

Rupantarita Prakritik Gas Company Limited

(A Company of Petrobangla)

Invitation Ref. No. 28.19.0000.701.46.010.17/680

Date: 15 January 2018

CLARIFICATION FOR FSRU AT PAYRA

| SL. No. | Question | Answer |
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| 1. | a. What is the physical co-ordinates of the proposed location? b. What is the water depth at the proposed location? Can Nautical charts be made available for the location? c. Will there be any dredging required since the port is on the river mouth? | Detail information would be provided in the RFP. |
| 2. | a. What is the status of the development of Payra Port? | Payra port is under development by different authority. |
| 3. | a. What is the status of development of Payra-Khulna pipeline? b. Has the Right of Way been obtained or the land acquisition completed? c. Has any EPC contract been awarded? | Gas Transmission Company Limited (GTCL), a company of Petrobangla is working on Payra – Khulna pipeline. The project team is aware of the FSRU project timeline and expediting the matters related to Right of Way and EPC contracting. |
| 4. | a. Has any EIA been done for this project? b. Is there any environmental issues that the bidders should be aware of? | No EIA has been done. The terminal co. need to carry out the EIA study. |
| 5. | a. Can new participants join the Pre-Qualified Applicant(s) or Pre-Qualified Consortium / JV? b. Can one Applicant which is a member of a Pre-Qualified Consortium or JV join another Pre-Qualified Applicant or Pre-Qualified Consortium to submit the final bid? | To be detailed in the RFP. |
| 6. | What is the non-refundable processing fee? USD 1000 (refer to Section II-H #4.4) or USD 5000 (refer Section I #20)? Pls kindly clarify how much the Applicant needs to wire transfer as the processing fee. It looks like that there is the difference in processing fee amount. It was noted that the processing fee is 5,000 USD in page 2 and the processing fee is 1,000 USD in page 23 | USD 5,000 (BDT 4, 25,000) |
| 7. | Four (4) Tug boats required for FSRU, Who will provide the tug boats? Terminal company or port authority? Are these capacity tugs are available in Mongla port? | Terminal Co. will arrange necessary Tug services. This would be detailed in the RFP document. |
| 8. | Will the port service vessel daily rent basis? | Terminal co. will arrange port service vessel. Detailed will be |

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| | | provided in the RFP. |
| 9. | The gas transmission pipeline starts from which point in shore line side? | Details will be provided in the RFP. |
| 10. | If the gas delivery is hampered due to rough sea condition or any unexpected situation, will PetroBangla continue to pay fees to terminal company? | Details will be provided in the RFP. |
| 11. | In ANNEX A-2: B: financial criteria: (2)a and b; We have attached calculation demo for the tables. Please, check this calculation as it is Ok or not? | The evaluation committee can confirm such calculation. As such at this stage we can't confirm the calculation is ok or not |
| 12. | Pls kindly clarify what the indicative completion date of June, 2019 in page 2 means? Does it mean the signing date of Project Agreements or the selection of the successful bidder or the completion of FSRU? | We are expecting signing of the Project agreements with the Terminal Co. by 1 st half of 2018. The project commercial operation date is June 2019 |
| 13. | Pls advise us of the estimated completion date of FSRU and associated facilities? | COD: June 2019 |
| 14. | Please clarify if any fuel alternatives is considered in case of LNG unloading weather restrictions? | To be detailed in the RFP. |
| 15. | As per the minimum equity portion of Lead Member, it is indicated that the Lead Member shall hold at least 40% of consortium or J/V. To enhance and address the competition from the market, pls kindly clarify whether the equity requirement of Lead member is allowed to be flexible either without the minimum equity portion or by reducing the minimum equity portion to 25%? | Equity requirement for Lead member remains unchanged. |
| 16. | As per the minimum equity portion of Operating Member, it is indicated that the Operating Member shall hold at least 40% of consortium or J/V. To enhance and address the competition from the market, pls kindly clarify whether the equity requirement of Operating member is allowed to be flexible either without the minimum equity portion or by reducing the minimum equity portion to 5%? | Equity requirement for Operating member remains unchanged. |
| 17. | As per the definition of Operating Member, it is indicated that the Operating Member can meet the requirement of Section 3 (technical criteria) only with another member who holds at least 20% of equity. To enhance and address the competition from the market, pls kindly clarify whether it is acceptable for the Operating Member to meet the requirement of Section 3 with any member | Equity requirement for Operating member remains unchanged. |

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| | regardless of equity holding portion? | |
| 18. | Does a Consortium/JV have to be formally and legally formed at the EOI stage? | Yes. |
| 19. | Pls kindly clarify whether the Pre-qualified Applicant is allowed to form the consortium or J/V together with other Pre-qualified Applicants after PQ stage? | Provision remains unchanged. |
| 20. | As per the Applicant's financial experience, it is indicated that the only project where the Applicant has or had the interest of not less than 40% of equity would qualify. To enhance and address the competition from the market, pls clarify whether it is acceptable for the minimum equity portion of eligible project to be reduced to 20% in equity? | Provision remains unchanged. |
| 21. | Pls kindly allow the Applicants to submit the audited balance sheets by April 30, 2018 as part of conditions subsequent. Under Korean accounting R&R, Korean companies are obliged to announce its financial statement for preceding fiscal year publicly by the end of March and the latest English audited report can be provided by April, 2018. | Applicant may deliver audited balance sheet of earliest year and provisional balance sheet for the current year. |
| 22. | As per the Applicant's operating experience, it is indicated that the only project where the Applicant has or had the interest of not less than 40% of equity would qualify. To enhance and address the competition from the market, pls clarify whether it is acceptable for the minimum equity portion of eligible Project to be reduced to 20% in equity? | PQ Provision remains unchanged |
| 23. | As per the Applicant's development experience, it is indicated that the only project where the Applicant has or had the interest of not less than 40% of equity would qualify. To enhance and address the competition from the market, pls clarify whether it is acceptable for the minimum equity portion of eligible project to be reduced to 20% in equity? | PQ Provision remains unchanged. |
| 24. | Pls kindly clarify whether the technology option is open? Only FSRU concept is allowed or FSU + Regas on jetty can be acceptable solution? //Quote// The FSRU to be new built having storage capacity... 1.1 Complete offshore floating LNG receiving terminal to supply 1,000 | Detail would be provided in the RFP. |

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| | MMSCFD gas... //Unquote// | |
| 25. | Pls kindly describe in more detail 1) the onshore scope such as how far the interconnection point(GTCL receiving point) is 2) offshore scope such as the length of subsea pipeline, the necessity of offshore jetty (or turret mooring) and breakwater? | Detail would be provided in the RFP. |
| 26. | Pls kindly clarify whether the tender would include the Pre- FEED? | Detail would be provided in the RFP. |
| 27. | (Page 9) With respect to Section E. 4. LNG Supply , can Terminal Company be given an exclusive LNG Supply right (either partial or full) as part of this FSRU project development? | Petrobangla would be responsible for LNG supply. |
| 28. | (Page 8) Section E.1 The Physical Facilities of the Project mentions “The FSRU to be new-built having storage capacity of (260,000 m3 – QMAX class). What’s the definition of “new-built” FSRU? If there is an existing Q-max FSRU which was used just once, does it qualify as a “new-built” FSRU? | As per PQ provision, used FSRU will not be accepted. |
| 29. | (Page 8) With respect to Section E.1 The Physical Facilities of the Project , can Terminal Company provide 2 smaller FSRUs (around 135K CBM x 2) instead of one Q-max FSRU due to limited availability of Q-max size FSRU? Was there any specific reason Q-max size FSRU was requested this time? | Detail would be provided in the RFP. |
| 30. | (Page 6) With respect to Section B.3 Project Background , would RGPCL sign TUA guaranteeing offtake of entire re-gasified LNG from this project for entire 25 years so Terminal Company have no need to find any alternate off-taker? | Terminal company have no need to find any alternate off-taker. |
| 31. | (Page 6) With respect to Section B.5 Project Background , when is the “specified period” mentioned from the sentence from Article: “The Bidder/Terminal Company will be required to arrange the necessary financing and to execute the Project Agreements for the Project within the specified period ”? | Detail would be provided in the RFP document. However, the Terminal co will arrange and program disbursement for the project implementation and operation. |
| 32. | (Page 2) Notice Inviting EOI , Amended Indicative Completion Date is written as June, 2019. What is the significance of the date? When is the first date of LNG Supply to this project expected? | GoB would like to see the project has been implemented on a fast track basis. Petrobangla has signed LNG SPA and can deliver cargo to the terminal. |
| 33. | (Page 26) With respect to Annex A , could you please elaborate what is | We advise you to submit a certificate or letter from the gas off- |

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| | required for “Annex G: Certificate from the gas off-taker”? Would a letter from Terminal Company (or JV) stating there is a gas-offtake agreement suffice due to confidential nature of agreement with gas off-taker? | taker and as much information as possible. It is up to the discretion of the evaluation committee to evaluate the submission. |
| 34. | What will be the suggested/preferred coordinates of Tie-Point? | To be detailed in the RFP |
| 35. | What will be the preferred coordinates of the FSRU? | To be detailed in the RFP |
| 36. | Is there any preferred Mooring system of FSRU? | To be detailed in the RFP |
| 37. | Is there any feasibility study conducted by RPGCL and whether we can have a copy thereof? | To be detailed in the RFP |
| 38. | Whether the terminal company will get land adjacent to water front of Payra port to construct Jetty facilities for port service vessels and other related works? | To be detailed in the RFP |
| 39. | Since the project area is in Payra, so will there be any jurisdictions of Payra Port Authority on any activity of the project? | Yes. |
| 40. | Whether ongoing FSRU project can be considered as a 'hydrocarbon project' to qualify the financial and technical criteria? | As per the PQ, only the successfully completed projects would be considered. |
| 41. | Generation of Power using Hydrocarbon project? | Power generation may not be a Hydrocarbon project. |
| 42. | At 3. 1.1 of pre-qualifications document, is the reference to last 10 years relating to a new project that commenced operations within last 10 years (i.e. started up on/after 2007) or does it just refer to having owned/operated a terminal at some point in the last 10 years (but could have commenced operations much earlier than 10 years for ego in 2003/5)? | As per PQ provision. |
| 43. | Who needs to issue the certificate in <i>Annex G - Certificate from the gas offtaker?</i> | Gas Off-taker |
| 44. | Unlike other FSRU based terminals at Moheshkhali area, the Offshore Payra has a special requirement of long distance subsea pipeline as there is less sea draft near the shore line. From BP's initial bathymetric offshore survey near Payra, it appears that this subsea pipe line may be at least 60 km long from the shore line in order to avail required draft (15 meter) for a FSRU based LNG Terminal (in case of Moheshkhali 15 meter draft is available within 1 or 2 km from shore line), that makes this subsea pipeline itself a separate project for Payra area along with considerable investment. In view of the above, as the Payra Offshore LNG Terminal needs additional investment, in order to make this investment a viable | LNG supply is not included in the scope of work. |

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| | one, is it possible for the RPGCL or Government to make necessary provisions/amendments to this REOI in order to allow the Sponsor LNG Terminal developer to supply LNG to this terminal under a supply contract with Petrobangla? | |
| 45. | You require a Q max size of new-built FSRU. In general, it will take around more than 30 months for its EPC period and also need to consider feasibility study period. Given that, is it possible to change the date accordingly through discussion between you and bidder at later stage? | Project completion time is not changed. |
| 46. | May we understand 7.5 MTPA is correct as necessary capacity, instead of “5.5 MTPA” which is described in the word of & quot; Project & quot;? | Correct capacity is 7.5 mtpa |
| 47. | The construction of an approximately 150 km long gas transmission pipe line is responsible for GTCL. May we understand whole onshore gas pipeline EPC work will be in charge of GTCL? | GTCL is responsible for 150 km pipeline construction. |
| 48. | The Pre-Qualified bidders will be required to submit proposal based on RFP on 20 February 2018. How do you evaluate such proposal to be prepared before any feasibility study? | The RFP document will cover required information for the pre-qualified bidder. |
| 49. | Have you already done any feasibility study for this project? If so, please share it with us. If not, we need to conduct the study on our own but how would you treat the study in case this project would not be technically or commercially feasible? | Steps has been taken for some Studies. This would be shared in the RFP. |
| 50. | Is it available to use any historical met ocean, weather data, nautical chart etc from appropriate port authority near Payra, Patuakhali? | To be provided in the RFP. |
| 51. | This is a tolling structure and we understand we can receive daily fixed charge as “use or pay” basis, regardless of the volume of vaporization to be instructed by GTCL. | To be detailed in the RFP. |
| 52. | Kindly advise if you can consider alternative storage capacity at less than 260,000m3 Qmax class. If yes, kindly advise minimum tank capacity you can consider/accept. | Provision remains unchanged. |
| 53. | Kindly advice if you can consider alternative regas capacity at less than 1,000 MMSCFD. If yes, kindly advice minimum regas capacity you can consider/accept. | Provision remains unchanged. |
| 54. | Kindly advice if you can consider a converted FSRU as well as a new-built FSRU, and what is age restriction in case of a converted FSRU. | FSRU to be new built. Used vessel converted into FSRU cannot be accepted. |

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| 55. | Kindly advise if you can consider different types of terminal configuration, such as FSRU+FSU package solution that satisfy the project requirement on the package basis. | To be detailed in the RFP |
| 56. | With regard to "Indicative Completion Date (Month/Year): June, 2019", kindly clarify whether the date means "completion of bidding process", not "completion of commissioning of the Terminal." If it means "completion of bidding process", kindly advice a expected date for a commencement of commercial operation of the LNG Terminal. | To be detailed in the RFP. |
| 57. | Kindly clarify if the payment currency on TUA is USD or local currency. | To be detailed in the RFP |
| 58. | P.9 of PQ document, "4. LNG Supply", kindly clarify the meaning of the sentence; "The terminal company has to synchronize schedule of shipment, quantity of LNG on Delivery Ex-ship basis.", because responsibility of the terminal company is not clear. | Petrobangla will arrange LNG cargo. Terminal co. will advice terminal availability and cargo receipt schedule. To be detailed in the RFP. |
| 59. | Kindly advise where an interface point/onshore LNG terminal metering station will be located. We would like to know distance of onshore pipeline from shore side to the interface point, understand which shall be the terminal company's scope of work. | This could be at the outlet of the FSRU or the tie-in point. The provision will be clarified in the RFP. |
| 60. | Can you consider an alternative solution that is to install small scale FSRU in upriver of Payra and LNG to be transported by small scale LNGC to the upriver of Payra? | Not included in the present scope of this project. |
| 61. | Understand that the terminal company shall arrange dedicated port service vessels, could you advise what kind of contractual structure will be expected for the arrangement of port service vessels by the terminal company? | To be detailed in the RFP. |
| 62. | Kindly advise tender schedule and tender requirement for LNG supply. Can we consider to offer package solution including LNG supply? | LNG supply is not included in this project. |
| 63. | Could you advise to which bank(s) you are discussing financing for this project? | The project is on BOOT basis. The Terminal co. have to arrange finance. Detail will be provided in the RFP. |
| 64. | For a FSRU, kindly advise if the terminal company can lease in a FSRU (time charter in), not owning. | To be detailed in the RFP. |
| 65. | The Indicative completion date RPGCL proposed is June 2019, but it seems impossible to complete the construction of new-build FSRU, because it takes at least around 28 months to construct new-build FSRU. Does this mean that the bidders are requested to propose the solution to | Timeline remains unchanged. |

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| | shorten the construction period as much as the bidders can or to prepare the bridging vessel until the new-build FSRU is ready? | |
| 66. | Please clarify what "Certificate from the gas off-taker" means? Does this "the gas off-taker" mean the gas off-taker in existing project the bidders involved? | Existing and previous gas off-taker. |
| 67. | To what extent can we combine LNG supply and the FSRU project? | LNG supply is not included in this project. |
| 68. | Apart from the 7.5 MTPA committed by RPGCL, can we have other commercial agreements with other third parties to supply RLNG? | LNG supply is not included in this project. |
| 69. | What are RPGCL's expected milestones and timelines for selecting the successful bidder? | By first half of 2018. |
| 70. | How far is the receiving point for the LNG from the proposed FSRU location? i.e.; what is the expected length of the connecting pipeline? | As per PQ. To be detailed in the RFP. |
| 71. | Is the location for the FSRU fixed or can we identify other potential areas if the current location presents technical issues, given that no studies have been carried out. | Terminal co. can identify suitable location. |
| 72. | Are there any other FSRU or LNG import facilities in the area, maybe we can utilize the tug facilities? | No |
| 73. | Any restriction of laying the pipeline on the seabed? | No. |
| 74. | Any limitations on movement of LNG carriers, such as daytime restriction, etc? | No. Detail would be provided in the RFP. |
| 75. | Can we have a list of studies for the construction and operation of the FSRU, such as EIA, Metocean, Bathymetric, and whether any of the studies are available from the Port Authority | Admiralty chart can be obtained and provided during RFP stage. |
| 76. | What are the regulatory requirements for RLNG/tolling of FSRU services? | To be detailed in the RFP. |
| 77. | What sources of end-use are planned for the LNG? Are these users (e.g. power plants) existing / under construction / planned? | All kind of customers. |
| 78. | What financial support/security will RPGCL provide for the project? | To be detailed in the RFP. |
| 79. | Annex A-3: Signing Authorisation. The following needs to be clarified "We refer to our Qualification Statement in respect of that certain LNG Terminal and associated works at Moheshkhal, Cox's Bazar, Bangladesh." | The text to be replaced as: We refer to our Qualification Statement in respect of that certain LNG Terminal and associated works at offshore of Payra, Patuakhali, Bangladesh. |