

**KOLKATA PORT TRUST**

**HALDIA DOCK COMPLEX**

**Tender No.: DM(P&E)/T/54/2019-2020**

**E-Tender No. 2019\_KoPT\_516731**

**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-IV ♠**

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

**[Total Number of Pages:11 ]**

**NOTE:**

1. This “Addendum-IV” should be read in conjunction with this office above Tender Document.
2. Consequential changes, arising out of this Addendum-IV, 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-IV”, 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-IV ♠**  
**Tender No.: DM(P&E)/T/54/2019-2020**

**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. [As per Addendum-II]</b>	<b>To be Read as</b>
<b>1.</b>	Sl.No 5 of Addendum-II	3	The Revised BOQ enclosed as page no. 7 to 10 of Addendum-II.	REVISED PRICE SCHEDULE(2) attached from page no. 7 to 11 of Addendum-IV
<b>2.</b>	Clause No.5.12 of Tender document	16	The Bidder shall quote their price on-line (through CPPP portal only) as per the Price Schedule (Bill of Quantities) in the Price bid (Part-II), without any condition or deviation. Price indicated anywhere else, in any other form or manner, will not be considered for evaluation of Price Bid.	The Bidder shall quote their price on-line (through CPPP portal only) as per the Revised Price Schedule (2) attached as Annex-A from page no. 7 to 11 of this Addendum-IV and then quote in the soft copy of BoQ CPPP portal accordingly without any condition or deviation. Price indicated anywhere else, in any other form or manner, will not be considered for evaluation of Price Bid.
<b>3.</b>	Pre-Bid clarifications Sl.No.9	2	Please refer revised BoQ of Addendum-II and clause no- 6.31.8, 6.31.9 of tender document.	Refer to REVISED PRICE SCHEDULE(2) of Addendum-IV and clause no- 6.31.8, 6.31.9 of tender document
<b>4.</b>	Pre-Bid clarifications Sl.No.15	2	The damaged structure shall be replaced as is where is basis against Sl.No.5 of BOQ of Addendum-II.	The damaged structure shall be replaced as is where is basis against REVISED PRICE SCHEDULE(2) of Addendum-IV
<b>5.</b>	Pre-Bid clarifications Sl.No.16	3	Please refer <b>sl no-12 of revised BoQ.</b>	Please Refer to REVISED PRICE SCHEDULE(2) of Addendum-IV.

<b>Sl. No.</b>	<b>Clause No./Ref. No.</b>	<b>Para/Line No./Page No.</b>	<b>As specified in the Tender Document. [As per Addendum-II]</b>	<b>To be Read as</b>
<b>6.</b>	Pre-Bid clarifications Sl.No.20	3	Pl. refer revised BoQ (Addendum-II).	Pl. refer Sl. No 11 of REVISED PRICE SCHEDULE(2) of Addendum-IV.
<b>7.</b>	Pre-Bid clarifications Sl.No.21	3	Pl. refer revised BoQ (Addendum-II).	Pl. refer Sl. No 11 of REVISED PRICE SCHEDULE(2) of Addendum-IV.
<b>8.</b>	Pre-Bid clarifications Sl.No.23	3	Pl. refer revised BoQ (Addendum-II).	Pl. refer REVISED PRICE SCHEDULE(2) of Addendum-IV
<b>9.</b>	Pre-Bid clarifications Sl.No.27	4	Please refer revised BoQ sl no-8 A (vi) and	Please refer REVISED PRICE SCHEDULE(2) of Addendum-IV
<b>10.</b>	Pre-Bid clarifications Sl.No.31	4	Please refer revised BoQ.	Please refer REVISED PRICE SCHEDULE(2) of Addendum-IV
<b>11.</b>	Pre-Bid clarifications Sl.No.32	4	Please consider the existing Foam Tank Along with the Foam Pumps. However, the SS pipeline shall be replaced as per BoQ.	Please consider the existing Foam Tank along with the Foam Pumps are beyond the scope of contractor. However, the SS pipeline shall be replaced as per REVISED PRICE SCHEDULE(2) of Addendum-IV
<b>12.</b>	Pre-Bid clarifications Sl.No.36	5	As per revised BoQ, Isolation valve all electricals works considered the scope of work. However, the monitor shall be fixed flow type	As per REVISED PRICE SCHEDULE(2) of Addendum-IV, isolation valve and all electrical works shall be considered in the scope of work. However, the monitor shall be fixed flow type.
<b>13.</b>	Pre-Bid clarifications Sl.No.37	6	Plese refer revised BoQ and scope of work.	Please refer REVISED PRICE SCHEDULE(2) of Addendum-IV.

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<b>14.</b>	Pre-Bid clarifications Sl.No.41	7	Pl. refer revised BoQ (Addendum-II).	Please refer REVISED PRICE SCHEDULE(2) of Addendum-IV.
<b>15.</b>	Pre-Bid clarifications Sl.No.42	7	Please see sl no 35 above and revised BoQ (Addendum-II).	Please see sl no 35 of Pre-bid clarification and REVISED PRICE SCHEDULE(2) of Addendum-IV.
<b>16.</b>	Pre-Bid clarifications Sl.No.43	7	Please see revised BoQ (Addendum-II) and sl no-35 above.	Please see REVISED PRICE SCHEDULE(2) of Addendum-IV.and sl no 35 of Pre-bid clarification.
<b>17.</b>	Pre-Bid clarifications Sl.No.45	9	Please see sl no-1 above for P&ID. Layout drawing is enclosed as sl no-8 of Addendum-II. The bidder shall have to estimate the cable tray after visiting HDC site and quote as per sl no 12 of revised BoQ.	Please see sl no-1 of Pre-bid clarification for P&ID. Layout drawing is enclosed as sl no-8 of Addendum-II. The bidder shall have to estimate the cable tray after visiting HDC site and quote as per REVISED PRICE SCHEDULE(2) of Addendum-IV
<b>18.</b>	Pre-Bid clarifications Sl.No.46	9	Please see the revised BoQ (Addendum-II).	Please see the REVISED PRICE SCHEDULE(2) of Addendum-IV
<b>19.</b>	Pre-Bid clarifications Sl.No.49	9	1) Dismantling, shifting to the Yard/location under contractor's scope. Please refer revised BoQ at Item no.14. 2) The proposed fire fighting system are as per OISD-156 standard at HoJ-III for handling LPG/POL vessels.	1) Dismantling, shifting to the Yard/location under contractor's scope. Please refer REVISED PRICE SCHEDULE(2) of Addendum-IV 2) The proposed fire fighting system are as per OISD-156 standard at HoJ-III for handling LPG/POL vessels.
<b>20.</b>	Pre-Bid clarifications Sl.No.53	10	The bidder as separate BOQ shall consider fire detection system and automatic alarm system. Please see sl no-12 of revised BoQ (Addendum-II).	Fire detection system and automatic alarm system shall be included in Sl.No.11 of REVISED PRICE SCHEDULE(2) of Addendum-IV by the bidder.

<b>Sl. No.</b>	<b>Clause No./Ref. No.</b>	<b>Para/Line No./Page No.</b>	<b>As specified in the Tender Document. [As per Addendum-II]</b>	<b>To be Read as</b>
<b>21.</b>	Pre-Bid clarifications Sl.No.55	11	This item is a part of the scope of work under revised BoQ item no.10.	This item is a part of the scope of work under REVISED PRICE SCHEDULE(2) of Addendum-IV
<b>22.</b>	Pre-Bid clarifications Sl.No.63	11	Please refer Revised BoQ.	Please refer REVISED PRICE SCHEDULE(2) of Addendum-IV
<b>23.</b>	Pre-Bid clarifications Sl.No.67	12	Please refer Revised BoQ.	Please refer REVISED PRICE SCHEDULE(2) of Addendum-IV
<b>24.</b>	Pre-Bid clarifications Sl.No.68	12	Please refer item no.12(viii) of revised BoQ.	Please refer REVISED PRICE SCHEDULE(2) of Addendum-IV
<b>25.</b>	Pre-Bid clarifications Sl.No.69	12	Please refer Item no.9 of BoQ and its Technical specification.	Please refer REVISED PRICE SCHEDULE(2) of Addendum-IV and its technical specification.
<b>26.</b>	Pre-Bid clarifications Sl.No.71	14	Please see revised BoQ of Addendum-II.	Please see REVISED PRICE SCHEDULE(2) of Addendum-IV
<b>27.</b>	Pre-Bid clarifications Sl.No.74	14	Please see revised BoQ of Addendum-II.	Pl. refer Sl. No 11 of REVISED PRICE SCHEDULE(2) of Addendum-IV.
<b>28.</b>	Pre-Bid clarifications Sl.No.78	15	Water curtain system along with nozzles have to be supplied by the bidder as per revised BoQ sl no 11.	Water curtain system along with nozzles have to be supplied by the bidder as per REVISED PRICE SCHEDULE(2) of Addendum-IV
<b>29.</b>	Pre-Bid clarifications Sl.No.79	16	Please refer revised BoQ at Item no.12 (iii).	Please refer REVISED PRICE SCHEDULE(2) of Addendum-IV

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<b>30.</b>	Pre-Bid clarifications Sl.No.82	16	Please refer Revised BoQ.	Please refer REVISED PRICE SCHEDULE(2) of Addendum-IV
<b>31.</b>	Pre-Bid clarifications Sl.No.85	17	Any additional work beyond the scope of this tender including Addendums shall be carried out as extra work and as per mutually agreed rates between KoPT and the Contractor including variation in quantity of the revised BoQ.	Any additional work beyond the scope of this tender including Addendums shall be carried out as extra work and as per mutually agreed rates between KoPT and the Contractor including variation in quantity of the REVISED PRICE SCHEDULE(2) of Addendum-IV
<b>32.</b>	Pre-Bid clarifications Sl.No.88	17	Please refer revised BoQ at Item no.13.	Please refer REVISED PRICE SCHEDULE(2) of Addendum-IV
<b>33.</b>	Pre-Bid clarifications Sl.No.94	18	Agreed, cement lining is not required in stainless steel pipe. Sl no-7 of Revised BoQ may be referred to.	Agreed, cement lining is not required in stainless steel pipe. REVISED PRICE SCHEDULE(2) of Addendum-IV may be referred to.
<b>34.</b>	Pre-Bid clarifications Sl.No.95	18	50 NB Brass shall of of gate valve type. Please refer sl no-8 of revised BoQ.	50 NB Brass shall of gate valve type. Please refer REVISED PRICE SCHEDULE(2) of Addendum-IV.
<b>35.</b>	Pre-Bid clarifications Sl.No.97	18	BoQ sl no 7 A(viii) and 7 B(viii) are deleted from the scope of the contractor.	Please refer REVISED PRICE SCHEDULE(2) of Addendum-IV.
<b>36.</b>	Pre-Bid clarifications Sl.No.103	19	Please refer revised BoQ (Addendum-II).	Please refer REVISED PRICE SCHEDULE(2) of Addendum-IV.
<b>37.</b>	Pre-Bid clarifications Sl.No.116	20	Please refer revised BoQ.	Please refer REVISED PRICE SCHEDULE(2) of Addendum-IV.

**SECTION – X (A)**  
**REVISED PRICE SCHEDULE(2)**  
**(To be filled up and uploaded, duly signed & stamped)**

SL.NO	DESCRIPTION	Qty	Unit	Applicable GST%		
				CGST	SGST	IGST
<b>1</b>	Design, Supply, Erection, Testing & Commissioning of Electric motor driven <b>jockey pump</b> of 70 m <sup>3</sup> /hr discharge & 160 m head, strainers (Y type 2nos.) as per Technical Specification					
i.	Design & Supply	2	No.			
ii.	Erection, Testing & Commissioning	2	No.			
<b>2</b>	Design, Supply, Erection, Testing & Commissioning of Remote operated 6" <b>Tower monitor</b> on 20 mtr high tower, capacity 6000 LPM (complete with panel & accessories), as per Technical Specification.					
i.	Design & Supply	1	No			
ii.	Erection, Testing & Commissioning	1	No			
<b>3</b>	Design, Supply, Erection, Testing & Commissioning of <b>Ground Monitor</b> with isolation valve at elevated level with all insert plates, fixtures, clamps, SS fasteners pressure gauge dial type 150 mm size connected at monitor inlet pipe and supporting for riser pipe and monitor, orifice plates suitable to discharge 3000 LPM capacity at 12.25 kg/cm <sup>2</sup> with a horizontal throw range of 45m with electrical/electrohydraulic equipments for horizontal and vertical rotation with base operation as per Technical Specification.					
i.	Design & Supply	2	No.			
ii.	Erection, Testing & Commissioning	2	No.			
<b>4.</b>	Design, Supply, Erection, Testing & Commissioning of SS-316 size 63mm <b>Double Headed Fire Hydrant</b> with(landing valves as per BIS:5290) and isolation valve (100 NB), SS-316 with orifice plates to be placed below each hydrants and separate controls fitted with 63 mm instantaneous female coupling on each outlet along with 2 nos hose box stand with 15m long hose pipe each with end coupling with nozzles , as per Technical Specification.					

(i)	Design & Supply	8	No.			
(ii)	Erection, Testing & Commissioning	8	No.			
5	Design, supply, erection, testing & commissioning of the following <b>ERW steel pipe</b> - internal paint lined 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.					
A.	Design & Supply					
i.	400 NB	530	Mtr			
ii.	300 NB	105	Mtr			
iii.	250 NB	55	Mtr			
iv.	150 NB	65	Mtr			
v.	100 NB	150	Mtr			
B.	Erection, Testing & Commissioning					
i.	400 NB	530	Mtr			
ii.	300 NB	105	Mtr			
iii.	250 NB	55	Mtr			
iv.	150 NB	65	Mtr			
v.	100 NB	150	Mtr			
6	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.					
i.	100 NB Pipe	240	Mtr			
ii.	75 NB Pipe	120	Mtr			
iii.	40 NB Pipe	5	Mtr			
7	Design, supply, erection, testing & Commissioning of the following types of <b>Valves</b> , as per Technical Specification.					
A.	<b>Design &amp; Supply</b>					
i.	400 NB Gate Valve (Cast Steel)	7	No			
ii.	350 NB Gate Valve( Cast Steel )	3	No			
iii.	250 NB Gate Valve( Cast Steel )	1	No			



iv.	75 NB Gate Valve( Cast Steel )	2	No			
v.	50 NB Gate Valve( Cast Steel )	5	No			
vi.	50 NB Gate valve (Brass)	13	No			
vii.	350 NB NRV (Cast Steel)	3	No			
viii.	400 NB Gate Valve (CI)	7	No			
<b>B.</b>	<b>Erection, Testing &amp; Commissioning</b>					
i.	400 NB Gate Valve (Cast Steel)	7	No			
ii.	350 NB Gate Valve( Cast Steel )	3	No			
iii.	250 NB Gate Valve( Cast Steel )	1	No			
iv.	75 NB Gate Valve( Cast Steel )	2	No			
v.	50 NB Gate Valve( Cast Steel )	5	No			
vi.	50 NB Gate valve (Brass)	13	No			
vii.	350 NB NRV (Cast Steel)	3	No			
viii.	400 NB Gate Valve (CI)	7	No			
<b>8</b>	Design, supply, erection, testing & Commissioning of Hose box (750mm x 600mm x 250mm) along with 2nos.hose (IS-636: 63mm dia x 15 m long) each connected with end couplings (IS-903) , 2 nos. Branch pipe with nozzles (IS-903), as applicable, as per Technical Specification.					
<b>i.</b>	Design & Supply	2	No			
<b>ii.</b>	Erection, Testing & Commissioning	2	No			
<b>9</b>	Design, Installation, Testing & Commissioning of <b>Quick Release Mooring Hook</b> as per Technical Specification.					
<b>i.</b>	Design & Supply	6	No			
<b>ii.</b>	Erection, Testing & Commissioning	6	No			
<b>10</b>	Design, Installation, Testing & Commissioning of Water curtain nozzle as per Technical Specification.					
<b>i.</b>	Design & Supply	9	No			
<b>ii.</b>	Erection, Testing & Commissioning	9	No			
<b>11</b>	Design, Installation, Testing & Commissioning of following instrumentation and control system with complete accessories including FRP cable and FRP cable tray as per relevant standards. a.Gas detection system, detectors panels. Flame Proof Junction Box Panel.-1 lot b.Fire alarm and detection system, Triple IR flame detectors. Flame Proof manual call points. Smoke detectors. Response indicators. Heat detectors. 2 loop control panel (UL listed). Repeater panel-1 lot c. Sprinkler alarm system, alarm valve. QB. isolation valve . flow switches. GI pipe(c class) . fittings .					

	etc.-1 lot d. PA system, Panel . Speaker etc-1 lot e.Submersible type level transmitter (0 to 6m) with perforated guide tube etc.-2 nos f.Pressure Transmitter (0 – 21Kg/cm <sup>2</sup> ) with isolation manifold 3way (MOC SS316grade) as tube fittings etc.- 3 nos g. Pressure Gauge(0 – 21Kg/cm <sup>2</sup> ), 150mm dial full scale SS 316 grade, ½ "NTPM with 3way isolation valve for all pumps and monitors etc. to be supplied by him- 10 nos h. Local control panel with all accessories including mimic diagram Viz HMI, PLC for instrumentation and controls including complete with SCADA etc-LS					
i.	Design & Supply	LS				
ii.	Erection, Testing & Commissioning	LS				
12	Design, supply, erection, testing & Commissioning of <b>Portable fire extinguisher</b> , as per Technical Specification.					
A.	Design & Supply					
i.	9 kg. Capacity dry chemical	4	No			
ii.	6.9 kg capacity CO2 extinguishers on wheel	1	No			
iii.	75 kg capacity wheel mounted dry chemical powder fire extinguisher	2	No			
B.	Erection, Testing & Commissioning					
i.	9 kg. Capacity dry chemical	4	No			
ii.	6.9 kg capacity CO2 extinguishers on wheel	1	No			
iii.	75 kg capacity wheel mounted dry chemical powder fire extinguisher	2	No			
13	Dismantling of old MS works in joists, angles, plates, bracings, pipes of different sizes etc. including cutting rusty bolts and nuts etc. from damaged / corroded structures of jetty and stacking the materials at shore within 150 mtr. lead. Include for loading the dismantled steel materials into truck at Oil Jetty No 3 area, carriage of the materials overpucca road lead upto 2 Kms. and unload at the RZ Store of I&CF Division after weighment, stack properly in stack yard etc. as directed including carriage by head load upto a lead of about 30 m of each of the two points.	100	MT			

<b>14</b>	M.S. Structural works in columns beams etc. with simple rolled structural members (e.g. joists, angle, channel sections, plates etc conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-in charge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc welding conforming to IS: 816- 1969 & IS: 1995 using electrodes of approved make and brand conforming to IS:814- 2004, haulage, hoisting including surface preparation with painting related to Tower Monitor-2.	10	MT			
<b>15</b>	Main Fire water Pump with Diesel Engine (Capacity 900m <sup>3</sup> /hr, Head 160m). Strainers (POT type 3nos) including all accessories as per the Technical Specification.					
<b>i.</b>	Design & Supply	1	No			
<b>ii.</b>	Erection, Testing & Commissioning	1	No			

**NOTE:**

- The Tenderer shall furnish the quoted amount online through CPPP only.
- The Tenderer shall furnish applicable GST.
- HDC reserves the right not to consider any BoQ or part of quantity in execution stage as per site requirement
- The price for items included in Sl.No. 11 of this BoQ shall be quoted lumpsum in the soft copy of BoQ in Sl.No 11.

**DATE:**

**TENDERER**

**SEAL**