

**KOLKATA PORT TRUST**  
**HALDIA DOCK COMPLEX**

**Tender No.: SDM (P&E) / T21 / 2018-19**  
**E-Tender No. KoPT/Haldia Dock Complex/P&E Div/24/18-19/ET/324**

**E-Tender under single cover system (Pre-qualification, Techno-commercial terms and Price under single cover) for work of “Manufacture, supply and delivery of various types of Gear Boxes(as per Tender BoQ) for Ore & Coal Handling Plant, Haldia Dock Complex”.**

**♠ ADDENDUM-I ♠**

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

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

NOTE:

1. This “Addendum-I” should be read in conjunction with this office above Tender Document.
2. Consequential changes, arising out of this Addendum-I, 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-I”, 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-I ♠

Tender No.: SDM (P&E) / T/21 / 2018-19

#### Terms and conditions

Sl. No.	Clause No./ Ref. No.	Para /Line No./Page No.	As specified in the Tender Document	To be read as / Remarks
1.	<u>Clause No. 6.2</u> <u>Specification: General Technical.</u> <b>Worm shaft &amp; Worm wheel:</b>	Page-34	<b>Worm shaft &amp; Worm wheel:</b> The worm wheel and shaft if applicable shall be integral with its shaft and shall be manufactured from high quality alloy steel, case hardened on its threads and finished off, with ground and polished thread profiles. The worm wheels shall have steel disc centers and the rims shall be made from Centrifugally cast phosphor bronze.	Deleted
2.	<u>Clause No. 6.5</u> <u>Approval of Drawings</u>	Page-35	The Tenderers shall submit typical cross-section General Arrangement Drawing(s), along with the offer, to identify the parts. The input & output shaft extension outside the gear casing, shaft centre height from the base and the mounting dimensions must be clearly shown in the General Arrangement Drawing(s), which shall bear the certification, stamp and signature of the Tenderers.	Tenderers will have to submit all the drawings of HDC provided in tender duly signed and stamped along with the offer as a token of acceptance of tender terms and conditions.

3.	<b><u>Clause No. 6.6</u></b> <b><u>Quality Assurance Plan (QAP):</u></b>	Page-36	Within 21 days from the date of award of contract, the contractor (the successful Tenderer) shall submit 4 (four) sets of Quality Assurance Plan (QAP) for approval of the Sr. Dy. Manager (P&E). The QAP, so submitted, shall be approved by the Sr. Dy. Manager (P&E), HDC or his authorized representative within 21 days from the date of receipt of the QAP by HDC.	Successful tenderer should submit 4 (four) sets of Quality Assurance Plan (QAP) for approval of the Sr. Dy. Manager (P&E) along with the Drawings for approval of the HDC.
4.	<b><u>Clause No. 6.9</u></b> <b><u>Bill of Quantities: [BoQ Sl.No.2]</u></b>	page-37	Motor Power - 15 K	Motor Power- 15 KW Detail Dimensions motor and mounting Bracket may be taken after placement of order.
5.	<b><u>Clause No. 7.65.1</u></b> <b><u>Completion Period</u></b>	page-93	Delivery of the materials must be completed within 150(One Hundred and Fifty days) days <b>from the date of</b> issue of Letter of Acceptance (LOA) [i.e. <b>award of contract</b> ] by the supplier.	Delivery of the materials must be completed within 150 (One Hundred and Fifty) days <b>from the date of</b> approval of the Drawings by HDC. Delay in submission of drawings and QAP by the successful tenderers for approval of HDC beyond 21 days from the date of award of contract will be on party's account. Delay by HDC beyond 21 days for approving the drawings and QAP will be on account of HDC.

**Clarifications & comments of HDC, KoPT.**

**Queries/Observations/Suggestions/Requests for clarification of the prospective bidders and clarifications/comments of HDC, KoPT with respect to Pre-bid Techno-commercial Conference held on 29<sup>th</sup> November, 2018.**

**Subject:**

Tender No. **SDM(P&E) T/21/2018-2019** [e-Tender No. **KoPT/Haldia Dock Complex/P&E Div/24/18-19/ET/324**] for **"Manufacture, supply and delivery of various types of Gear Boxes(as per Tender BoQ) for Ore & Coal Handling Plant, Haldia Dock Complex to Haldia Dock Complex under single cover.**

Sl. No.	Reference & requirement as per the bidding documents.	Queries/Observations/Suggestions/Requests for clarification	Clarifications/Comments of HDC, KoPT
1)	<b><u>Clause No. 2.2.(a)[Page-2]</u></b> <b>TEST OF RESPONSIVENESS</b> Scanned copies of work order(s) for similar works, successful completion certificates (with performance) from clients indicating the date of completion, value of work done, etc.	1. We shall submit copies of order with execution documents like copy of RR/copy of consignment Note/Signed Challan.  2. As we are regular supplier of gearboxes of yours, we also request you to waive submission of documents for technical experience and details of machineries installed in the manufacturing unit for us.	As per Tender.
2)	<b><u>Clause No. 2.2(b)[Page-3]</u></b> <b>TEST OF RESPONSIVENESS:</b> Scanned copies of Annual Financial Turnover Statement (certified by CA) for the years 2015-16, 2016-17 and 2017-18 along with Balance Sheets and Profit & Loss Accounts.	1. Copy of balance sheet will be provided.  2. we shall not be able to submit the Bidding Form I, Section IX, Annual Turnover statement	As per tender

Sl. No.	Reference & requirement as per the bidding documents.	Queries/Observations/Suggestions/ Requests for clarification	Clarifications/Comments of HDC, KoPT
		separately where as we can submit the Last 3 years balance sheet with P& L accounts.	
3)	<b><u>Clause No. 2.2(d)[Page-3]</u></b> <b>TEST OF RESPONSIVENESS</b> Valid <b>Profession Tax Clearance Certificate (PTCC)</b> or Up-to-date <b>Profession Tax payment challan</b> , if applicable. If this is not applicable, the bidder must submit[upload] a declaration in this regard.	As the contract is for supply of gearboxes and there is no manpower deployment involved from our end, we understand documentation for PTCC, EPF and ESI is not applicable for us under Test of responsiveness (your clause 2.2)	As per Tender
4)	<b><u>Clause No. 2.2(e)[Page-3]</u></b> <b>TEST OF RESPONSIVENESS</b> Certificate for allotment of <b>Employees' Provident Fund (EPF) Code No. [Latest challan</b> is to be submitted (uploaded)], if applicable. If this is not applicable, the Bidder should submit [upload] a declaration (in the form of Affidavit), in this regard.		
5)	<b><u>Clause No. 2.2(f)[Page-3]</u></b> <b>TEST OF RESPONSIVENESS</b> Registration certificate of <b>Employees' State Insurance (ESI)</b> authority, if applicable. If this is not applicable, necessary document(s) [to establish Non-applicability], along with <b>affidavit, affirmed before a first-class Judicial Magistrate</b> to that effect, are to be submitted [uploaded]. Moreover, such bidder(s) shall have to submit a declaration, confirming that they will obtain registration certificate of ESI authority, if required , and they will indemnify <b>Kolkata Port Trust</b> against all damages & accident occurring to their labourer (including that of sub-contractor's labourers), in connection with the instant contract, in case they		

Sl. No.	Reference & requirement as per the bidding documents.	Queries/Observations/Suggestions/ Requests for clarification	Clarifications/Comments of HDC, KoPT
	become a Successful Bidder.		
6)	<p><b><u>Clause No. 6.2[Page-33]</u></b></p> <p><b>Specification: General Technical.</b></p> <p><b>Bearings:</b></p> <p>All shaft Bearings shall be anti-friction type, of capacity compatible with the class of mechanism of equipment. All Bearings must be strictly of SKF / FAG-make and should be duly inspected by a competent person of SKF / FAG – as the case may be.</p>	We can supply if SKF/FAG/INA bearings in our gear boxes. Please consider INA bearings.	As per tender
7)	<p><b><u>Clause No. 6.2[page-34]</u></b></p> <p><b>Specification: General Technical.</b></p> <p><b>Worm shaft &amp; Worm wheel:</b></p> <p>The worm wheel and shaft if applicable shall be integral with its shaft and shall be manufactured from high quality alloy steel, case hardened on its threads and finished off, with ground and polished thread profiles. The worm wheels shall have steel disc centers and the rims shall be made from Centrifugally cast phosphor bronze.</p>	Not applicable. Please delete	Deleted
8)	<p><b><u>Clause No. 6.2[Page-33]</u></b></p> <p><b>Specification: General Technical.</b></p> <p><b>Noise Level:</b></p> <p>Equipment shall be designed to operate with a noise level not exceeding 80 decibels measured at a distance of 1.2 m from reducer at a height of 1.5 meters above floor level.</p>	We can supply gear boxes with noise level max 87 dB(@ 1m distance). The measurement is carried out according to DIN EN ISO 9614 Part 2, using the sound-intensity method. Please consider.	As per Tender

Sl. No.	Reference & requirement as per the bidding documents.	Queries/Observations/Suggestions/ Requests for clarification	Clarifications/Comments of HDC, KoPT
9)	<p><b><u>Clause No. 6.2[Page-33]</u></b></p> <p><b>Specification: General Technical.</b></p> <p><b>Temperature Rise</b></p> <p>The allowable rise of temperature of the gearboxes is 40° C over ambient temperature</p>	In our gear Boxes temperature rise is oil ambient temperature + 45 Degree Celsius. Please Consider the same. According to ISO/TR 14179-1, oil sump temperature of the Gear Box can be upto 95 degree celcius.	As per Tender
10)	<p><b><u>Clause No. 6.5[page-35]</u></b></p> <p><b><u>Approval of Drawings</u></b></p> <p>The Tenderers shall submit typical cross-section General Arrangement Drawing(s), along with the offer, to identify the parts. The input &amp; output shaft extension outside the gear casing, shaft centre height from the base and the mounting dimensions must be clearly shown in the General Arrangement Drawing(s), which shall bear the certification, stamp and signature of the Tenderers.</p>	We can submit GA drawings of the gearbox within 21 days after receipt of purchase order for your approval. We can submit the spare part drawing and spare part list after the gear boxes manufactures. Please Consider.	Tenderers will have to submit all the drawings of HDC provided in tender duly signed and stamped along with the offer as a token of acceptance of tender terms and conditions.
11)	<p><b><u>Clause No. 6.6[page-36]</u></b></p> <p><b><u>Quality Assurance Plan (QAP):</u></b></p> <p>Within 21 days from the date of award of contract, the contractor (the successful Tenderer) shall submit 4 (four) sets of Quality Assurance Plan (QAP) for approval of the Sr. Dy. Manager (P&amp;E). The QAP, so submitted, shall be approved by the Sr. Dy.Manager (P&amp;E), HDC or his authorized representative within 21 days from the date of receipt of the QAP by HDC.</p>	We can submit the QAP after drawing approval for your approval.	Successful tenderer should submit 4 (four) sets of Quality Assurance Plan (QAP) for approval of the Sr. Dy. Manager (P&E) along with the Drawings for approval of the HDC.

Sl. No.	Reference & requirement as per the bidding documents.	Queries/Observations/Suggestions/ Requests for clarification	Clarifications/Comments of HDC, KoPT
12)	<p><b><u>Clause No. 6.7[page-36]</u></b></p> <p><b><u>Selection of Gear Boxes:</u></b></p> <p>The Tenderers must clearly specify the Selection methodology of all the Gear Boxes in their offer. The Thermal Rating of the Gear Box (es) should at least be equal to the Motor rating. The Gear Root Strength Factor must also be specified. In addition to the same, Technical Literatures / Brochures / Catalogues must be submitted by the Tenderers along with their offers.</p>	<p>1.We shall submit copy of our catalogues to justify our selection.</p> <p>2. Please note we can submit the value of Gear teeth safety according to DIN 3990/ DIN 3991.</p>	As per Tender
13)	<p><b><u>Clause No. 6.9[page-37]</u></b></p> <p><b><u>Bill of Quantities: [BoQ Sl.No.1]</u></b></p> <p>Yard Conveyor drive gearbox complete assembly base mounted { 3(three)stage reduction}, Helical Gearbox (complete assembly) fitted with gear coupling GC-12 as per HDC's Drawing no. 232.009 [Gear Coupling female Hub to be fitted on Gearbox output Shaft and male coupling hub for conveyor drive drum should be in Pilot Bore].</p> <p>Application - Yard Conveyor Drives.</p> <p>KW / HP Rating of 3.3 KV Motor - 150 KW.</p> <p>Input Speed - 1488 RPM.</p> <p>Nominal Ratio - 35.6 : 1.</p> <p>Mechanical Service Factor - 1.5 (min.).</p> <p>No. of Starts per Hour - 8 (max.).</p> <p>Duty type : Continuous.</p> <p>Ambient Temperature = 40° C.</p> <p>Ref. Drawing No.232.048(outline Dimensions of Gear Box for Coal Yard Conveyor)</p>	<p><b><u>Yard conveyor gearbox</u></b> – We recommend gearbox with case hardened and ground gear, pinions. As per desired torque requirement, the gearbox dimension will be as per standard and you may need to modify the base plate and motor arrangement. With standard optimized selection of gearboxes, the operating cost can be minimized. Please note we don't manufacture gear couplings in India. To consider the gear coupling in our scope, it will be bought out for us and as per the manufacturer's standard. The bore dia. as per the requirement will be maintained. Please consider.</p>	. As per Tender



Sl. No.	Reference & requirement as per the bidding documents.	Queries/Observations/Suggestions/ Requests for clarification	Clarifications/Comments of HDC, KoPT
14)	<p><b><u>Clause No. 6.9[page-37]</u></b></p> <p><b><u>Bill of Quantities: [BoQ Sl.No.2]</u></b></p> <p>Shaft mounted (hollow out put shaft) Vertical long travel Gearbox with shrink disc and with out motor. Vertical motor to be installed on the flange of the gearbox. Hollow out put shaft to be coupled with the long travel wheel shaft by shrink disc.</p> <p>Application - Long travel Drives of Coal Ship Loader.</p> <p>Motor Power - 15 K</p> <p>Input Speed - 1500 RPM.</p> <p>Nominal Ratio - 100 : 1.</p> <p>Mechanical Service Factor - 1.5 (min.).</p> <p>No. of Starts per Hour - 50 (max.).</p> <p>Duty type : Continuous.</p> <p>Ambient Temperature = 40° C.</p> <p>Gearbox mechanical rating - 21 KW @ 1000 RPM.</p> <p>Thermal capacity - @ 50° C - 47.25 KW</p> <p>No. of stage - 3.</p> <p>Reference Drawing. no. 232.049( Gear Box For LT Drive of Coal Ship Loader).</p> <p>The measurement of shaft may be taken from the existing gear at site.</p>	<p><b>Long travel drive gearbox</b> – We have not received the Motor details and motor mounting bracket dimension which is required for us consider in our scope. Please provide. We shall maintain the hollow shaft as mentioned in your drawing 232.049. Final approval is required from you during GA drawing submission</p>	<p>Motor Power - 15 KW</p> <p>Detail Dimensions motor and mounting Bracket may be taken after placement of order.</p>
15)	<p><b><u>Clause No. 6.9[page-37]</u></b></p> <p><b><u>Bill of Quantities: [BoQ Sl.No.3]</u></b></p> <p>Base mounted { 2 (two) stage reduction} Helical Gearbox (complete assembly), fitted with hold back unit on intermediate shaft &amp; complete gear coupling GC - 8 as per HDC's Drawing no.232.007 &amp; 232.019 [Coupling Hub on gearbox output shaft should be in finish bore to keyway condition with out fitting into the shaft. Coupling hub for conveyor drive drum should be in pilot bore].</p> <p>Application - Boom Conveyor Drive Drives of Coal Ship Loaders</p> <p>Motor Power - 132 KW.</p> <p>Input Speed - 1500 RPM.</p>	<p><b>Boom conveyor drive</b> - The gear coupling is a bought out item for us and will be as per the manufacturer's standard. The bore diameter as per the requirement will be maintained. Please consider</p>	<p>As per Tender</p>

Sl. No.	Reference & requirement as per the bidding documents.	Queries/Observations/Suggestions/ Requests for clarification	Clarifications/Comments of HDC, KoPT
	Nominal Ratio - 14 : 1. Mechanical Service Factor - 1.5 (min.). No. of Starts per Hour - 40 (max.). Duty type : Continuous. Ambient Temperature = 40° C. Shaft end with key's according to DIN 6885 Part - I Shape A <b>Reference Drawing No. 232.028(Gear Box Assembly for Boom Conveyor Drive of Coal Shiploaders)</b>		
16)	<b><u>Clause No. 7.65.1[page-93]</u></b> <b><u>Completion Period</u></b> Delivery of the materials must be completed within 150(One Hundred and Fifty days) days <b>from the date of</b> issue of Letter of Acceptance (LOA) [i.e. <b>award of contract</b> ] by the supplier.	1. 180 days from the receipt of approval of drawings which will be submitted within 3(three) weeks from the date of receipt of confirmed order. 2. Delivery of the gearboxes will be minimum 8 months from the date of receipt of approved GA drawing of the gearboxes.	Delivery of the materials must be completed within 150 (One Hundred and Fifty) days <b>from the date of</b> approval of the Drawings by HDC. Delay in submission of drawings and QAP by the successful tenderers for approval of HDC beyond 21 days from the date of award of contract will be on party's account. Delay by HDC beyond 21 days for approving the drawings and QAP will be on account of HDC.
17)	<b><u>Clause No. 7.71.2</u></b> <b><u>Terms of payment</u></b> Payment will be made on the basis of actual supply and delivery of materials in good condition and acceptance of the same at designated points and on submission of Bill accompanied with Inspection Certificate, if any, and challan duly signed by consignee or his authorized representative. The bills should be submitted in quadruplicate to Sr. Dy. Manager (P&E)'s Office with necessary documents e.g., receipted challan in duplicate, GST Invoice, guarantee certificate, inspection report, fitment certificate, test certificate if any. 90 % Payment will be made against supplier's clear bill within 30(thirty) days of receipt of satisfactory acceptance of materials at central store/ site. Balance 10 %.Payments will be made after installation and commissioning of the same or within 6 months from the date of delivery and acceptance at	90 % payment with 100 % taxes and duties within 30 days from the date of receipt of material at store and balance as per tender schedule.	As per Tender

Sl. No.	Reference & requirement as per the bidding documents.	Queries/Observations/Suggestions/ Requests for clarification	Clarifications/Comments of HDC, KoPT
	site, whichever is earlier. Payment shall be credited to supplier's bank account through NEFT/RTGS mechanism at all centers where such facilities are available in the bank. Accordingly bidders are requested to submit their bank Account No with the name and address of the bank along with the branch name account no. and IFS code number in the bill		