

**Design, Manufacture, Fabrication, Supply, Erection, Testing, Commissioning and handing over of firefighting facilities at 3rd Oil Jetty, HDC**

**E-tender: 2020\_KoPT\_552085\_1**

Sl. No.	Document No./Clause No./Page.No.	Tender Description	Bidders Query	HDC Replies
1.	BOQ Sl no: 1 & 15, Clause No: 6.2.1 table - III Sl No 4. Page No.27	Existing pump House to accommodate all firewater pumps, jockey pumps and foam pumps and foam tanks.	As per the document, minor civil works are under scope of work for pump house and we assume it is only the pump foundations we have to consider.	Proposed pumps shall be installed at existing Pump House with civil for complete pumps foundation. As per the site conditon, to provide / modify foundation of the equipments at existing pump house is under the scope of the bidder.
2.	BOQ Sl no: 3 and data sheet of ground monitor Page No.238 &161	As per datasheet - flow-900 LPM & horizontal throw is 50 M. As per BOQ it is 3000 LPM and 75 M respectively.	As per datasheet the flow in the ground monitor is 900 LPM whereas as per BOQ the flow is 3000 LPM. Moreover the horizontal throw is 50 M as per the datasheet and as per the BOQ it is 75M. Please confirm the same.	Flow of ground monitor is 3000 LPM with a throw of 45m.
3.	Clause No: 6.18 i Page No.36	All equipment and accessories connected with fire protection system shall be UL/FM approved.	Please share the list of Fire Protection system equipment shall be UL/FM/ISI approved to be supplied.	Monitor will be UL approved.
4.	Clause No: 6.19 Page No.37	Manual/ automatic below deck fixed water spray system or pile fire-proofing to protect berth structure and installations shall be provided.	The same is not included in BOQ	The job is under the scope of contractor.
5.		Dry Chemical Powder (DCP) protection to be provided.	As the jetty is envisaged to handle POL & LPG, Fixed DCP system is not required as per OISD. Hence fixed DCP system not required to consider in the bid.Kindly confirm	Tender condition pevails which is required in the control room and pump rooms as per OISD-156.
6.	Clause No: 6.24 Page No.38	Brief Specifications of Major Fire Fighting Components : Piping materials shall be ASTM 106 Grade "B"	As per BOQ the same is Carbon Steel ERW, please confirm	The piping materials is Carbon Steel ERW.
7.		Dry Chemical Powder (DCP) protection to be provided.	As the jetty is envisaged to handle POL & LPG, Fixed DCP system is not required as per OISD. Hence fixed DCP system not required to consider in the bid. Kindly confirm.	Pl. refer to Sl No.5 above
8.	BOQ Sl no: 13 Page No.240	Water Curtain Nozzels	Please provide us the MOC, flow, size details and datasheet of water curtain.	Water curtain nozzles shall be considered as per OISD-156 norms.
9.	BOQ Sl no: 10 Page No.240	Quick Release Mooring Hook	Please provide us the MOC, flow, size details and datasheet of quick release mooring hook. Please also provide us the GA drawing if available.	Pl. see clause no 6.89.20 and 6.89.21 of Tender document page no-114 & 115. The Bidder may visit the site for details.

Sl. No.	Document No./Clause No./Page.No.	Tender Description	Bidders Query	HDC Replies
10.	BOQ Sl no: 8 and data sheet of Gate valve Page No.239 &150	Design, supply, erection, testing & Commissioning of the following types of Valves, as per Technical Specification.	In the BOQ the Gate valves will be CI type whereas in the datasheet of the gate valve it is mentioned that the Gate valves will be Cast Steel type and for 250 NB and above it will be Gear Operated. Please confirm the requirement.	Pl. see the Sl.No.1 of Addendum-III
11.	BOQ Sl No: 6 & 7 Page No.239	ERW Steel Pipe and Stainless Steel Pipe	Please provide us the quantity wise breakup of these pipes for above ground and under ground laying.	As per site condition as is where is basis.
12.	BOQ Sl No: 6 & 7 Page No.239	ERW Steel Pipe and Stainless Steel Pipe with internal cement lined bends	As per regular practice internal cement lining is possible upto 100 NB below that it is not feasible. Please confirm.	Pl. see the Sl.No.2 of Addendum-III
13.	BOQ Sl No: 6 & 7 Page No.239	ERW Steel Pipe and Stainless Steel Pipe	Please confirm the surface preparation of these pipes.	Please refer clause no.6.71 Page No.94 of tender document.
14.	Clause No: 6.2.1 table - III Sl No 9. Page No.27	Entire remote control system including instrumentation and electrical and electronic equipment's with associated SCADA system. - As per design requirements of OISD-156. The installed equipment are to be synchronised with the existing SCADA system in the control room by the contractor at their cost.	Please confirm whether it is the requirement of PLC based pump annunciation Panel or the PLC system for the entire scope/battery limit.	To provide control panel along with all accessories for PLC based pump annunciation system.
15.	Clause No: 6.2.1 table - III Sl No 9. Page No.27	PLC details	Please provide the detail specification of PLC. Also confirm whether SIL protection for PLC panel is required or not.	Please see the attached IO list of existing PLC.
16.	Clause No: 6.18 Sl No h. Page No.36	The damaged structures of another one Tower monitor to be replaced, grit blasted & painted to the satisfaction of the engineer as specified in the BOQ, Technical	Please provide us the details of the damaged structure.	The damaged structure shall be replaced as is where is basis.

Sl. No.	Document No./Clause No./Page.No.	Tender Description	Bidders Query	HDC Replies
17.	Clause No: 6.25.1 Page No.39	For the purpose, fire alarm system consisting of manual call points (break glass), automatic gas/smoke/ heat detectors, release & inhibit switches for fire suppression clean agent. Conventional or micro-processor based data gathering fire alarm and central fire alarm panel, mimic panels & associated equipment are provided.	Apart from Manual Call Point nothing is mentioned in the given BOQ. Please confirm the scope and confirm the requirement.	Please refer Sl no-11 of BoQ.
18.	Clause No 6.89.20 Page No.113	Quick Release Mooring Hook	Please confirm whether the quick release mooring hooks will be operated automatically from the control room or manually from the Jetty itself.	Provide with Auto/Manual from Control Room or Jetty respectively.
19.	BOQ Sl no: 5 Page No.240	Double headed Fire hydrant	As per BOQ Sl no: 5 the asked quantity of hose box for double headed hydrant is two (02) numbers. For each hydrant, but the quantity indicated in Sl. No. 9 is only 02 Nos against 8 Nos hydrant valve. Please confirm	Tender condition prevails
20.	BOQ Sl no: 13 Page No.240	Water curtain nozzels	Please confirm that the water curtain system will be operated through MOV. If so please mention the quantity.	Yes Agreed all water curtain systems will be operated through MOVs.
21.	Price Schedule Sl.No.2 & Page 149	Tower Monitor	Motorised gate valve quantity is not provided in BOQ. Kindly confirm same has to be included in tower monitor line item(or) to be quoted separately.	As per scope of work, MOV shall be included in the item of tower monitor and water curtain nozzles.

Sl. No.	Document No./Clause No./Page.No.	Tender Description	Bidders Query	HDC Replies
22.	Sl. No. - 3.0 of BOQ	Design, Supply, Erection, Testing & Commissioning of Remote operated 6" Tower monitor on 20 mtr high tower, capacity 6000 LPM (complete with panel & accessories), as per Technical Specification & scope of work.	Our understandings based on the statement & technical Specification provided are as follows and request you to confirm the same :1) Isolation Valve for Tower Monitor has considered on separate item no.2) Monitor shall be fixed flow type.3) Panel of tower monitor shall be connected to the existing PLC at control room of the customer.4) Only Provision for connection between Monitor Panel with Customer's PLC shall be provided on the Monitor Panel and the same is under the scope of this tender. The connection between these two are under the scope of some other tender.	The contractor has to integrate their supplied PLC of main pump and tower monitor & other equipments with the PLC of the existing equipments, which is under installation through separate contract. Accordingly, the bidder shall consider all costs w.r.t the above. For details, please refer 'SCOPE OF WORK FOR INSTRUMENTATION ' at page no- 100 to 104 of tender document.
23.	General		Please confirm the type of contract lumpsum or unit rate.	It can be considered as percentage tender.
24.	General		Please confirm that along with the Foam tank the Foam pumps are also there and we do not need to consider the same under scope of supply.	Agreed, tender condition prevails.
25.	General		During site visit we found that fire fighting system already available in the jetty area. Please confirm that any kind of dismantling of existing facilities in HOJ-III is not in our scope. If the same is in our scope, please share the detail drawing & BoQ of existing fire fighting system to be dismantled. Also confirm the storing are for the all dismantled item.	Dismantling, shifting to the yard/location under contractor's scope. Please refer to BoQ Sl. No.14.
26.	General		Please note that the tower monitor is generally manual and in case of fire, it should be operated through remote control room. Hence the tower monitor shall be manual operated and no interlinking of same is required with detection system. Kindly confirm	Tender condition prevails.

Sl. No.	Document No./Clause No./Page.No.	Tender Description	Bidders Query	HDC Replies
27.	General		The various capacity & quantity of pumps, tanks given is not minimum. We have to design system complying to OISD-156 requirement. Kindly Confirm.	Tender condition prevails.
28.	General		As per OISD-156 velocity upto 5m/s is allowed. Kindly confirm.	Tender condition prevails.
29.	General		As per OISD-156, Tower Monitor shall be provided with fire proofing. Kindly confirm whether we need to consider fire proofing for same or not.	Tender condition prevails.
30.	General		Kindly provide the detailed specification like type of detectors, controllers, SIL protection required.	Pl refer to 11 of BoQ.
31.	General		Please clarify the scope of Fire water pump house, Fire water reservoir, Make up water arrangement for fire water tank. Pipe trestle (off shore & onshore), pipe pedestal, valve chamber.	Pumps supplied by the Bidder shall be installed by the contractor in the existing pump house attached to fire water reservoir. However, the replacement of existing pipelines including pipe trestle, pipe pedestal, valve chamber is under the scope of the contractor.
32.	General	Control Panel Qty	Please confirm the qty as below for better understanding : a. New PLC- 1 no b. DE-LCP: For Engine driven Fire Pump-1no c. Tower Monitor LCP- 1 no d. Annunciation Panel- 1 no	Please refer to Sl no-22 above and tender condition prevails.
33.	General		Kindly provide the hazard area classification drawing	Pl. refer to <b>Annexure-II</b> of tender document for overall layout plan.
34.	General		As per OISD-156 velocity upto 5m/s is allowed. Kindly confirm.	Pl. refer to Sl.No. 26 above.
35.	General		Kindly provide the SLD/schematic for Electrical scope.	Pl. refer to <b>Annexure-IV of Addendum-III for SLD.</b>
36.	Scope of Supply Sl.No.6.78 & Page 99	All statutory approvals required for design, supply, and installation and commissioning of individual equipment and for system as a whole are included in contractors' scope of work.	We shall assist you with necessary documentation , drawing and required demonstration of Performance test to statutory approval team. Necessary fees shall be paid by HDC directly to authority. Please confirm	The proposed work consisting of augmentation of existing jetty with fire fighting Equipment as per OISD-156. However, the final as build drawing shall be made by the contractor after installing all the equipments at site along with few item installed by BPCL and the same drawing is forwarded to PESO with the approval of HDC. The necessary arrangement to be made by the contractor for approval of the drawing with the support of HDC.

Sl. No.	Document No./Clause No./Page.No.	Tender Description	Bidders Query	HDC Replies
37.	PART-1/ Section.- VI, Page No 5	The intending bidders must deposit Rs. 9,78,747.00 (Indian Rupees: Nine lakh seventy-eight thousand seven hundred and forty seven) only, as Earnest Money, to Haldia Dock Complex, to Haldia Dock Complex, through DD / Banker's Cheque in favour of Kolkata Port Trust on any Scheduled / Nationalized Bank , payable at Haldia , otherwise, their bid will be summarily rejected, treating the same as non- responsive. Scanned copy of the DD / Banker's Cheque should be uploaded. In case the said Earnest Money is not deposited by the bidder, the respective bid will be summarily rejected, treating the same as non-responsive.	We request you to kindly accept full amount of EMD in form of Bank guarantee.	Tender condition prevails.

Sl. No.	Document No./Clause No./Page.No.	Tender Description	Bidders Query	HDC Replies
38.	Sl. No. 7, Page No. 208	<p>PAYMENT TERMS:  Payment will be made based on accepted rates of the bill of quantities. Monthly one bill would be accepted.</p> <p>i) 70% Payment against each item will be made against supply of respective item at site and submission of bills along with Custodian Certificate and other relevant documents like Inspection Reports, Challans, etc.</p> <p>ii) 20% Payment against each item will be made against installation of the respective item and submission of bills along with Installation Certificate.</p> <p>iii) 10 % Payment against each item will be made against Testing, successful commissioning, and taking over the commissioned job by KoPT, obtaining statutory certificate by the contractor and submission of bills, along with Job Completion Certificate.</p>	<p>We request please accept the following payment terms</p> <p>i) 10 % advance against ABG .</p> <p>ii) 70% Payment against each item will be made against supply of respective item at site and submission of bills along with Custodian Certificate and other relevant documents like Inspection Reports, Challans, etc.</p> <p>ii) 10% Payment against each item will be made against installation of the respective item and submission of bills along with Installation Certificate.</p> <p>iii) 10 % Payment against each item will be made against Testing, successful commissioning, and taking over the commissioned job by KoPT, obtaining statutory certificate by the contractor and submission of bills, along with Job Completion Certificate.</p>	Tender condition prevails.
39.	Sl.No.10, Page No.240 of Tender document	Quick Release Mooring Hook	<p>Please share approved vendor List.</p> <p>Also as per vendor offers the price of single quantity of Quick Release Mooring Hook is around 20 lacs..</p> <p>It has Capstan Motor for Hazardous zone, control panel as the same will be remote operated, Hook, Detachable Release lever and many other component.</p> <p>Also 4 will be required on Mooring Dolphin which will be 3x80MT capacity and 2 on berthing dolphin of 2x80MT capacity.</p> <p>In view of the above we request you to provide details of vendor as the price for this item is coming more than 1 crore as against given price of 16.68 lakhs.</p>	The rate shown in the tender is as per the market rate. As the tender is percentage below and above type, the bidder shall consider total estimated cost for quoting.

Sl. No.	Document No./Clause No./Page.No.	Tender Description	Bidders Query	HDC Replies
40	Pg 241,242 - Item No 6,7,8 SECTION-X(B) PRICE SCHEDULE (PRICED)	Piping - Supply & Erection of Pipes ,Fitting,Flanges & Valves.	Bidder Request you to provide unit rates for all sizes/line item as it's a % tender. Reason : 1. If quantity of any item increase/decreases then what will be the basis to derive the price of that item as now a single price is given against all the items. 2. During billing how to establish the price of each item. This will be highly conflicting, hence we request you to provide price of every line item.	Tender has been floated for the specific quantity as per BoQ. The overall lowest offer as per percentage above/below the estimate shall be considered for the price of each item as per the individual estimated cost of SECTION-X(B) of Tender document.
41	SECTION-X(B) PRICE SCHEDULE (PRICED)		We request you to provide price breakup of supply and erection separately as the same will help for billing and cash flows.	Tender condition prevails.
42	SECTION-X(B) PRICE SCHEDULE (PRICED)		Bidders understands that any items which is not mentioned in the document SECTION-X(B) PRICE SCHEDULE (PRICED) will be paid extra.	Payment shall be made extra for the work which are beyond the scope of the tender document including Addendums and Pre-Bid clarifications.
43.	SECTION-X(B) PRICE SCHEDULE (PRICED) Pg 240, 241,242 - Item No 1,2,4,5,6,7,8		Bidder understands that RCC/Structural Pipe sleepers/equipment foundation will be paid under extra item as there is no item for the same.	Wherever Civil work is involved w.r.t any BoQ item are under the scope of the contractor without any extra cost to HDC.
44.	SECTION-X(B) PRICE SCHEDULE (PRICED) Pg 240, 241,242 - Item No 10	Quick Release Mooring Hook	Bidder understands that Quick Release Mooring Hook is to be installed on existing foundation made by others.	The Quick Release Mooring Hook shall be installed on existing foundation. However, any modifications in the existing foundation to suite the Quick Release Mooring Hooks shall be in the scope of the contractor.
45.	Pg 38 point H of Tender document	Tower Monitor	Bidder understanding that structure of existing tower monitor is to be dismantled and will be paid under SECTION-X(B) PRICE SCHEDULE (PRICED) item No 14 and new structure to be made for that tower monitor will be paid under SECTION-X(B) PRICE SCHEDULE (PRICED) item No 15.	New tower monitor no. 1 as per BoQ Sl. No.3 shall be supplied, installed and commissioned by the bidder. The dismantling of the said Tower Monitor shall be under BoQ Sl.No.14. BoQ Sl.No.15 is for the Tower Monitor-2.
46.	SECTION-X(B) PRICE SCHEDULE (PRICED) Pg 240 - Item No 3	Tower Monitor	Bidder understands that the structure for tower monitor will be paid under SECTION-X(B) PRICE SCHEDULE (PRICED) item No 15.	Pl. refer to Sl.No. 45 above.



Sl. No.	Document No./Clause No./Page.No.	Tender Description	Bidders Query	HDC Replies
47.			Bidder understands that Pipe to be supplied under SECTION-X(B) PRICE SCHEDULE (PRICED) item no 6.A is Carbon Steel ERW as per IS 3589/IS: 1239.	Agreed.
48.	SECTION-X(B) PRICE SCHEDULE (PRICED) Pg 241 - Item No 8.A of Tender document	Gate Vave	Bidder understands that geared hand wheel is not required for Gate Valve as the maximum size is 16” and the application is water. Kindly confirm.	To be provided on as is where is basis.
49.	SECTION-X(B) PRICE SCHEDULE (PRICED) Pg 241 - Item No 8.A of Tender document	Gate Vave	In Price schedule its written CI in bracket bidder understands that the same is Cast Iron but as per Datasheet given in Pg 152 the body required is Cast Carbon steel ASTM A 216 Gr.WCB. Kindly confirm which is to be used/supplied.	Pl. refer Sl. No.1 of Addendum-III
50.	SECTION-X(B) PRICE SCHEDULE (PRICED) Pg 241 - Item No 8.A.vi of Tender document	50 NB Brass	Kindly provide Datasheet for this item	Tender condition Prevails.
51.		General	Please give us the location plan where the mooring hooks will be installed.	It should be provided on the Jetty and mooring dolphins.

**KOLKATA PORT TRUST**

**HALDIA DOCK COMPLEX**

**Tender No.: DM(P&E)/T/61/2019-2020**

**E-Tender No. 2020\_KoPT\_552085\_1**

**E-Tender under two cover system (Cover-I: Pre-qualification, Techno-commercial terms and Cover-II: Price cover) for work of “Design, Manufacture, Fabrication, Supply, Erection, Testing, Commissioning and handing over of firefighting facilities at 3rd Oil Jetty (HOJ-III) under two cover systems.”**

**♠ADDENDUM-III♠**

**CORRECTIONS / ADDITIONS / DELETIONS, ETC.**

**[Total Number of Pages: 3]**

**NOTE:**

1. This “Addendum-III” should be read in conjunction with this office above Tender Document.
2. Consequential changes, arising out of this Addendum-III, will be deemed to have been effected, even if the same were not incorporated specifically in the Tender Document.
3. One set of this “Addendum-III”, shall have to be submitted along with the Offer (in with each page of it, duly signed and stamped, as token of acceptance.
4. All other terms and conditions of this office above Tender Document will remain unchanged.

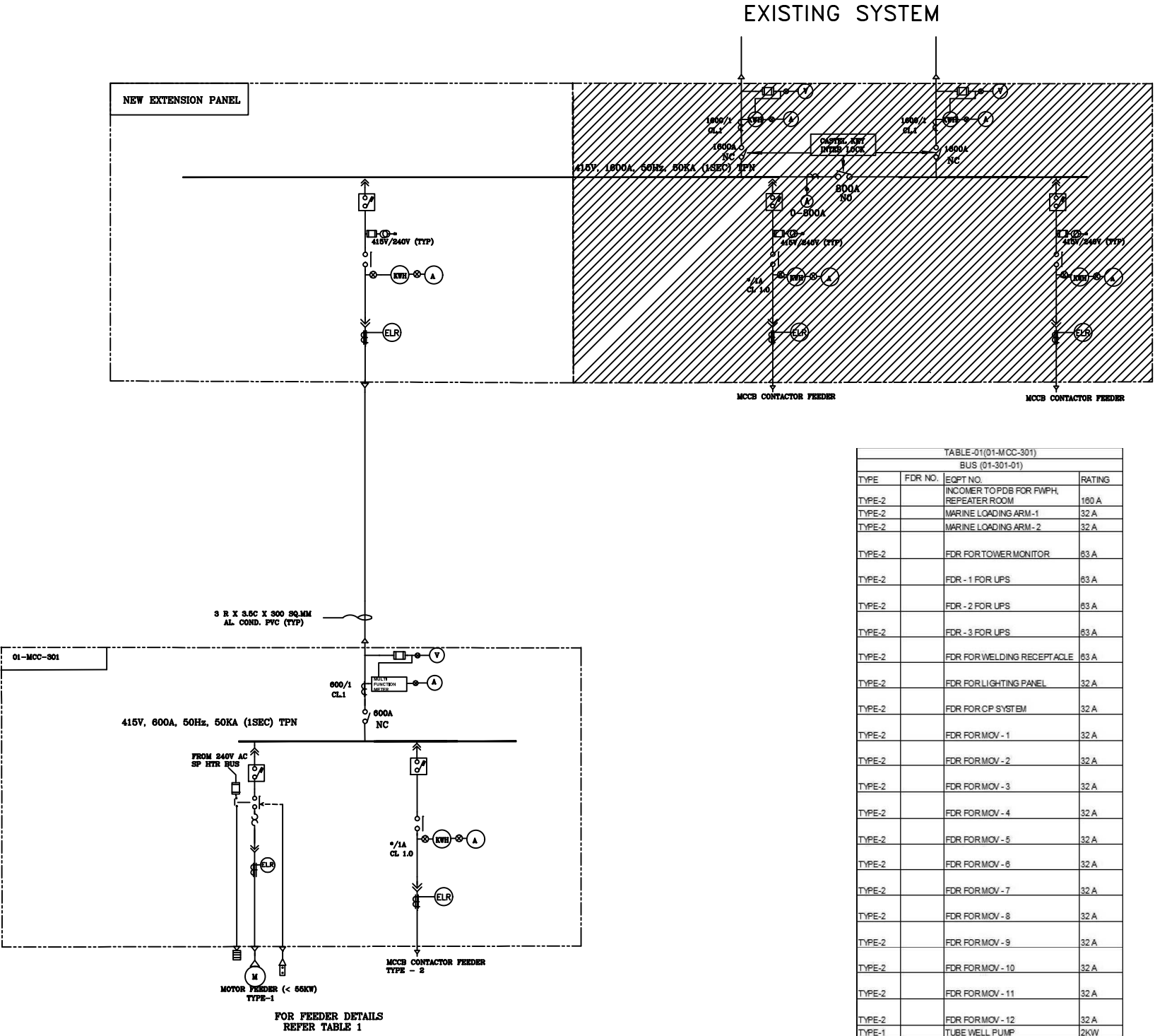
**HALDIA DOCK COMPLEX**  
**♠ ADDENDUM-III ♠**  
**Tender No.: DM(P&E)/T/61/2019-2020**

**Terms and conditions:**

<b>Sl. No.</b>	<b>Clause No./Ref. No.</b>	<b>Para/Line No./Page No.</b>	<b>As specified in the Tender Document.</b>	<b>To be Read as</b>
1.	<b>SECTION-X(A)</b> Sl.No.8A&B (i to vii)	Page-234 of tender document	i.400 NB Gate Valve (CI) ii.350 NB Gate Valve(CI) iii.250 NB Gate Valve(CI) iv.75 NB Gate Valve(CI) v. 50 NB Brass vi.350 NB NRV	i). 400 NB Gate Valve (Cast Steel) ii). 350 NB Gate Valve(Cast Steel) iii). 250 NB Gate Valve(Cast Steel) vi).75 NB Gate Valve(Cast Steel) v). 50 NB Gate Valve(Cast Steel) vi). 350 NB NRV(Cast Steel)
2.	<b>SECTION-X(A)</b> Sl.No.7	Page-234 of tender document	Design, supply, erection,testing & commissioning ofthe following Stainless-Steelpipe for Foam line etc.- <b>internal cement lined</b> along with bends,tees, reducers flanges,gaskets, bolt-nuts, washers,u-clamp supports and any otherfitting, painting as applicable,as per Technical specificationfor above ground piping systemincluding Excavation back fillingof trench and interconnectionbetween existing and newfacilities, as per TechnicalSpecification.	Design, supply, erection, testing & commissioning of the following Stainless-Steel pipe for Foam line etc.- along with bends, tees, reducers flanges, gaskets, bolt-nuts, washers, u-clamp supports and any other fitting, painting as applicable, as per Technical specification for above ground piping system including excavation back filling of trench and interconnection between existing and new facilities, as per Technical Specification.
3.	<b>SECTION-X(B)</b> Sl.No.7	Page-239 of tender document	Design, supply, erection,testing & commissioning ofthe following <b>Stainless-Steel pipe</b> for Foam line etc.- <b>internal cement lined</b> along with bends,tees, reducers flanges,gaskets, bolt-nuts, washers,u-clamp supports and any otherfitting, painting as applicable,as per Technical specificationfor above ground piping systemincluding Excavation back fillingof trench and interconnectionbetween existing and newfacilities, as per TechnicalSpecification.	Design, supply, erection, testing & commissioning of the following <b>Stainless-Steel pipe</b> for Foam line etc. along with bends, tees, reducers flanges, gaskets, bolt-nuts, washers, u-clamp supports and any other fitting, painting as applicable, as per Technical specification for above ground piping system including Excavation back filling of trench and interconnection between existing and new facilities, as per Technical Specification.

Sl. No.	Clause No./Ref. No.	Para/Line No./Page No.	As specified in the Tender Document.			To be Read as		
4.	<b>SECTION-X(A)</b> Sl.No.10	Page-235 of tender document	10	Water curtain nozzle as per OISD-156 std.		13	Water curtain nozzle as per OISD-156 std.	
			i	Design & Supply		i	Design & Supply	
			ii	Erection, Testing and Commissioning		ii	Erection, Testing and Commissioning	
5.	<b>SECTION-X(A)</b> Sl.No.13	Page-236 of tender document	13	Quick Release Mooring Hook.		10	Quick Release Mooring Hook.	
			i	Design & Supply		i	Design & Supply	
			ii	Erection, Testing and Commissioning		ii	Erection, Testing and Commissioning	

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**NOTES :-**

1. Single Line Diagram indicates proposed scheme of supply, & distribution of power for complete Jetty electrical works.
2. Equipment rating, wherever is indicated, shall be considered as minimum rating. Rating as required or as available shall be supplied. The Single Line Diagram shall accordingly be revised by Contractor.
3. MCCB's shall be 4 pole and non-drawout (fixed type).
4. Relay, Metering, lamps shown are indicative and minimum, Any Auxiliary Relay, Metering, lamps, control swith, required CT/PT Burden etc as deemed necessary for feeder function shall be provided.
4. Multifunction meter shall be communicable type. All data current, voltage & KWH shall be communicable to SCADA/PLC panel (supplied by others). Hookup of multi function meter to SCADA panel including supply & laying of cable is in bidder's scope.

**LEGENDS :**

- V VOLTMETER
- PF POWER FACTOR METER
- A AMMETER
- INDICATING LAMP
- KWH KWH METER
- AUTO/MANUAL SEL. SW.
- SWITCH
- HRC FUSE
- CONTACTOR
- CURRENT TRANSFORMER
- MCB
- VOLTAGE TRANSFORMER
- ELR EARTH LEAKAGE RELAY
- MCCB
- CBCT



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