

BANGLADESH INLAND WATER TRANSPORT AUTHORITY (BIWTA)
141-143, MOTIJHEEL COMMERCIAL AREA, DHAKA-1000, Bangladesh

No: 18.11.0000.311.14.046.2019/2970

Date: 02-03-2020

Minutes of the Pre Tender Meeting held on 17-02-2020 at 14:30 hrs. at the conference room of BIWTA Bhaban (Level-6), 141-143, Motijheel C/A, Dhaka-1000, Bangladesh in connection with the Tenders for "Procurement of 2 Nos. 28" Cutter Suction Dredger and Ancillary Vessel with Other Accessories" (GD-01), tender No. 18.11.0000.311.14.046.2019/2588, dated:26-01-2020.

A Pre Tender meeting was held in the conference room of BIWTA on 17.02.2020 at 14:30 hours. The Meeting was presided over by the Member (Engineering), BIWTA. The Chief Engineer (Dredging) & Project Director, Additional Chief Engineer (Marine-2), Superintending Engineer (Mech.) & other official concerned of BIWTA were present in the meeting. The representatives from Karnafuly Shipbuilders Limited, Khulna Shipyard Ltd., Dekker Dredging, Netherland & Rizhao Kingda Shipbuilding Heavy Industry Co. Ltd, China attended the meeting.

Some questions were verbally raised in the meeting by the representatives of the above mentioned tenderer. All clarifications sought or questions raised were discussed and answered by the BIWTA officials concerned. The raised questions or sought clarifications with their corresponding answers/clarifications are given below :

Sl.	Tender clause no.	Tender conditions given by BIWTA	Questions/Clarifications sought by the prospective tenderer	Answers/Clarifications
1)	Clause 1.16 of technical specification of 28" Cutter Suction Dredger of GD-01 (page – 114)	The vessel including its hull, Main propulsion and auxiliary engines, other equipment and machinery shall be designed, built classed for coastal water and manufactured under the supervision of reputed international classification society of Lloyds/ ABS /NKK/ DNV.GL being a member of IACS.	Requested to include "International Classification Society who is a full member of IACS" instead of specifying "Lloyds/ ABS /NKK/ DNV.GL"	This condition shall remain unchanged.
2)	Clause 1.16 of technical specification of 28" Cutter Suction Dredger of GD-01 (page – 114)	The vessel including its hull, Main propulsion and auxiliary engines, other equipment and machinery shall be designed, built classed for coastal water and manufactured under the supervision of reputed international classification society of Lloyds/ ABS/ NKK/ DNV.GL being a member of IACS. The appropriate class notations for fully classed hull and machinery to be mentioned in the offer.	Requested to include CCS or BV which are also members of IACS in addition to the mention International classification society of "Lloyds/ ABS /NKK/ DNV.GL"	This condition shall remain unchanged.



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3)	Clause 1.20 of Technical Specification of 28" Cutter Suction Dredger of GD-01 (Page - 117)	Anchors: 4 Nos. @ 2500kg for each dredger, 8 Nos. @ 1500 kg for each dredger are to be provided for instant operation of the dredger. The anchors & chains should be subjected to classification society requirement and shall be class certified.	Suggested that, only 3 sets of anchors are needed (1 Nos. @ 3000kg, 2 Nos. @ 5000kg) instead of the provided requirements in the tender document.	Keeping the number of anchors unchanged weight of the anchors can be changed as per designer's/ classification society's recommendation.
4)	Clauses 1.07 and 1.08 of Technical Specification of 28" Cutter Suction Dredger of GD-01 (page - 113)	Main generator power: Appropriate Power (approximate $2 \times 120\text{KW}$, 400V, 50 Hz) to suit necessary requirement for operation of dredger. Emergency Generator Power: Appropriate Power (approximate 50 KW, 400V, 50Hz) to suite necessary requirement for operation of hydraulic pumps, motors and other components.	Proposed that the required power of main generator and emergency generator is not enough and it can be increased.	Power of the generators shall be increased if necessary.
5)	1.03 of Technical Specification of 28" Cutter Suction Dredger GD-01 (Page - 112)	Double/Single wall Dredge pump of high efficiency proven model (having proven record of at least ten years) with wear resistant material construction of its wearing parts as to suit best performance in dredging. Dredge pump with proven efficiency of more than 85 percent when pumping water. Material hardness for pump casing, suction nozzle liner, suction and shaft cover wearing plates and impeller-55-65 HRC or equivalent. Country of Origin: EU Countries/UK/ USA/ Australia/ Canada/ Japan.	For dredging pump model, it is required that the model "having proven record of at least ten years", it may be changed to "dredge pump of high efficiency proven model with wear resistant material construction of its wearing parts as to suit best performance in dredging". The pump technology is evolving through the Research and Development for years and better technology is taking place. Thus, it is imperative to have better and developed models.	Ten years proven record means record of experience of dredge pump manufacturer.
6)	Clause 1 of A-2 auxiliaries and services for 28"	Production Measuring System: Complete set of production measuring system with velocity and density measuring	Proposed that the production measurement system is not clearly configured and asked	Tenderer shall offer clearly configured production measurement system. The system shall have

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	Cutter Suction Dredger of GD-01 (Page – 129)	instruments and production presentation on dredgers HMI for measuring solid output of dredged material in tons and cubic meters per hour. Radio frequency shall be used for measuring production. Cumulative production is also to be recorded. All instruments, computers etc. needed for the system are to be supplied in complete set.	whether the system is needed.	necessary memory for keeping records of cumulative production with print out facility of daily and cumulative production records.
7)	Clause 6 of A-2 auxiliaries and services for 28" Cutter Suction Dredger of GD-01 (Page – 130)	Foreign Training is to be arranged for 5 (five) BIWTA engineers on maintenance, operation, Electronic technicians (ET) Software/Trouble Shooting Software/PLC system. Air ticket, accommodation, food, transport and all allowances to be arranged by the supplier for the trainees. The training period should be at least 07 (seven) days excluding traveling & transit at manufacturer country.	Asked, if the manufacturer country of software is same as shipyard's then can the training be arranged in that country.	Training shall be arranged at software manufacturer's country.
8)	Clause 5 of A-2 auxiliaries and services for 28" Cutter Suction Dredger of GD-01 (Page – 130)	All expenses for operation contract and travel, food, boarding etc. of 4 nos. Dredger Master/ Leverman, 2 nos. PLC expert engineer and 2 nos. Driver & 4 nos. engine crews shall be borne by the supplier.	Asked, whether it can be understood that the winning shipyard is responsible for sending 4 Dredger Master/ Leverman and 2 PLC Expert Engineer to the vessel, and the personnel can meet the above work requirements. Also, whether, the winning shipyard is only responsible for the expenses of the above six personnel and not for the specific operation of the ship.	Cost of fuel, lube oil etc. shall be arranged by the purchaser.



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9)	General Arrangement Plan of the Dredger of GD-01 (Page – 161)	Principal Particulars Length (L.O.A.)(about) : 60.00m Breadth (MLD) (About) : 13.50m Depth (MLD) (About) : 3.20m Draught (Loaded) (max.) : 2.00 m	Asked whether parameters of principal particulars of General Arrangement Plan can be changed.	If the designer or manufacturer deems it necessary, they may change the parameters which are stated as “approximate” or “about” as required. But the changed values should be as close as possible to the dimensions provided.
10)	Clause 6 of A-2 auxiliaries and services for 28" Cutter Suction Dredger of GD-01 (Page – 130)	Foreign Training is to be arranged for 5 (five) BIWTA engineers on maintenance, operation, Electronic technicians (ET) Software/Trouble Shooting Software/PLC system. Air ticket, accommodation, food, transport and all allowances to be arranged by the supplier for the trainees. The training period should be at least 07 (seven) days excluding traveling & transit at manufacturer country.	Asked about the numbers of trainees, accommodation, allowance standard.	Number of trainees is mentioned in the relevant clause. Accommodation and allowance will be as per Bangladesh government rules or International standard whichever is higher.
11)	Technical Specification of 28" Cutter Suction Dredger of GD-01	-	Asked to clarify the navigation area of the cutter suction dredger and the crane boat.	Both the Cutter suction dredger and Crane Boat shall be able to work in inland waterways and coastal zone of Bay of Bengal.
12)	General Arrangement Plan of the Dredger of GD-01 (Page – 161)	-	Asked to clarify the driving mode of dredging pump, whether it shall be designed by the manufacturer. Also, there is no indication of submerged dredging pump in the General Arrangement Plan so whether submerged dredging pump is needed.	If submerged dredge pump is required for achieving desired production capacity at desired distance, tenderer shall offer submerged dredge pump as recommended by the designer.



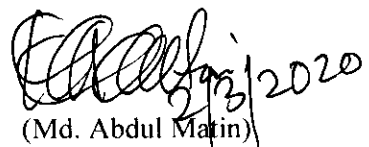
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13)	Clauses 1.01 to 1.20 of Technical Specification of 28" Cutter Suction Dredger of GD-01 (Page - 111 ~ 117)	-	Asked whether European and American brand products (tools and sanitary fittings) can be provided for items where country of origin is mentioned European Union and other countries.	This condition shall remain unchanged.
14)	1.18 of Technical Specification of 28" Cutter Suction Dredger of GD-01 (Page - 116)	-	How many officers are there in this vessel? The number of single rooms needs to be considered. Asked about the number of officers in the vessel and the number of single rooms that is needed to provide.	There will be 4(four) single rooms.
15)	The technical Specification of online monitoring system stated in Section 1.28 of technical specification of 28" Cutter Suction Dredger (Page-123-128)	-	Requested to generalize the Technical Specification of online monitoring system as stated in Section 1.28 of technical specification of 28" Cutter Suction Dredger (Page- 123 - 128)	<i>If any Manufacturer is restricted under the mentioned specification as per the tender document then other equivalent/Better Specification of Real Time Dredge Monitoring Solution for Cutter Suction Dredger can be offered.</i> In addition to the above correction, the following features shall be applicable for existing (previous) technical specification as specified in the tender document as well as equivalent offer of online monitoring system.



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				<p>For On Dredge Software:</p> <p>i) Should Support Print of plans and cross sections of the dredging area being true to scale</p> <p>ii) Should Support Export of the data into CAD- or GIS- programs.</p> <p>iii) Should Support Dredger obstacles, intermediate medium and other special features of the deposit</p> <p>iv) Should Support Operation data Dashboard (visualization of dredging performance).</p> <p>For Remote Monitoring Software in Office providing real time field information to office when field dredgers are connected to office through Internet using cellular or some other communication:</p> <p>i) Volume estimation of removed material</p> <p>ii) Monitoring of the fuel efficiency of the all operating dredgers.</p>



16. The Unit price “CIP [Chattogram port/ Mongla port] Or CIF [Chattogram port/ Mongla port]” as stated in Column-06 of Price Schedule for Goods (Form PG4-3B) and in the ITT Clause 23.12 (d) shall be replaced by “CIP [Dredger Base, Narayanganj, Bangladesh]”.
17. The following instruction shall be added in the clause 1.16 of Technical Specification of 28" Cutter Suction Dredger and clause 1.0 of Technical specification of crane boat: “The Shipyard has to follow strictly the class regulation to obtain appropriate class notation mentioned in the tender document.”
18. All other terms and conditions in the tender document shall remain unchanged.
19. This minutes shall be the integral part of the tender document.


(Md. Abdul Marjin)
Chief Engineer (Dredging)
&
Project Director

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