

Mirya Shoreline Protection and Management Project

Minutes of pre bid meeting held at MMB at 1500 hours on 21 March 2011

Sl. No	Questions	Clarifications
1	SECTION 1, 19.8: Bid security of a JV not Legally constituted. Does the bid security in favor of JV one partner sufficient? What if the entities are from different countries?	Bid security in name of one partner is not sufficient. Bid security has to be in the name of the JV. The JV constituents could be from various ADB member countries.
2	SECTION 3, 1.8: Independent Certification. What is the name and address (or names and addresses) of the independent international laboratory (laboratories) Qualified to do this testing? Our Supplier has had their own independent certification made on the geotextile. Please provide us the parameters/properties to be tested and included in this independent testing report. Would our independent testing qualify as independent testing report of the geotextile material?	Address of lab is TRI-ENVIRONMENTAL, INC 9063 Bee Caves Rd. Austin, TX 78733,USA Contact: Mr. John M. Allen, P.E. Director of Geosynthetics Interaction Laboratory SAllen@tri-env.com Ph: +1 (512) 263-2101 Fax: +1 (512) 263-2558 Your suppliers or your own certification will be examined but it has to be supported by independent certification by TRI Environmental laboratories
3	SECTION 4 #10: Bidding Forms- Site Organization Question: Does site organization refer the management of the site for example? Traffic management, Protection the public, Materials storage and waste management, Welfare, Administration.	Bidders understanding is correct.
4	SECTION 4 #12-13: Mobilization and Construction Schedule- Question- Should the schedules be display in a specific format, for example a GANTT Chart?	Mobilization & construction schedule; GANTT/PERT/CPM/ bar chart are all acceptable
5	ITB 20.2-The written confirmation of authorization to sign on behalf of the Bidder shall consist of : Power of Attorney? Question- We presume that a power of attorney executed in the United States will be sufficient for these purposes?	Yes, USA power of attorney acceptable
6	BILL OF QUANTITIES #2: Nonwoven geotextiles. Please provide us with the material property requirements of the	Please refer section 6, specifically tables 4, 5 & 6

	<p>non woven geotextile?</p> <p>BILL OF QUANTITIES #3: Geomats. Please provide us with the material property requirements of the geomats?</p>	
7	<p>Section 3 - Evaluation and Qualification Criteria point 2.4.2(b) Construction experience in key activities; The criteria specified is "Bidder should have specific experience of having completed not less than 2 offshore geotextile reef projects, using sand filled geotextiles, in not less than 3m depth of low water" Taking into consideration the reef projects carried out all over the globe are very few in number and considering here main application will be placement of sand filled geotextile under water not less than 3 meters, we request you to allow following construction experience criteria "Bidder should have specific experience of having completed not less than 2 projects, using sand filled geotextiles, in not less than 3m depth of low water"</p>	<p>This proposal is accepted. Bid addendum will be issued with change.</p>
8	<p>Part II – Requirements – Specifications - Table 5. Specifications for Geotextile Tubes; We have reviewed the specification criteria and we feel only one manufacturer will be able to meet all the criteria's which is not good as far as healthy competition is taken into consideration and even for department. Hence request you to provide the details of other shortlisted manufacturer's who can supply the material with specified criteria's.</p>	<p>As per available information there are more than one manufacturers available throughout the world. The specifications have been given in Part II, Section 6-Table 5 of Bid document. Any geotextile that complies with the required specifications will be accepted. It is for the bidders to identify the most appropriate supplier of geotextiles.</p>
9	<p>Part II - Requirements – Specifications - Table 5. Specifications for Geotextile Tubes; Specified Mass (Base) – 1080 Gsm and Mass (Coating) – 800 Gsm in the table given whereas in the notes given below the specification table: Note No. 1 talks for 2000 Gsm non woven composite. Kindly clarify the actual mass of geotextiles required.</p>	<p>Specified mass of 1080 GSM for base & 800 GSM for coating is correct and must be as specified in Table 5.</p>
10	<p>Part II - Requirements – Specifications - Table 6. Specifications for Geomat – Geogrid specifications; As per the specifications, the elongation has to be less than or equal to 8%. Generally PP geogrids have strain in the range of 10 to 12 %. Kindly confirm.</p>	<p>Specification in employers requirement stays</p>

11	<p>Variations and adjustments – Particular Conditions of Contract – Contract Clause 13.8 page no. 8-6; price variation is based on WPI (all commodities) whereas for this project the major material required is geotextile. The cost of geotextile shall depend on international petroleum price. Thus we should request the department to base the variation based on international petroleum price. Secondly if the material shall be imported, thus, variation in currency rate should also be a part of price variation clause. Hence request you to consider the same and confirm the new formulae for arriving the change in rate for any variation item.</p>	<p>Since no benchmark is available for petroleum prices, existing benchmark stays.</p>
12	<p>Cost of inspection; Kindly confirm whether third party inspection will be adopted and the expenses for the same including logistics and sundry expenses will be reimbursed by the department.</p>	<p>Third party inspection responsibilities shall be carried out by Project Management and Design Consultants-Maharashtra being appointed by MMB; the inspection will involve no cost to the contractor.</p>
13	<p>Bidding data; work approach and methodology; Kindly provide us the tidal wave chart available with the department in order to work out the work approach and methodology. For preparation construction program we shall require bathymetric data, tide charts, wave height details, wind speed data for the entire year. The same shall be provided by the department.</p>	<p>Please refer to clause 5.1: ' it is the responsibility of the tenderer to research the normal waver patterns'; Tide levels are given in Table 2 and the bathymetry given in Figures 3 and 5.</p>
14	<p>Secured advance against supply of materials; The tender does not have provision for secured advances against supply of Materials like Geotextile Tubes, Geogrids and Geotextile. Hence, we request to include clause for secured advance from the dept. against the Geotextile tubes, geotextile and geogrid mobilized to project site.</p>	<p>Secured material advance cannot be provided. Instead mobilization advance is enhanced from 10 to 20 %, bid addendum is issued accordingly</p>
15	<p>Part II - Requirements – Specifications - Clause 11.4 - sand source; Gradation of the sand from the proposed sourced area is an important criterion for using it during filling and is missing in the document. Hence Request you to provide the same. Further, Total project requirement is approx. 11500 Cum of sand. Kindly confirm whether the required quantity will be available at the source area and if not then other areas of sources. If we have to source it from areas far from the site, then how department will take care of the same considering the cost of sand and transport.</p>	<p>The sand sources are the sand heaps located near the harbour as defined in section 11.4 and Figure 6</p>

16	Provisional sum; The limit of Provisional Sum of Rs.23.00 Lacs mentioned in BOQ (Section 4- Bidding forms-4-32) where as in Sec.8 PCC-Part A-Contract data it is written as 10%. Kindly clarify which is correct.	Provisional sum of Rs. 23 lakhs mentioned in BOQ is earmarked for the specific tasks of Design support , surveys and studies. The 10% mentioned in PCC is 10% of total contract value to cover variations in quantities or extra work for the whole contract.
17	Employers organization structure for this project; Kindly show the Organization Chart indicating the roles, duties and responsibilities of Employer and Employer's Engineers for better understanding of the modalities of working system	Project Management Unit (PMU) is being set up within MMB which would be responsible for the project. PMU in turn reports to MMB management
18	Compensation due to idling of labour and equipment to contractor; Kindly confirm whether the Contractor will be eligible for compensation due to idling of labour & equipment on account of any delay on the Completion Schedule due to reasons not attributable to him during the execution of the Contract.	Not accepted
19	Test methods and procedures for geotextile tubes during and after filling; Kindly confirm whether any special tests need to be carried out during filling and after the filling of Geotextile Tubes.	There are no special tests beyond the compliance of the material table 5 and 6 and the placing and filling as defined in sections 10 and 11.
20	Time extension for submission of bids; Taking into consideration the peculiar material specifications of Geotextile required for fabricating Geotextile Tubes, Geotextiles and Geogrids of which samples needs to be arranged during submission, we request you to allow for time extension for another one month.	Not accepted
21	Part II – Requirements – Specifications – Clause 2.2; Any item of works not indicated on the drawing but in line with the design and with the thinking shall be deemed to be a part of the contractual obligation and nothing extra shall be paid to the Contractor for the same.” We request you to kindly consider compensation towards this as this may take lot of money, manpower, machinery and time.	Not accepted
22	Part II – Requirements – Specifications; All code references are given as Australian /AFNOR. We request you to provide the same ISO/EN/ASTM as labs in India will be having facilities as per ASTM. Hence If it is to be sent to outside India, the time frame (submission date 15th April) given for that seems to be less and time extension as requested earlier is requested.	The intention is to get all tests done under one umbrella. The identified laboratory has committed to provide test results within a week of sample submission, however time extension is given up to 05 May 2011.
23	Part II – Requirements – Specifications; Polyester shall be subject to hydrolysis. Thus, contractor should be allowed to	The specifications are for UV Stabilized Polyester + Polypropylene as specified in

	use PP material for geotextile required for fabrication of Geotextile Tubes and thread for sewing meeting all the technical specifications as per the tender criteria.	table 5.
24	What are the specific tests to be carried out for bidding purpose	The tests will be directed at showing compliance with Table 5 of bid document Part II – Requirements – Specifications
25	<p>Clause no. 2.3.2, Average annual turnover of the bidder ;</p> <p>In case JV is the bidding entity and qualifying the given condition, we feel that it may not be needed for the individual partner to necessarily have the similar qualification. Because it is already agreed that all the partners are jointly and severally liable for the contract and the sole intent of JV is to capitalize on complementary skills.</p>	Not accepted
26	<p>Clause no. 2.4.1, General construction experience;</p> <p>Here too our view is similar as above, i.e. when the JV is complying the requirements, the partner should be exempted to meet the requirement in individual capacity.</p>	Not accepted
27	<p>Clause no. 2.4.2, construction experience in key activities;</p> <p>The terminology of the clause demands experience for REEF, we propose to make it more generic by including the phrase “ Experience in installing Geo-textile tubes / Geo-containers for underwater marine construction “ this will wider participation and healthy competition .</p>	This proposal is accepted. Bid addendum will be issued with change.
28	<p>Technical specification of Geotextile Tubes; Special type of two layered Nonwoven Geotextile is proposed in the technical specs, to our knowledge this is manufactured by single manufacturer only, this inadvertently PROMOTES MONOPOLISTIC REGIME. A suggestion here is to have Generic specification to discourage such situations.</p>	The design has been prepared to highest international standards and has been reviewed by international and national independent experts. Any change in the design or specifications is not accepted.
29	<p>Technical parameter in the specification of the geotextile tubes; We have few queries as well as suggestions here:</p> <p>1. The strength requirement of the tubes proposed is 45/90 Kn/m; however experience says for marine applications it is always recommended to have high strength fabrics, having similar strength in both the directions. This should be of the order of +150Kn/m; the logic behind this is the stresses generating during installation and during operation finally translate into Fabric tensile strength therefore it should be</p>	Not accepted

	<p>high enough to survive these forces.</p> <p>2. Elongation: The specified elongation in the tender specs . is 88% which will result in flat shape and low height, globally for tube containment applications , 15-20% fabric elongations are used. We feel it would be better to have low fabric elongation that will help in maintaining the required ht. of the containment structures</p>	
30	Fabric type; This is just a suggestion , in order to have advantage of both Nonwoven and Woven a Composite fabric made of top layer as woven and bottom layer as Non-woven can be considered , to have high strength, low elongation, good puncture resistance and high flow rate.	Not accepted
31	Third party testing; Kindly provide the details of Properties to be tested and testing frequency	The tests will be directed at showing compliance with Tables 4, 5 and 6 of bid document Part II – Requirements – Specifications
32	Regarding national service tax is this applicable to international firms bidding for the contract? If so should these taxes be included in the bid price?	Yes.
33	Regarding the duty and customs tax, are materials sourced outside India exempt from this? If this is the case who's responsibility is this, the client or the successful bidder? If tax is not exempt should these costs be included in the price bid?	All imported materials are also taxable as per the applicable Indian laws. It is the bidders responsibility to determine the quantum of taxes and include in bid price.
34	Regarding the geotextile tubes, upon delivery to India who is the owner of the tubes and responsible for payment of duty?	Until the geotextile tubes are installed as per specifications and accepted by employer, all responsibilities for payment of duties, transport, storage, handling and insurance rest with the contractor.
35	Regarding the lab testing for the geotextile materials, what parameters will be tested? Will all specifications stated in the Part 2- Requirements document page 13 be tested by the independent lab?	Please refer to Clauses 1.7 and 1.8 of Section 3, Evaluation and Qualification Criteria and Tables 4, 5, Clauses 9.4, 9.5 of Part 2, Section 6, Employers Requirements
36	Regarding the geomat does this require independent testing? If so can this take place at the same lab at TRI?	No, for bidding purpose, test reports of geomat supplier or test report provided by bidder are acceptable

37	Regarding the sand colour of the geotextile tubes, should this colour be visible externally or internally within the tubes?	Sand colour should be visible externally
38	<p>Regarding the Bid Security and JV arrangements, during the meeting it was stated the Bid Security must be in the name of the JV. However in the Bid Document it states that a JV does not have to be formally arranged until contract award, and that a letter of intent will suffice. The document goes onto mention:</p> <p style="text-align: center;"><i>19.8 The Bid Security of a JV shall be in the name of the JV that submits the Bid. If the JV has not been legally constituted at the time of bidding, the Bid Security shall be in the names of all future partners as named in the letter of intent mentioned in ITB 4.1.</i></p> <p>There may be a case where some banking organizations will not sign off the Bid Security as a JV is not formed? In this case is it possible for the lead firm to provide the bid security</p>	No change to what is stated in Clause 19.8 of Instruction to Bidders

Sd/-

**Chief Ports Officer,
Maharashtra Maritime Board,
Mumbai**