N. 1124236.0 metres with E. 685614.1 metres. Proceed in a northerly direction to point A133, N. 1124316.0 metres with E. 685613.7 metres and then in an easterly direction to point A130, N. 1124316.2 metres with E. 685645.9 metres. Proceed in a northerly direction to point A129, N. 1124406.5 metres with E. 685645.4 metres. Proceed in a westerly direction to point A131, N. 1124406.2 metres with E. 685586.1 metres and then in a northerly direction to point A128, N. 1124496.7 metres with E. 685585.6 metres. Proceed in a westerly direction to point A127, N. 1124495.5 metres with E. 685343.0 metres and then in a northerly direction to point A85, N. 1124743.7 metres with E. 685338.4 metres. Proceed in a south-westerly direction to point A125, N. 1124742.3 metres with E. 685281.0 metres then in a north-easterly direction to point A251, N. 1124872.6 metres with E. 685330.7 metres. Then continue in a north-easterly direction to point A119, N. 1124900.7 metres with E. 685369.7 metres. Proceed in a north-easterly direction to point A120, N. 1124932.7 metres with E. 685394.9 metres. Proceed in a north-easterly direction to point A121, N. 1124980.3 metres with E. 685406.3 metres. Proceed in an easterly direction to point A122, N. 1124980.8 metres with E. 685506.9 metres. Proceed in a northerly direction to point A123, N. 1125186.0 metres with E. 685505.8 metres then in a westerly direction to point A124, N. 1125184.3 metres with E. 685171.6 metres. Proceed in a southerly direction to point A126, N. 1125139.0 metres with E. 685171.9 metres and then a south-easterly direction to point A115, N. 1125097.3 metres with E. 685120.5 metres. Proceed in a westerly direction to point A116, N. 1125100.0 metres with E. 684690.0 metres. Proceed in a northerly direction to point A117, N. 1125262.0 metres with E. 684688.7 metres and then in an easterly direction to point A93, N. 1125262.9 metres with E. 684831.3 metres. Proceed in a northerly direction to point A110, N. 1125353.2 metres with E. 684830.7 metres then in an easterly direction to point A111, N. 1125353.8 metres with E. 684922.3 metres. Proceed in a northerly direction to point A112, N. 1125436.9 metres with



E. 684921.8 metres. Proceed in an easterly direction to point A91, N. 1125438.4 metres with E. 685153.1 metres and then in a northerly direction along the Moruga Road to point A252, N. 1125949.4 metres with E. 685172.1 metres. Then proceed in a westerly direction to point A84, N. 1125944.7 metres with E. 684455.4 metres. Proceed in a northerly direction to point A83, N. 1126128.1 metres with E. 684454.6 metres. Proceed in a westerly direction to point A82, N. 1126125.5 metres with E. 684056.4 metres. Proceed in a southerly direction to point A253, N. 1124919.0 metres with E. 684063.8 metres. Proceed in a westerly direction to point A254, N. 1124904.3 metres with E. 681640.9 metres. Proceed in a southerly direction to point A255, N. 1124723.5 metres with E. 681642.5 metres. Proceed in a westerly direction to point A256, N. 1124713.3 metres with E. 679888.5 metres and then in a southerly direction to point A257, N. 1124166.7 metres with E. 679891.7 metres. Proceed in a westerly direction to point A258, N. 1124326.0 metres with E. 677696.2 metres; then proceed in a northerly direction to point A258a, N. 1124326.0 metres with E. 677687.9 metres; then continue in a north-westerly direction to point A259, N. 1125576.7 metres with E. 677048.8 metres. Proceed in a north-easterly direction to point A260, N. 1130918.8 metres with E. 684957.9 metres then continue in a north-easterly direction to point A261, N. 1131739.8 metres with E. 687628.9 metres, said point being the point of commencement.

#### EXCLUDED ACREAGE

All that portion of land located in the Wards of Moruga and Savanna Grande comprising approximately twenty-three hectares (23 ha.) [fifty-seven acres (57 a.)]. The said area is bounded by the UTM WGS 84 co-ordinates as set out hereunder:

Commencing at point A267, said point being located at the intersection of WGS 84 co-ordinates N. 1126714.5 metres with E. 684512.3 metres; proceed in an easterly direction to point A68, N. 1126724.7 metres with E. 684984.7 metres. Proceed in a southerly direction to point A268, N. 1126689.8 metres with E. 684987.6 metres; then proceed in a westerly direction to point A69, N. 1126675.9 metres with E. 684508.6 metres. Proceed in a northerly direction to point A267, said point being the point of commencement.

Commencing at point A269, said point being located at the intersection of WGS 84 co-ordinates N. 1126449.4 metres with E. 685412.2 metres; proceed in an easterly direction to point A76, N. 1126451.3 metres with E. 685844.2 metres. Proceed in a southerly direction to point A75, N. 1126421.0 metres with E. 685844.4 metres; then proceed in an easterly direction to point A74, N. 1126422.5 metres with E. 686138.5 metres. Proceed in a southerly direction to point A73, N. 1126334.8 metres with E. 686139.0 metres; then proceed in an easterly direction to point A72, N. 1126335.4 metres with E. 686275.5 metres. Proceed in a southerly direction to point A71, N. 1126229.4 metres with E. 686276.0 metres; then proceed in a westerly direction to point A81, N. 1126226.7 metres with E. 685717.6 metres. Proceed in a southerly direction to point A70, N. 1126101.2 metres with E. 685718.3 metres; then proceed in a westerly direction to point A270, N. 1126098.2 metres with E. 685140.6 metres. Proceed in a northerly direction along the boundary of the Moruga North Field to point A77, N. 1126225.4 metres with E. 685154.0 metres; then proceed in an easterly direction to point A80, N. 1126228.0 metres with E. 685651.2 metres. Proceed in a northerly direction to point A79, N. 1126342.0 metres with E. 685650.6 metres; then proceed in a westerly direction to point A78, N. 1126340.8 metres with E. 685412.8 metres. Proceed in a northerly direction back to point A269, said point being the point of commencement.

## BLOCK SM2

All that portion of land located in the Ward of Moruga delineated and coloured green in the Map marked "ANNEX A" comprising approximately eight hundred and eighty-one hectares (881 ha) [two thousand one hundred and seventy-seven acres (2177a)]. The said area is bounded by the UTM WGS 84 co-ordinates as set out hereunder:

Commencing at point A1, said point being located at the intersection of WGS 84 co-ordinates N. 1120382.7 metres with E. 687145.9 metres; proceed in a northerly direction to point A11, N. 1120786.7 metres with E. 687147.9 metres. Proceed in a westerly direction to point A12, N. 1120766.7 metres with E. 685114.9 metres. Proceed in a southerly direction to point A14, N. 1120194.7 metres with E. 685122.9 metres and then in a westerly direction to point A17, N. 1120168.7 metres with E. 683213.9 metres. Proceed in a southerly direction to point A23, N. 1119714.1 metres with E. 683220.3 metres and then in a westerly direction to point A65, N. 1119696.9 metres with E. 681602.7 metres. Proceed in a south-westerly direction to point A210, N. 1119635.9 metres with E. 681542.0 metres. Then proceed in south-westerly direction to point A208, N. 1119575.2 metres with E. 681505.0 metres. Proceed in a north-westerly direction to point A209, N. 1119605.3 metres with E. 681474.1 metres. Then proceed in a south-westerly direction along the eastern side of the Moreau Main Road to point A4, N. 1118564.7 metres with E. 681057.0 metres. Proceed in a south-westerly direction to point A3, N. 1117513.2 metres with E. 679569.4 metres. Proceed in a southerly direction to point A3a, N. 1117444.2 metres with E. 679569.7 metres. Proceed in a southerly direction to point A2, N. 1116899.6 metres with E. 679572.4 metres. Proceed in a north-easterly direction back to point A1, said point being the point of commencement.

## BLOCK SM3

All that portion of land located in the Ward of Siparia delineated and coloured green in the Map marked "ANNEX A" comprising approximately three thousand nine hundred and twenty-eight hectares (3928 ha) [Nine thousand seven hundred and six acres (9706 a)]. The said area is bounded by the UTM WGS 84 co-ordinates as set out hereunder:

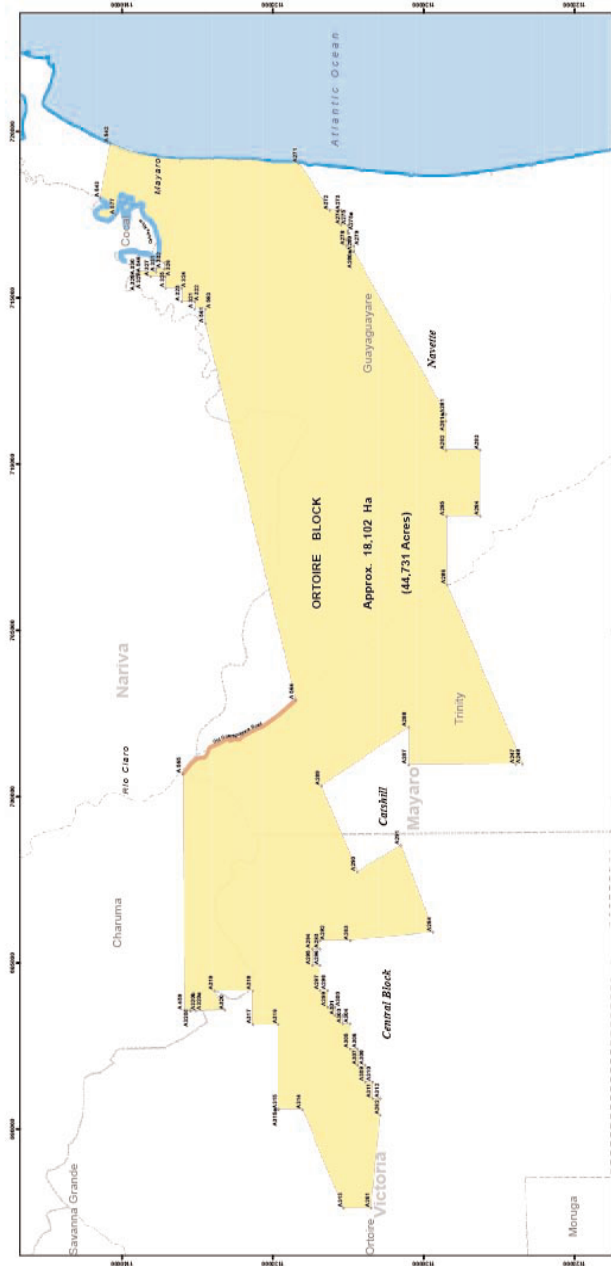
Commencing at point A212, said point being located at the intersection of WGS 84 co-ordinates N. 1114736.3 metres with E. 672662.0 metres; proceed in a north-westerly direction to point A213, N. 1116620.6 metres with E. 667014.8 metres. Proceed in a northerly direction to point A214, N. 1119424.7 metres with E. 667004.8 metres. Proceed in a north-easterly direction to point A215, N. 1122869.7 metres with E. 676337.8 metres and then in a southerly direction to point A215a, N. 1122835.7 metres with E. 676336.0 metres. Proceed in a southerly direction to point A109, N. 1122487.1 metres with E. 676337.8 metres and then in a westerly direction to point A106, N. 1122486.6 metres with E. 676238.6 metres. Proceed in a southerly direction to point A107, N. 1121630.0 metres with E. 676243.3 metres and then in a westerly direction to point A108, N. 1121622.7 metres with E. 674850.3 metres. Proceed in a northerly direction to point A218, N. 1121695.1 metres with E. 674849.9 metres and then in a westerly direction to point A94, N. 1121693.6 metres with E. 674565.5 metres. Proceed in a southerly direction to point A95, N. 1120770.8 metres with E. 674569.3 metres and then in an easterly direction to point A102, N. 1120776.1 metres with E. 675571.9 metres. Proceed in a southerly direction to point A229, N. 1119885.1 metres with E. 675576.8 metres and then in a south-westerly direction to point A227, N. 1119853.5 metres with E. 675488.8 metres. Proceed in a north-westerly direction to point A228, N. 1119865.2 metres with E. 675369.8 metres and then in a north-westerly direction to point A226, N. 1119885.6 metres with E. 675314.6 metres. Proceed in a north-westerly direction to point A232g, N. 1119919.0 metres with E. 675273.4 metres and then in a south-westerly direction to point A232f, N. 1119915.9 metres with E. 675245.9 metres. Proceed in a westerly direction to point A 232e, N. 1119915.9 metres with E. 675238.9 metres and then in a north-westerly direction to point A232d, N. 1119924.9 metres with E. 675153.3 metres. Proceed in a

south-westerly direction to point A232c, N. 1119912.4 metres with E. 675132.4 metres and then in a south-westerly direction to point A232b, N. 1119878.3 metres with E. 675112.4 metres. Proceed in a north-westerly direction to point A232a, N. 1119880.8 metres with E. 675090.7 metres and then in a south-westerly direction to point A232, N. 1119822.5 metres with E. 675063.2 metres. Proceed in a south-westerly direction to point A233, N. 1119781.4 metres with E. 675038.5 metres and then in a south-westerly direction to point A234, N. 1119759.8 metres with E. 674986.9 metres. Proceed in a north-westerly direction to point A235, N. 1119761.6 metres with E. 674943.3 metres and then in a north-westerly direction to point A236g, N. 1119789.7 metres with E. 674900.2 metres. Proceed in a north-westerly direction to point A236f, N. 1119794.5 metres with E. 674896.5 metres and then in a northerly direction to point A236e, N. 1119797.8 metres with E. 674896.5 metres. Proceed in a north-easterly direction to point A236d, N. 1119847.7 metres with E. 674906.3 metres and then in a north-westerly direction to point A236c, N. 1119850.1 metres with E. 674904.8 metres. Proceed in a north-westerly direction to point A236b, N. 1119851.5 metres with E. 674901.2 metres and then in a north-westerly direction to point A236a, N. 1119854.7 metres with E. 674877.2 metres. Proceed in a north-westerly direction to point A236, N. 1119876.4 metres with E. 674867.0 metres and then in a southerly direction to point A237, N. 1119719.1 metres with E. 674867.9 metres. Proceed in a westerly direction to point A104, N. 1119718.6 metres with E. 674776.6 metres and then in a southerly direction to point A222, N. 1119578.4 metres with E. 674777.3 metres. Proceed in a westerly direction to point A221, N. 1119577.8 metres with E. 674660.6 metres and then in a southerly direction to point A223, N. 1119548.0 metres with E. 674660.8 metres. Proceed in a westerly direction to point A224, N. 1119547.6 metres with E. 674578.5 metres and then in a southerly direction to point A225b, N. 1119219.7 metres with E. 674580.2 metres. Proceed in a westerly direction to point A225a, N. 1119219.6 metres with E. 674570.1 metres and then in a northerly direction to point A225, N. 1119393.0 metres with E. 674569.2 metres. Proceed in a westerly direction to point A101, N. 1119392.4 metres with E. 674452.6 metres and then in a southerly direction to point A100, N. 1118281.8 metres with E. 674458.4 metres. Proceed in a westerly direction to point A99, N. 1118279.4 metres with E. 674000.9 metres and then in a northerly direction to point A98, N. 1119117.1 metres with E. 673996.5 metres. Proceed in a westerly direction to point A96, N. 1119114.8 metres with E. 673556.6 metres and then in a southerly direction to point A97, N. 1117674.6 metres with E. 673564.2 metres. Proceed in an easterly direction to point A97a, N. 1117675.0 metres with E. 673636.0 metres and then in a southerly direction to point A185, N. 1117537.8 metres with E. 673636.7 metres. Proceed in a north-easterly direction to point A186a, N. 1117630.5 metres with E. 674151.1 metres and then in an easterly direction to point A186, N. 1117630.8 metres with E. 674207.0 metres. Proceed in a southerly direction to point A187, N. 1116078.6 metres with E. 674208.3 metres and then in a south-westerly direction to point A188, N. 1115812.0 metres with E. 673544.1 metres. Proceed in a south-westerly direction to point A211, N. 1115678.0 metres with E. 672669.9 metres and then in a southerly direction back to point A212, said point being the point of commencement.

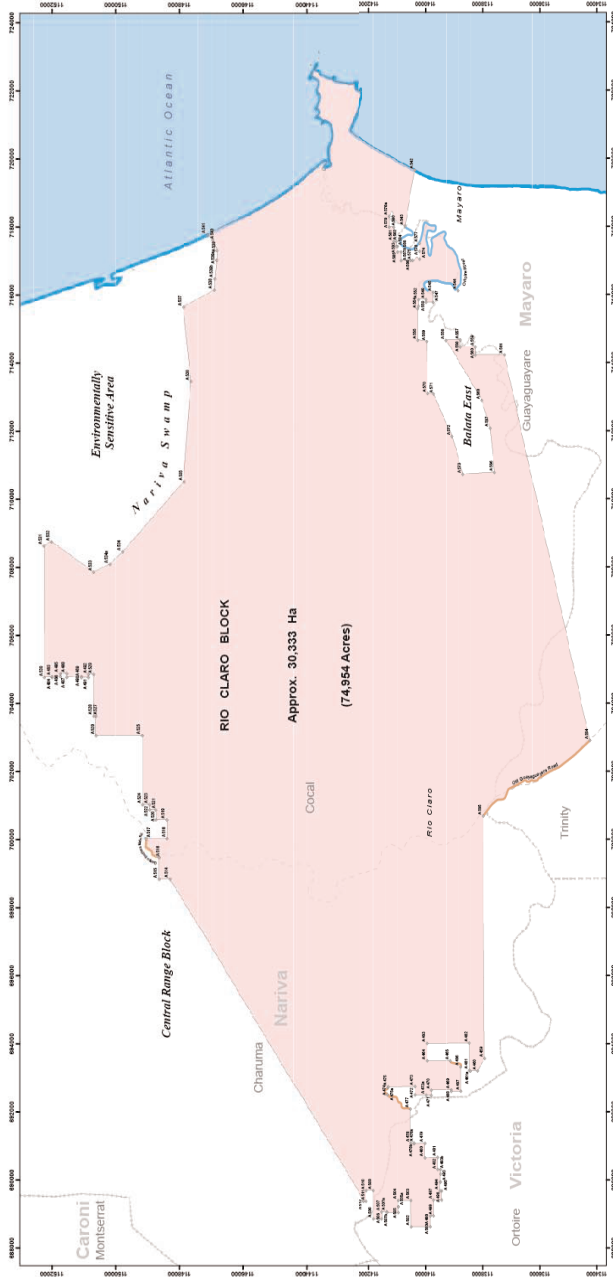
SCHEDULE II

[Clause 2(2)]

Map illustrating Ortoire



Map illustrating Rio Claro Block





SCHEDULE III

[Clause 7(a)]

DECLARATION TO BE MADE BY A DULY AUTHORIZED  
REPRESENTATIVE OF THE COMPANY

Company Name

Address

I, \_\_\_\_\_, of \_\_\_\_\_ in  
the (city/town)

do solemnly declare that (X company) has accepted the provisions of the Exploration and Production Licence, 2013 for Onshore Areas and all its Annexes having analysed all its terms and conditions for submission of a response to the call for tender contained in the Petroleum Regulations (Onshore Competitive Bidding) Order, 2013. (X company), is therefore prepared to execute said Licence without additions or erasures, exceptions being the bid items submitted and accepted in response to the tender.

And I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as I made under oath.

**Commissioner for Oaths/Notary Public**

Declared before me at the .....

of .....

in the ....., this .....

day of ..... A.D., 2 .....

.....

A Commissioner for Oaths/Notary Public for the  
(print or stamp name here)

My Appointment Expires: .....

(must be legibly printed or stamped) .....

SCHEDULE IV

[Clause 7(b)]

ORTOIRE BLOCK BID FORM

1. Acquisition of Gravity and Magnetic Data

Bidder to indicate whether it undertakes to acquire high resolution gravity and magnetic data over the entire Block as part of the Minimum Work Programme under the Licence and the Carried Obligations under the JOA.

Yes  No

2. Acquisition and Processing of Seismic Data

Bidders to state the area in line or square kilometres (km<sup>2</sup>) of 2D Seismic or full fold coverage of 3D Seismic respectively, it will be obligated to acquire and process as part of the Minimum Work Programme under the Licence and the Carried Obligations under the JOA.

Bid Proposal (line km<sup>2</sup>)

In Figures: .....

In Words: .....

Type of Data

2D  3D

3. Geological Studies

Bidder to indicate the studies it will be obligated to undertake and complete as part of the Minimum Work Programme under the Licence and the Carried Obligations under the JOA by ticking the relevant boxes:

- (a) Sedimentology
- (b) Structural Analysis
- (c) Maturation and Migration Studies
- (d) Petrophysical analysis of surrounding wells
- (e) Geochemistry

4. Drilling Obligation

Bidder to state the number and total vertical depth of wells feet it will be obligated to drill for as part of the Minimum Work Programme under the Licence and the Carried Obligations under the JOA.

No. of Wells

In Figures: .....

In Words: .....





BID FORMS

RIO CLARO BLOCK BID FORM

1. Reprocessing of Existing 3D Seismic Data

Bidder to state the area in square kilometres (km<sup>2</sup>) of existing 3D Seismic data to be reprocessed using modern processing techniques (e.g., FWI, CRS, etc.) it will be obligated to perform as part of the Minimum Work Programme under the Licence and the Carried Obligations under the JOA.

Bid Proposal (km<sup>2</sup>)

In Figures: .....

In Words: .....

2. Acquisition and Processing of Seismic Data

Bidders to state the amount in line kilometres (km) of 2D Seismic it will be obligated to acquire and process as part of the Minimum Work Programme under the Licence and the Carried Obligations under the JOA.

Bid Proposal (line km)

In Figures: .....

In Words: .....

3. Acquisition of Gravity and Magnetic Data

Bidder to indicate whether it undertakes to acquire high resolution gravity and magnetic data over the entire Block as part of the Minimum Work Programme under the Licence and the Carried Obligations under the JOA.

YES  NO

4. Geological Studies

Bidder to indicate the studies it will be obligated to undertake and complete as part of the Minimum Work Programme under the Licence and the Carried Obligations under the JOA by ticking the relevant boxes:

(a) Sedimentology

(b) Structural Analysis



ST. MARY'S BLOCK BID FORM

1. Acquisition of Gravity and Magnetic Data

Bidder to indicate whether it undertakes to acquire high resolution gravity and magnetic data over the entire Block as part of the Minimum Work Programme under the Licence and the Carried Obligations under the JOA.

YES  NO

2. Acquisition and Processing of Seismic Data

Bidders to state the area in line or square kilometres (km<sup>2</sup>) of 2D Seismic or full fold coverage of 3D Seismic respectively, it will be obligated to acquire and process as part of the Minimum Work Programme under the Licence and the Carried Obligations under the JOA.

Bid Proposal (line km or km<sup>2</sup>)

In Figures: .....

In Words: .....

Type of Data

2D  3D

3. Geological Studies

Bidder to indicate the studies it will be obligated to undertake and complete as part of the Minimum Work Programme under the Licence and the Carried Obligations under the JOA by ticking the relevant boxes.

- (a) Sedimentology
- (b) Structural Analysis
- (c) Maturation and Migration Studies
- (d) Petrophysical analysis of surrounding wells
- (e) Geochemistry



SCHEDULE V

[Clause 7(c)]

REVENUE/DATA USED IN COMMERCIAL EVALUATION

All amounts should be in constant 2013 US\$

Year	Exploration Cost (\$M)	Assuming Discovery			Assuming Development				
		Evaluation Cost	Development Cost	Production Cost	(a)	(b)	(a)	(b)	Gross Income (\$M)
					Crude Oil Production (mmbbl)	Crude Oil Price (\$/bbl)	Natural Gas Production (Bcf)	Natural Gas Price	
2013									
2014									
2015									
2016									
2017									
2018									
2019									
2020									
2021									
2022									
2023									
2024									
2025									
2026									
2027									
(Please insert rows and further sheets if required)									
<b>TOTAL</b>									

- (a) Estimated value of development costs, production costs and production assuming development.
- (b) Estimated value for evaluation purposes.

SCHEDULE VI

[Clause 9(b)]

ONSHORE COMPETITIVE BIDDING ORDER, 2013  
POINT SYSTEM FOR USE IN THE EVALUATION OF BIDS RECEIVED

EVALUATION CRITERIA

1. Geological and Geophysical (G&G)

The following table will be used to award Points for each Block as indicated with the maximum Points as shown in the table:

G&G Biddable Items	Rio Claro Block		Ortoire and St. Mary's Blocks	
	Points per unit	Maximum points	Points per unit	Maximum points
Reprocess 3D seismic data using modern processing techniques (for example, FWI, CRS, etc.)	0.1 per km <sup>2</sup>	25	0 per km <sup>2</sup>	0
Acquire high resolution gravity and magnetic data over entire block	10	10	10	10
Acquire and process 2D seismic  OR	0.10 per line km	15	0.125 per line km	20
Acquire and process full fold 3D seismic	0 per km <sup>2</sup>	0	0.4 per km <sup>2</sup>	40
Other Geological studies related to the Block including studies on sedimentology, structural analysis, maturation and migration, petrophysical analysis of surrounding wells and geochemistry.	2 per study	10	2 per study	10

## 2. Drilling Obligation

This applies to all blocks. Points will be awarded for the cumulative depth of the wells bid according to the following table (Maximum 100 Points):

Cumulative footage			
	Depth (ft)*	Depth (m)*	Points
1	1000	305	3.125
2	2000	610	6.250
3	3000	915	9.375
4	4000	1220	12.500
5	5000	1524	15.625
6	6000	1829	18.750
7	7000	2134	21.875
8	8000	2439	25.000
9	9000	2744	28.125
10	10000	3049	31.250
11	11000	3354	34.375
12	12000	3659	37.500
13	13000	3963	40.625
14	14000	4268	43.750
15	15000	4573	46.875
16	16000	4878	50.000
17	17000	5183	53.125
18	18000	5488	56.250
19	19000	5793	59.375
20	20000	6098	62.500
21	21000	6402	65.625
22	22000	6707	68.750
23	23000	7012	71.875
24	24000	7317	75.000
25	25000	7622	78.125
26	26000	7927	81.250
27	27000	8232	84.375
28	28000	8537	87.500
29	29000	8841	90.625
30	30000	9146	93.750
31	31000	9451	96.875
32	32000	9756	100.000

\*Total Vertical Depth

Made this 6th day of May, 2013.

KEVIN C. RAMNARINE  
*Minister of Energy and Energy Affairs*