



GSPC PIPAVAV POWER COMPANY LTD (GPPC)
700 MW (2X350 MW) COMBINED CYCLE POWER PLANT
Village: KOVAYA, Near PIPAVAV, Ta: Rajula, DIST. AMRELI, GUJARAT, INDIA

CLARIFICATIONS # 01 dated 17 – 06 – 2009 ON TENDER DOCUMENTS FOR SEA WATER INTAKE AND EFFLUENT DISPOSAL SYSTEMS

Sl No	Query from the BIDDER	Clarification issued
1	<p>We request you to please furnish us the Oceanographic Survey and geotechnical investigation prepared by the RITES which is required for the following purpose:</p> <p>a) To determine disposal system which is located at sea bed level of 16 m below CD at approximate distance of 1850 m from shore.</p> <p>b) The foundation of Intake shall rest on rock. In case rock is at a depth more than 6 meter below the intake shaft, the intake shall be provided with 1000 mm dia cased piles with 8 mm thk mild steel casing socketed into hard rock by 3 meters. In case the rock is available at shallow depth, the foundation shall be taken to the rock bed.</p> <p>c) As huge excavation is forseen for laying of the pipes and it is also mentioned in the tender document that materials to be expected to include weathered rock or hard rock below sea bed as well as ordinary and hard soils, and the type of soil or rock</p>	<p>Please note that the geotechnical investigation is part of the EPC contract. You may please collect copies of RITES report and Hydraulic studies report by IIT Madras from GPPC.</p> <p>a) Disposal system is as shown in the bid drawings based on studies carried out by IIT Chennai.</p> <p>b) Please follow the overall scheme proposed in bid drawings for Intake structure (Cl 5.4, Section D1).</p> <p>c) You have to quote considering the uncertainties involved in encountering all types of soils and rocks.</p> <p>d) Protection system for GRP pipes is as proposed in the bid drawings and as per studies by IIT Madras.</p> <p>Considering the schedule of the project, it is impossible to extend the bid submission date by 30 days.</p>

	<p>encountered shall not be a subject matter of any appeal or arbitration.</p> <p>d) To design the protection system to the GRP pipes from fury of sea.</p> <p>Citing the above issues we once again request you to please furnish us with the geotechnical investigation report and we sincerely request you to please extend the bid submission date by 30 days from issue of geotechnical investigation report so as to arrive at competitive bid.</p>	<p>Last Date for Submission of Bid shall be July 03, 2009 1700 Hrs IST</p>
2	<p>Since this projects includes submarine pipeline activity too, therefore we are bidding in Joint venture with a partner. Please give the concerned person or department who will approve the qualification of our JV, so that we can further proceed for bidding this job.</p>	<p>In case of JVs, we would like to see "Deed of Joint Undertaking" between the Bidder and his Associate (with whom the Bidder enters in to a JV) which will specifically ensure that in consideration of the award of the contract by the Employer to the Bidder (Contractor), the Associate and the Contractor declare and undertake that they shall be jointly and severally responsible to the Employer for the execution and successful design, construction and commissioning of the sea water intake and effluent disposal systems along with their associated structures and structural elements as specified under the said contract to the satisfaction of the Employer.</p> <p>Further, please note that "this project includes submarine pipeline activity also" as you have mentioned. Majority of the work is only submarine pipeline activity.</p> <p>The bid shall include experience documents of both partners of JV. It shall also include Special Equipment in possession for execution of marine works as stated in Section A3 (Cl 8.0).</p>
3	<p>We are trying to make JV with our partner. We need some more time to form JV. Therefore instead of making JV, can we form a consortium within available time period for bidding, kindly advice whether we can go ahead.</p>	<p>In case of consortium specifically for this project, we would like to see "Deed of Joint Undertaking" between the Bidder (who is the authorized representative of the Consortium) and his Consortium partners which will specifically ensure that in consideration of the award of the contract by the Employer to the Bidder</p>

		<p>(Contractor), the Consortium Partners including the Contractor declare and undertake that they shall be jointly and severally responsible to the Employer for the execution and successful design, construction and commissioning of the sea water intake and effluent disposal systems along with their associated structures and structural elements as specified under the said contract to the satisfaction of the Employer.</p> <p>The bid shall include experience and financial documents of all partners of the Consortium. It shall also include Special Equipment in possession for execution of marine works as stated in Section A3 (Cl 8.0).</p>
4	Can we use HDPE pipes instead of GRP pipes?	<p>HDPE pipes are technically acceptable.</p> <p>Bidders can quote for either or both of the following options:</p> <p>OPTION - A: GRP pipes OPTION - B: HDPE pipes</p> <p>Bidders shall provide Section C2 separately for either or both of the options as above.</p> <p>For purposes of evaluation, both HDPE and GRP as a material of the pipe shall be considered equal. No price benefit or price loading shall be applicable for either GRP or HDPE as a material of the pipe.</p> <p>In case of HDPE, Bidder shall ensure that the pipe characteristics, design, performance and quality shall be of a grade equal to that called for in the specification for GRP pipes.</p> <p>HDPE pipes shall be as per ISO 4427.</p>
5	As per tender document the bidding date is 19/06/2009. Can we get the time extension for 10days, so that we can work more to offer you best competitive price bid.	Refer Item 1 above.

6	<p>The concept is based on dry construction at the intake and diffuser head using cofferdam.</p> <p>It is expected that the pipeline corridor and the intake and diffuser head be protected by sheet piles. Pipelines can be installed after dredging to the required water depth in wet condition.</p> <p>But the problem is the intake head. As per proposed concept, requires RC piles to support the intake head. These piles are to be terminated below seabed and the cast-insitu concrete around intake head needs to be cast.</p> <p>This can only to be done if a cofferdam around the intake structure is built and dewatering to achieve dry condition can be made.</p> <p>Please confirm the above is correct understanding.</p>	<p>Foundation shall rest on rock. RC Piles are necessary only if rocks are found more than 6m below sea bed. Refer Clause 5.4</p> <p>Confirmed.</p>
7	<p>It is mentioned that the hydraulic design of intake and outfall system and Design of chlorination system is not required. However, the installation of chlorination pipeline is included in the scope of work. No details are available in the tender.</p> <p>Further, pipeline sizes are fixed including stiffness class (PN6). Please confirm whether the designated class is adequate for burring the pipeline below seabed.</p>	<p>Chlorine dosing is done onshore and the chlorination pipes go up to the intake head structure. Chlorine pipes are terminated onshore in the sea water intake pump house by the Intake and Effluent Disposal systems Contractor and further alignment and onshore works are by others.</p> <p>Pressure rating as per Clause 6.2 Section D1 is PN6 (CI 4.1.1 IS:14402)</p> <p>Minimum Stiffness Class (SN) of the pipe shall be Class 'D' as per IS14402. Contractor shall ensure that the stiffness class chosen has required stiffness to take up soil and water load at the diffuser end and provide manufacturer's design calculations to validate this.</p>
8	<p>It is mentioned that all approvals to be obtained by contractor for the successful execution of work. It is not clear whether EIA clearance has been obtained from MOEF for the proposed concept. Please clarify?</p>	<p>Yes. MOEF clearance for the concept has been obtained.</p>

9	Section A 1, Clause 2.2 (i) All these activities will take lot of time for completing the formalities, we request you to kindly incorporate the same as part of your scope.	Not Accepted.
10	Section A 1, Clause 2.2 (ii) We presume the post order bathymetric survey area will be as per your drawing TCE – 5478 A – 150 – SK – 5002. Kindly confirm.	Please refer Clause 1.4 for Intake Head and Outfall locations and Clause 2.3 for limits of survey area.
11	Section A 1, Clause 2.2 (iii) Kindly formulate a common Intake and reject out fall structures to be considered by Contractors for estimation as the same will have impact on Commercial evaluation of the bids.	Same has been formulated. Please refer Section D1. Bidders have to absorb in their bid, the amount of uncertainty over the presence of all types of soils and/or rocks in the sea bed.
12	Section A 1, Clause 2.4 We presume that this package is pre – engineered package and other inputs will be furnished at the time of pre bid meeting.	No. Complete engineering, except specific exclusions as stated in this clause, is in the scope of works.
13	Section -A1, Clause 2.3 Kindly confirm, if alternate Intake structure and reject outfall structures can be proposed in our techno commercial offer.	No.
14	Section –A 3, Clause 2 Request you to kindly furnish us the report of Bathymetry survey, side scan survey, seismic survey, reports of sample of sediments of sea bed, current & tide measurement, density of jelly fish along with sea bottom profile, so as to prepare techno commercial offer.	Available information may be collected from GPPC office.
15	Section –A 3, Clause 3 Request you to kindly furnish us the report of IIT Madras for our estimation and bid proposal of Intake and reject outfall system. We also seek your concurrence to price escalation on	Available information may be collected from GPPC office. No price escalation can be entertained.

	account of changes made post bid after award of contract with respect to tender documents.	
16	Section –A 3, Clause 5 Request you to kindly advice if IIT Madras / Indomar Coastal / TCE (separate team) can be taken as Engineering Consultants for designing Marine structures.	Please refer Clause 5.0 TCE shall not be hired.
17	Section –A 3, Clause 15.1 The schedule time of completion of 8 months is just impossible and hence requests you to kindly amend the same to 18 months from the date of signing of Contract documents. Kindly confirm the same.	Considering project schedule this is not accepted.
18	Section –A 3, Clause 15.7 We presume clause 14.1.6 of Section E, GCC supersedes the mentioned clause. Kindly confirm the same.	Confirmed.
19	Section –A 3, Clause 15.8 Idling time charges for the reasons not attributable to the Contractors will be paid by Client at actuals. Kindly confirm.	Not accepted.
20	Section –A 3, Clause 18.5 The tendered price is on EPC basis request you to kindly delete / amend this clause.	Not accepted.
21	Section –A 3, Clause 28 We request you to amend to interest free advance. Kindly confirm.	Confirmed.

22	Section –A 3, Clause 25.3 The statutory variation in taxes, duties, levies etc. will be to Client scope. Kindly confirm.	Confirmed.
23	Section –A 4, Clause 1.2 Request you to kindly elaborate on Technical PQC	Has been stated in the specification already. Anything else shall be discussed during post-bid meeting.
24	Section –A 4, Clause 1.4 Kindly advice if Deemed Export Benefits under Export Import policy of GOI will be applicable to this project and do the Contractor need to show the ED and Service tax separately.	Yes.
25	Section – E, Clause 10.2 Kindly advice the Contract is Divisible Contract OR LSTK Contract and also the VAT which is applicable in the State of Gujarat.	LSTK
26	Section – E, Clause 12.1 Kindly advice the Contract is Divisible Contract OR LSTK Contract.	LSTK
27	Section – E, Clause 14.1.6 No compensation is mentioned for such defaults of the Client excepting under force majeure conditions as described under clause 18.0 / Section – E. Kindly consider the compensation on such accounts of delays not attributable by Contractor on mutual agreeable terms.	No compensation possible.
28	Section – E, Clause 14.2 & 15 Kindly consider the LD for delay for 1/2 % per month to the Maximum of 5 % of Contract Price with overall ceiling of aggregate liability as 5 % of Contract Price.	Not accepted.

29	The package Intake and reject out fall system is complicated and hence, we require additional time for preparation of Techno Commercial offer. Request you to kindly extend the bid due date of submission to 15 th July 2009.	Not accepted.
30	GPPC should consider having a Bonus Clause for early completion	Not accepted.
31	Is it possible for GPPC to provide alternate approach to site?	The Contractor can make his own approach including area for installation
32	Please furnish the format for EMD (Bank Guarantee)	The format is furnished with Amendment No 1
33	Cost of 4m depth of trenching will be high and 1.5 to 2m should be sufficient for the pipeline. Please investigate the possibility of reducing this depth to 2m.	MOEF has given permission to bury the pipes at least 4 m depth in the offshore area. Hence it is not possible to reduce this depth.
34	In case we give offer for HDPE, we will require flow requirement and project water requirement.	It is already provided in Section D1 Clauses 5.1 and 5.2
35	Is blasting permitted in the area in case rock is encountered?	Contractors shall make necessary arrangements for taking permissions from appropriate authority.
36	Please provide space for 50 people in the area for campers.	Contractors to make their own arrangement for this purpose.

37	PHE certificate to be provided by GSPC for purposes of claiming benefits under EXIM policy	Will be provided
38	If we have in-house design capability, is it required to associate with a consultant?	Not required. But you may please provide sufficient data on your design experience along with the Bid.
39	Please revise validity of Price Bid to 3 months instead of 6 months as you are likely to take decision immediately.	Confirmed.
40	Please take out the responsibility of approvals from the scope of EPC contractors.	Not accepted. GPPC will provide all possible support to the Contractor to have the necessary approvals in place but the responsibility of taking approvals rests with the Contractor.
41	Working in the sea under high tide situation and rough seas shall be considered as force majeure condition.	Not accepted. Force Majeure conditions are as specified in Clause 18 Section E.
42	Covering arrangement for the diffuser ports in the form of a simple flapper which opens under pressure should be included in the specification. This will avoid siltation of diffuser ports and diffuser structure.	Bidder to include his proposal in his bid to make it technically competitive.
43	Chlorination pipe of 75mm diameter – material can be HDPE instead of UPVC	HDPE material is acceptable for Chlorination pipes. It will be considered equivalent to UPVC. No cost benefit or price loading shall be applicable.
44	Please specify a resin mix for GRP pipes. We will provide an imported resin mix and that material is the best for GRP pipes.	Bidder shall provide this information in his bid to make the bid technically competitive.

45	Please provide the valves required for the pipelines along with corresponding specification	The interface drawing will be revised and number and location of valves required will be indicated. Specification for valves and the revised interface drawing will be included in Amendment No 1.
46	Please include monitoring of levels, elevations, leveling of trenches, velocity to be maintained etc as a requirement in the specification.	Bidder shall include this as a quality plan in his bid to make it technically competitive.
47	Please reduce LD to 10%.	Not Accepted.