

**SYAMA PRASAD MOOKERJEE PORT, KOLKATA**  
**(Formerly Kolkata Port Trust)**  
**HALDIA DOCK COMPLEX**



श्यामा प्रसाद मुखर्जी पोर्ट, कोलकाता  
**SYAMA PRASAD MOOKERJEE PORT, KOLKATA**  
Formerly Kolkata Port Trust

**ENGINEERING DEPARTMENT INVITE E-TENDER**

**[E-Tender No. SDM(P&E)/T/03/2022-2023]**

**FOR**

**Supply, Installation, Testing & Commissioning of Liquid  
Medical Oxygen (LMO) storage tank & accessories, Gas  
pipeline system (MGPS) including comprehensive  
operation and maintenance for five years**

**April– 2022**

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**SYAMA PRASAD MOOKERJEE PORT, KOLKATA  
(FORMERLY KOLKATA PORT TRUST)  
HALDIA DOCK COMPLEX  
SHORT E-TENDER NOTICE**

**E-Tender No. SDM(P&E)/T/03/2022-2023**

Online e-tenders are invited for the work of **“Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years”**

Date of Pre-Bid meeting: **22.04.2022**, 11:00 Hrs. onwards (on-line /off-line).

Closing date & time of online submission of e-tender: **24.05.2022**, up to 15:00 Hrs.

For details of tender and any corrigendum / addendum, please visit **RailTel’s e-Nivida Portal’s** [e-portal <https://kopt.enivida.in>].

**General Manager (Engineering)  
Haldia Dock Complex  
SMP, Kolkata**

**SYAMA PRASAD MOOKERJEE PORT, KOLKATA  
(FORMERLY KOLKATA PORT TRUST)**

**HALDIA DOCK COMPLEX  
NOTICE INVITING E-TENDER**

**(E-Tender No. SDM(P&E)/T/03/2022-2023)**

E-Tenders, under single stage two part system [Pre-qualification & Techno-commercial Bid and Price Bid] are invited on behalf of Haldia Dock Complex (HDC), Syama Prasad Mookerjee Port, Kolkata (SMP,Kolkata), from the intending bidders, fulfilling the “**Minimum Eligibility Criteria (MEC)**” and complying with the “Other documents” for the work of “**Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years**”

**2.1 MINIMUM ELIGIBILITY CRITERIA (MEC):**

- 2.1.1** The average annual financial turnover of the bidder, during the last three (3) years, ending 31<sup>st</sup> March 2020, must be at least **₹ 35,99,140.00**. Auditor’s Report of the bidding firm, certified by Chartered Accountant (CA), for the years 2018-19, 2019-20 and 2020-21 including relevant Audited Balance Sheets and Profit & Loss Accounts, should be made available.

Note: The bidder upload the scanned copies of Annual Financial Turnover Statement (certified by CA) for the years 2018-19, 2019-20 and 2020-21 along with Balance Sheets and Profit & Loss Accounts. ***In case the bidder fails to submit Audited Balance Sheets and Profit & Loss Accounts for the year 2020-21, Audited Balance Sheets and Profit & Loss Accounts for the year 2017-18 would be considered for calculation of average annual financial turnover.***

- 2.1.2** The bidders must have experience of having successfully completed “Similar Works” [defined below] during last seven (7) years, ending last day of month previous to the one in which tenders are invited, and the experience must be either of the following :-

a) Three similar completed works of contract value not less than **₹ 47,98,853.00** each.

Or

b) Two similar completed works of contract value not less than **₹ 59,98,566.00** each.

Or

c) One similar completed work of contract value not less than **₹ 95,97,706.00**

The term “*similar works*” means –

- i) **Firms having experience in “Supply, Installation, Testing & Commissioning of medical gas pipeline system (MGPS) and or LMO system for medical use in any Government/private Hospitals.**

**Note:** The bidder(s) will upload the scanned copies of work order(s) for similar works, successful completion certificates (with performance) from clients indicating the date of completion and value of work done.

## b) DOCUMENTS

### 2.2.A. ESSENTIAL DOCUMENTS:

The bidder should also upload scanned copies of the following documents along with bids;

- a) Scanned copies of **Audited Balance Sheets and Profit & Loss Accounts for the years 2018-19, 2019-20 and 2020-21 or 2017-18, 2018-19 and 2019-20 as the case may be.**
- 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 above executed work(s) etc.  
  
***Work Experience as a sub-contractor or supply contractor shall not be considered as requisite qualification.***
- c) Scanned copy of **Power of Attorney (if applicable).**
- d) Earnest Money, Bid document fee receipt or documents supporting exemption from EMD, Bid Document Fee (As applicable)

### 2.2. B. OTHER DOCUMENTS:

- i. Goods and Services Tax (GST) Registration Certificate, issued by Government of India.
  - ii. Valid **Profession Tax Clearance Certificate (PTCC) or Up-to-date Profession Tax payment challan**, if applicable. If this is not applicable, the bidder must submit [upload] a declaration in this regard.
  - iii. Certificate for allotment of **Employees' Provident Fund (EPF) Code No. [Latest challan 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.
  - iv. Registration certificate of **Employees' State Insurance (ESI)** authority, if applicable.
  - v. If this is not applicable, necessary document(s) [to establish Non- applicability], along with **affidavit, affirmed before a first-class Judicial Magistrate** 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 Syama Prasad Mookerjee Port, **Kolkata** against all damages & accident occurring to their labourer (including that of sub-contractor's laborers), in connection with the instant contract, in case they become a SuccessfulBidder.
  - vi. PAN Card, issued by Income Tax Department, Government of India.
  - vii. Certificate of **MSME / Micro & Small Enterprises (MSEs) / DIC / SSI / National Small Industries Corporation (NSIC)** to get benefit in this regard.
- c) The bidders are required to submit bid as per the instructions of the instant bidding documents (including Notice Inviting e-Tender). Bid will be considered rejected if any of the essential documents as mentioned in Clause no. 2.2.A is not submitted by the bidder. Essential documents means papers related to "Minimum Eligibility Criteria (MEC)", including Bid Document fee, Earnest Money Deposit/ Bid security Declaration and Power of Attorney.

**d) AVAILABILITY OF THE BIDDING DOCUMENTS:**

The bidding documents (in full) would be available in the following websites:-

- <https://eprocure.gov.in/eprocure/app> of **Central Public Procurement Portal**.
- <http://www.kolkataporttrust.gov.in> of **SMP, Kolkata [Formerly Kolkata Port Trust]**.
- <https://kopt.enivida.in> of **E-Nivida Portal**.

Corrigenda, Addenda, Queries & Clarifications, if any, would also be available in the aforesaid websites.

**e) PARTICIPATING IN THE BIDDING PROCESS:**

- The bidders will have to participate in the electronic bidding process through the website of <https://kopt.enivida.in> of **E-Nivida** only.

**General Manager (Engineering)**  
**Haldia Dock Complex**  
**SMP, Kolkata**

## **SCHEDULE OF TENDER (SOT)**

**E-Tender No. SDM(P&E)/T/03/2022-2023**

<b>3.1.</b>	<b>Name of work</b>	:: <b>Supply, Installation, Testing &amp; Commissioning of Liquid Medical Oxygen (LMO) storage tank &amp; accessories, Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years</b>
<b>3.2.</b>	<b>Tender Inviting Authority</b>	:: <b>General Manager (Engg.), Haldia Dock Complex, SMP, Kolkata</b>
<b>3.3.</b>	<b>Mode of Tender</b>	:: <b>e-Procurement System.</b> Online (Single Part <b>Pre-qualification &amp; Techno-commercial Bid and Price Bid</b> ) through <a href="https://kopt.enivida.in">https://kopt.enivida.in</a> of e-Nivida.  <b>No physical tender is acceptable by Haldia Dock Complex, SMP, Kolkata.</b>
<b>3.4.</b>	<b>Estimated Cost</b>	:: <b>₹1,19,97,132.00</b> (excluding GST).
<b>3.5.</b>	<b>i) Bid Document Fee (Cost of bidding documents)</b>	:: The intending bidders should deposit <b>Rs 2,950.00 (Indian Rupees: Two thousand nine hundred and fifty) only [including GST @ 18%]</b> , as Bid document Fee (non-refundable), to Haldia Dock Complex, through DD/Banker Cheque in favour of Syama Prasad Mookerjee Port, Kolkata on any Scheduled/Nationalized Bank payable at Haldia, otherwise their offer will be summarily rejected. Copy of the DD/Banker's Cheque should be uploaded. In case the aforesaid Bid Document fee [non- refundable] is not deposited by the Bidder, the respective bid will be summarily rejected, treating the same as non- responsive.  <b>For exemption of Bid Document Fee:- Bidders to upload the scanned copy of the certificate from MSME/ Micro &amp; Small Enterprises (MSEs) / DIC / SSI /National Small Industries Corporation (NSIC) or any empowered Central / State Govt. authority is required in electronic format.</b>
	<b>ii) Earnest Money Deposit (EMD)</b>	:: The intending bidders must deposit <b>Rs. 2,39,943.00</b> (Indian Rupees: <i>Two lakh thirty nine thousand nine hundred and forty three</i> ) only, as Earnest Money, to Haldia Dock Complex, through DD / Banker's Cheque in favour of <i>Syama Prasad Mookerjee Port Kolkata, Haldia Dock Complex</i> on any Scheduled / Nationalized Bank , payable at Haldia , otherwise, their bid will be summarily rejected, treating the same as nonresponsive. 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.

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**Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years**

			<p>NOTE ::</p> <p>i) <b>Bid Document Fee/ Exemption of Bid Document fee and</b> to be physically deposited at the office of Tendering Authority [General Manager (Engg)], Haldia Dock Complex, 2nd floor, Annex Building Jawahar tower; P.O. Haldia Township,</p>
			<p>Demand Draft /Banker's Cheque against cost of <b>bidding</b> document, should be submitted/deposited on any scheduled/ nationalized Bank, by the bidder in favour of Syama Prasad Mookerjee Port, Kolkata payable at Haldia before opening of the tender, as specified in the Tender Document.</p>
	<p>iii) <b>RailTel Tender Processing Fee (Non refundable)</b></p>		<p>a ) Mode of Payment:- E-payment Only through Debit /Credit Card or Net Banking.</p> <p>b ) Tender Processing Fee (TPF)- 0.1% of estimate cost (Minimum 750/- and Maximum 7500/-) plus GST @ 18%.</p> <p>c ) Registration Charges: Rs. 2000/- + Applicable GST Per Year.</p> <p><b>Note:</b></p> <p>1. The bidders, who are not yet to be registered with RailTel, are advised to get themselves registered with RailTel, at least 72 (seventy-two) hours prior to bid submission.</p> <p>2. Bidders are required to ensure that their corporate email id provided is valid and updated at the stage of registration of vendor with <b>RailTel's e-Nivida Portal</b> (i.e. Service Provider).</p>
3.6.	<b>Completion Period</b>	::	100 days
3.7.	<b>Bid Validity</b>	::	180 days.
3.8.	<b>Performance Bank Guarantee / Security Deposit</b>	::	3 % of the Contract Value excluding GST during guarantee period of 12 months for complete project.
3.9.	<b>Guarantee Period</b>	::	12 months.
3.10.	<b>Date, time and venue of Pre-Bid Meeting (on-line /off-line).</b>	::	<p><b>22.04.2022 at 11:00 Hrs (IST).</b></p> <p>Office of General Manager (Engineering), 2<sup>nd</sup> floor, Annex Building Jawahar tower; P.O. Haldia Township,</p> <p>Dist. Purba Medinipur; PIN: 721 607; West Bengal; India.</p>



3.11	<b>Last date and time for physical deposition of Earnest Money to the office of Tender Authority of SMPK, Haldia Dock Complex.:</b>		24.05.2022 up to 15:00 Hrs. (IST). (Scanned copy of the DD/Banker's Cheque should beuploaded on line)
3.12.	i) <b>Publish date of e-Tender</b> at <a href="https://kopt.enivida.in">https://kopt.enivida.in</a>	::	<b>13.04.2022</b>
	ii) <b>Closing date &amp; time of submission of e-Tender</b> at <a href="https://kopt.enivida.in">https://kopt.enivida.in</a>	::	<b>24.05.2022 up to 15:00 Hrs. (IST).</b>
	iii) <b>Date &amp; time of opening of (Techno- commercial &amp; Price Bid)</b>	::	<b>24.05.2022 up to 15:30 Hrs. (IST) onwards.</b>
3.13.	<b>Address of the Employer</b>	::	<b>Syama Prasad Mookerjee Port, Kolkata</b> <b>(Formerly Kolkata Port Trust)</b> 15 Strand Road, Kolkata – 700 001, West Bengal, India.
3.14.	<b>Address of Engineer</b>	::	<b>General Manager (Engineering),</b> Haldia Dock Complex, <b>Syama Prasad Mookerjee Port, Kolkata.</b>  <b>Address:</b> Engineering Department Jawahar Tower Complex 2 <sup>nd</sup> floor, Annexbuilding P.O. Haldia Township; Dist. Purba Medinipur ; PIN: –721607, West Bengal, India.  <b>Telephone no. : + 91-3224-264496</b> <b>E. mail : <a href="mailto:aganesan.hdc@kolkataporttrust.gov.in">aganesan.hdc@kolkataporttrust.gov.in</a></b>

3.15.	Address of the Engineer's representative	:: Shri A.K Maiti, Dy. Manager (P&E), Haldia Dock Complex, Operational Administrative Building (1 <sup>st</sup> floor), Chiranjibpur; P.O. Haldia, Dist. Purba Medinipur; PIN: 721 604; West Bengal; India. <b>Telephone no. :</b> + 91-3224-252526 <b>Mobile no. :</b> + 91 94340 31336 <b>E. mail :</b> <a href="mailto:akmaity.hdc@kolkataporttrust.gov.in">akmaity.hdc@kolkataporttrust.gov.in</a>
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**General Manager (Engineering)**  
 Haldia Dock Complex  
**Syama Prasad Mookerjee Port**

## SECTION – IV

### INSTRUCTIONS FOR ONLINE BID SUBMISSION

#### 4.1 Introduction:

- 4.1.1** Bidders are requested to use internet Browsers Firefox version below 50 / Internet Explorer version 8 or above, and Java 8 Update 151 or 161.
- Further, bidders are requested to go through the following information and instructions available on the RailTel, <https://kopt.enivida.in>, before responding to this e-tender :
- Bidders Manual Kit
  - Help for Contractors
  - FAQ
- 4.1.2** The intending bidders are requested to go through the “**Instructions To Bidders (IB)**” and contents of this bidding document, including all terms & conditions and Technical Specifications, before submitting online tender. Bidders who do not comply with the requirements / conditions, with documentary proof (wherever required), will not qualify in the tender.
- 4.1.3** **SPECIAL NOTE:**  
**THE PRE-QUALIFICATION & TECHNO-COMMERCIAL BID AND PRICE BID SHALL HAVE TO BE SUBMITTED ON-LINE AT <https://kopt.enivida.in> only.**
- 4.1.4** Possession of valid Digital Signature Certificate (DSC) and Registration of the intending bidder with RailTel are pre-requisites for the instant e-Tendering.
- 4.1.5** The online tender should be submitted strictly as per the terms and conditions and procedures laid down in the website <https://kopt.enivida.in>.
- 4.1.6** All entries in the tender should be entered in online Technical & Commercial formats, without any ambiguity.
- 4.1.7** The e-Tender platform shall remain open from the pre-announced date & time and for as much duration as mentioned in the Schedule of Tender (SOT).
- 4.1.8** E-tender cannot be accessed after the closing date and time of e-Tender, mentioned in the Schedule of Tender (SoT) of the instant bidding documents.
- 4.1.9** The intending bidders are requested to submit their bids, keeping sufficient time in hand.

**4.1.10** In case of any clarification regarding online submission of bids, the intending bidders are requested to contact HDC / RailTel, well in advance, keeping sufficient time in hand.

**4.1.11 Contact person (Haldia Dock Complex):**

- (i) Shri A.K Maiti,  
Designation: Dy. Manager (P&E),  
Mobile No. + 91 94340 31336  
Landline: + 91-3224-252526  
E-mail : akmaity.hdc@ **kolkataporttrust.gov.in**
- (ii) Sri Samrat Maji,  
Designation: Asst. Manager  
Mobile No. + 91 94340 31364  
Landline: + 91-3224-252577  
e-mail : smaji.hdc@ **kolkataporttrust.gov.in**

**Contact persons (RailTel Portal):**

- (i) Shri Siddharth Ghosh  
Mobile No.: + 91 9355030604  
E-mail : ewizardsiddharth@gmail.com
- (ii) Shri Deepak Jha  
Mobile No.: +91 8448288981  
E-mail : ewizarddipak@gmail.com

**4.1.12 Bidding in e-tender:**

- (i) The bidders must upload all the documents required as per the instant bidding documents (including Notice Inviting e-Tender). Any other document uploaded, which is not required as per the instant bidding documents (including Notice Inviting e-Tender), shall not be considered.
- (ii) Details of cost of e-tender paper remitted should be entered by the participating bidder in the space provided in the e-tender as indicated hereunder:
  - a) Name of remitting bidder :
  - b) Tender No. :
  - c) Amount remitted :
  - d) Date of remittance :
  - e) DD/BC No.:
- (iii) Details of Earnest money remitted should be entered by the participating vendor/contractor in the space provided in the e-tender as indicated hereunder:
  - a) Name of remitting bidder :
  - b) Tender No. :
  - c) Amount remitted :
  - d) Date of remittance :

e) DD/BC No.:

- (iv) For exemption of Bid Document Fee and EMD certificate from MSME / Micro & Small Enterprises (MSEs) / DIC / SSI / National Small Industries Corporation (NSIC) or any empowered Central / State Govt. authority is required. Micro & Small Enterprises (MSEs) registered with NSIC under Single Point Registration Scheme (SPRS) are eligible to get the benefits under new Public Procurement policies for MSEs as notified by the government of India, Ministry of Micro, Small & Medium Enterprises (MSME) in The Gazette of India vide No. 503, dated 26.03.2012. Micro & Small Enterprises (MSEs) registered with NSIC under Single Point Registration Scheme (SPRS) are eligible to get the benefits under new Public Procurement policies for MSEs as notified by the Government of India, Ministry of Micro, Small & Medium Enterprises (MSME) in The Gazette of India vide No. 503, dated 26.03.2012.
- (v) When splitting of tender quantity is not possible purely on technical ground, Trustees reserve the right not to negotiate price with MSE if their price is within the band of L1+15% in comparison with L1 price of non-MSE for consideration of award of order for 20% of tender quantity against any item as per new public procurement policy.  
If Micro & Small Enterprises (MSEs), registered with NSIC [under single point registration scheme] intend to participate with respect to items for which they are not registered with NSIC, then they will have to deposit full amount of Bid Document Fee and Earnest Money, in accordance with the Schedule of Tender (SoT). Otherwise, their offer with respect to such items (for which they are not registered with NSIC) will not be considered.
- (vi) Unit of Measure (UOM) is indicated in the e-Tender platform. Rate to be quoted should be in Indian Rupees, as per UOM indicated in the e-Tender platform or in the bidding documents.
- (vii) The bidders should quote their offered prices appropriately, only in the Price Bid link. Price indicated anywhere else, in any other form or manner, will not be considered for evaluation of Price Bid.

## 4.2 Other Instructions related to e-Procurement:

- 4.2.1 The Techno-commercial Bid and the Price Bid shall have to be submitted online at <https://kopt.enivida.in> Tenders will be opened electronically on specified date and time as given in the Tender.
- 4.2.2 All entries in the tender should be entered in online Technical & Commercial Formats without any ambiguity.
- 4.2.3 Information about tenders /corrigendum uploaded shall be sent by email only during the process till finalization of tender. Hence the vendors are required to ensure that their corporate email I.D. provided is valid and updated at the time of registration of vendor with <https://kopt.enivida.in>. Vendors are also requested to ensure validity of their DSC

(Digital Signature Certificate).

**4.2.4**

E-tender cannot be accessed after the due date and time mentioned in NIT.

Bidding in e-tender :

- a. Vendor(s) need to submit necessary EMD and Tender fees to be eligible to bid online in the e-tender. Tender fees are non refundable. No interest will be paid on EMD. EMD of the unsuccessful vendor(s) will be refunded by the tender inviting authority.
- b. The process involves Electronic Bidding for submission of Technical and Commercial Bid.
- c. In all cases, vendor should use their own ID and Password along with Digital Signature at the time of submission of their bid.
- d. During the entire e-tender process, the vendors will remain completely anonymous to one another and also to everybody else.
- e. The e-tender floor shall remain open from the pre-announced date & time and for as much duration as mentioned above.
- f. All electronic bids submitted during the e-tender process shall be legally binding on the vendor. Any bid will be considered as the valid bid offered by that vendor and acceptance of the same by the Buyer will form a binding contract between Buyer and the Vendor for execution of supply. It is mandatory that all the bids are submitted with digital signature certificate otherwise the same will not be accepted by the system.
- g. Buyer reserves the right to cancel or reject or accept or withdraw or extend the tender in full or part as the case may be without assigning any reason thereof.
- h. No deviation of the terms and conditions of the tender document is acceptable. Submission of bid in the e-tender floor by any vendor confirms his acceptance of terms & conditions for the tender.

**4.2.5**

Any order resulting from this tender shall be governed by the terms and conditions mentioned therein.

**4.2.6**

No deviation to the technical and commercial terms & conditions are allowed.

**4.2.7**

The tender inviting authority has the right to cancel this e-tender or extend the due date of receipt of bid(s) without assigning any reason thereof.

**4.2.8**

Vendors are requested to read the vendor guide and see the video in the page [kopt.enivida.in](http://kopt.enivida.in) to familiarize them with the system before bidding.

**4.2.9**

No deviation of the terms and conditions of the tender document is acceptable. Submission of bid in the e-tender floor by any bidder confirms his acceptance of terms & conditions for the tender.

**4.2.10**

The bidders must upload all the documents required as per terms of NIT. Any other document uploaded which is not required as per the terms of the NIT shall not be considered.

**4.2.11**

The bid will be evaluated based on the filled-in technical & commercial formats.

**4.2.12**

The documents uploaded by bidder(s) will be scrutinized. In case any of the information

furnished by the bidder is found to be false during scrutiny, EMD of defaulting bidder(s) will be forfeited. Punitive action including suspension and banning of business can also be taken against defaulting bidders.

**4.2.13** Necessary addendum/ corrigendum (if any) of tender would only be hosted in the e-tendering portal of RailTel.

**4.2.14** Due date of submission of tender will not be extended under any situation.

**4.3 RailTel Tender Processing Fee ( Non refundable)**

Mode of Payment:- E-payment Only through Debit/Credit Card or Net Banking.

Tender Processing Fee(TPF)- 0.1% of estimate cost (Minimum 750/- and Maximum 7500/-) plus

GST @18%.

Registration Charges: Rs. 2000/- + Applicable GST Per Year

## **SECTION – V**

### **INSTRUCTIONS TO BIDDERS (ITB)**

#### **A. GENERAL**

##### **5.1 Definition and interpretations :**

- (a) the term “in writing” means communicated in written form (i.e. by mail, e-mail, fax, telex, etc.) and delivered against receipt;
- (b) except where the context requires otherwise, words indicating the singular also include the plural and words indicating the plural also include the singular;
- (c) “day” means calendar day; and
- (d) “Procurement” means the entire work requirements, as specified in **Section VI Technical Specification.**

##### **5.2 Fraud and corruption**

**5.2.1** It is the policy of **SMP, Kolkata (Formerly KoPT)** to require that bidders, Contractors, Sub-contractors, and Consultants, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, **SMP, Kolkata :**

- (a) defines, for the purposes of this provision, the terms set forth below as follows:
  - (i) “**corrupt practice**” means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution;
  - (ii) “**fraudulent practice**” means a misrepresentation or omission of facts, in order to influence a public procurement process or the execution of a contract;
  - (iii) “**collusive practice**” means a scheme or arrangement between two or more bidders, designed to establish Bid Prices at artificial, non-competitive levels;
  - and
  - (iv) “**coercive practice**” means harming, or threatening to harm, directly or indirectly, persons or their property to influence their participation in procurement process or affect the execution of a contract;
- (b) will reject a proposal for award, if it determines that the bidder, recommended for award, has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the contract in question;
- (c) Will terminate contract, if it determines at any time that representatives of SMP, Kolkata engaged in corrupt, fraudulent, collusive, or coercive practices during the procurement or the execution of that contract ;
- (d) Will sanction a firm or individual, including declaring them ineligible, either indefinitely or for a stated period of time, to be awarded a contract if it at any time determines that they have, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for, or in executing, a contract;



and

- (e) Will have the right to require that a provision be included in Bidding Documents and in contracts, requiring bidders, contractors, subcontractors, and consultants to permit SMP, Kolkata to inspect their accounts and records and other documents relating to the bid submission and contract performance.

**5.2.2** Furthermore, bidders shall be aware of the provision stated in GCC.

### **5.3 Eligible bidders**

**5.3.1** A Bidder, and all parties constituting the Bidder, **should have the nationality of any country**. A Bidder shall be deemed to have nationality of a country if the Bidder is a citizen or is constituted, incorporated, or registered and operates in conformity with the provisions of the laws of the country. This criterion shall also apply to the determination of the nationality of proposed subcontractors or contractors for any part of the contract, including related services

**5.3.2** A Bidder shall not have a conflict of interest. Any Bidder found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest for the purpose of this bidding process, if the Bidder and one or more parties :

- (a) Submit more than one bid in this bidding process.

Or

- (b) are or have been associated in the past, with a firm or any of its affiliates which have been engaged by **SMP, Kolkata** to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under the instant Bidding Documents.

**5.3.3** Participating by a Bidder in more than one bid shall result in the disqualification of all bids, in which such Bidder is involved.

**5.3.4** A Bidder that is under a declaration of ineligibility by **SMP, Kolkata**, in accordance with **ITB Clause No.5.2**, at the date of contract award shall be disqualified.

### **5.4 Authority in signing the bid / offer**

**5.4.1** In case the bid is submitted by a **Proprietorship Firm**, the same should be signed either by the **Proprietor** or other person(s), holding a valid **power of attorney / authorisation** from the proprietor, in connection with this bidding process. The signature of such power of attorney holder(s) / authorised person(s) should be attested by the proprietor. Such **power of attorney / authorisation** should be uploaded along with **Techno-commercial Bid [Part I]**.

**5.4.2** In case the bid is submitted by a **Partnership Firm**, the same should be signed either by the partner(s), holding valid **power of attorney** from the partners or other person(s), holding valid **authorisation** from such power of attorney holder(s), subject to approval of the partner(s) in the matter of giving such authorization, in connection with this bid. The signature of such **power of attorney holder(s) / authorised person(s)** should be attested by the **partners or power of attorney holder**, as the case may be. Such **power of attorney / authorisation** should be uploaded along with **Techno-commercial Bid**

**5.4.3** In case the bid is submitted by a **Limited Company**, the same should be signed by the person(s) holding valid **power of attorney / authorisation**, executed in his / their favour (in connection with this bid) and the signature of such **power of attorney holder(s) / authorised person(s)** should also be attested, in accordance with the constitution of the Limited Company. Such **power of attorney / authorisation** should be uploaded along with **Techno-commercial Bid**

- 5.4.4 Such **power of attorney holder(s) / authorised person(s)** should put his / their signature identical with the attested one, in the relevant documents submitted / uploaded, in connection with the instant bidding process [including “**Techno-commercial Bid**”]. In case of putting different signatures in different documents / offers, all such signatures should be attested by the same person in line with the above.

## **B. CONTENTS OF BIDDING DOCUMENTS**

### **5.5 Sections of Bidding Documents**

- 5.5.1 The contents of the **Bidding Documents** as detailed at “TABLE OF CONTENTS” should be read in conjunction with any addendum / corrigendum issued in accordance with **ITB Clause No. 5.7**.
- 5.5.2 The Employer (SMP, Kolkata) is not responsible for the completeness or correctness of the bidding documents and their Addenda, if they were not obtained directly from the source indicated in Notice Inviting e-Tender.
- 5.5.3 The bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Documents. Failure to furnish all information or documentation required by the Bidding Documents [considering all addenda / corrigenda issued] may result in the rejection of the bid.

### **5.6 Pre-Bid Meeting**

- 5.6.1 A prospective bidder requiring any clarification of the instant Bidding Documents shall contact **General Manager(Engineering)**, in writing, or raise their enquiries during the **Pre-bid meeting**.

The **prospective bidders** are requested to submit their queries / observations / suggestions / requests for clarification, in connection with the instant Bidding Documents, in advance, to enable **SMP, Kolkata** to prepare response / clarifications and make pre-bid meeting meaningful.

- 5.6.2 As indicated in the Schedule of Tender, pre-bid meeting will be conducted off-line on behalf of HDC, SMP, Kolkata. The purpose of this pre-bid meeting will be to clarify issues and to answer questions on any matter (in connection with the instant Bidding Documents only) that may be raised at that stage.

Authorised representative(s) of the prospective bidders will be allowed to attend the **Pre-bid meeting**, which will be held on the date, time & at the venue stipulated in the **Schedule of Tender (SoT)**.

The **designated representative(s)**, who will be deputed to attend the **pre-bid meeting**, should submit their authorization in this regard. The signature of such designated person(s) should be attested by the authorized signatory of the prospective bidders. Otherwise, the designated person should have to submit the proof of his identity through other means.

- 5.6.3 The prospective bidders are advised to attend the pre-bid meeting. However, non-attendance at the pre-bid meeting will not be a cause for disqualification of a bidder.
- 5.6.4 Unless otherwise notified, **all the queries / observations / suggestions / requests for clarification** (related to the instant Bidding Documents only) [including the **queries / observations / suggestions / requests for clarification raised during pre-bid meeting**], received till the date of **pre-bid meeting**, will be considered. **SMP, Kolkata’s** response / clarifications (including description of queries / observations / suggestions / requests for

clarifications, but without identifying its source), in this regard, will be communicated to all the known prospective bidders (i.e. who would **attend pre-bid meeting** or **submit queries / observations / suggestions** or **requested for clarification**), in writing, well in advance to the last date of submission of bids. The aforesaid queries / observations / suggestions / requests for clarification and SMP, Kolkata's response / clarifications will also be hosted in the websites, as specified in the Notice Inviting e-Tender. Any modification to the Bidding Documents, which may become necessary as a result of the **SMP, Kolkata's response / clarifications**, so issued, shall be made through the issue of an addendum / corrigendum, pursuant to **ITB**.

- 5.6.5** The Bidder shall be deemed to have **examined** thoroughly the instant Bidding Documents, in full, [considering all addenda / corrigenda issued (if any)], **visited the site & surroundings** and to have **obtained all necessary information in all the matters** whatsoever that might influence while carrying out the job as per the conditions of the instant **Bidding Documents** [considering all addenda / corrigenda issued (if any)] and to satisfy themselves to sufficiency of their bid, etc. If they shall have any issue to be clarified, the same should be brought to the notice of **SMP, Kolkata**, in writing, as set out in **ITB**.

The bidders are advised to acquaint themselves with the job involved at the site, like availability of labour, means of transport, communication facilities, laws and bye laws in force from Government of West Bengal & Government of India and other statutory bodies from time to time. The Bidder shall be deemed to have examined and collected all necessary information as to risk, contingencies and other circumstances, which may be necessary for preparing the Bid.

Visiting the site shall be at the bidder's own expense. Failure to visit to site will no way relieve the Contractor (successful Bidder) of any of their obligation in performing the work and liabilities & responsibilities thereof, in accordance of the contract.

- 5.6.6** Necessary Gate Pass/Dock Entry Permit, for entering into the Dock area, will be issued to the designated representative(s) of the prospective bidders, on chargeable basis [as per the extant "Scale of Rates" of SMP Kolkata, available at <http://www.kolkataporttrust.gov.in/> of SMP, Kolkata (Formerly Kolkata Port Trust)], to visit the site, for the purpose of inspection only, on receipt of a formal written request. The signature of such designated person(s) should be attested by the authorized signatory of the prospective bidders. Otherwise, the designated person(s) should have to submit proof of his/their identity through other means.

However, during the pre-bid meeting, if the prospective bidders are willing to enter into the dock area, they will be allowed through VIP Pass of HDC free of cost.

Such prospective bidder will be fully responsible for any injury (whether fatal or otherwise) to its designated representative(s), for any loss or damage to property, or for any other loss, damage, costs and expenses whatsoever caused, which, but for the granting of such permission, would not have arisen.

The prospective bidder will be liable to indemnify SMP, Kolkata against any loss or damage to the property of SMP, Kolkata or neighboring property which may be caused due to any act of prospective bidder or their designated representative(s).

## **5.7 Amendment of Bidding Documents**

- 5.7.1** At any time, prior to the last date for submission of bids, **SMP, Kolkata** may, for any reason whether at its own initiative or in response to the **queries/ observations/suggestions/requests for clarification**, amend and modify the bidding documents by issuing Addenda/Corrigenda. Such Addenda/Corrigenda will be hosted in the websites, as specified in the **Notice Inviting e-Tender**.

**5.7.2** Any Addendum/Corrigendum, thus issued, shall be part of the bidding documents and shall be communicated, in writing, to all the known prospective bidders (i.e.who would attend Pre-bid Meeting or submit queries / observations / suggestions or request for clarification), in writing, well in advance to the last date of submission of bids.

**5.7.3** To give prospective bidders reasonable time to take the Addendum / Corrigendum into account in preparing their bids, SMP, Kolkata may, at their discretion, extend the last date for submission of the bids, prior to the closing date & time of e-Tendering.

## **C. PREPARATION OF BIDS**

### **5.8 Cost of bidding**

The Bidder shall bear all costs associated with the preparation and submission of their bid, and **SMP, Kolkata** shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

### **5.9 Language of Bid**

The Bid, as well as all correspondence and documents relating to the bid, exchanged by the Bidder and SMP, Kolkata, shall be written in the **English language only**. If the supporting documents and printed literature, that are part of the bid, are in another language, they must be accompanied by an accurate translation of the relevant passages in the English language, in which case, for purposes of interpretation of the bid, such translation shall govern.

### **5.10 Documents comprising the Bid**

**5.10.1** The Bid shall comprise of the following :-

(a) Pre-qualification and Techno-commercial Bid:

The Pre-qualification & Techno-commercial Bid comprises all documents [including the Bidding Forms (provided in these bidding documents), duly filled in, signed and stamped] required to be submitted as per the Notice Inviting e-Tender, Schedule of Tender (SOT), Instructions To Bidders (ITB) , Scope of work and Technical specification, Special Conditions of Contract(SCC) and any other relevant clause(s) of these bidding documents.

(b) Price Bid:

The Price Bid comprises the prices only and the same are to be submitted electronically, through the website of <https://kopt.enivida.in> only.

### **5.11 Form of Tender**

The bidder shall have to submit (upload) the “**FORM OF TENDER**”. This form **must be completed without any alterations** to its format, and no **substitutes shall be accepted**. All blank spaces shall be filled in with the information requested. Such **duly filled in “FORM OF TENDER”** should be uploaded.

### **5.12 Price Schedule**

**5.12.1** The Bidder shall quote their price on-line (**through e-Nivida 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.

**5.12.2** The Bidder should submit (upload) the **unpriced** format [Bidding Form VI : **PRICE SCHEDULE**], of the instant Bidding Documents, duly filled in the GST rates at appropriate

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Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years

places and signed & stamped as token of acceptance.

### 5.13 Bid Prices

- 5.13.1** The prices are to be quoted by the Bidder **through e-Nivida Portal**, considering the work requirements, as detailed in **Section VI (Technical Specification)** and other terms & conditions of the Bidding Documents (considering all addenda / corrigenda issued).
- 5.13.2** Except where otherwise expressly provided, the contractor shall have to provide all materials, labour, plant and other things necessary in connection with the contract, although everything may not be fully specified, and although there may be errors and omissions in the specifications.
- 5.13.3** The prices and rates entered (electronically through e-Nivida Portal) **as per the Price Schedule** (Bill of Quantities), in the Price bid (Part-II), by the **Bidder**, shall include, inter alia, all costs and expenses involved in or arising out of the following:
- (a) Supply, delivery, inspection, transportation (including insurance), handling, receipt and storage of all required materials [in line with Technical Specification (Section VI)] and equipment at site.
  - (b) The provision, storage, transport, handling, use, distribution & maintenance of all materials, equipment, machinery and tools, including all costs, charges, dues, demurrage or other outlays involved in transportation.
  - (c) The provisions & maintenance of all their staff & labour and their payment, accommodation, transport, fares and other requirements.
  - (d) All required first aid, welfare and safety requirements.
  - (e) Damage caused to the work and /or construction, plant, materials and consumable stores caused by weather.
- 5.13.4** Tools, Tackles, lifting machineries, scaffolding, temporary lighting, different vehicular transport etc. required for execution of the whole work will have to be arranged by the Contractor, at their own risk, cost & arrangement, which may be considered, while submitting their rates in the offer.
- 5.13.5** Rates & amounts quoted by the bidders in the “PRICE SCHEDULE”, include all incidental charges [excluding Goods and Services Tax (GST)], as applicable, and charges for packing, forwarding, loading, handling, carrying to any lead, stacking, transportation, permits, overheads & profit, etc. necessary for the complete services as described in this Bidding Document.

GST, as applicable, shall be paid extra against proper invoice submitted by the Contractor.

The contractor will be required to submit GST compliant invoice with all required details and also be required to file timely and proper return so as to enable SMP, Kolkata to get due credit against GST paid.

In case of any failure on the above account, GST amount, even if paid by SMP, Kolkata, shall be recoverable from the Contractor.

- 5.13.6** All quoted rates will remain firm during the validity period of the bid / offer, including any / all extension thereof, agreed by the bidder.

However, changes **in statutory taxes & duties [other than GST] will be adjusted** (within the scheduled completion period), based on documentary evidence.

- 5.13.7** The Bidder should clearly understand that they shall be strictly required to conform to all terms conditions of the instant Bidding Documents [considering all addenda / corrigenda (if any)]

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Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years

issued], as contained in each of its clauses and **plea of “Customs Prevailing”** will not be, in any case, admitted as excuse on their part, for infringing any of the terms & conditions. No request for change or variation in rates or terms & conditions of the contract shall be entertained on the ground that the successful Bidder has not understood the work envisaged in the instant contract.

#### **5.14 Currencies of Bid**

The **Bidders** should quote the prices in **Indian Rupees (Rs)** only.

#### **5.15 Period of validity of bids**

**5.15.1** Bids shall remain valid for the period of 180 days after the bid submission deadline date (considering extension thereof, if any) as prescribed in ITB. A bid, valid for a shorter period, shall be rejected by SMP, Kolkata, treating the same as non-responsive.

**5.15.2** In exceptional circumstances, prior to the expiration of the bid validity period, **SMP, Kolkata** may request the bidders to extend the period of validity of their bids. The request and the responses shall be made in writing.

A Bidder may refuse the request, without forfeiting their **Earnest Money Deposit (EMD)**. A Bidder granting the request shall not be required or permitted to modify its bid, except when option to do the same has been specifically granted by **SMP, Kolkata**, in writing.

#### **5.16 Earnest Money Deposit (EMD)/ Bid security declaration**

**5.16.1** The intending bidders should deposit an amount specified in the Schedule of Tender (SoT), as Earnest Money Deposit (EMD), in accordance with the procedure mentioned therein.

**5.16.2** Failing to deposit the Earnest Money, in accordance with ITB, shall be rejected by the Employer (SMPK), treating the same as non-responsive. For exemption of EMD the bidder is required to upload the scanned copy of the certificate from MSME /Micro & Small Enterprises (MSEs) / DIC / SSI / National Small Industries Corporation (NSIC) or any empowered Central /State Govt. authority.

##### **5.16.3 Refund of Earnest Money Deposit:**

Earnest Money Deposit of the successful bidder shall be retained by HDC and Earnest Money Deposit of the unsuccessful bidders [including the bidder(s) whose Price Bid would not be opened in line with ITB] shall be refunded, without interest, within 2 (two) months from the date of opening of Price Bids or on finalization/acceptance of tender, whichever is earlier.

In case the bid of the successful bidder is found acceptable to HDC and contract is awarded with them, the Earnest Money Deposit of the successful bidder (Contractor) shall be retained by KoPT till submission of Performance Guarantee / Security Deposit (in accordance with ITB) and signing of the Contract Agreement by HDC and the Contractor (in accordance with ITB), and shall be refunded thereafter.

In case, the successful bid is not found acceptable to HDC, Earnest Money Deposit of the successful bidder shall be refunded after the decision, in this regard, is finalized by HDC

**5.16.4** No interest shall be payable on the account of Earnest Money Deposit in any case.

**5.16.5** Forfeiture of Earnest Money Deposit :

The EMD may be forfeited

- (a) If a Bidder withdraws their offer within the validity period of the bid / offer; and / or, alters / amends any terms and / or condition and / or quoted rate(s), within the validity period of the offer (excepting when option to do the same has been specifically granted by Syama Prasad Mookerjee Port Kolkata, Haldia Dock

Complex in writing) making it unacceptable to the Syama Prasad Mookerjee Port Kolkata, Haldia Dock Complex.or,

- (b) if the successful bidder,
- i) fails to submit the Performance Guarantee / Security Deposit (as per SCC ) for the specified sum and in the specified form, within the stipulated time;  
and / or,
  - ii) fails to carry out the work or to perform / observe any of the conditions of the contract,

For the purpose of this provision, the validity period (of the bid / offer) shall include any / all extension thereof, agreed by the Bidder in writing. KoPT shall also be at liberty to deduct any of their dues from Earnest Money. It should be however be clearly understood that in case of any default in any terms and or condition of the contract after placement of order but before submission of Performance Guarantee / Security Deposit (as per SCC), the same shall be dealt with in accordance with the relevant provisions of contract, including forfeiture of Earnest Money.

#### **D. SUBMISSION OF BIDS AND OPENING OF BIDS (EXCEPT PRICE BID)**

##### **5.17 Submission of bids**

- 5.17.1** Bidders shall have to submit their bids [both **Pre-qualification & Techno-commercial Bid** and **Price Bid**] on-line **through e-Nivida Portal only**.
- 5.17.2** The Bidder should submit (upload) the scanned copies of all the relevant and required documents, statements, filled up formats, certificates, etc. [in accordance with **ITB**], in the aforesaid portal, in support of their **Pre-qualification Criteria and Techno-commercial Bid**.
- 5.17.3** Before scanning the aforesaid documents, all pages are to be signed by a person duly authorised to sign on behalf of the bidder, pursuant to **ITB**, and are to be embossed with their official seal, owing responsibility for their correctness / authenticity. All pages of the aforesaid documents should be serially marked.
- 5.17.4** Any inter-lineation, erasures, or overwriting, in the aforesaid scanned & uploaded documents, shall be valid only if they are signed by the aforesaid authorised person.
- 5.17.5** The Bidder will have to produce the original documents or any additional documents, if asked for, to satisfy **Haldia Dock Complex, SMP, Kolkata (Formerly Kolkata Port Trust)**. The **Price Bid** comprised the prices only and the same are to be submitted electronically, through the website of <https://kopt.enivida.in> only. ***No hardcopy of priced "Price Schedule" is required to be uploaded.***

##### **5.18 Techno-commercial offer**

- 5.18.1** No techno-commercial deviation and variation will be considered by SMP Kolkata, except where the Techno-commercial terms and conditions, will be found as impossible and irrelevant to the bidder.
- 5.18.2** If the Bidder deliberately gives wrong information or conceals any information / fact in their



bid, which shall be favourable for acceptance of their bid, fraudulently, then the right to reject such bid at any stage of execution, without any financial liability, is reserved by **SMP, Kolkata**.

#### **5.19 Priced offer**

The Bidder should quote the offered rate appropriately in the PRICE BID, electronically, through the website of **e-Nivida** only. *Price indicated anywhere else, in any other form or manner, would not be considered for evaluation of Price Bid.*

#### **5.20 Deadline for submission of bids**

**5.20.1** Bids must be submitted within the closing date & time **indicated in the Schedule of Tender (SOT)**.

**5.20.2** **SMP, Kolkata** may, at its discretion, *extend the deadline for the submission of bids, prior to the closing date & time of e-Tendering*, by amending the Bidding Documents, in accordance with **ITB**, in which case all rights and obligations of **SMP, Kolkata** and bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.

#### **5.21 Late Bids**

This e-Procurement System would not allow any late submission of bid, after the closing date & time, as per the **Schedule of Tender (SOT)** or extension, if any.

#### **5.22 Withdrawal of bids**

**5.22.1** A Bidder may withdraw, substitute, or modify their bid on the e-Procurement System, before the closing date and time specified, but not beyond.

**5.22.2** No bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the bidder on the “**FORM OF TENDER [for Techno-commercial (un-priced) Bid]**.” Or any extension thereof. Modification / Withdrawal of the bid sent through any other means shall not be considered by **SMP, Kolkata**.

**5.22.3** Withdrawal of bid during the interval between such closing time on due date and expiring of the bid validity period, may result in forfeiture of EMD in accordance with **ITB**.

#### **5.23 Bid opening [except Price Bid]**

**5.23.1** The bids [**except Price Bids**], will be opened at the date & time, indicated in the **Schedule of Tender (SOT)**.

**5.23.2** The on-line bid-opening event may be viewed by the bidders at their remote end, by logging on to the e-Procurement System. A copy of the bid opening record shall be made available on the e-Procurement System.

### **E. EVALUATION OF BIDS**

#### **5.24 Confidentiality**

**5.24.1** Information relating to the evaluation of bids and recommendation of contract award shall not be disclosed to bidders or any other persons not officially concerned with such process until publication of the contract award.

**5.24.2** Any attempt by a Bidder to influence **SMP, Kolkata** in the examination, evaluation and comparison of the bids, or contract award decisions may result in the rejection of their bid



and forfeiture of **EMD**.

**5.24.3** Notwithstanding **ITB Clause No. 5.24.2**, from the time of bid opening to the time of contract award, if any Bidder wishes to contact SMP Kolkata on any matter related to the bidding process, they should do so in writing.

## **5.25 Clarification of bids**

To assist in examination, evaluation & comparison of the bids and qualification of the bidders, the Employer (SMP, Kolkata) may, at their discretion, ask any bidder for a clarification of their bid. The Employer (SMP, Kolkata) may also ask any bidder to withdraw any terms/conditions mentioned by them in their offer, which are not in conformity with the terms & conditions specified in the bidding documents. In case any bidder fails to submit required clarification within the time stipulated by the Employer (SMP, Kolkata), in this regard, the tender would be processed in absence of the clarifications, which may result in disqualification of the corresponding bidder for the instant tender. Any clarification submitted by a bidder, which is not in response to a request by the Employer (SMP, Kolkata), shall not be considered. The Employer's (SMP, Kolkata's) request for clarification and the response shall be in writing.

No change in the prices or substance of the bid shall be sought, offered or permitted, nor will the bidder be permitted to withdraw their bid before expiry of the validity period of the bid.

## **5.26 Deviations, reservations and omissions**

During the evaluation of bids, the following definitions apply:

- (a) "Deviation" is a departure from the requirements specified in the bidding documents ;
- (b) "Reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the bidding documents ; and
- (c) "Omission" is the failure to submit part or all of the information or documentation required in the bidding documents.

## **5.27 Responsiveness of bids**

**5.27.1** Responsiveness of a bid would be determined on the basis of the contents of the bid itself, and clarification(s) in accordance with **ITB**.

**5.27.2** A substantially responsive bid is one that meets the requirements of the Bidding Documents without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that,

- (a) if accepted, would
  - i) affect in any substantial way the scope, quality, or performance of the work specified in the Contract; or
  - ii) limit in any substantial way, inconsistent with the Bidding Documents, SMP Kolkata's rights or the bidder's obligations under the proposed contract; or
- (b) if rectified, would unfairly affect the competitive position of other bidders presenting substantially responsive bids.

**5.27.3** Bidders shall not contain the following information / conditions to consider them responsive :

- (a) Either direct or indirect reference leading to reveal the prices of the bids in the

Techno- commercial offers;

(b) Adjustable prices, other than the provisions stated in **ITB**.

**5.27.4** If a bid is not substantially responsive to the requirements of the bidding documents, it shall be rejected by SMP Kolkata and may not subsequently be made responsive by the bidder, by correction of the material deviation, reservation, or omission.

## **5.28 Nonconformities, errors and omissions**

**5.28.1** During examination, evaluation & comparison of the bids and qualification of the bidders, the Employer (SMP Kolkata) may, at their discretion, ask any bidder for submitting any document(s) [in case of shortfall in required documents (relating to capacity or otherwise)]. In case any bidder fails to submit required documents within the time stipulated by the Employer

(SMP Kolkata), in this regard, the tender would be processed in absence of the documents, which may result in disqualification of the corresponding bidder for the instant tender.

Any document submitted by a bidder, which is not in response to a request by the Employer (SMP, Kolkata), shall not be considered. The Employer's (SMP, Kolkata's) request for submission of further document(s) shall be in writing.

**5.28.2** **SMP, Kolkata** shall examine the bids [including the further documents / clarifications received in accordance with **ITB**] to confirm that all documents requested in **ITB** have been provided and to determine the completeness of each document submitted.

**5.28.3** Provided that a bid is substantially responsive, **SMP, Kolkata** may waive any nonconformities or omissions in the bid that do not constitute a material deviation.

## **5.29 Examination of Pre-qualification Criteria**

**5.29.1** At first, the contents of the documents, submitted in support of the Pre-qualification Criteria [including the further documents / clarifications received in accordance with **ITB**] will be scrutinized and evaluated.

**5.30.1** SMP, Kolkata may, at their discretion, seek any other detail(s)/document(s), in subsequent course, to ascertain and get confirmed about the competence of the bidder. In case any bidder fails to submit required detail(s)/ document(s) within the time stipulated by the Employer (SMP, Kolkata), in this regard, the tender would be processed in absence of the documents, which may result in disqualification of the corresponding bidder for the instant tender. While evaluating Pre-qualification Criteria, regard would be paid to National Defence and Security considerations of the Indian Government.

**5.29.2** In case it is found that the Pre-qualification Criteria has not been fulfilled by the bidder or otherwise their participation has not been found acceptable to **SMP, Kolkata**, the respective bid will be treated as non-responsive and "Price Bid" of the respective Bidder will not be considered further.

## **5.30 Examination of Techno-commercial offer**

**5.30.2** After scrutiny of the **Pre-qualification Criteria, Techno-commercial Bids** of the Pre-qualified bidders [as indicated above] will be scrutinized & evaluated.

**5.30.3** **SMP, Kolkata** shall examine the bid to confirm that all terms and conditions specified in the **Technical Specification (Section VI)**, **GCC (Section VII)** and **SCC (Section VIII)** have been accepted by the bidder without any material deviation or reservation or omission.

**5.30.4** If on examination of the “**Techno-commercial Bid**” of pre-qualified bidders, it is found that they have not accepted all Techno-commercial terms & conditions of the Bidding Documents[considering all addenda / corrigenda, issued], “**Price Bid**” part of such bidder(s) will not be opened. “**Price Bid**” part of other bidder(s) will be opened subsequently as per procedure. Decision of **SMP, Kolkata** on this matter shall be final.

**5.30.5** The evaluation is also subject to compliance of Department for Promotion of Industry and Internal Trade Order No. P – 45021/2/2017-B.E. – II dated 15.06.2017; Order No. P – 45021/2/2017-B.E. – II dated 28.05.2018; Order No. P – 45021/2/2017-B.E. – II dated 29.05.2019 & Order No. P – 45021/2/2017-B.E. – II dated 04.06.2020 issued pursuant to Rule 153(iii) of the General Financial Rules 2017 in respect of public procurement (Preference to Make in India), order 2017.

Bidders are advised to go through the same to appreciate its implication in the instant tender and furnish documents alongwith their techno-commercial offer, if applicable.

### **5.31 Opening of Price Bid**

**PRICE BIDS** of the bidders, who qualifies in the “Pre-qualification & Techno- commercial Bid”, will be opened along with Techno- commercial Bid.

The on-line price-bid opening event may be viewed by the bidders at their remote end, by logging on to the e-Procurement System. A copy of the price-bid opening record shall be made available on the e- Procurement System.

### **Comparison & Evaluation of Price-Bid and selection of Successful Bidder**

**5.32.1** While evaluating the Price Bids, the Price quoted by the Bidders against all items of the **Price Schedule** shall be taken into account and the **TOTAL PRICE**, which would be arrived at, by adding quoted prices of all items of the **Price Schedule**, will be considered for evaluation. Selection of the successful bidder will be made on the basis of the “**lowest TOTAL PRICE**” thus arrived.

**5.32.2** In case it is found that the quoted “**TOTAL PRICE**” is same for two or more bidders and their bids become the lowest, the respective bidders will be given chance to submit their fresh Price Bid, subject to the condition that the fresh rate so quoted must be less than the rate quoted by the respective bidders earlier. Selection of the successful bidder will be made on the basis of the revised “**lowest TOTAL PRICE**” thus obtained.

### **5.32 SMP, Kolkata’s right to accept any bid and to reject any or all bids**

**5.33.1** **SMP, Kolkata** reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders.

## **F. AWARD OF CONTRACT**

**5.33** Subject to **ITB Clause No. 5.33.1**, **SMP, Kolkata** shall award the contract to the Bidder whose offer has been determined to be the lowest evaluated bid [as per **ITB Clause No. 5.32**] and is substantially responsive to the Bidding Documents.

### **5.34 Notification of award**

Prior to the expiration of the period of bid validity or extended validity in accordance with **ITB, SMP,**

**Kolkata** shall notify the **Successful Bidder**, in writing, that their bid has been accepted. The notification letter (hereinafter called the “**Letter of Acceptance**”) will be treated as “**Order Letter**” and will constitute the formation of the contract. Such order letter shall specify the “**Contract Price**” in line with **SCC Clause No. 11.1.4 a**).

### 5.35 Signing of contract agreement

- 5.36.1** After placement of order, **contract agreement** [as per the form furnished in **Section- XI**] should be executed between **Syama Prasad Mookerjee Port, Kolkata** and the **Contractor (Successful Bidder)**. In this respect, within a week of receipt of intimation regarding acceptance of their bid, the successful bidder shall have to submit, at their cost, required **Stamp Paper** [Non-judicial Stamp Paper of worth not less than **Rs 50.00**] & **dummy papers** (for threesets).

Immediately after receipt of the above papers & documents, **SMP, Kolkata** will send threesets of **contract agreement form** [one set printed on Stamp Paper & dummy papers and two sets printed on dummy papers], photocopy of **one set of documentary transactions between them and SMP, Kolkata** (till finalisation & award of the Contract) and **Contract Documents** [incorporating all accepted changes and addenda / corrigenda issued, if any], duly signed by the representative of **SMP, Kolkata** at appropriate places on each pages.

Within a week, thereafter, the Contractor (Successful Bidder) shall have to return **Contract Agreement forms** (three sets) [after affixing their common seal], the set of **documentary transactions** and **Contract Documents**, duly signed by them at appropriate places on each page.

- 5.36.2** The **contract agreement form & Contract Documents** should be signed by the authorized persons of the Contractor, authorized in this respect.

- 5.36.3** After receipt of the **contract agreement forms** (three sets), duly signed by authorised person of **SMP, Kolkata** & authorized person of the Contractor (Successful Bidder), the same shall be kept under **SMP, Kolkata**’s custody, after affixing the Common Seal of **SMP, Kolkata**.

One copy of such **executed contract agreement** (on dummy paper), along with one photocopy of signed **documentary transactions** and **Contract Documents** will be handed over to the Contractor for their record & future reference.

- 5.36.4** Until such contract agreement is executed, the other documents referred to the definition of the term “Contract” [**GCC Clause**], shall collectively be the contract.

### 5.36 Performance Guarantee / Security Deposit

- 5.37.1** Within **twenty-eight (28) days** of issuance of “**Letter of Acceptance**” by **SMP Kolkata**, the Successful Bidder shall provide the Performance Bank Guarantee in accordance with the Special Conditions of Contract, using the form furnished in Section XI.

- 5.37.2** Failure of the successful bidder to submit the above-mentioned Bank Guarantee for **Performance Guarantee / Security Deposit or sign the contract agreement** shall constitute sufficient grounds for the annulment of the award and forfeiture of the EMD in accordance with ITB.

- 5.37.3** All costs, charges & expenses, including Stamp Duty, shall be borne by the Successful Bidder.

- 5.37.4** **No interest / charge**, of whatsoever nature, shall be paid by **SMP, Kolkata** on the amount

of Performance Guarantee / Security Deposit, held by them (as per SCC) at any stage.

### **5.37 Preference to Make in India**

**5.38.1** By Office Memorandum No. F. No. 6/18/2019-PPD dated 23.07.2020, Ministry of Finance, Department of Expenditure, Public Procurement Division has inserted sub-rule (xi) to amend Rule 144 of the General Financial Rules 2017 as under in respect of public buying:

“Notwithstanding anything contained in this Rules, Department of Expenditure may, by order in writing, impose restrictions, including prior registration and / or screening, on procurement from bidders from a country or countries, on grounds of defence of India, or matters directly or indirectly related thereto including national security, no procurement shall be made in violation of such restrictions.”

**5.38.2** Also, by Office Memorandum No. P-45021/112/2020-PP (BE-II) (E- 43780) dated 14.10.2020, the Government of India, Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade (Public Procurement Section) has revised the format for registration of bidders from countries sharing land border with India. The said Memorandum along with

enclosures is appended after this chapter under Section IV – B of this tender document for necessary compliance including any amendment thereof by the bidders for participation in the instant tender, as required.

**5.38.3** The evaluation is also subject to compliance of Office Memorandum No. P – 45021/2/2017-

B.E. – II dated 16.09.2020 issued by GoI, Ministry of Commerce and Industry, Department of Promotion of Industry and Internal Trade (Public Procurement Section) pursuant to Rule 153

(iii) of the General Financial Rules 2017 in respect of public procurement (Preference to Make in India), order 2017. Bidders are, accordingly, advised to go through the same including subsequent amendment, if any, thereof to appreciate its implication in the instant tender and act accordingly. Submission of necessary documents, if any, by bidders concerned in this regard is imperative.

## **SECTION-VI**

### **TECHNICAL SPECIFICATION AND SCOPE OF WORK**

#### **I. General Scope of Work of the contractor**

1. Supply Installation, Testing & Commissioning of "Vacuum Insulated Storage Vessel for storage of liquid product from which oxygen can be tapped from the liquid storage vessel after the vaporizer, through the pipe spool" at the Port Hospital, Haldia.
2. Design, Supply, Assembly, erection, pressure test & commission the supplied system (Cryogenic Storage Tank, vertical of Volume- 3 KL) along with all accessories.
3. Supply Installation, Testing & Commissioning of "Equipments" (as detailed in Technical Specifications) at Port Hospital, HDC.
4. Supply, Installation, Testing & Commissioning of Medical gas Pipeline System including associate accessories for the existing building as per the drawing attached as **Annex-D**.
5. The gas pipelines shall be installed in the existing building of Port Hospital. However, the gas pipeline to Emergency, ICU and OT may not be installed in the existing building and the same may be installed in the proposed building as per discretion of MS Port Hospital. The requirement of pipeline alongwith associated equipments for the proposed building as per the drawing attached as **Annex-D** may be executed in future. The new gas pipelines shall have to be installed as per HDCs discretion. Contractor shall be paid as per actuals as per the final BoQ rates.
6. Supply, Installation, Testing & Commissioning of VIE Vessel & AV Coil. Foundation for VIE Vessel & AVCoil.
7. Supply of Liquid Medical Oxygen as per the requirement of Port Hospital shall be done by the contractor as per the rate quoted by them. The contractor shall quote the rate for supply of oxygen F.O.R at the proposed storage yard at Port hospital. The initial filling of LMO tank upto the standard level is under the scope of the contractor without extra cost to HDC. The filling of the tank is for the first time only. However, the contractor shall top up the LMO as per actual requirement per month.
8. Supply of compressed gases is not under the scope of contractor. If it is included in future, then the compressed gases will have to be supplied from your plant and price of which will be mutually decided.
9. Supply of Bottled Medical Gas (D type Jumbo type cylinder) viz, Medical Oxygen, Medical N<sub>2</sub>O as per the requirement of Port Hospital. However, the contractor shall quote the rate for supply of oxygen F.O.R at the proposed storage yard at Port hospital.
10. Contractor shall arrange for taking approval of PESO for licensing.
11. Provide the required gas and consumable for Pressure Testing of the Equipment.
12. All electrical jobs like area lighting, earthing, power sockets and power cable to the control panel from the nearest source provided by HDC as per requirement.
13. Provide Training for the selected employees of Port hospital on handling of the supply system & safety features.
14. Provide Civil Drawings pertaining to the foundation, manifold room etc.
15. Provide equipment maintenance related to all installations supplied by the contractor including Annual Pressure Testing (except gas & consumable).

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Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years

16. The Statutory Fees levied by PESO, Nagpur towards getting the Installation License for Storage shall have to be borne by the contractor.
17. The contractor shall provide tested and certified Crane/Hydra as per requirement for unloading and erection of the Equipment.
18. All Civil work related to Gas pipeline system are under the scope of the contractor.
19. The construction of civil work for LMO vessel is under HDC's scope of work. However, any civil work related to Gas pipelines is under the scope of the contractor.

#### **Medical Oxygen:**

- ✓ Vessel Capacity: min. 3000 litres.
- Configuration : Vertical
- ✓ Operating working pressure 8-12 kg/cm<sup>2</sup>
- ✓ Should have compact unit including vessel and vaporizer.
- ✓ Vessel should be of standard material and technology keeping the safety point of view.
- ✓ Purity of Oxygen -99-100%.  
Medical grade I.P. to be certified safe for human use.
- ✓ The system should have content indicator and preferably low liquid level alarm with safety system in case of emergency/un-natural calamities.

#### **Supply, Installation, testing and commissioning of Medical Oxygen Vessel:**

- ✓ A minimum 3 Kl Cryogenic oxygen Vessel/storage tank in vertical/horizontal position with all accessories and pipelines will have to be supplied & installed by the contractor.
- ✓ The maximum allowable working pressure for the cryogenic tank should be 17kg per sq cm or to withstand MAWP, Design pressure, hydro test pressure as per EN13458 Standard or other national and international codes.
- ✓ New connection of the installed oxygen tank from the manifold room to be provided.
- ✓ Contractor should quote pipe length and other accessories requirement as per BoQ. However, the quantity may be more/less based on site requirement which will be paid as per unit rate quoted on actual executed quantity.
- ✓ Necessary certifications for licenses will have to be provided by the contractor for the installed vessel.
- ✓ The tank should include Ambient Air Vaporizer 100 nM<sup>3</sup>/hr, O&ED System, Pipe Spool, required fittings, Gauges, Regulators, Remote Telemetry Unit (RTU) etc. Charges should be all inclusive of the above items.
- ✓ Safety/security if any, other than fencing, guard etc which will be done by HDC should be provided by the firm.
- Any additional transportation charges for liquid oxygen to be included along with the basic price of gas. The scope of work of contractor shall cover design, engineering, submission of drawings for approval, submission of assignment drawings, manufacture, factory testing, inspection by client / consultant, packing, loading, forwarding, delivery at Plant site, loading/unloading, storage, handling of material/equipment for erection, testing, commissioning, PG test, PAT/FAT and liquidating the defects of all Electrical equipment/system, Illumination equipment/system, Cables, erection materials etc. along with associated Civil works required for erection for the proposed manifold rooms within battery limit. Any item or

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**Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years**

equipment not specifically mentioned but required for completeness, proper installation, reliable operation, maintenance and statutory requirement including safety & shall be included by the Contractor in his scope of Work. The design criteria of LMO system including associated machinery is under the scope of contractor. Hence the same may be designed accordingly.

### **Electrical scope of work:**

Contractor's scope of work for this package shall include but not limited to the following:

1. Power distribution Board (PDB)– One no. (Total 12 nos.) Wall mounted/Pedestal Stand Conventional, non draw-out type, Single front, Power distribution Board (PDB) in IP-55 enclosure with canopy and single incomer shall be provided for control of drives/motors and lighting. The panel shall be made of 2mm thick CRCA sheet and compartmentalized. The incomer shall have MCCB (Thermal magnetic) with S/C, O/C & E/F protection, RYB Phase indication lamp, Ammeter & Voltmeter. The PDB shall be with two outgoing motor feeders (1W feeder shall be with MPCB, Contactor,

Electronic overload, Start Stop Push Buttons & Motor On, Off, Trip indications. The rating of MPCB, Contactor (min 25A rating) and EOCR shall be as per Type II coordination chart of the manufacturer. The outgoing power supply feeder the lighting load shall be with MCCB (Thermal magnetic) with S/C, O/C & E/F protection and shall be with both Auto manual mode of operation.

2. Complete illumination system inside and the periphery of the shed by providing Lighting Pole (2 nos.) of suitable height (Swaged Tubular pole conforming to 410 SP 29), Junction box and lighting fixture (Bajaj Model No. BRTFG 140W LED or equivalent) for the shed. The junction Box shall be made of Polycarbonate with IP 66 protection. However, the illumination level provided inside the shed should be in accordance to the Govt. guidelines.

3. Cu/Al XLPE insulated Armored Power cables conforming to IS 7098, IS 5831, IS 8130, IS 3961, IS 3975 shall be provided. 4C X 6 Al, XLPE insulated, Armored Power cable shall be provided for motors and 4C X

2.5 Cu, XLPE insulated, Armored Power cable shall be provided for lighting. All the cables as required shall be in the scope of the Contractor.

4. Earthing shall be provided for the PDB panel and lighting poles as per IS 3043.

5. GI Pipes, GI conduits of various sizes/duty required for cable laying/crossing floors, road/drainage etc. cable laying to motors, cable for lighting system etc.

6. Buried cable laying materials like sands, bricks, slabs, etc, all other materials required to make the installation complete.

7. One lightning arrester conforming to IS 2309:1989 to be provided along with 4 no. earth pits at each corner of the proposed building.

8. Cable termination materials/termination kits, ferrules, cable markers, double compression cable glands, insulating tapes, cable lugs, cable tags, cable fasteners/dressing materials, sealing materials for openings/conduits, insulating mats in front of panels, danger boards and all other materials required to make the installation complete.

9. All civil works associated with erection of Electrical panels, cables, conduits, outdoor illumination system equipment, etc. all civil foundation required for street light poles, all civil work like chipping of floors/walls and making good required for concealed Wiring & installation of illumination system

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**Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years**



equipment, etc.

10. Danger boards, rubber mats, safety charts, sand buckets, fire retardant paint, fire sealing compound etc as required.

## **II. HDC's responsibility**

1. Providing fresh water Source free of cost for erection and commissioning including O&M period of five years
2. Providing Electric Supply free of cost for erection and commissioning including O&M period of five years.
3. Construction of Gas manifold Room.
4. Provide an open area of approximately 16m x 9m for the above Liquid Medical Oxygen Installation (asspecified by PESO) with proper approach road for Heavy duty tankers drivable for refilling.
  - a. Hardstand and fencing of the proposed storage yard location. Hardstand inside the periphery of the tank.
  - b. Other Punch List Items (earth pits, fire extinguishers, industrial lighting –flameproof, etc. if any).
5. Facilities to be provided by HDC during the time of erection & commissioning of installation:
  - a) Free access to HDC works for contractor and its representatives at all times.All utilities like Power, Water etc. and secured storage space for keeping contractor's material to be used during Installation shall be provided by HDC.
- b) Permanent provision for Water shall be provided by HDC at the Installation site.

## **III. Mode of transport**

Liquid oxygen shall be supplied by the contractor on Weighment Basis or Flowmeter through contractor's own Transport Tanker (Vacuum Insulated Transport Tanker, VITT) and the same will be decanted in the Storage Tank Liquid Medical Oxygen should be 99.99% purity minimum (the Product). The volume of Product supplied in cubic meter (M<sup>3</sup>) shall indicate gas equivalent of the Product at standard temperature of 27 degree C and one atmospheric pressure Vacuum Insulated Storage Tanker, VIST) installed at HDC premises.

1 Kg of Liquid Oxygen = 0.770 m<sup>3</sup> of gaseous Oxygen.

1 Liter of Liquid Oxygen = 0.877 M<sup>3</sup> of gaseous Oxygen.

## **IV. Price Variation**

Contractor shall be entitled for a revision in price of the gases at the rate of 5% per year.

## **V. SPACE REQUIREMENTS:**

A space of 9 x 16 mtr will be provided for each LMO installations, with proper approach road for Heavy duty tankers drivability for refilling. Also, over head or underground electric wire & drainage/water lines shall be avoided.

## **VI. TRAINING & OPERATIONAL MANUAL**

1. The contractor will provide hands on training to two doctors / two technicians of Port Hospital, HDC in his own cost for operating / handling the medical equipment(s) at the time of installation of equipment.
2. The contractor will provide the operation / maintenance manuals of all equipment to the purchaser at the time of installation.

## **VII. COMPREHENSIVE ANNUAL OPERATION MAINTENANCE FOR FIVE YEARS**

The tenderer shall also offer to provide for Comprehensive operation & Maintenance (Labour + all spare) for the next five (5) years. No extra cost will be paid other than the Comprehensive operation & Maintenance cost for functioning of the item during this period. The contractor shall deploy at least one Competent technician

round the clock for attending any kind of break down . The supplier will provide preventive maintenance during the period of Comprehensive operation & Maintenance , as well as any numbers of emergency breakdown call. All the warranty certificates must be handed over to the consignee at the time of installation. Also, the work of unloading of liquid oxygen, fixing of gas cylinder with manifold, attending any kind of leakage/fault including supply of spares free of cost of Gas pipeline system & LMO plant are under the scope of the contractor during O&M period of five years. The contractor shall keep sufficient spares of the whole system so that any kind of defect can be rectified by the contractor with minimum time. At least one competent technician shall be available per shift x 3 shift per day for attending any kind of break down.

## Source Equipment & Manifold Management System

### **1.0 Oxygen Management System**

#### **1.1 Two- Sided Cylinder Manifold Indigenous (Oxygen) 8+8**

**(Make: Linde, MR, Ellenbarrie or equivalent)**

One no of Oxygen Manifold extendable type of size 2 X 8 for bulk oxygen cylinder will be provided. The manifold will be suitable to withstand a working pressure of 140kg/cm<sup>2</sup>. The manifold will also have high pressure copper annealed tail pipe with one end having brass adaptor suitable for oxygen cylinder and other end suitable for manifold non return valves. The manifold will also be provided with sixteen no. of non- return valve- one no for each cylinder. However, the quantity may vary as per actual requirement at site. The material of construction of non – return valve will be brass. The manifold will also be provided with middle frame. The middle frame will be made with circumferential mild steel flat duly powder coated with black colour.

#### **1.2 Fully Automatic Control Panel (Oxygen): 3- source**

**(Make: AKTIV, MR, ALTOS or equivalent)**

One no. of fully automatic oxygen control panel with 3-source will be provided to control the 2 X 8 Oxygen Gas manifold.

**The Control Panel should be CE-certified / UL-listed.**

It should fully comply and meets with the requirements of HTM 02-01 standards / NFPA-99C / DIN Standard.

Automatic Changeover Manifolds shall be duly CE marked / UL-listed. It should have all regulators which should be adiabatic certified. The manifold control panel shall be designed and certified for use with oxygen at 200 Bar and 60°C. Central regulator panels with cylinder headers each side. Headers are complete with gas specific cylinder tailpipes. All components should be degreased for oxygen use. Mild steel powder coated enclosure should have transparent window. The manifold control system shall be powered by an extra low voltage on board supply. The controller shall include normally closed alarm connections. Line pressure shall be continuously monitored by an electronic pressure switch; mechanically actuated pressure switches are not acceptable. Two non-return valves, one for each bank, shall be provided within a line pressure manifold block and shall provide gas tight isolation of each bank during maintenance and ensure supply continuity in the event of any upstream component failure. In the event of a low line pressure condition, both solenoid valves shall open to enable both banks to deliver gas and restore normal pipeline pressure. A manifold status panel shall be provided with colour coded LED indication lights for the following operating and fault indications:

- Power On (Green)
- High Line Pressure (Red)
- Low Line Pressure (Red)
- Reserve Low (Amber)
- Left Bank Running (Green)
- Left Bank Low (Amber)
- Left Bank Empty (Amber)
- Right Bank Running (Green)
- Right Bank Low (Amber)
- Right Bank Empty (Amber)

The Interface Indicator shall be provided with colour coded LED indication lights for the following operating and fault indications:

- ✓ Normal (Green)
- ✓ Duty Bank Empty (Amber)
- ✓ Standby Low (Amber)
- ✓ Reserve Bank Low (Amber)
- ✓ Pipeline Pressure Fault (Red)
- ✓ System Fault (Red)

In the event of a power supply failure, both solenoid valves shall open to enable gas to be supplied from both cylinder banks simultaneously until restoration of the power supply. The minimum flow of Gas should be minimum 1300 LPM.

The Control Panel should be three-way type, where two inlets to be connected to the cylinder banks and the third one to be connected to LMO Supply.

### **1.3 Emergency Oxygen Supply System 4-cylinders: Indigenous** (Make: Linde, MR, Ellenbarrie or equivalent)

The system is same as above for configuration of 4 X 1 system without any additional automatic control panel. The emergency oxygen supply system will be controlled from the Double-stage Regulator (Adiabatic –certified) to control the Line Pressure of Oxygen.

## **2.0 NITROUS OXIDE MANAGEMENT SYSTEM**

(Make: Linde, MR, Ellenbarrie or equivalent)

### **2.1 Two-Sided Cylinder Manifold Indigenous (N<sub>2</sub>O) 2+2**

One no of N<sub>2</sub>O Manifold extendable type of size 2 X 2 for bulk N<sub>2</sub>O cylinder will be provided. The manifold will be suitable to withstand a working pressure of 140kg/cm<sup>2</sup>. The manifold will also have high pressure copper annealed tail pipe with one end having brass adaptor suitable for oxygen cylinder and other end suitable for manifold non return valves. The manifold will also be provided with twenty no. of non- return valve- one no for each cylinder. The material of construction of non – return valve will be brass. The manifold will also be provided with middle frame. The middle frame will be made with circumferential mild steel flat duly powder coated with black colour. (Only manifold shall be provided)

### **2.2 Fully Automatic Control Panel (N<sub>2</sub>O)**

(Make: AKTIV, MR, ALTOS or equivalent)

One no. of fully automatic oxygen control panel will be provided to control the 2 X 2 N<sub>2</sub>O Gas manifold.

**The Control Panel should be CE-certified / UL-listed.**

It should fully comply and meets with the requirements of HTM 02-01 standards / NFPA-99C / DIN Standard.

Automatic Changeover Manifolds shall be duly CE marked / UL-listed. It should have all regulators which should be certified. The manifold control panel shall be designed and certified for use with N<sub>2</sub>O at 200 Bar and 60°C. Central regulator panels with cylinder headers each side. Headers are complete with gas specific cylinder tailpipes. It should be Pre-wired for alarm. Mild steel powder coated enclosure should have transparent window. The manifold control system shall be powered by an extra low voltage on board supply. The controller shall include normally closed alarm connections. Line pressure shall be continuously monitored by an electronic pressure switch; mechanically actuated pressure switches are not acceptable. **A 50 W cartridge heaters with thermostat control should be in N<sub>2</sub>O Control Panel.** Two non-return valves, one for each

bank, shall be provided within a line pressure manifold block and shall provide gas tight isolation of each bank during maintenance and ensure supply continuity in the event of any upstream component failure. In the event of a low line pressure condition, both solenoid valves shall open to enable both banks to deliver gas and restore normal pipeline pressure. A manifold status panel shall be provided with colour coded LED indication lights for the following operating and fault indications:

- Power On (Green)
- High Line Pressure (Red)
- Low Line Pressure (Red)
- Reserve Low (Amber)
- Left Bank Running (Green)
- Left Bank Low (Amber)
- Left Bank Empty (Amber)
- Right Bank Running (Green)
- Right Bank Low (Amber)
- Right Bank Empty (Amber)

The Interface Indicator shall be provided with colour coded LED indication lights for the following operating and fault indications:

- ✓ Normal (Green)
- ✓ Duty Bank Empty (Amber)
- ✓ Standby Low (Amber)
- ✓ Reserve Bank Low (Amber)
- ✓ Pipeline Pressure Fault (Red)
- ✓ System Fault (Red)

In the event of a power supply failure, both solenoid valves shall open to enable gas to be supplied from both cylinder banks simultaneously until restoration of the power supply. The minimum flow of Gas should be minimum 500 LPM.

## **2.4 Emergency N<sub>2</sub>O Supply System 2 -cylinders: Indigenous**

**(Make: Linde, MR, Ellenbarrie or equivalent)**

The system is same as above for configuration of 1+1 system without any additional automatic control panel. The emergency oxygen supply system will be controlled from the Double-stage Regulator to control the Line Pressure of N<sub>2</sub>O.

## **3. COMPRESSED AIR SYSTEM**

The compressed Air System would be used for the following services:

- a) Medical Air at 4 Bar Pressure

4.1 The major components of Compressed Air Management System comprising of two identical compressor units, Breathing Air filter, Duplex Air Dryer and Duplex Pressure Reducing System. The system has been designed to maintain a pressure of not less than 4 Bar at the furthest terminal unit.

The Compressed Air System should be CE-certified.

The system comprises the following:

- Oil-injected Screw-type Air Compressor complete with Oil separator to deliver 47 CFM (FAD) at 7.5 Bar pressure: 2 No.
- Each compressor should be coupled with 11 kW (15 HP) Motor.
- Heatless Air Drier suitable for above Air Compressor: 2 No.
- 4-stage Breathing Air Filter: 2 Set
- Air Receiver with Water Capacity of 1500 Litre
- Duplex Pressure Reducing Station: 1 Set

#### 4.1 OIL-INJECTED SCREW TYPE AIR COMPRESSOR

**(MAKE: INGERSOLL-RAND, ATLAS COPCO, FS CURTIS)**

The Oil-injected Screw Compressor along with Oil-filter and Oil Separator should be housed in a powder-coated enclosure to provide insulation from noise. Maxm sound level of the machine should be 69 d BA.

The Compressed Air System should come with alpha-numeric controller, 24V DC Controller voltage transformer, Spin-on Air Filter and High-efficiency Air/ Oil Separator. **The oil content of the air at outlet should not be more than 3 ppm.** The air-cooled Oil cooler and After-cooler should be a part of the system.

**4.2 ELECTRICAL:** The motor coupled with the compressor should be 11 kW Motor. The supply should be 415 V-3 Phase- 50 Hz. The motor starter would be Wey- Delta.

**4.3 AIR DRIER: (MAKE: EXAL, Trident, Parker)** Heatless Desiccant Type – 2 nos., each dryer should be suitable for above compressor system (i.e. each dryer should be suitable to take the total load of 2 compressors). Each Dryer should be supplied with suitable inlet filter.

Duplex Air Dryer, desiccant type, each having full capacity of plant flow with a minimum accuracy of  $\pm 3^{\circ}\text{C}$  in a range from  $-20^{\circ}\text{C}$  to  $-60^{\circ}\text{C}$  atmospheric dew- point, with a set point of  $-40^{\circ}\text{C}$ . It should be equipped with moisture separator, auto drain valve.

#### 4.4 Pressure Reducing System:

For Medical Air : The System will have 2 sets of Pressure Regulators (one in working & one stand-by) with isolation valves to reduce air pressure to required 4.2 Kg./ cm<sup>2</sup> for Medical Air pipeline.

#### 4.5 Automatic Drainage traps:

Electrically operated automatic drainage traps should be provided at the bottom of the receivers along with manual drainage facility with isolation valves. The discharge from these drainage traps should be piped outside the room at a suitable place.

#### 4.6 4-Stage Breathing Air Filters: (Make: Parker, FS Curtis, Trident)

The breathing air filters should have maximum contaminant removal efficiency with minimum pressure drop. The filtration system should conform to breathing air filtration as per ISO 8573, Ch – I Standard.

Two sets of 4-stage filters will be provided; while one set will be working, the other set will remain as standby.

**Stage-1 & 2:** Coalescing filters (Water separator & Oil filter) upstream of the desiccant dryer for general purpose protection, removing liquid water and oil aerosol to 0.1mg, cum (0.1 ppm) and particles down to 1 micron.

**Stage-3:** Active carbon filter after the desiccant dryer for removal of oil vapours and hydrocarbon odours with maximum remaining oil content of 0.003 mg/M<sup>3</sup> (0.003 ppm) will be

installed after stage 3 filter.

**Stage-4:** Bacteria filter for particle removal.

**Air Receiver:** 1 no. of 1500 litres water capacity should comply with IS 2825/ BS EN 286 for maximum working pressure of 200 PSI. Air receiver shall be equipped with a suitable pressure gauge, safety relief valve, 3-way by pass and automatic electronic tank drain with manual override.

## **5.0 VACUUM SYSTEM**

### **5.1 Vacuum System**

To design, fabricate, test & install medical vacuum system comprising of Duplex System of Lubricated, Rotary Vane lubricated vacuum pump.

The system should consist of Vacuum Pumps each having desired capacity with suitable Motor and interconnecting piping with Filter, Silencer, Non-Return Valve, Isolation Valves, etc. along with 1 no. Receiver Tanks, 2 nos. of Bacteria Filters, Auto Switch Gear to set minimum & maximum operating vacuum to 450 mm Hg and 650 mmHg respectively to take care of the requirements of desired no. of vacuum outlets.

**5.1.1 Type of Vacuum Pumps: Lubricated, Air-cooled, Rotary Vane Vacuum Pumps along with TEFC squirrel cage induction motors.**

Each Vacuum Pump will be complete with Base Plate, Belt Guard, V-Belts, Motor and Starter. The system will be of Automatic Start and Stop Type. The Pumps will be connected to 1 no. vertical receivers of 2000 litres capacity. Each receiver will have a drain valve at the bottom.

#### **Specifications of each Vacuum Pump:**

Vacuum pump: 2 nos. - One as standby (For each System)

**Make: Edwards/ Gardner Denver/Busch**

Piston Displacement: 280-300 M<sup>3</sup>/hour

Drive Data: 1 no. – One as standby

Motor: 10 H.P

Type: TEFC Induction Motor

Electric supply: 440 V, 50 Hz, 3Ph.

Vacuum Receiver: One no.

Capacity: 2000 Litres. each

Noise Level: 73-76 dB (A) maximum

#### **Vacuum Receiver**

Vertical type vacuum receiver shall comply with IS: 2825/BS EN: 286 for a vacuum pressure of

760mm of mercury, made of steel plate as per IS: 2062 and fitted with suitable fittings and accessories. The Pumps should be connected to common receiver. The receiver shall have a drain valve and vacuum gauge. The inside of the tank should be coated for rust protection with a double component coating which should provide a hard, durable lining.

#### **Vacuum plant exhaust:**

The position of the termination point should be carefully chosen outside the plant room to be clear of windows, ventilation intakes and the intake of air compressors and other equipment.

To reduce noise from the exhaust, a silencer should be fitted in the exhaust pipe of each pump.

The termination point should be turned down and provided with wire mesh protection to reduce the effect of wind pressure and prevent the ingress of rain, snow, insects or animals.

**Bacteria Filters: (Make: Parker/ Solberg/ Walker)** The Duplex bacteria filters should be designed for critical applications involving the removal of liquid, solid and bacterial contamination from the suction side of vacuum pump systems, each filter is designed and sized to carry the full plant design flow and pressure. Bacteria filters shall have efficiency at least 99.999% when tested by the sodium flame method in accordance with BS 3928:1969 utilizing particles in the 0.02 to 2 micron size range. Bacteria filters shall be marked with the legend 'Bio-Hazard'. Bacteria filters shall be provided with a transparent sterilizable collection jar to collect condensate. It should be internally and externally epoxy coated, easily removable.

#### **6.0 COPPER PIPE (Make: Mehta Tubes, Rajco, Star Copper, MAC)**

Solid drawn, seamless, de-oxidized, non-arsenical, half-hard, tempered and de-greased copper pipe conforming to BS EN 13348: 2008 shall be used for the installation of pipelines. All copper pipes should be de-greased & to be delivered capped at both ends. The pipes should be accompanied with manufacturers test certificate for the physical properties & chemical composition. Copper pipes should have reputed third party inspection certificate from Lloyds' Register of Services.

The Pipe Sizes to be used as mentioned below:

Pipe OD (MM.)	Thickness (MM.)	Maximum interval between supports (Horizontal and Vertical) (in Meters)
12	0.7	1.5
15	0.9	1.5
22	0.9	2
28	0.9	2
42	1.2	2.5
54	1.2	2.5

Copper fittings has been made of copper and suitable for a steam working Pressure of 17 bars and especially made for brazed socket type connections. All copper fittings should comply with EN 1254-1:1998 and factory degreased. Each size of fittings should be individually packed for medical use.



## Pipe Preparation

Pipe ends should be cut with the pipe axis, using sharp wheel cutters whenever possible, and be cleaned to get rid of any cuttings or burrs.

When brazing copper-to-copper joints:

- a. The brazed joints should be made using a silver copper- phosphorus brazing alloy and no flux should be used;
- b. Brazing should be carried out using oxygen-free dry nitrogen as an internal inert gas shield to prevent the formation of oxides inside the surface of the pipes and fittings.
- c. Ensure adequate protection of adjacent pipe runs and other services.

## Capping

Sections of pipeline should be capped as soon as they are completed so as to prevent the ingress of debris and other impurities.

## Pipe Supports

The pipeline should be adequately supported at sufficient intervals to prevent sagging or distortion. Supports for surface mounted pipe work should provide clearance to permit painting of the surface. Where it is essential for pipes to cross electric cables or conduit, they should be supported at intervals on either side of the crossing to prevent them from touching the cables or conduit. Supports should be of suitable material or suitably treated to minimize corrosion.

The spacing of supports shall be as per the latest HTM standard. Suitable sleeves shall be provided wherever pipes cross through walls / slabs. All pipe clamps shall be non-reactive to copper. Metallic pipe clamps must be separated from copper pipes by insulating materials.

## INSTALLATION & TESTING

Installation of piping is carried out with utmost cleanliness. Only pipes, fittings and valves which have been degreased and brought in polythene sealed bags should be used at site. Pipe fixing clamps of non-ferrous or non-deteriorating plastic suitable for the lower diameter of the pipe (max. up to 42mm OD). For pipe size of over 42mm, metallic clamps may be used by separating the copper pipe by insulating materials.

All pipe joints should be made using flux less brazing method. All joints of copper to copper should be brazed by silver brazing filler material without flux.

After erection, the pipes should be flushed with dry nitrogen gas and then pressure tested with dry nitrogen/ Medical Air at a pressure equal to twice the working pressure (or 10.5 kg/cm<sup>2</sup> whichever is higher) for a period of not less than 24 hours. All leaks and joints revealed during testing should be rectified and re-tested till the pressure in pipes stands for at least 24 hours. Finally, before use of the system, each pipeline should be flushed with working gas.

All the piping system shall be finally tested in the presence of the authorized representative/Third Party Inspection Agency (TPI) to be appointed by HDC before final approval and Certification.

## PAINTING

All exposed pipes should be painted with two coats of synthetic enamel paint and colour codification should be as per IS: 2379 of 1990.

Besides pipelines, colour band identification should be applied near to valves, junctions, walls etc. A label applied every 3 M bearing 6mm size letters should identify each gas. Self-adhesive plastic labels with direction of flow should be used for this purpose. A band 150 mm wide is usually adequate.

### 7.0 ISOLATION VALVES (Make: RB, ZOLOTO, LEADER or equivalent)

The isolation valves should be Non Lubricated Ball type, suitable for oxygen service. Necessary certificate should be provided from the manufacturer on this matter. All valves should be pneumatically tested for twice the working pressure and factory de-greased for medical gas service before supply. The necessary certificate for de-greasing is to be submitted.

## 8.0 Alarm Valve Service Unit

### 8.1 Valve Box Assembly (Make: AKTIV, MR, Mediline or equivalent)

Valve Box is made of Powder Coated M.S. Material. Valve Box Assembly consists of the following:

Lever operated quarter turn valve (i.e. 90 degree shut off ball valve, factory degreased and suitable for oxygen service) with brass body and chrome plated brass ball.

- Brass fittings (Nut, Nipples and extruded brass Adapter) KE Type Seat Brass Block for pressure gauge.
- 2" Dial gauges (0 - 10 kg/cm<sup>2</sup>, 0 - 760mm Hg) Nylon Bush for copper pipes holding with the valve box
- Beading for box lead
- NIST Connection to be provided in the downstream.
- Lockable cover with breakable glass so that during normal operation access by key. But during emergency operation, access by breaking the glass panel.

### 8.2. Medical Gas Area Line Pressure Alarm (Make: AKTIV, MR, Mediline or equivalent) (4 Service: Oxygen, N<sub>2</sub>O, MA4 Air, and Vacuum) (3 Services: Oxygen, MA4 Air and Vacuum) (2 Services: Oxygen, and Vacuum)

The area alarm panel will have connection for each gas service. The heart of each area control stations will be a state of the art microprocessor controlled clinical emergency alarm management system to monitor the status of the various clinical areas of the medical gas management system.

The system will constantly monitor the distribution line pressure in central medical gas management system. The display should indicate the actual line pressure measured by sensors as per the service under monitoring. The GREEN LED at the centre of the level meter should indicate the actual pressure / vacuum complying with the normal level defined.

YELLOW /RED LEDs indicate deviation of the service under monitoring to for Low or High pressure or only Low for Vacuum respective to normal level by 10% higher or lower respectively. The pipe connection to the alarm should have NRV/ NIST connection.

#### **10.0 GAS/ VACUUM TERMINAL OUTLETS**

**(MAKE: Linde, MR, AKTIV, Ellenbarrie)**

The terminal outlets for gas & vacuum should comply with latest international standard ISO 9170-1 & BS: 5682.

1. The terminal outlets must be certified having the CE mark /UL Listing.
2. All the internal and external surfaces of the outlets should be appropriately treated and cleaned to ensure strict compliance to the standards.
3. The terminal outlets should operate at the standard distribution pressure level corresponding to the standard line pressure of the medical gas pipeline system, which is around 4 - 5 bar for compressed gases and 0 - 400mbar (absolute pressure) for vacuum. It must be possible to operate the outlets in one hand for the purpose of coupling (locking) and decoupling (unlocking)
4. The gas specific basic block should be fitted with a non-return and service valve. The non-return valve should open up when the gas specific probe for the terminal outlet is inserted to the terminal outlet and it should close automatically when the probe is removed. Probe parking position must be a standard feature of the gas outlet.
5. The servicing valve should be able to be screwed to the connecting thread in the rear part of the basic block thereby interrupting the gas supply to the terminal block entirely. Thus ensuring a separate and gas tight shut-off of the terminal for any servicing work.
6. All the wear and tear parts (like O-rings seals) should be combined in one single sub-assembly group inside the terminal outlet, so that these can be replaced easily by removing one easy fix and remove sub-assembly. The total number of O-ring seals in the entire terminal outlet assembly should be as less as possible but in any case should not be more than three maximum.
7. All the sub-assemblies of the terminal unit should be clearly marked with the type of service it is intended for use. The gas indexing of the various sub-assemblies should prevent any wrong assemblies being made by the installers or service technicians.
8. Two stage locking / parking position in outlets should be there for better safe operations.
9. The terminal outlets should have the first fix assemblies available in the standard manufactured models suiting the various applications functionally as well as aesthetically strictly complying to the specific types as recommended in the respective standards.

#### **11.0 Bed Head Panels (Horizontal / Vertical)**

**( MAKE: MR, AKTIV, MEDILINE or equivalent)**

- Efficient, Safe & Robust design in extruded aluminium section.
- Smooth curved surfaces, and choice of base colour and fascia plates.

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Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS)  
including comprehensive operation and maintenance for five years

- The headwall system should be constructed of aluminium extrusions joined together to form a carcass to suit the particular application. Unit should be factory assembled for electrical and mechanical components.
- Front fascia plate should be removable individually to access for respective service.
- Length of horizontal/ vertical Bed Head Panel shall be 900 mm.
- Bed head should have provision for Facility of 4 Outlets per unit.
- **12.0 Combined Electrical Control Panel for Compressor & Vacuum System**

Common Electrical Control Panel for Air-Compressors and Vacuum Pumps, cubicle type, complete with Mains Incomer, Bus Bar arrangement, Voltmeter with VSS, Phase indicating lights, Phase loss or Phase Reversal indicating light, individual MCBs for all starters, individual Ammeters for all motors, Single Phasing Preventer, Contactors, Overload Relays, Control Circuit MCB, Start/ Stop

Push buttons, Auto/ Manual switches, Pump "ON" & Pump "TRIP" indicating lights, sequencing Relays (Separate for Air Compressors and Vacuum pumps) with overriding feature.

The Control Panel should facilitate synchronize operation of Vacuum Pump and Compressor. Electrical control panel is made of MS Sheet having thickness 16 SWG and should be epoxy powder coated. The electrical control panel would be equipped with auto manual selector, Star-Delta starters each compatible to motors for compressors and DOL starter's compatible to each electric motor for Vacuum pumps.

The electrical control panel would be further equipped for Duplex and cascade system for vacuum pumps & Air Compressors and also be equipped with safety equipment for the air compressors. Safety equipment for air compressors would include temperature controller and temperature indicator. All terminals, switches and lights must be duly marked.

Internal wiring must be duly ferruled. Incomer shall be of adequate size so that it is suitable for the total load of the system.

The panel shall be provided with am-meter, power control for Star-Delta / DOL Starter, Indication Lamp indicating all three phases, indication lamp indicating compressor 1 on, compressor 2 off, compressor 2 on, compressor 1 off and so on.

The panel shall also be provided with Hour meter, stop, start and test, switch for control supply on and off, duty selecting switch (auto / manual), indicators for overload.

The panel is designed to trip off the system in case of overload by giving an audio and visual alarm. If the first compressor/Vacuum Pump fails due to any fault, the second compressor/vacuum pump will automatically start without giving any drop in pressure at the outlet point.

Duty selector switch can be used in auto or manual.

Electrical Control Panel will have following features:

- Incoming - MCCB with aluminium Bus Bar and complete metering (i.e. Ammeter & Voltmeter) with R-Y-B selector switches
- R-Y-B phase indicating lamps (LED type).
- Individual MCCB and Ammeter for Air compressors with Connector & over Load having

Single Phase Preventer.

- Individual MCB for vacuum pumps with Connector & over Load having Single Phase Preventer.
- Individual start & stop push buttons with ON/OFF indicating lamps.
- Appropriate relay and programming for changing and running Air compressors & Vacuum pumps according to the mentioned sequence of operation.
- The panel should be provided with prominent engraved identification plates.
- In case of electrical power failure, both compressor and vacuum system should be re-started automatically with restoration of power.
- Individual Auto-Manual switches for Vacuum Pumps & Compressors.
- Tripping for abnormal operating conditions like earth fault, over current etc.
- Panel earthing of 2 nos. 50mm GI pipe electrode to be provided.
- Spare feeder of each type of feeder to be provided.
- The panel should be IEC 61439/1&2 and type test certificate should be in the name of the OEM.

### **13.0 CEILING PENDANTS FOR OT**

The Ceiling Pendant should fully comply and meet with the requirements of the UK DOH Health Technical Memorandum 02-01 (HTM 02-01) standards / NFPA / DIN Standard. It shall be CE marked /UL-listed. A copy of the certificate of origin should be provided along with the supply.

The pendant should have Double Arm Configuration and non-motorized movement. The Pendant Column should be non-retractable.

The features of the Pendant should be as following:

Double Arm Pendant having 800/1000 MM. length of each arm.

- The Column is customized and non-retractable.
- Non-motorized Movement.
- There would be 8 no. Electrical Sockets.
- There would be provision of 8 no. Gas/ vacuum Outlets.
- There will be 3 no. of shelves
- Swivelling range should be 320° at all joints.
- Possible stop of the movement at every 30°.
- Total Loading Capacity: 120 Kg.
- Material of Construction: Anodized Aluminium.

### **14.0 ACCESSORIES FOR PIPELINE SYSTEM**

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#### **14.1 BPC Flow meter with Humidifier (CE-certified):**

**(MAKE: RAMSON, MR, AKTIV or equivalent)**

Back Pressure Compensated flow meter is of accurate gas flow measurement with following features:

- Control within a range of 0 – 15 LPM, out of which 0-5 LPM should be with expanded scale.
- It meets strict precision and durability standard.
- The flow meter body is made of brass chrome plated materials.
- The flow tube and shroud components are made of clear, impact resistant polycarbonate. Flow Tube has large and expanded 0 – 5 LPM range for improved readability at low flows.
- Inlet filter of stainless steel wire mesh to prevent entry of foreign particles.
- The humidifier bottle is made of unbreakable polycarbonate material and autoclavable at 121°C temperature.

#### **14.2 Ward Vacuum Unit (CE-certified):**

**(MAKE: RAMSON, MR, AKTIV or equivalent)**

Ward Vacuum Unit will be light weight and compact.

The unit will consist of-

- A regulator,
- A 600 ml. reusable collection jar, made of unbreakable poly carbonate material and fully autoclavable at 121°C temperature.
- A wall bracket for mounting the jar assembly on the wall.
- The vacuum regulator with instant ON / OFF switch should be infinitely adjustable and the vacuum gauge will indicate suction supplied by the regulator.

**14.3** Safety trap should be provided inside the jar to safeguard the regulator from overflowing. Theatre Vacuum Units (CE-certified):

**(MAKE: RAMSON, MR, AKTIV or equivalent)**

The unit will be consisting of two reusable 2000 ml shatter resistant bottle, each made up of poly carbonate material and fully auto clavable at 121°C temperature.

# **SECTION VII**

## **GENERAL CONDITIONS OF CONTRACT (GCC)**

### **General Conditions of Contract**

#### **Forms And Agreements**

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Sanctioned by the Trustees under Resolution No. 92 of the 6<sup>th</sup>  
Meeting held on 27<sup>th</sup> May, 1993

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**CALCUTTA PORT TRUST  
CALCUTTA DOCK SYSTEM  
& HALDIA DOCK COMPLEX  
MAY, 1993**

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**Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years**

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## GENERAL CONDITIONS OF CONTRACT

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## DEFINITIONS

### 1. DEFINITIONS

- 1.0      **In the contract, as here in after defined, the following words and expressions shall have the meaning herein assigned to them, except where the context otherwise required.**
- 1.1      **"Employer" or "Board" or "Trustees" means of the Board of Trustees for the Port of Calcutta, a body corporate under Section 3 of the Major Port Trusts Act, 1963, including their successors, representatives and assigns.**      Employer
- 1.2      **"Chairman" means the Chairman of the Board and includes the person appointed to act in his place under Sections 14 and 14A of the Major Port Trusts Act, 1963.**      Chairman
- 1.3      **"Contractor" means the person or persons, Firm or Company whose tender/offer has been accepted by the Trustees and includes the Contractor's representatives, heirs, successor and assigns, if any, permitted by the Board/Chairman.**      Contractor
- 1.4      **"Engineer" means the Board's official who has invited the tender on its behalf and includes the Chief Engineer, the Chief Mechanical Engineer, the Senior Executive Engineer, the Chief Hydraulic Engineer, the Deputy Chief Engineer, the Deputy Chief Mechanical Engineer, the Senior Resident Engineer, the Manager (Infrastructure & Civic Facilities), the Manager (Plant & Equipment), the Deputy Manager (Infrastructure & Civic Facilities) and the Deputy Manager (Plant & Equipment) or other official as may be appointed from time to time by the Employer, with written notification to the Contractor, to act as Engineer for the purpose of the Contract, in place of the "Engineer" so designated.**      Engineer
- 1.5      **"Engineer's Representative" means any subordinate or Assistant to the Engineer or any other official appointed from time to time by the Engineer to perform the duties set forth in Clauses 2.4 to 2.6 hereof.**      Engineer's Representative

- 1.6 **"Work" means the work to be executed in accordance with the Contract and includes authorised "Extra Works" and "Excess Works" and "Temporary Works".** Works
- 1.7 **"Temporary Works" means all temporary works of every kind required in or about the execution, completion or maintenance of the works and includes (without thereby limiting the foregoing definitions) all temporary erections, scaffolding, ladders, timbering, soaking vats, site offices, cement and other godowns, platforms and bins for stacking building materials, gantries, temporary tracks and roads, temporary culverts and mixing platforms.** Temporary works
- 1.8 **"Extra Works" means those works required by the Engineer for completion of the Contract which were not specifically and separately included in the schedule of items of the works i.e. (Bill of Quantities) of the tender. "Excess Works" means the required quantities of work in excess of the provision made against any item of the bill of Quantities.** Extra works and Excess works
- 1.9 **"Specifications" means the relevant and appropriate Bureau of Indian Standard's specifications (latest revisions) for materials and workmanship unless stated otherwise in the Tender.** Specification
- 1.10 **"Drawings" means the drawings referred to in the Tender and specification and any modification of such drawings approved in writing by the Engineer and such other drawings as may from time to time be furnished or approved in writing by the Engineer.** Drawings
- 1.11 **"Contract" means and includes the General and Special Conditions of Contract, Specifications, Drawings, priced Bill of Quantities, the Tender / Offer, the letter of acceptance of the Tender/Offer, the Contract Agreement, if separately entered into and the Schedule of Rates and Price, if any, adopted by the Trustees at their discretion.** Contract
- 1.12 **"Constructional Plant" means all appliances or things of whatsoever nature required in or about the execution, completion or maintenance of the works or temporary works and includes (without thereby limiting the foregoing definition) all machinery and tools but does not** Constructional Plant

include materials or other things intended to form or forming

- 1.13 **"Site" means the land, and other places, on, under, in or any other Lands or places provided by the Trustees for the** Site
- 1.14 **"Contract Price" means the sum named in the letter of additions thereto and deductions therefrom as may be made by** Contract Price
- 1.15 **"Month" means English Calendar Month.** Month
- 1.16 **"Excepted Risks" are riot in so far as it is uninsurable, war, declared or not), Civil War, rebellion, revolution, insurrection or of any portion of the works in respect of which a certificate of referred to as the excepted risks).** Excepted Risks
- 1.17 **Word importing the singular only, also includes the plural and** Singular/Plural
- 1.18 **The heading and marginal notes in these General Conditions of consideration in the interpretation or construction thereof or of** Headings/  
Marginal Notes.
- 1.19 **Unless otherwise stipulated the word "Cost" shall be or off the site.** Cost
- 2.0 **DUTIES & POWERS OF ENGINEER & ENGINEER'S**
- 2.1 **The Contractor shall execute, compete and maintainthe works in shall comply with the Engineer's direction on any matter** Engineer's  
Authority
- 2.2 **The Contractor shall take instructions from the Engineer and Engineer's Representative.** Authority of  
Engineer's  
Representative

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Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years

2.3	<i>The Engineer shall have full power and authority:</i>	<b>Engineer's Power</b>
	<ul style="list-style-type: none"> <li>(a) to supply to the contractor from time to time during the progress of the works such further drawings and instructions as shall be necessary for the purpose of proper and adequate execution and maintenance of the works and the contractor shall carry out and be bound by the same.</li> <li>(b) to alter or modify the specification of any material and workmanship and to inspect the work at any time.</li> <li>(c) to order for any variation, alteration and modification of the work and for extra works.</li> <li>(d) to issue certificates as per contract.</li> <li>(e) to settle the claims &amp; disputes of the Contractor and Trustees, as the first referee.</li> <li>(f) to grant extension of completion time.</li> </ul>	
2.4	<i>The Engineer's Representative shall:</i>	<b>Power of</b>
	<ul style="list-style-type: none"> <li>(i) watch and supervise the works.</li> <li>(ii) test and examine any material to be used or workmanship employed in connection with the work.</li> <li>(iii) have power to disapprove any material and workmanship not in accordance with the contract and the contractor shall comply with his direction in this regard.</li> <li>(iv) take measurements of work done by the contractor for the purpose of payment or otherwise.</li> <li>(v) order demolition of defectively done work for its reconstruction all by the Contractor at his own expense.</li> <li>(vi) have powers to issue alteration order not implying modification of design and extension of completion time of the work and,</li> <li>(vii) have such other powers and authorities vested in the Engineer, which have been delegated to him in writing by the Engineer under intimation to the Contractor.</li> </ul>	<b>Engineer's Representative.</b>

**2.5      Provided always that the Engineer's Representative shall      Limitation      of  
have no power:      Engineer's**

- (a) to order any work involving delay or any extra payment by the Trustees,
  - (b) to make variation of or in the works; and
  - (c) to relieve the Contractor of any of his duties or obligations under the Contract.
- Representative's Power**

**2.6 Provided also as follows:**

**Engineer's  
Overriding Power**

- (a) **Failure of Engineer's Representative to disapprove any work or materials shall not prejudice the power of the Engineer thereafter to disapprove such work or materials and to order the pulling down, removal, breaking-up thereof and re-constructing at the contractor's cost and the contractor shall have no claim to compensation for the loss sustained by him.**
- (b) **If the contractor shall be dissatisfied by reason of any decision of the Engineer's Representative, he shall be entitled to refer the matter to the Engineer who shall thereupon confirm, reverse or vary such decision.**
- (c) **Any written instructions or written approval given by the Engineer's Representative to the contractor, within the terms of delegation of power and authority vested in the Engineer to his Representative in writing, shall bind the contractor and the Trustees as though it had been given by the Engineer, who may from time to time make such delegation.**

**3.0 THE TENDER/OFFER AND ITS PRE-REQUISITES**

- 3.1 The Contractor shall, before making out and submitting his tender/offer, be deemed to have inspected and examined the site, fully considered all factors, risks and contingencies, which will have direct and indirect impact on his expenses and profit from the work and shall be specifically deemed to have taken the following aspects into consideration:**
- The tender must encompass all relevant aspects/ issues.**

- (a) **The form and nature of the site and its surroundings including their sub-surface, hydrological, tidal and climatic conditions, the means of access to the site and all other local conditions, including the likely charges and costs for temporary way-leave, if any, required for the work.**
- Site & Local condition.**

(b) The drawings, specifications, the nature and extent of work to be executed and the quality, quantity and	Drawing/Specification/ Nature &
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availability of the required materials and labour for the work the Engineer, and also by complying with the General and extent of work to be done.

- (c) The accommodation required for the workmen and site office, equipment and Construction materials. **Accommodation for Contractor's men/materials.**
- (d) The sources and means of procurement of water for drinking, of electrical power, all at Contractor's cost. **Water drinking /Electrical for etc.**
- (e) Payment of taxes and duties and compliance of all applicable thereunder, the rules, regulations and bye-laws of public keeping the Trustees indemnified against penalties and failure in such compliance. **Payment of Taxes/duties and observance of all statutes.**
- (f) Payment of all kinds of stamp-duty for executing the Guarantees and Indemnity Bonds. **Payment of by the Contractor.**

**3.2 The Contractor's tender shall be in ink on the Tender**  
the Notice Inviting the Tender and shall be faultless in figures scoring out and initialling of the revised figure.

**3.3 If required by the Engineer or the Trustees, the Contractors in owners/partners/share holders at the required points of time. The if entered into, shall be liable to be cancelled.** **Disclosure of Owner's name.**

**3.4 (a) Unless otherwise stipulated in the Notice Inviting Tender / of the amount calculated as per the following scale.** **Earnest Money and Security Deposit.**

	<b>Amount of Earnest Money</b>	
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Estimated Value of Work	For Works Contract	For Contract Supplying Material or Equipment only.
Up to Rs. 1,00,000.00	5% of the estimated value of work	1% of the estimated value of work.
Over Rs. 1,00,000.00	2% of the estimated value of work subject to a maximum of Rs. 20,000/- and	1/2% of the estimated value of work subject to a maximum of Rs. 10,000/- and

(b) Earnest Money shall be deposited with the Trustee in cash or by Banker's Cheque of an

Scale of E. M. Deposit

Method of Paying E.M.

in favour of Calcutta Port Trust or in the form of any "Account Payee" Draft of any Nationalised Bank of India drawn in favour of "Calcutta Port Trust" and payable at Calcutta/Haldia, as the case may be, and the receipt granted therefor be kept attached to the Tender/Offer in the Sealed Cover.

Refund of E.M.

- (c) Earnest Money of unaccepted tender shall be refunded without any interest through A/c. Payee Cheque drawn on a Nationalised Bank of Calcutta / Haldia.
- (d) The enlisted (registered ) Contractors of the Trustees who have deposited fixed Security with the Trustees' FA & CAO / Manager (Finance) according to his Class of Registration, shall be exempt from depositing the Earnest Money, as per the following scale :

Exemption from E.M. to Regd. Firms

Class of Registration	Amount of Fixed Security	Financial Limit of Each Tender	
A	Rs. 10,000/-	Any tender priced up to Rs.2,00,000/-	
B	Rs. 5,000/-	Any tender priced up to Rs.1,00,000/-	
C	Rs. 2,500/-	Any tender priced up to Rs.50,000/-	

- (e) (i) Tender submitted without requisite Earnest Money may be liable to rejection. Tender without EM liable to rejection.
- (ii) If before expiry of the validity period of his Tender/Offer, the tenderer amends his quoted rates or tender/offer making them unacceptable to the Trustees and/or withdraws his tender/offer, the Earnest Money deposited shall be liable to forfeiture at the option of the Trustees. Forfeiture of E.M. before Acceptance of offer.
- (f) The Earnest Money of accepted tender/offer shall be retained by the Trustees as part of the Security Deposit, for which a separate Treasury Receipt shall be issued to the Contractor after cancellation of the previous Receipt of Earnest Money. E.M. to be converted to part S.D.
- (g) Balance security for works contract shall be recovered by deduction from all progressive Bill (including final Bill, if necessary) @ 10% of the gross value of work in each such bill, so that the total recovery may not exceed the quantum computed as per the under noted percentages of the total value of work actually done up to the stage of completion. Mode of recovery of balance S.D.

Value of Work	% of Security Deposit for works contract.	% of Security Deposit for contract of supply-ing materials & equipment only.	Scale of S.D. recovery.
For works up to Rs.10,00,000/-.	10% (Ten percent)	1% (One percent)	
For works costing more than Rs.10,00,000/- and up to Rs.20,00,000/-	10% on first Rs.10,00,000/- + 7½% on the balance.	1% on first Rs.10,00,000/- + ½% on the balance.	
For works costing more than Rs.20,00,000/-	10% on first Rs.10,00,000/- + 7 ½% on the next Rs.10,00,000/- + 5% on the balance.	1% on first Rs.10,00,000/- + ½% on the next Rs.10,00,000/- + ¼% on the balance.	

- (h) **Balance Security for Contract of supplying materials and equipment computed in terms of the percentages given above, shall have to be deposited with the Trustees' Treasurer in advance and within 30 days from the date of placement of supply order, either in cash or by A/c. Payee Draft of a Nationalised Bank of India drawn in favour of Calcutta Port Trust and payable at Calcutta/Haldia, as the case may be.** S.D. for supply contracts to be deposited in advance.
- (i) **No interest shall be paid by the Trustees to the Tenderer/Contractor on the amount of Earnest Money/Security Deposit held by the Trustees, at any stage.** No interest payable on E.M. /S.D
- 3.5 (i) **The Security Deposit shall be refunded to the Contractor in terms of Clause 9.3 hereinafter and subject to deduction, if any, under the provision of Sub-clause 3.5** Mode of refund of S.D.  
(ii) **herein below.**  
**If, however, the Contract provides for any maintenance period, 50% of the Security Deposit may be refunded against any of the treasury Receipt for that amount on expiry of half of the maintenance period and the balance deposit on the expiry of the said maintenance period and after the Engineer has certified the final completion of work in Form G.C.2 and the Contractor has submitted his "No Claim" Certificate in Form G.C.3.**
- (ii) **The Security Deposit/Earnest Money may be liable to forfeiture at the option of the Trustees, if the Contractor fails to carry out the work or to perform/observe any of the conditions of the Contract. The Trustees shall also be at liberty to deduct any of their dues from the Security Deposit, fixed Security, Earnest Money or from any sum due or to become due to the Contractor under any other contract.** Forfeiture of S.D.

- 3.6 If stipulated in the contract as a Special Condition, the contractor shall have to submit to the Engineer a performance Bond in the form of an irrevocable guarantee from Calcutta/Haldia Branch, as the case may be, of any Nationalised Bank of India in the proforma annexed hereto and for the sum and period as mentioned in the letter of acceptance of the Tender/Offer, within 15 days from the date of such letter, failing which the Contract shall be liable to be terminated and the earnest money shall be liable to forfeiture; all at the discretion of the Engineer. The cost of obtaining this or any other Bank Guarantee and/or the revalidation thereof, wherever required, has to be borne by the Contractor and it shall be his sole responsibility to arrange for timely revalidation of such Bank Guarantee, failing which and for non-fulfilment of any contractual obligation by the Contractor, the Engineer and/or the Trustees shall be at liberty to raise claim against the Guarantee and/or enforce the same unilaterally.
- Bank Guarantee in lieu of Cash S.D. in certain cases

#### 4.0 THE CONTRACT & GENERAL OBLIGATIONS OF CONTRACTOR

- 4.1 (a) The contract documents shall be drawn-up in English language.
- English language to be used
- (b) The contract shall be governed by all relevant Indian Acts as applicable only within the jurisdiction of the High Court at Calcutta, India, including the following Acts :
- Applicability of laws on the contract
1. The Indian Contract Act, 1872.
  2. The Major Port Trusts Act, 1963.
  3. **The Workmen's Compensation Act, 1923.**
  4. The Minimum Wages Act, 1948.
  5. The Contract Labour (Regulation & Abolition) Act, 1970.
  6. **The Dock Workers' Act, 1948.**
  7. The Indian Arbitration Act, (1940) (in the case of a definite Arbitration Agreement only).

- 4.2 After acceptance of his Tender/Offer and when called on to do so by the engineer or his representative, the contractor shall, at his own expense, enter into and execute a Contract Agreement to be prepared by him in the form annexed hereto. Until such Contract Agreement is executed, the other documents referred to the definition of the term **'Contract'** here-in-before, shall collectively be the Contract. Contractor to Execute Contract Agreement.
- 4.3 Several documents forming the contract are to be taken as mutually explanatory of one another. Should there be any discrepancy, ambiguity, omission or error in the various contract documents, the Engineer shall have the power to correct the same and his decision shall be final and binding on the parties to the Contract. Interpretation of contract documents – **Engineers'** Power
- 4.4 Two copies of the Drawings referred to in the general and special Conditions of Contract and in the Bill of Quantities, shall be furnished by the Engineer to the Contractors free of cost for his use on the work, but these shall remain the property of the Trustees and hence, the Contractor shall return them to the Engineer or his Representative on completion of the work, if not torn or mutilated on being regularly used at site. All Drawings are **Trustees'** property.
- 4.5 The Contractor shall prove and make at his own expense any working or progress drawings required by him or necessary for the proper execution of the works and shall, when required, furnish copies of the same free of cost to the Engineer for his information and/or approval, without meaning thereby the shifting of Contractor's responsibility on the Engineer in any way whatsoever. Contractor to prepare working / progress drawings
- 4.6 The Contractor shall not directly or indirectly transfer, assign or sublet the Contract or any part thereof without the written permission of the Engineer. Even if such permission be granted, the Contractor shall remain responsible (a) for the acts, defaults and neglect of any sub-contractor, his agents, servants or workmen as fully as if these were the acts, defaults or neglects of the Contractor himself or his agents, servants or workmen, and (b) for his full and entire responsibility of the contract and for active superintendence of the works by him despite being sublet, provided always that the provision of labourers on a "piece rate" basis shall not be deemed to be sub-letting under this clause. Contractor cannot sub-let the work

- 4.7** Unless otherwise specified, the Contractor shall be deemed to have included in his Tender/Offer all his cost for supplying and providing all constructional plant, temporary work. Materials both for temporary and permanent works, labour including supervision thereof, transporting to and from the site and in and about the work, including loading, unloading, fencing, watching, lighting, payment of fees, taxes and duties to the appropriate authorities and other things of every kind required for the construction, erection, completion and maintenance of the work.
- Contractors' price is inclusive of all costs**
- 4.8** The Contractor shall be solely responsible for the adequacy, stability and safety of all site operations and methods of construction, even if any prior approval thereto has been taken from the Engineer or his Representative. The Contractor shall not be responsible for the correctness of the design or specification of the Temporary and Permanent works formulated by the Engineer; but the Contractor shall be fully responsible for the correct implementation thereof, as also for any design and specification prepared/proposed/used by the Contractor.
- Contractor is responsible for all construction process, except for correctness of design and specification formulated by the Engineer**
- 4.9** Whenever required by the Engineer or his representative, the Contractor shall submit to him the details of his (a) programme for execution of the work, (b) proposed procedure and methods of work, (c) proposed deployment of plant, equipment, labour, materials and temporary works. The submission to and/or any approval by the Engineer or his Representative to any such programme or particulars shall not relieve the Contractor of any of his obligations under the contract.
- Contractor to submit his programme of work**
- If for any reason the contractor be unable to adhere to his earlier programme, he shall submit his revised programme for completion of work within the stipulated time whenever asked to do so.

- 4.10 Necessary and adequate supervision shall be provided by the Contractor during execution of the works and as long thereafter as the Engineer or his representative shall consider necessary during the maintenance period. The Contractor or his competent and authorised agent or representative shall be constantly at site and instructions given to him by the Engineer or his representative in writing shall be binding upon the Contractor subject to limitation in Clause 2.5 hereof. The Contractor shall inform the Engineer or his representative in writing about such representative/agent of him at site. Contractor to supervise the works
- 4.11 The Contractor shall employ in execution of the Contract only qualified, careful and experienced persons and the Engineer shall be at liberty to direct the Contractor to stop deployment of any of his staff, workmen or official at site and the Contractor shall within 48 hours comply with such instruction without any demur whenever the Engineer shall feel that the deployment of the person concerned will not be conducive to the proper and timely completion of the work. Contractor to deploy qualified men and Engineer's power to remove Contractor's men
- 4.12 The Contractor shall be responsible for the true and proper setting out of the works in relation to reference points/lines/levels given by the Engineer in writing. The checking of any setting-out or of any alignment or level by the Engineer or his Representative shall not in any way relieve the contractor of his responsibility for the correctness thereof and he shall fully provide, protect and preserve all stakes, templates, bench marks, sight rails, pegs, level marks, profile marks and other things used in setting out the works. Contractor is responsible for line, level, setting out etc.



- 4.13 From the commencement of the works till issue of the completion certificate in Form G.C.1, vide Clause 5.12 hereof, the contractor shall take full responsibility for the care thereof. Save for the excepted risks, any damage, loss or injury to the work or any part thereof shall be made good by the Contractor at his own cost as per instruction and to the satisfaction of the engineer, failing which the Engineer or his Representative may cause the same to be made good by any other agency and the expenses incurred and certified by the Engineer, shall be recoverable from the contractor in whatever manner the Engineer shall deem proper. This Clause will not apply to that part of the work, which might have been taken over by the Trustees on partial completion of the work and in such case the Contractor's obligation will be limited to repairs and replacement for manufacturing or construction defects during the Maintenance period (Guarantee Period) as per the directions of the Engineer as also for defects/damages if any caused to the work by the Contractor during such repairs and replacement in the maintenance period.
- Contractor is responsible to protect the work
- 4.14 The Contractor shall at his own cost protect support and take all precautions in regard to the personnel or structure or services or properties belonging to the Trustees or not which may be interfered with or affected or disturbed or endangered and shall indemnify and keep indemnified the Trustees against claim for injury, loss or damage caused by the Contractor in connection with the execution and maintenance of the work to the aforesaid properties, structures and services and/or to any person including the Contractor's workmen. Cost of Insurance Cover, if any, taken by the Contractor shall not be reimbursed by the Trustees, unless otherwise stipulated in the Contract.
- Contractor is responsible for all damages to other structures / persons caused by him in executing the work.
- 4.15 The Contractor shall immediately inform the Engineer's Representatives if any fossil, coins, articles of value or antiquity and structures and other remains or things of geological or archaeological importance be discovered at site which shall remain the property of the Trustees and protect them from being damaged by his workmen and arrange for disposal of them at the Trustees' expense as per the instruction of the Engineer's Representative.
- Fossils, Treasure troves, etc. are Trustees' property

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| 4.16 | <p>The Contractor shall be deemed to have indemnified the Trustees against all claims, demands, actions and proceedings and all costs arising therefrom on account of:</p> <ul style="list-style-type: none"> <li>(a) Infringement of any patent right, design, trademark or name or other protected right, in connection with the works or temporary work.</li> <li>(b) Payment of all royalties, rent, toll charges, local taxes, other payments or compensation, if any, for getting all materials and equipment required for the work.</li> <li>(c) Unauthorised obstruction or nuisance caused by the contractor in respect of Public or Private or Private road, railway tracks, footpaths, crane tracks, waterways, quays and other properties belonging to the Trustees or any other person.</li> <li>(d) Damage/injury caused to any highway and bridge on <b>account of the movement of Contractor's plants and</b> materials in connection with the work.</li> <li>(e) Pollution of waterway and damage caused to river, lock, sea-wall or other structure related to waterway, <b>in transporting contractor's plants and materials.</b></li> <li>(f) <b>The Contractor's default in affording all reasonable facilities and accommodation as per the direction of the Engineer or his Representative to the workmen of the Trustees and other agencies employed by or with the permission and/or knowledge of the Trustees on or near the site of work.</b></li> </ul> | <p>Contractor to Indemnify the Trustees against all claims for loss, damage, etc.</p> |
| 4.17 | <p>Debris and materials, if obtained by demolishing any property, building or structure in terms of the Contract shall remain the property of the Trustees.</p>   | <p>Dismantled materials <b>Trustees'</b> property</p>                                 |

- 4.18 **The Contractor's quoted rates shall be deemed to have been inclusive of the following :**
- Contractor's quoted rates/price must be all inclusive**
- (a) Keeping the site free of unnecessary obstruction and removal from site of constructional plant wreckage, rubbish, surplus earth or temporary works no longer required.
  - (b) Cleaning and removal from site all the surplus materials of every kind to leave the site clean and tidy after completion of the work, without which payment against final bill may be liable to be withheld.
  - (c) Precautionary measures to secure efficient protection of Docks, the River Hooghly and other waterways against pollution of whatever nature during execution and maintenance of the works and to prevent rubbish, refuse and other materials from being thrown into the **water by the Contractor's men or those of his agency.**
  - (d) Making arrangements for deployment of all labourers and workers, local or otherwise including payment for their wages, transport, accommodation, medical and all other statutory benefits and entry permits, wherever necessary.
  - (e) Making arrangements in or around the site, as per the requirements of Calcutta Municipality Corporation or other local authority or the Engineer or his Representative, for preventing (i) spread of any infectious disease like smallpox, cholera, plague or malaria by taking effective actions for destruction of rats, mice, vermin, mosquitoes, etc. and by maintaining healthy and sanitary condition, (ii) illegal storage and distribution of Drugs, Narcotics, Alcoholic liquor, Arms and Ammunitions, (iii) unlawful, riotous or **disorderly conduct of the Contractor's or his Sub-Contractor's workmen, (iv) deployment of workmen** of age less than 16 years.

- 4.19 Every direction or notice to be given to the Contractor shall be deemed to have been duly served on or received by the Contractor, if the same is posted or sent by hand to **the address given in the tender or to the Contractor's Site Office or in case of Trustee's enlisted contractor to the address as appearing in the Trustee's Register or to the Registered Office of the Contractor.** The time mentioned in these conditions for doing any act after direction or notice shall be reckoned from the time of such posting or despatch.
- Notice to Contractor.**

- 4.20      **The Contractor and his Sub-contractor or their agents and men and any firm supplying plant, materials and equipment shall not publish or caused to be published any photographs or description of the works without the prior authority of the Engineer in writing.**      **Contractor notto publish photograph or particulars of work**
- 4.21      **The Contractor shall, at the Trustees' cost to be decided by the Engineer, render all reasonable facilities and Co- operationas per direction of the Engineer or his representative to any other Contractor engaged by the Trustees and their workmen to the Trustees' own staff and to the men of other Public Body, on or near the site of work and in default, the Contractor shall be liable to the Trustees for any delay or expense incurred by reason of such default.**      **Contractor to provide facilities to outsiders**
- 4.22      **The work has to be carried out by the Contractor causing the minimum of hindrance for any maritime traffic or surface traffic.**      **Work to cause minimum possible hindrance to traffic movement**
- 4.23      **All constructional plants, temporary works and materials when brought to the site by the Contractor, shall be deemed to be the property of the Trustees who will have lien on the same until the satisfactory completion of the work and shall only be removed from the site in part or in full with the written permission of the Engineer or his Representative.**      **Trustees' lienon Contractor's Plant & Equipment.**
- 5.0      **COMMENCEMENT, EXECUTION AND COMPLETION OF WORK.**
- 5.1      **The Contractor shall commence the work within 7 days of the receipt of Engineer's letter informing acceptance of the Contractor's tender/offer by the Trustees or within such preliminary time as mentioned by the Contractor in the Form of Tender or the time accepted by the Trustees. The Contractor shall then proceed with the work with due expedition and without delay, except as may be expressly sanctioned or ordered by the Engineer or his Representatives, time being deemed the essence of the contract on the part of the contractor.**      **Preliminary time to commence work and maintenance of steady rate of progress**

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| 5.2 | The Contractor shall provide and maintain a suitable <b>office at or near the site to which the Engineer's Representative may send communications and instructions for use of the Contractor.</b>   | Contractor's site office  |
| 5.3 | Unless specified otherwise in the contract or prior permission of the Engineer has been taken, the contractor shall not execute the work beyond the working hours <b>observed by the Engineer's Representative and on Sundays and Holidays observed in the Trustees' system,</b> except in so far as it becomes essential on account of tidal work or for safety of the work. If the progress of the work lags behind schedule or the work has been endangered by any act or neglect on the part of the contractor, then the Engineer or his Representative shall order and the contractor at his own expense shall work by day and by night and on Sundays and Public Holidays. Any failure of the Engineer or his Representative to pass such an order shall not relieve the contractor from any of <b>his obligations. The Engineer's decision in this regard shall be final binding and conclusive.</b> | Contractor to observe Trustees' working hours   |
| 5.4 | Unless stipulated otherwise in the contract, all materials required for the work shall be procured and supplied by the contractor with the approval of the Engineer or his Representative and subject to subsequent testing as may be required by the Engineer or his Representative. The Engineer shall exercise his sole discretion to accept any such materials.   | Contractor to supply all materials as per requirement of the Engineer or his representative |
| 5.5 | Unless stipulated otherwise in the contract, all materials, workmanship and method of measurement shall be in accordance with the relevant Codes (Latest Revision) of the Bureau of Indian Standards and the written instructions of the Engineer or his Representative. Where no specific reference is available in the contract, the material and workmanship shall be of the best of their respective kinds to the satisfaction of the Engineer.   | Materials & Works   |
| 5.6 | Samples shall be prepared and submitted for approval of the Engineer or his representative, whenever required to <b>do so, all at the Contractor's cost.</b>  | Contractor to submit samples for approval   |

- 5.7** Unless stipulated otherwise in the contract, the cost of any test required by the Engineer or his representative in respect of materials and workmanship deployed on the work, shall be borne by the Contractor.
- Contractor to arrange all testing at his own cost.

Regarding the supply of any materials by the Trustees to the contractor in accordance with the contract, the following conditions shall apply;

- (a) The Contractor shall, at his own expense, arrange for **transporting the materials from the Trustees' Stores**, watching, storing and keeping them in his safe custody, furnishing of statement of consumption thereof in the manner required by the Engineer or his representative, return of surplus and empty container **to the Trustees' Stores as per the direction of the** Engineer or his Representative. The Contractor shall account for and look after **the Trustees' materials**
- (b) **Being the custodian of the Trustees' materials, the** contractor shall remain solely responsible for any such materials issued to him and for any loss or damage **thereof for any reason other than "Excepted Risks",** the Contractor shall compensate the Trustees' in the manner decided by the Engineer and shall at no stage remove or cause to be removed any such material from the site without his permission. Contractor compensate to for loss and damage to Trustees' materials
- (c) **The Trustees' materials will generally be supplied in** stages and in accordance with the rate of progress of work, but, except for grant of suitable extension of completion time of work as decided by the Engineer, the Contractor shall not be entitled to any other compensation, monetary or otherwise, for any delay in **the supply of Trustees' materials to him. The Contractor** shall, however, communicate his requirement of such materials to the Engineer from time to time. Delay in supply of Trustees' materials will only entitle the Contractor for extension of completion time of work
- (d) Unless stipulated otherwise in the contract, the value **of the Trustees' materials issued to the contractor shall be recovered from the contractor's bills and/or any of his** other dues, progressively according to the consumption thereof on the work and/or in the manner decided by the Engineer or his representative and at the rate/s stipulated in the contract. These rates shall only be considered by the contractor in the preparation of his tender/offer and these will form the basis of escalation/variation, if in future the contractor is required to procure and provide any such material on the written order of the Engineer consequent on the **Trustees' failure to effect timely supply thereof.** Recovery from Contractor for Trustees' materials under normal circumstances

**(e) If the Engineer decides that due to the contractor's negligence, any of the Trustees' materials issued to the contractor has been – (i) lost or damaged, (ii) consumed in excess of requirement and (iii) wasted by the contractor in excess of normal wastage, then the value thereof shall be recovered from the contractor's bills or from any of his other dues, after adding 19 ¼% extra over the higher one of the followings -**

**Recovery from Contractor for Trustees' materials under other circumstances.**

**(1) The issue rate of the materials at the Trustees' Stores and**

**(2) The market price of the material on the date of issue as would be determined by the Engineer.**

**5.9 The Engineer or his Representative shall have the power to inspect any material and work at any time and to order at any time – (i) for removal from the site of any material which in his opinion is not in accordance with the contract or the instruction of the engineer or his representative, (ii) for the substitution of the proper and suitable materials, or (iii) the removal and proper re-execution of any work, which in respect of material and workmanship is not in accordance with the contract or the instructions of the Engineer. The Contractor shall comply with such order at his own expense and within the time specified in the order. If the contractor fails to comply, the Engineer shall be at liberty to dispose any such materials and re-do any work in the manner convenient to the Trustees by engaging any outside agency at the risk and expense of the contractor and after giving him a written prior notice of 7 days.**

**Contractor to replace materials/work not acceptable to the Engineer or his Representative**

**5.10 No work shall be covered up and put out of view by the contractor without approval of the Engineer or his Representative and whenever required by him, the contractor shall uncover any part or parts of the work or make openings in or through the same as may be directed by the Engineer or his representative from time to time and shall reinstate or make good those part of works thus affected to the satisfaction of the Engineer, all at the cost of the contractor.**

**Contractor to seek approval of Engineer or his Representative before covering up any portion of work**

**The Trustees shall reimburse such cost as determined by the Engineer, if the initial covering up was with prior written order of the Engineer or his Representative.**



**5.11** On a written order of the Engineer or his Representative, the contractor shall delay or suspend the progress of the work till such time the written order to resume the execution is received by him. During such suspension the contractor shall protect and secure the work to the satisfaction of the Engineer or his Representative. All extra expenses in giving effect to such order shall be considered by the Trustees, unless such suspension is— **Contractor to suspend work on Order from Engineer or his Representative**

(a) otherwise provided for in the contract, or

(b) necessary by reason of some default on the part of the contractor, or

(c) necessary by reason of climatic conditions on the site, or

(d) necessary for proper execution of the works or for the safety of the works or any part thereof.

The Engineer shall settle and determine such extra payment and/or Extension of completion time to be allowed to the contractor, as shall, in the opinion of the Engineer, be fair and reasonable.

**5.11.1** If at any time before or after commencement of the work the Trustees do not require the whole of the work tendered for, the Engineer shall notify the same to the contractor in writing and the contractor shall stop further works in compliance of the same. The Contractor shall not be entitled to any claim for compensation for underived profit or for such premature stoppage of work or on account of curtailment of the originally intended work by reason of alteration made by the Engineer in the original specifications, drawings, designs and instructions.

**5.12** When the whole of the work has been completed to the satisfaction of the Engineer and has passed any final test prescribed in the contract, the contractor shall, within 21 days of submission of his application to the Engineer, be entitled to receive from him a certificate for completion of work in Form G.C.1, annexed hereto. If any part of the total work having been completed to the satisfaction of the Engineer, be taken over and/or used by the Trustees, the Contractor shall on application be entitled to partial completion certificate in the Form G.C.1 indicating the **Completion Certificate G.C.1.**  
**portion of the work covered by it, so that the Contractor's liability during maintenance period of the contract, if any, shall commence from the date mentioned in such certificate so far as the completed portion of the work is concerned.**

**6.0 TERMS OF PAYMENT :**

- 6.1** No sum shall be considered as earned by or due to the Contractor in respect of the work till final and satisfactory completion thereof and until a certificate of final completion in Form G.C.2 has been given by the Engineer. **All interim payments are advances till issue of Certificate in Form G.C.2**
- On account payments, if any, made prior to issue of the certificate in Form G.C.2, shall all be treated as mere advance, which shall stand recoverable in full or in part, **if the Engineer so decides in the context of Contractor's unfulfilled contract condition**, if any.
- 6.2** All payments shall be made to the Contractor only on the basis of measurements of actual work done, as recorded **in the Trustees' measurement books and at accepted** tendered or at agreed rates, as the case may be, except as otherwise provided in the contract and when the Engineer decides any other rate for change in the scope of work or omission, if any, on the part of the Contractor. **Payment on the basis of measurements at agreed rates.**
- 6.3** For work of sanctioned tender value more than Rs.50,000/- or having an initially stipulated completion period of 4 months or more, on account payments may be made at the discretion of the Engineer or his Representative at intervals deemed suitable and justified by him. Provided always that subject to execution of work of substantial value in the context of the contract price, the interval of such on account payments shall be decided by the Engineer or his Representative, which shall ordinarily not be less than 1 month in between two payments for on account bill and/or advance. **Limitation for on account payment**

- 6.4 Measurement for works done shall be progressively taken **by the Engineer's Representative and entered in the Trustees' Measurement Book, at intervals deemed** suitable and proper by him and/or the Engineer. The Contractor or his duly accredited Representative or Agent shall remain present at the time of such measurement and **assist the engineer's Representative in every manner** required by him. After the measurements taken have been entered in the Measurement Book, the Contractor or his Agent shall sign the Measurement Book at the end **of such Measurements over the Contractor's Rubber Stamp** as a token of acceptance of all such measurements, recorded above and prior to such signature. If the Contractor or his Agent fails to participate even after **3 days written notice from the Engineer's Representative**, the measurement shall be taken ex-parte **by the Engineer's Representative and those shall be accepted** by the Contractor.
- Recording of measurements
- 6.5 Based on the quantum of work and the value thereof computed in the Measurement Book, the Contractor shall type out his bill in the proforma approved by the **Engineer and submit the same to the Engineer's** Representative in quadruplicate, duly signed by him or his accredited Agent over his Rubber Stamp. The Engineer or his Representative may, in his absolute discretion, allow advance payment against such bill to the extent of an **amount not exceeding 75% of the "net payable" sum of** the said bill, subject to adjustment thereof against the bill at the time of checking and auditing the bill at the **Trustees' end. The measurement Book will not be handed** over to the Contractor; but he will obtain the abstracts of quantities, amounts and recoveries to type out the bill.
- Contractor to prepare and submit his bills
- 6.6 At the discretion of the Engineer or his Representative and only in respect of accepted offers/where estimated amount put to tender would be Rs.2,00,000/- or more, advance payment may be made to the extent of 75% of the value of any material purchased and brought to the site by the Contractor, Provided always that –
- Advance payment against Non-perishable materials
- (i) the materials shall, in the opinion of the Engineer or his Representative, be of imperishable nature,
  - (ii) the value of such materials shall be assessed by the engineer or his Representative at their own discretions,

- (iii) a formal agreement has been drawn up with the contractor, under which the Trustees secure a lien on **the contractor's materials,**
- (iv) the materials are safe-guarded by the contractor against losses, shortage and misuse due to the contractor postponing the execution of the work or otherwise,
- (v) in the event of storage of such materials within the **Trustees' protected areas in the Docks,** the contractor shall submit an Indemnity Bond in the proforma and **manner acceptable to Trustees' whereby the** contractor shall indemnify the Trustees against all financial loss/damage, on account of loss/damage to such materials for whatever reasons,
- (vi) in the event of storage of such materials outside the Trustees' **protected areas the Contractor shall submit** to the Engineer an irrevocable Bank Guarantee favouring the Trustees and for the same sum as is being advance, in the proforma and manner acceptable to the Trustees. The Guarantee shall be of a Calcutta/Haldia Branch of any Nationalised Bank or a Schedule Commercial Bank, as the case may be, acceptable to the Trustees and shall remain valid till the anticipated period of consumption of such materials in the work. The Bank Guarantee must bear an undertaking by the issuing Bank guaranteeing automatic payment of the guaranteed sum to the Trustees by the Bank on the date of expiry of the validity of the Guarantee, unless with the prior written approval of the Engineer on behalf of the Trustees, the Bank has extended the validity of the Guarantee.
- (vii) The amount of advance shall be recoverable from the contractor's bills or any other dues, progressively with the consumption of the materials on the basis of quantity consumed. Consequent on full recovery of the advance the Indemnity Bond/Bank Guarantee, vide Sub-clause (v) & (vi) above, shall be returned to the Contractor duly discharged by the Engineer on behalf of the Trustees.

- |     |   |   |
|-----|---|---|
| 6.7 | No certificate of the Engineer or his representative shall protect the Contractor against or prevent the Trustees from obtaining repayment from the Contractor, in case the Engineer or his representative should overcertify for payment or the Trustees should over-pay the Contractor on any account.  | Recovery for wrong and over payment               |
| 6.8 | No claim for interest shall be admissible or payable to the Contractor at any stage and in respect of any money or balance or Bank Guarantee, which may be due to the Contractor from the Trustees, owing to dispute or otherwise or for any delay on the part of the Trustees in making interim or final payment or otherwise.   | Interest not admissible to Contractor             |
| 7.0 | VARIATION AND ITS VALUATION :   |   |
| 7.1 | The Quantities set out in the Bill of Quantities of the tender shall be treated as estimated quantities of the work and shall never be deemed as actual or correct quantities of the works to be executed by the contractor in fulfilment of his obligation under the contract.   | Quantities in Bill of Quantities of Tender        |
| 7.2 | <p>The Engineer shall have the power to order the Contractor in writing to make any variation of the quantity, quality or form of the works or any part thereof that may, in his opinion, be necessary and the Contractor upon receipt of such an order shall act as follows :</p> <ul style="list-style-type: none"> <li>(a) Increase or decrease the quantity of any work included in the contract.</li> <li>(b) Omit any work included in the contract.</li> <li>(c) Change the Character or quality or kind of any work included in the contract.</li> <li>(d) Change the levels, lines, position and dimensions of any part of the work, and</li> <li>(e) Execute extra and additional work of any kind necessary for completion of the works</li> </ul> | Engineer's power to vary the works                |
| 7.3 | No such variation shall in any way vitiate or invalidate the contract or be treated as revocation of the contract, but the value (if any) of all such variations evaluated in <b>accordance with the Engineer's sole decision shall be</b> taken into account and the contract price shall be varied accordingly.   | Variation by engineer do not vitiate the contract |

- 7.4      **Provided always that written order of the Engineer shall not be required for increase or decrease in the quantity of any work upto 15% where such increase or decrease is not the result of any variation order given under this clause but is the result of the quantities exceeding or being less than those stated in the bill of quantities. Provided also that verbal order of variation from the Engineer shall be**  
**complied with by the Contractor and the Engineer's**  
**subsequent written confirmation of such verbal order shall be deemed to be an order in writing within the meaning of this clause.**
- Where written order for variation is not needed
- 7.5      (a) The Contractor shall not be entitled to any claim of extra or additional work unless they have been carried out under the written orders of the Engineer.
- (b) The Engineer shall solely determine the amount (if any) to be added to or deducted from the sum named in the tender in respect of any extra work done or work omitted by his order.
- (c) All extra, additional or substituted work done or work omitted by order of the Engineer shall be valued on the basis of the rates and prices set out in the contract, if in the opinion of the Engineer, the same shall be applicable. If the contract does not contain any rates or prices directly applicable to the extra, additional or substituted work, then the Engineer may decide the suitable rates on the basis of Schedule of Rates (including surcharge in force at the time of acceptance of tender), if any, adopted by the Trustees with due regard to the accepted contractual percentage, if any thereon. In all other cases the Engineer shall solely determine suitable rates in the manner deemed by him as fair and reasonable, and his decision shall be final, binding and conclusive.
- (d) If the nature or amount of any omission or addition relative to the nature or amount of the whole of the contract work or to any part thereof shall be such that, in the opinion of the Engineer, the rate of prices contained in the contract for any item of the works or the rate as evaluated under sub-clauses (b) and (c) of this clause, is by reason of such omission or addition rendered unreasonable or in-applicable, the Engineer shall fix such other rate or price as he deems proper and the Engineer's decision shall be final, binding and conclusive.
- Payment for extra or additional or omitted work or substituted work  
**Engineer's**  
**powers**

- 8.0 **DELAY / EXTENSION OF COMPLETION TIME / LIQUIDATED DAMAGE / TERMINATION OF CONTRACT**
- 8.1 **Should the quantum of extra or additional work of any kind or delayed availability of the Trustees' materials to be** supplied as per contract or exceptionally adverse climatic conditions and natural phenomenon or strikes, lock-outs, civil commotion or other special circumstances of any kind beyond the control of the Contractor, cause delay in completing the work, the contractor shall apply to the Engineer in writing for suitable extension of completion time within 7 days from the date of occurrence of the reason and the Engineer shall thereupon consider the stated reasons in the manner deemed necessary and shall either reject the application or determine and allow in writing the extension period as he would deem proper for completion of the work, with or **without the imposition of "Liquidated Damage" Clause** (No.8.3 hereof) on the Contractor and his decision shall be binding on the Contractor. If an extension of completion time is granted by the Engineer, the Clause No.8.3 of the Liquidated damage shall apply from its date of expiry, if the work be not completed within the extended time, unless stated otherwise in the decision communicated by the Engineer, as aforesaid. **Extension of completion time**
- 8.2 **(a) If the Contractor fails to complete the work within the stipulated dates or such extension thereof as communicated by the Engineer in writing, the Contractor shall pay as compensation (Liquidated Damage) to the Trustees and not as a penalty, ½% (half percent) of the total value of work (contract price) as mentioned in the letter of acceptance of the tender/offer, for every week or part thereof the work remains unfinished. Provided always that the amount of such compensation shall not exceed 10% of the said value of work.** **'Liquidated Damage' and other compensation due to Trustees**

(b) Without prejudice to any of their legal rights, the Trustees shall have the power to recover the said amount of compensation/damage in Sub-clause (a) of this clause, from any money due or likely to become due to the Contractor. The payment or deduction of such compensation/damage shall not relieve the Contractor from his obligation to complete the work or from any of his other obligations/liabilities **under the contract and in case of the Contractor's failure and at the absolute discretion of the Engineer, the work may be ordered to be completed by some other agency at the risk and expense of the Contractor, after a minimum three days notice in writing has been given to the Contractor by the Engineer or his Representative.**

- 8.3 Without being liable for any compensation to the Contractor, the Trustees may, in their absolute discretion, terminate the contract and enter upon the site and works and expel the Contractor there from after giving him a **minimum 3 days' notice in writing, due to occurrence of** any of the following reasons and decision of the Trustees in this respect, as communicated by the Engineer shall be final and conclusive :
- Default of the Contractors remedies & powers/Termination of Contract.
- (i) The Contractor has abandoned the contract.
  - (ii) In the opinion of the Engineer, either the progress of work is not satisfactory or the work is not likely to be completed within the agreed period on account of **Contractor's lapses.**
  - (iii) The Contractor has failed to commence the works or has without any lawful excuse under these conditions, has kept the work suspended for atleast **15 days despite receiving the Engineer's or his Representative's written notice to proceed with the work.**
  - (iv) The Contractor has failed to remove materials from site or to dismantle or demolish and replace work for **7 days after receiving from the Engineer or his representative the written notice stating that the said materials or work were condemned and rejected by him under these conditions.**



- (v) The Contractor is not executing the works in accordance with the contract or is persistently or flagrantly neglecting to carry out his obligations under the contract.
- (vi) Any bribe, commission, gift or advantage is given, promised or offered by or on behalf of the contractor to any officer, servant or representative of the Trustees or to any person on his or their behalf in relation to the obtaining or to the execution of the contract.
- (vii) The Contractor is adjudged insolvent or enters into composition with his creditors or being a company goes into liquidation either compulsory or voluntary.

8.3.1 Upon receipt of the letter of termination of work, which may be issued by the Engineer on behalf of the Trustees, **the Contractor shall hand over all the Trustees' tools, plant and materials** issued to him at the place to be ascertained from the Engineer, within 7 days of receipt of such letter.

8.3.2 In all such cases of Termination of work, the Trustees shall have the power to complete the work through any other **agency at the Contractor's risk and expense and the** Contractor shall be debited any sum or sums that may be expended in completing the work beyond the amount that would have been due to the Contractor, had he duly completed the whole of the work in accordance with the contract.

8.3.3 Upon termination of contract, the Contractor shall be entitled to receipt payment of only 90% of the value of work actually done or materials actually supplied by him and subject to recoveries as per contract, provided the work done and materials conform to specifications at the time of taking over by the Trustees. The payment for work shall be based on measurements of actual work done and priced at approved contract rates or other rates, as decided by the Engineer. The payment for materials supplied shall be at the rates as decided by the Engineer, which shall in no case be more than market rates prevailing at the time of taking over by the Trustees. The **Engineer's decision in all such case shall be final, binding and conclusive.**

8.3.4 The Trustees shall have the power to retain all moneys due to the Contractor until the work is completed by other **agency and the Contractor's** liabilities to the Trustees are known in all respect.

9.0 **MAINTENANCE AND REFUND OF SECURITY DEPOSIT**

- 9.1 On completion of execution of the work the Contractor shall maintain the same for a period, as may be specified in the form of a Special Condition of the Contract, from the date mentioned in the Initial Completion Certificate in Form G.C.1. Any defect/fault, which may appear in the work during aforesaid maintenance period, arising, in the sole opinion of the Engineer or his representative, from materials or workmanship not in accordance with the contract or the instruction of the Engineer or his representative, shall, upon the written notice of the Engineer or his representative, be amended and made good by the Contractor at his own cost within seven days of the date of such notice, to the satisfaction of the Engineer or his representative, failing which the Engineer or his representative shall have the defects amended and **made good through other agency at the Contractor's risk and cost and all expenses, consequent thereon or incidental thereto, shall be recoverable from the Contractor in any manner deemed suitable by the Engineer.** **Contractor's obligation for maintenance of work.**
- 9.2 The Contract shall not be considered completed and the work shall not be treated as finally accepted by the Trustees, until a Final Completion Certificate in Form G.C.2 annexed hereto shall have been signed and issued by the Engineer to the contractor after all obligations under the Contract including that in the maintenance period, if any, have been fulfilled by the Contractor. Previous entry on the works or taking possession, working or using thereof by the Trustees shall not relieve the Contractor of his obligations under the contract for full and final completion of the work. **Certificate of final completion**
- 9.3 On completion of the contract in the manner aforesaid, the Contractor may apply for the refund of his Security Deposit by submitting to the Engineer (i) The Treasury Receipts granted for the amount of Security held by the Trustees, and (ii) his **"No further claim" Certificate in Form G.C.3 annexed hereto (in original), where upon the Engineer shall issue Certificate in Form G.C.2 and within two months of the Engineer's recommendation, the Trustees shall refund the balance due against the Security Deposit to the Contractor, after making deduction therefrom in respect of any sum due to the Trustees from the Contractor.** **Refund of Security Deposit**
- 10.0 **INTERPRETATION OF CONTRACT DOCUMENTS, DISPUTES AND ARBITRATION**

- 10.1** In all disputes, matters, claims, demands or questions arising out of or connected with the interpretation of the Contract including the meaning of Specifications, drawings, designs and instructions or as to the quality of workmanship or as to the materials used in the work or the execution of the work whether during the progress of the works or after the completion and whether before or after the determination, abandonment or breach of the contract the decision of the Engineer shall be final and binding on all parties to the contract and shall forthwith be given effect to by the Contractor. **Engineer's decision**
- 10.2** If, the Contractor be dissatisfied with any such decision of the Engineer, he shall within 15 days after receiving notice of such decision require that the matter shall be referred to Chairman, who shall thereupon consider and give a decision. **Chairman's award.**
- 10.3** If, however, the Contractor be still dissatisfied with the decision of the Chairman, he shall, within 15 days after receiving notice of such decision require that within 60 days from his written notice, the Chairman shall refer the matter to an Arbitrator of the panel of Arbitrators to be maintained by the Trustees for the purpose and any such reference shall be deemed to be a submission to arbitration within the meaning of Indian Arbitration Act, 1940 or any statutory modification thereof. **Arbitration.**
- 10.3.1.** If the Arbitrator so appointed is unable or unwilling to act or resigns his appointment or vacates his office due to any reason whatsoever, another person from panel shall be appointed as Sole Arbitrator and he shall proceed from the stage at which it was left by his predecessor.
- 10.3.2** The Arbitrator shall be deemed to have entered on reference on the date he issues notice to both the parties fixing the date of first hearing.
- 10.3.3** The time limit within which the Arbitrator shall submit his award shall normally be 4 months as provided in Indian Arbitration Act, 1940 or any amendment thereof. The Arbitrator may, if found necessary, enlarge the time for making and publishing the award, with the consent of the parties.

- 10.3.4 The venue of the arbitration shall be either Calcutta or Haldia as may be fixed by the Arbitrator in his sole discretion. Upon every or any such reference the cost of any incidental to the reference and award respectively shall be in the discretion of the Arbitrator who may determine, the amount thereof or by whom and to whom and in what manner the same shall be borne and paid.
- 10.3.5 The Award of the Arbitrator shall be final and binding on all parties subject to the provisions of the Indian Arbitration Act 1940 or any amendment thereof. The Arbitrator shall give a separate award in respect of each item of disputes and respective claim referred to him by each party and give reason for the award.
- 10.3.6 The Arbitrator shall consider the claims of all the parties to the contract – within only the parameters of scope and conditions of the contract in question.
- 10.3.7 Save as otherwise provided in the contract the provisions of the Arbitration Act, 1940 and rules made thereunder, for the time being in force, shall apply to the arbitration proceedings under this Clause.
- 10.4 The Contractor shall not suspend or delay the work and proceed with the work with due diligence in accordance **with Engineer's decision. The Engineer also shall not** withhold any payment, which, according to him, is due or payable to the Contractor, on the ground that certain disputes have cropped up and are likely to be referred to arbitration.
- 10.5 Provided always as follows:
- [a] Nothing of the provisions in paragraphs 10.3 to 10.3.7 hereinabove would apply in the cases of contracts, where tendered amount appearing in the letter of acceptance of the tender / offer is less than Rs.40,00,000/-.
  - [b] The Contractor shall have to raise disputes or differences of any kind whatsoever in relation to the execution of the work to the Engineer within 30 days from the date of occurrence of the cause of dispute and before the preparation of the final bill, giving detailed justifications, in the context of contract conditions.

- [c] **Contractor's dispute, if any, arising only during the maintenance period, if any, stipulated in the contract, must be submitted to the Engineer, with detailed justifications in the context of contract Conditions, before the issuance of final completion certificate in Form G.C, 2.**

**No dispute or difference on any matters whatsoever, pertaining to the Contract can be raised by the contractor after submission of certificate in Form G.C. 3 by him.**

- [d] **Contractor's claim /dispute raised beyond the time limits prescribed in sub-clauses 10.5[b] and 10.5 [c] hereinabove, shall not be entertained by the Engineer and / or by any Arbitrator subsequently.**

- [e] **The Chairman / Trustees shall have the right to alter the panel of Arbitrators, vide Clause 10.3 hereinabove, on their sole discretion, by adding the names of new Arbitrators and / or by deleting the names of existing Arbitrators, without making any reference to the Contractor.**

**THE BOARD OF TRUSTEES FOR THE PORT OF CALCUTTA**

**-::FORM OF TENDER::-**

**CONTRACT NO.:** .....

To

.....  
.....  
.....  
.....

I/We ..... of  
.....having examined  
the site of works, inspected the Drawings and read the Specifications, General & Special Conditions of Contract and  
Conditions of Tender, hereby tender and undertake to execute and complete all the works required to be performed in  
accordance with the Specifications. Bill of Quantities, General & Special Conditions of Contract and Drawings prepared  
by or on behalf of the Trustees and at the rates and prices set out in the annexed  
.....Bill of Quantities within month/week from the date of order to  
commence the work and in  
the event of our tender being accepted in full or in part, I/we also undertake to enter into a Contract Agreement in the Form  
hereto annexed with such alterations or additions thereto which may be necessary to give effect to the acceptance of the  
Tender and incorporating such specification, Bill of Quantities, Drawings and Special & General Condition of Contract  
and I/we hereby agree that until such Contract Agreement is executed the said Specifications, Bill of Quantities,  
Conditions of Contract and the Tender, together with the acceptance thereof in writing by or on behalf of the Trustees  
shall be the Contract.

THE TOTAL AMOUNT OF TENDER Rs..... (Repeat in  
words) .....

\* I/We require ..... days/months preliminary time to arrange and procure the  
materials required by the work from the date of acceptance of tender before ..... I/we could  
commence the work.

(\* This should be scored out in the case of Labour Contracts)

I/We have deposited with the Trustees' Financial Adviser & Chief Accounts Officer/  
Manager(Finance), Haldia Dock Complex vide Receipt No. ....  
of ..... as Earnest Money.

I/We agree that the period for which the tender shall remain open for acceptance shall not be less than four months.

**Signature of Tenderer  
(Seal of the Tenderer)**

Witness:

---

**Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS)  
including comprehensive operation and maintenance for five years**

Signature: \_\_\_\_\_

Name: \_\_\_\_\_ Name of the

(In Block Letters)

Tenderer: \_\_\_\_\_

Address: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_

Address \_\_\_\_\_

Occupation: \_\_\_\_\_

\_\_\_\_\_

## **THE BOARD OF TRUSTEES FOR THE PORT OF CALCUTTA FORM OF AGREEMENT**

THIS AGREEMENT made this ..... day of..... 19 ..... between the Board of Trustees for the Port of Calcutta, a body corporate constituted by the Major Port Trust Act, 1963 (hereinafter called “Trustees” which expression shall unless excluded by or repugnant to the context be deemed to include their successors in office) of the one part and

..... (hereinafter called “the Contractor, which expression shall unless excluded by or repugnant to the context be deemed to include its heirs, executors, administrators, representatives and assignees or successors in office) of the other part WHEREAS the Trustees are desirous that certain Works should be executed/constructed, viz

..... and have accepted a Tender / offer by the Contractor for the construction, completion and maintenance of such works NOW THIS AGREEMENT WITNESSETH as follows:

1. In this agreement words expressions shall have the same meanings as are respectively assigned to them in General Conditions Of Contract, hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement , viz :-
  - a. The said Tender/Offer & the acceptance of Tender/ Offer.
  - b. The Drawings.
  - c. The General Conditions Of Contract.
  - d. Special Conditions Of Contract (If any).
  - e. The Conditions Of Tender.
  - f. The Specifications.
  - g. The Bill Of Quantities.
  - h. All Trustees’ Schedule of rates & prices (if any).
  - i. All correspondences by which the contract is added, amended, varied or modified in any way by mutual consent.

---

**Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years**

3. In consideration of the payments to be made by the Trustees to the Contractor as hereinafter mentioned, the contractor hereby covenant with the Trustees to execute ,complete and maintain the work in conformity in all respects with the provisions of Contract.
4. The Trustees hereby covenants to pay to the contractor in consideration of such execution construction, completion and maintenance of the works the Contract Prices at the times and in the manner prescribed by the contractor.

IN WITNESS whereof the parties hereto have caused their respective Common Seals to be hereunto affixed (or have set their respective hands and seals) the day and year firstabove written.

The Seal of \_\_\_\_\_

Was hereunto affixed in the presence of :

Name :- \_\_\_\_\_

Address :- \_\_\_\_\_

OR

SIGNED SEALED AND DELIVERED

By the said \_\_\_\_\_

In the presence of :

Name :- \_\_\_\_\_

Address :- \_\_\_\_\_

The Common Seal of the Trustees was hereunto affixed in the presence of: Name :- \_\_\_\_\_

Address :- \_\_\_\_\_



CALCUTTA PORT

TRUST FORM G.C.1

Contractor \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_

Date of completion :

Dear sir(s),

This is to certify that the following work viz :-

Name of work : .....

.....

.....

Estimate No. E.E.0.....Dt.....

C.E.O.....Dt.....

Work Order No..... Dt .....

Allocation.....

Contract No. ....

which was carried out by you is in the opinion of the undersigned complete in every respect on the\_\_day of \_\_\_\_\_20.... in accordance with terms of the Contract and you are required to maintain the work in accordance with Clause 9.0 of the General Conditions of Contract and under provisions of the Contract for a period of

\_\_\_\_\_ days / weeks / months / years

from the \_\_\_\_\_ day of \_\_\_\_\_ 20....

to the \_\_\_\_\_ day of \_\_\_\_\_ 20....

Signature.....

(ENGINEER/ENGINEER'S REPRESENTATIVE)

Name.....

Designation.....

OFFICE SEAL

C.C. to: The Deputy Chief Engineer ( )

---

**Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years**

The Deputy Manager ( )  
Financial Adviser & Chief Accounts Officer/  
Manager (Finance), Haldia Dock Complex.  
CALCUTTA PORT

TRUST FORM G.C.2.

Certificate of Final Completion.

The Financial Adviser & Chief Accounts Officer The  
Manager (Finance), Haldia Dock Complex.

This is to certify that the following work viz:-

Name of work : .....

Estimate No. E.E.O No. ....dt.....  
C.E.O No. ....dt.....

Work Order No.....dt .....

Contract No. ....

Resolution & Meeting No. ....

Allocation : .....

which was carried out by Shri/Messrs... is now complete in  
every respect in accordance with the terms of the Contract and that all obligations under the Contract have  
been fulfilled by the Contractor.

Signature.....  
(ENGINEER/ENGINEER'S REPRESENTATIVE)  
NAME.....  
DESIGNATION.....  
OFFICE SEAL

---

Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS)  
including comprehensive operation and maintenance for five years

CALCUTTA PORT

TRUST FORM G.C.3

(‘NO CLAIM’ CERTIFICATE FROM CONTRACTOR)

The Engineer  
Calcutta Port Trust  
Calcutta/Haldia.

(Atten: .....)

(Address, the Trustees’ Official, mentioned in the Work Order  
and under whom the Contract was executed)

Dear Sir,

I / We do hereby declare that I / we have received full and final payment from the Calcutta Port Trust for the  
execution of the following work viz:-

Name of work : \_\_\_\_\_  
\_\_\_\_\_

Work Order No :- \_\_\_\_\_ dt. \_\_\_\_\_

Contract No. \_\_\_\_\_

Agreement No.....Dt.....

and I / we have no further claim against the Calcutta Port Trust in respect of the above- mentioned job.

Yours faithfully,

(Signature of the Contractor)

Dated \_\_\_\_\_

Name of Contractor.....

Address:.....

(OFFICIAL SEAL OF THE CONTRACTOR)

---

**Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS)  
including comprehensive operation and maintenance for five years**

**Draft Proforma of Bank Guarantee ( Performance Bond ) in lieu of cash Security Deposit, to be issued by the Calcutta / Haldia Branch, as the case may be, of any nationalised Bank of India on Non-Judicial Stamp Paper worth Rs. 50/- or as decided by the Engineer / Legal Adviser of the Trustees.**

To  
The Board of Trustees for  
the Port of Calcutta,

BANK GUARANTEE NO ..... DATE .....

Name of Issuing Bank .....

Name of Branch .....

Address .....

In consideration of the Board of Trustees of the Port of Calcutta, a body corporate-duly constituted under the Major Port Trusts Act, 1963 (Act 38 of 1963), having agreed to exempt Shri / Messrs , a Proprietary / Partnership /Limited

/ Registered Company, having its Registered Office at ..... (hereinafter referred to as “The Contractor”) from cash payment of Security Deposit / payment of Security Deposit through deduction from the Contractors’ bills under the terms and conditions of a contract made between the Trustees and the Contractor for

..... (write the name of the work as per Work Order) in terms of the Work Order No.

..... dated .....(hereinafter referred to as “the said contract”), for the due fulfilment by the contractor of all the terms and conditions contained in the said contract, on submission of a Bank Guarantee for Rs.

..... (Rupees .....), we, ..... Branch, Calcutta ..... / Haldia, do, on the advise of the contractor, hereby undertake to indemnify and keep indemnified the Trustees to the extent of the said sum of Rs. .... (Rupees .....

.....) We, ..... Branch, Calcutta ..... / Haldia, further agree that if a written demand is made by the Trustees through any of its officials for honouring the Bank Guarantee constituted by these

presents, We, ..... Branch, Calcutta ..... / Haldia, shall have no right to decline to cash the same for any reason whatsoever and shall cash the same and pay the sum so demanded to the Trustees within a week from the date of such demand by an A/c Payee Banker’s Cheque drawn in favour of “Calcutta Port Trust”, without any demur. Even it there be any dispute between the contractor and the Trustees, this would be no ground for us, .....

Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS)

..... (Name of the Bank), ..... Branch, Calcutta  
..... / Haldia, to decline to honour the Bank Guarantee in the manner aforesaid. The very fact that We, .....  
..... Branch, Calcutta ..... / Haldia, decline or fail or neglect to honour the Bank Guarantee in the manner aforesaid shall constitute sufficient reason for the Trustees to enforce the Bank Guarantee unconditionally without any reference, whatsoever, to the contractor.

2. We, ..... Branch, Calcutta ..... / Haldia, further agree that a mere demand by the Trustees at anytime and in the manner aforesaid, is sufficient for us,  
..... Branch, Calcutta ..... / Haldia, to pay the amount covered by this Bank Guarantee in full and in the manner aforesaid and within the time aforesaid without reference to the contractor and no protest by the contractor, made either directly or indirectly or through Court, can be valid ground for us,  
.....  
Branch, Calcutta ..... / Haldia, to decline or fail or neglect to make payment to the Trustees in the manner and within the time aforesaid.

3. We, ..... Branch, Calcutta ..... / Haldia, further agree that the Bank Guarantee herein contained shall remain in full force and effect, during the period that is taken for the due performance of the said contract by the contractor and that it shall continue to be enforceable till all the dues of the Trustees under and / or by virtue of the terms and conditions of the said contract have been fully paid and its claim satisfied and/or discharged in full and/or till the Trustees certify that the terms and conditions of the said contract have been fully and properly observed/ fulfilled by the contractor and accordingly, the Trustees have discharged the Bank Guarantee, subject however, that this guarantee shall remain valid upto and inclusive of ..... day of ..... 20 ..... and subject all so that the provision that the Trustees shall have no right to demand payment against this guarantee after the expiry of 6 (six) calendar months from the expiry of the aforesaid validity period upto ..... or any extension thereof made by us ..... Branch, Calcutta ..... / Haldia, in further extending the said validity period of this Bank Guarantee on Non-Judicial Stamp Paper of appropriate value, as required/determined by the Trustees, only on a written request by the Trustees to the contractor for such extension of validity of this Bank Guarantee.

4. We, ..... Branch, Calcutta ..... / Haldia, further agree that, without our consent and without affecting in any manner our obligations hereunder, the Trustees shall have the fullest liberty to vary from time to time any of the terms and conditions of the said contract to extend the time for full performance of the said contract including fulfilling all obligations under the said contract or to extend the time for full performance of the said contract including fulfilling all obligations under the said contract by the contractor or to postpone for any time or from time to time any of the powers exercisable by the Trustees against the contractor and to forebear or enforce any of terms and conditions relating to

the said contract and We,.....Branch,  
Calcutta ..... / Haldia, shall not be relieved from ourliability  
by reason of any such variation or extension being granted to the contractor or for any fore- bearance, act or  
commission on the part of the Trustees or any indulgence by the Trustees to the contractor or by any such matter  
or thing of whatsoever nature, which under the law relating to sureties would, but for this provision, have  
effect of so relieving us,  
..... Branch, Calcutta  
..... / Haldia.

5. We, .....Branch, Calcutta  
..... / Haldia, lastly undertake not to revoke this Bank Guarantee during  
its currency except with the previous consent of the Trustees in writing.

SIGNATURE .....  
NAME .....  
DESIGNATION .....  
(Duly constituted attorney for and on behalf of)  
BANK .....  
BRANCH .....  
CALCUTTA ..... / HALDIA  
(OFFICIAL SEAL OF THE BANK)

## **SECTION – VIII**

### **SPECIAL CONDITIONS OF CONTRACT (SCC)**

The following **Special Conditions of Contract (SCC)** shall supplement the **General Conditions of Contract (GCC)**. Whenever there is a conflict, the provisions herein shall prevail over those in the **GCC**.

#### **1.0 PREFACE:**

These provisions though given in a separate section are part of the tender documents which must be read as a whole, the various sections being complementary to one another and are to be taken as mutually explanatory. These provisions shall be read in conjunction with the other parts of the tender documents viz. General Conditions of Contract, Notice Inviting E-Tenderers, instructions to Bidder, Particular Specifications, Drawings, Bill of Quantities and other documents forming part of the Contract. In case of any discrepancy or ambiguity in the documents, the order of precedence of the documents as stated below will apply. In particular, these provisions will over ride those in the General Conditions provided there is discrepancy between them.

#### **1.1 CORRELATION AND ORDER OF PRECEDENCE OF TENDER DOCUMENTS:**

If the stipulations in the various tender documents be found to be at variance in any respect, one will override others (but only to the extent these are at variance) in the order of precedence as given in the list below, i.e. any particular item in the list will take precedence over all those placed lower down in the list.

- Order letter.
- Bill of Quantities.
- Drawings.
- Particular Specifications of work.
- Special Conditions of Contract.
- General Conditions of Contract.

In case of any dispute, question or difference either during the execution of the work or any other time as to any matter or thing connected with or arising out of this Contract, the decision of the General Manager(Engineering), Haldia Dock Complex, thereon shall be final and binding upon all parties.

#### **1.2 LOCATION:**

Haldia Dock System is located at the confluence of River Haldi and River Hooghly at Latitude 22°02' North and Longitude 88°06' East, at about 130 Kms upstream from Sand heads and 104 Kms downstream of Kolkata. The port is located on national Waterway No-1; at about 45 Kms upstream from pilot age Station. The berths of Haldia Dock Complex are located inside an Impounded Dock Basin. Berths 2,3,4, 4A, 4B and 5 are on the Eastern side of the Basin while Berths 8,9,10,11,12 and 13 are on its Western side. The Northern side of the basin houses Berths 6 and 7 through a Finger Jetty.

#### **1.3 ACCESS TO THE SITE:**

##### **a. By Road:**

All-weather hard top road approachable from N.H. 41 and State Highway exist right up to the area of work.

By Rail: S. E. Railway Branch Line connects Haldia with the Panskura Railway Station.

#### **1.4 INSPECTION OF SITE:**

The Bidder shall inspect the site of work and thoroughly familiarise himself with the nature of work, site conditions, and access to the site and location before submission of the tender. He should contact the General Manager (Engg), Haldia Dock Complex at his office at Chiranjibpur, Haldia for collecting information about the work and site before submission of the tender. No excuse will be entertained afterwards on the above ground. In case any part of the site cannot be handed over to the successful Bidder in time, No compensation for loss of labour or any other cause nor any claim will be entertained by the Trustees. Suitable extension of time shall, however, be granted to the successful Bidder on that ground if applied for.

### **1.5 PARTICULARS OF EXISTING WORKS:**

Such information as maybe given in the specification as to the existing features and works other than those now under construction as part of the present Haldia Dock Complex given without warranty of accuracy and neither the Trustees nor the Engineer will be liable for any discrepancies therein.

### **1.6 SAFETY MEASURES:**

The contractor shall adhere to safe construction practice, guard against hazardous and unsafe working conditions and follow all safety precautions for prevention of injury or accidents and safeguarding life and property. The contractor shall comply with relevant provisions of Dock Workers (Safety, Health and Welfare) Act – 1986 and Dock Workers (Safety, Health and Welfare) Regulation – 1990 and Safety Officer of the Trustees or Safety Inspectors shall be afforded all facilities for inspection of the works, tools, plant, machineries, equipment etc. wherever so required. The contractor shall further comply with any instruction issued by the Engineer, Trustees' Safety Officer, Safety Inspector in regards to safety which may relate to temporary, enabling or permanent works, working of tools, plants, machineries, equipment, means of access or any other aspect.

The contractor shall provide all necessary first aid measures, rescue and lifesaving equipment to be available in proper condition.

The contractor shall provide PPE's (Personal Protective Equipment) such as, helmet, safety shoe etc. to all workers and shall also provide job specific PPE's e.g. safety belts for working at heights; protective face and eye shield, goggles, hand gloves for welding / gas cutting works; protective foot wear and gloves for hot works; facemasks, gloves and overalls for painting works, mixing and handling materials etc, as directed by the Engineer.

All safety rules shall be strictly followed while working on live electrical systems or installations as stipulated in the relevant safety codes.

Use of hoisting machines and tackles including their attachments, construction tools, machineries and equipment shall comply to the relevant safety codes.



Before allowing workers in sewers, manholes, any duct or covered channel etc, the manhole covers shall have to be kept open and ventilated at least one hour in advance and necessary safety torches / lamps should be inserted first before allowing entry to the worker. Suitable hand gloves and other safety gear will be provided to the worker during handling / removing of slushes / sludge etc. without any extra cost. The contractor shall adopt all the above safety measures at his own cost.

The successful bidder shall also ensure that –

- (i) No damage is caused to plants and vegetations unless the same is required for execution of the project proper.
- (ii) The work shall not pollute any source of water / land / air surrounding the work site so as to affect adversely the quality or appearance thereof or cause injury or death to animal and plant life.
- (iii) His office & labour hutment etc. shall be maintained in a clean and hygienic condition through out the period of their use and different effluents of the labour hutment shall have to be disposed off suitably.

### **1.7 HOLIDAY OR SUNDAY WORK:**

Subject to provisions in local Acts and any statutes of the State, the Contractor shall arrange for working on Holidays and Sundays whenever so desired by the Engineer to expedite progress and complete the works in time.

The Contractor shall not be entitled to any additional payment for taking up works on Holidays and Sundays. The Contractor should be prepared to resort to round-the-clock working by following shift timings for labour.

### **1.8 KEEPING THE SITE AND WORKING AREA CLEAR:**

The Contractor shall at all times keep the site and working areas free from all surplus materials, rubbish and offensive matter all of which shall be disposed off in a manner to be approved by the Engineer's Representative. As the works will be carried out mainly inside of operational buildings of HDC, the Contractor has to make necessary arrangement to clear the rubbishes etc. from the buildings, at the end of day's work at his own cost & risk.

### **1.9 LABOUR, TOOLS & PLANTS:**

The Contractor shall supply all necessary labour, tools and plants required for satisfactory execution of the work.

### **1.10 ESCALATION / VARIATION ON PRICES:**

No Escalation / Variation on the prices on any account will be considered for adjustment / payment.

### **1.11 CONTRACT LABOUR LAWS**

The Contractor must comply with the provisions of Contract labour (Regulation & Abolition)

Act 1970 and Contract Labour (Regulation & Abolition) Central Rules 1971 and the rules framed there under with all modifications/amendments being enforced from time to time.

The Contractor shall indicate maximum number of workmen to be engaged on any day for execution of the work in the appropriate place in the ABSTRACT FORM OF TENDER & he shall have to obtain a regular /permanent license as per sec 12(1) of the Contract Labour Act.

The contractor shall inform the Principal Employer the date, time & venue of disbursement to be made by him to his workers. The successful bidder shall also be required to put up a notice at the site of work mentioning the date, time & venue of disbursement to be made by him to his workers and he or his authorized representative shall have to be present during period of disbursement.

#### **1.12 COMPLIANCE WITH E.P.F & M. P. ACT:**

The successful contractor will have to comply with provision of EPF & MP Act –1952 (along with amendments, if any), issued from time to time.

If asked for by the Employer, the contractor will be required to submit photocopy of all payment challans and produce the original for verification to the representative of the principal employer, i.e. General Manager (Engg).

#### **1.13 INDEMNIFICATION:**

The successful bidder shall be deemed to indemnify and keep indemnified the Trustees from and against all actions, claims, demands and liabilities whatsoever under and in respect of the breach of any of the provisions of any law, rules or regulations having the force of law, including but not limited to –

- a) The Minimum Wages Act, 1948.
- b) The Dock Workers (Regulation Of Employment) Act, 1948
- c) The Building And Other Construction Workers (Regulation of Employment & Conditions of Service) Act, 1996
- d) The Dock Workers' Safety, Health & Welfare Act , 1986
- e) The Payment of Wages Act, 1936.
- f) The Workmen's Compensation Act, 1923.
- g) The Employees Provident Fund Act, 1952.
- h) The Contract Labour (Regulation and Abolition) Act, 1970; Rules 1971.
- i) The Payment of Bonus Act, 1965.
- j) The Payment of Gratuity Act, 1972.
- k) The Equal Remuneration Act, 1976.
- l) The Employees State Insurance Act, 1948 & Employees State Insurance (Amendment) Act ,1989
- m) Child Labour (Prohibition and Regulation) Act, 1986.
- n) The Maternity Benefits Act 1961
- o) Interstate Migrant Workmen (Regulation of Employment & Conditions Of Service) Act, 1979.
- p) Motor Vehicle Act, latest revision.

#### **1.14 WORK PERMIT:**

**Work permits which may be necessary for any purpose related to the work shall be issued**  
As per request of the contractor..

#### **1.15 TAXES:**

The quoted rates should include all other Taxes excluding GST. GST as applicable shall be paid extra against proper invoice submitted by the successful contractor.

The contractor will be required to submit GST compliant invoice with all required details and also to be required to file timely and proper return so as to enable SMP Kolkata to get due input credit against GST paid of.

In case of any failure on the above account, GST amount even if paid by SMP Kolkata shall be recoverable from the contractor, along with applicable interest if any.

#### **1.16 Price basis:**

The quoted price shall be based on Free Door Delivery at Port Hospital i.e. the quoted price shall be inclusive of all charges for transportation, handling, supply, delivery, installation and commissioning at site, guarantee support (as per contractual conditions) and all other incidental charges for the execution of the contract including unloading at site will be done by HDC. The tenderer shall fill in 'Unit Rate' and 'Amount' for the item, as described in the '**Bill of Quantities**', as per the required break-up. The prices quoted shall be exclusive of **GST** as well as any statutory levies and/or other charges levied by any Central/State/local authorities, which shall be paid extra, at applicable rates, at the time of supply of goods. As such, details thereof, as applicable, are to be furnished clearly in the offer. The prices should be firm and no variation, except towards statutory duties, levies and taxes, shall be payable. Any new statutory levies, taxes, duties, cess, etc. imposed by the Central/State/local authorities, by way of fresh notifications, subsequent to the issue of Work Order/Purchase Order, but within the stipulated delivery period, shall be paid extra.

#### **1.17 General terms & conditions related to GST:**

Supplier to confirm that the GST amount charged in invoice is declared in its returns and payment of taxes is also made. The Supplier agrees to comply with all applicable GST laws, including GST acts, rules, regulations, procedures, circulars & instructions thereunder applicable in India from time to time and to ensure that such compliance is done within the time prescribed under such laws. Supplier should ensure accurate transaction details, as required by GST laws, are timely uploaded in GSTN. In case there is any mismatch between the details so uploaded in GSTN by Supplier and details available with Kolkata Port Trust, then payments to Supplier to the extent of GST relating to the invoice/s under mismatch may be retained from due payments till such time Kolkata Port Trust is not sure that accurate tax amount is finally reflected in the GSTN to KoPT's Account and is finally available to Kolkata Port Trust in terms of GST laws and that the credit of GST so taken by Kolkata Port Trust is not required to be reversed at a later date along with applicable interest. Kolkata Port Trust has the right to recover monetary loss including interest and penalty suffered by it due to any non-compliance of tax laws by the supplier. Any loss of input tax credit to Kolkata Port Trust for the fault of supplier shall be recovered by Kolkata Port Trust by way of adjustment in the consideration payable.

Supplementary invoices/debit note/credit note for price revisions to enable Kolkata Port Trust to claim tax benefit on the same shall be issued by you for a particular year before September of the succeeding Financial Year. The purchase order/work order shall be void, if at any point of time you are found to be a black listed dealer as per GSTN rating system and further no payment shall be entertained. Delivery period:

The supply, installation and commissioning of the system to be completed in all respect within 100 (hundred) days from the date of receipt of order.

### **1.18 Inspection:**

The Contractor shall have to afford all the requisite facilities for pre-despatch inspection by SMP officials at his/their premises, at his/their own cost and arrangement, for which clear 7 (seven) days time from the date of receipt of inspection offer should be provided by the Contractor. However, HDC may appoint Third Party Inspection(TPI) Agency for appraisal of documents/drawings and inspection of any material/work at site on their behalf. However, HDC may inspect physically as at any time.

### **1.19 Guarantee:**

The material(s), to be supplied, shall have to be guaranteed by the Contractor for a period of 12 (twelve) months from the date of commissioning against poor material and bad workmanship. Guarantee Certificate is to be furnished by the Contractor, in this regard. If any defect, whatsoever, develops during the guarantee period, the defective material(s) will have to be replaced/rectified by the Contractor at his/their own cost and arrangement. The Contractor shall be responsible for making good, with all possible speed, at his/their expense any defect in or damage to any portion of the supply, which may appear or occur after the material(s) have been accepted by HDC, KoPT and before expiry of the Guarantee Period {including extension(s), if any} and which arises either:

- a) from any defective material(s), workmanship or design or
- b) from any act or omission of the Contractor done or omitted during the said period.

### **1.20 Way bill:**

If required and admissible, way bill will be arranged by HDC However, you should provide clear 15 days time from the date of receipt of the request letter for way bill from your end.

### **1.21 Liquidated Damage clause:**

In the event of the failure to execute the contract by the contractor within the stipulated dates or such extension(s) thereof, as may be allowed by General Manager(Engg) in writing, the contractor will be required to pay as compensation to the Trustees and not as penalty @ ½ % for every week or part thereof of the total value of work (contract price), provided always the entire amount of compensation to be paid under the provision of this clause shall not exceed 10% of the said value of work. The Trustees may, without prejudice to any other method of recovery, deduct the amount of such damages from any money which is due or which may become due to the contractor. The payment or deduction of such damages shall not relieve the contractor from his obligation to complete the work or from any other of his obligation or liabilities under the contract. GST will be applicable on L.D amount.

### **1.22 Force Majeure:**

In the event of either party being rendered unable by Force Majeure to perform any obligations required to be performed by them under the contract, the relative obligation of the party affected by such Force Majeure shall, upon notification to the other party, be suspended for the period during which such Force Majeure event lasts. The cost and loss sustained by either party shall be borne by the respective parties. The term 'FORCE MAJEURE', as employed herein, shall mean acts of God, Earthquake, Tsunami (caused by earthquake at the ocean bed), War, Revolt, Riot, Fire, Floods, Sabotage and Hurricane/Cyclone, Strike {excluding that of the contractor's supplier(s) or the sub-contractor's employees}. Upon the occurrence of such case and upon its termination, the party alleging that it has been rendered unable, as aforesaid, shall notify the other party in writing immediately, but not later than 48 (forty-eight) hours of the alleged beginning and ending thereof, giving full particulars and satisfactory evidence in support of its claim.

### **1.23 Packing:**

The contractor shall be responsible for proper packing and delivery of the material(s). The material(s) should be packed in proper way by you, at your own cost, for protection against any damage, loss, breakage, etc.

**1.24 Validity:**

The validity of your offer should not be less than 120 (one hundred twenty) days from the date of opening of the offer.

**1.25** The contractor shall have to furnish his GST Registration Number in his offer.

**1.26 PROVISIONS FOR SITE STAFF OF ENGINEER:**

After the issue of Engineer's notice to commence, the contractor shall as soon as possible make available of the following facilities for the staff of the Engineer at the Site of Work, all in accordance with the approval of the Engineer or his Representative and the Contract Price shall be deemed to be inclusive of the provision for all these facilities.

- (a) Office Facilities :- The contractor may be allowed to use a room for using as office space at HDC premises if so require. However, charges shall be applicable as per rent schedule in vogue in HDC.

**Clause No. 2.0**

Performance Guarantee / Security Deposit for the materials, installations & workmanship, with respect to the instant work, as a whole:

i) Within 28 (twenty-eight) days of issuance of "Letter of Acceptance (LOA)", the Contractor shall have to provide an irrevocable and unconditional Bank Guarantee, from a Nationalized Bank/Scheduled Bank in India, in the amount, 3 % of the contract value excluding O&M value and GST. This Performance Bank Guarantee should be kept valid and enforceable till a date, covering at least 3 (three) months beyond the date of expiry of the Defect Liability Period of the Contract job [for the materials, installations & workmanship, with respect to the instant work, as a whole]. In case the actual duration of the aforesaid Defect Liability Period is required to be extended, the validity of this Bank Guarantee shall have to be extended till a date, covering at least 3 (three) months beyond the date of expiry of such extended duration of the Defect Liability Period. Failure of the Contractor to submit the aforesaid Performance Bank Guarantee and in the manner stated above, shall constitute sufficient grounds for termination of the contract.

ii) Performance Guarantee / Security Deposit for Maintenance contract:

At least 28 (twenty-eight) days before the scheduled expiry of the aforesaid Defect Liability Period of the Contract job [for the materials, installations & workmanship, with respect to the instant work, as a whole], or any extension thereof, the Contractor shall have to provide an irrevocable and unconditional Bank Guarantee, from a Nationalized Bank/Scheduled Bank in India, in the amount, 3 % of O&M contract value.

This Performance Bank Guarantee should be kept valid and enforceable till a date, covering at least 3 (three) months beyond the date of expiry of the O&M period.

Failure of the Contractor to submit the aforesaid Performance Bank Guarantee and in the manner stated above, shall constitute sufficient grounds for forfeiting the Performance Bank Guarantee.

**Clause No. 2.1**

The procedure of release / refund of Performance Guarantee / Security Deposit would be as follows:

i) On submission of Performance Guarantee/Security and on successful completion of the 'Defect liability period' (considering extension, if any) of the Contract job [for the materials, installations & workmanship, with respect to the instant work, as a whole] the Contractor may apply for release / refund of his Performance Guarantee/Security Deposit by submitting an application to the Engineer, in this regard, whereupon the

Engineer shall issue necessary recommendation for release of the said Performance Guarantee/Security or refund the balance due against the Performance Guarantee/Security Deposit to the Contractor, after making deduction there from in respect of any sum due to the Trustees from the Contractor.

On successful completion of the additional Defect Liability Period (considering extension, if any), to the satisfaction of the Engineer, the Contractor may apply for release / refund of his Performance Guarantee / Security by submitting to the Engineer “No Claim Certificate”, as per the form furnished in Section-VII, whereupon the Engineer shall issue “Certificate of Final Completion” [as per the form furnished in Section-VII] . The Engineer shall also issue necessary recommendation for release of the said Performance Guarantee/Security Deposit or refund the balance due against the Performance Guarantee/Security Deposit to the Contractor, after making deduction therefrom in respect of any sum due to the Trustees from the Contractor.

### **Clause No. 3.0**

The Contractor shall be allowed to use a suitable land (open space), which in the opinion of SMP, Kolkata may be absolutely necessary for the proper and efficient execution of works. Rent of such open space shall have to be paid by the Contractor as per “Schedule of Rent of SMP, Kolkata” prevailing at that time will be charged during pendency of the contract and extension thereof, if any.

### **Clause No. 3.1**

On completion of work or termination of the contract, the Contractor shall have to clear away all their tools, plants, rubbish and other materials, within a fortnight and hand over vacant and peaceful possession of the same to SMP, Kolkata, in a tidy and clean condition. The Rent of such open space will be as per SMP, Kolkata’s “Schedule of Rent” will be applicable for this additional period (if any) for clearing the space. If the Contractor fails to clear the space and handover the same to the Employer in a clean and tidy condition, within the period mentioned above, SMP, Kolkata’s “Schedule of Rent” will be applicable for the period beyond that.

### **Clause No. 3.2**

The Contractor shall be allowed to erect any temporary structures on this land for office and / or store and / or workshop, etc. and make all suitable arrangement for water supply, Electricity supply and sanitary arrangements for the same, at their own cost.

### **Clause No.3.3**

In case the Contractor is interested in taking covered space, office room, etc. of SMP Kolkata for the purpose of making a site office and store in the Dock area, the same may also be allotted subject to availability. The rents for such covered spaces or office room of SMP Kolkata, to be allotted to the Contractor, shall have to be paid by the Contractor, as per the ‘Schedule of Rent of SMP Kolkata, prevailing at that time. In addition to the rent, water consumption charges and Electricity consumption charges (if Electricity / water is supplied from SMP Kolkata sources) and other applicable charges, as per the notifications of Tariff Authority of Major Ports (TAMP), have to be paid by the Contractor. The Contractor will be responsible for installation, maintenance and calibration of Water Meter and / or Energy Meter also.

### **Clause No. 4.0**

Water supply at the Contractor’s site office, store, workshop, assembly/erection yard, actual work (including erection, commissioning & cleaning work) at the site, including the work required to be carried out at site during the “Defect Liability Period” and O&M period etc. will be given on free of cost basis. For this, the Contractor shall have to make all arrangements, including installation of Water Meter and laying of pipelines from the source(s) identified by SMP Kolkata, at their cost. The Contractor will be responsible for maintenance and calibration of such water meter also.

SMP Kolkata do not guarantee uninterrupted supply of water and the Contractor shall not be compensated

for any delay or irregularity in supplying water. The Contractor shall have to arrange for the supply of water at his own cost during such periods.

#### **Clause No. 4.1**

##### **Supply of Electricity:**

Supply of Electricity at the Contractor's site office, store, workshop, assembly / erection yard, actual work (including erection and commissioning) at the site, including the work required to be carried out at site during the "Defect Liability Period" and O&M period etc. will be on free of cost basis. The Contractor shall have to make all arrangements, including installation of Energy Meter and laying of Cables from the source(s) identified by SMP Kolkata, at their cost. The Contractor will be responsible for maintenance and calibration of such Energy Meter also. Billing against electricity charges will be done in line with SCC. SMP Kolkata do not guarantee uninterrupted supply of Electricity and the Contractor shall not be compensated for any delay or irregularity in supplying Electricity. The Contractor shall have to arrange for Electricity at his own cost during such periods.

#### **Clause No.5.0**

The Employer may appoint a Third Party Inspection Agency, at the cost of the Employer, for stage-wise technical inspection and certification of materials & workmanship, including painting, erection, commissioning, etc. [in connection with the contract job, as a whole]. The relevant Certificates shall be produced by the Third Party Inspection Agency to the Engineer or his authorised Representative.

The stage-wise technical inspection will be carried out by the Third Party Inspection Agency based on the approved Quality Assurance Plan (QAP) & Field Quality Assurance Plan (FQAP) [considering the Technical Specification of the bidding documents].

The Contractor shall have to submit a Quality Assurance Plan (QAP) and a Field Quality Assurance Plan (FQAP), based on the Technical Specification and other terms & conditions stipulated in the bidding documents. The QAP & FQAP shall be approved by the "Engineer", after the same are duly recommended by the Third Party Inspection Agency. The Technical Inspection & Certification will be carried out by the Third Party Inspection Agency, in accordance with approved QAP & FQAP.

In all cases where tests are required, within the purview of QAP & FQAP, whether at the premises of the Contractor or any Sub-contractor or elsewhere, the Contractor, except where otherwise specified, shall provide free of charges such labour, materials, electricity, fuel, water, stores, apparatus and instruments, as may reasonably be demanded, to carry out sufficiently such tests and shall, at all times, facilitate the Engineer or his Representative and the Third Party Inspection Agency, to accomplish such testing.

The cost of all tests and/or analyses, within the purview of QAP & FQAP, effected at the Contractor's or Sub-contractor's works and on the site, shall be borne by the Contractor. The Contractor will be called upon to pay all expenses incurred by the Employer in respect of any work found to be defective or of inferior quality, adulterated or otherwise unacceptable.

If, during inspection by the Third Party Inspection Agency [appointed by SMP, Kolkata], any material or test [within the purview of QAP & FQAP] fails to fulfil the contract conditions for more than 2 (two) times, any additional amount charged by the Third Party Inspection Agency towards inspection of the same from the 3rd time onwards shall have to be borne by the Contractor. If the Contractor fails to make such payment to the Third Party Inspection Agency, the same shall be deducted from the bill(s) of the Contractor and paid to the Third Party Inspection Agency.

#### **Clause No. 5.1 [Taking over of the Contract job]**

The Engineer or his authorised Representative, on giving 7 (seven) days' notice, in writing, to the Contractor, setting out any ground of objections, in respect of the work, shall be at liberty to reject all or any material and/or workmanship in the subject of any of the said grounds of objection, which are not in accordance with the contract

#### **Clause No. 5.2**

Quality of materials, to be provided by the Contractor under this contract, should be as per the satisfaction of the Engineer. Whenever asked, the Contractor shall have to provide free sample for testing.

**Clause No. 5.3**

If found necessary, SMP Kolkata reserves the rights to get the materials inspected from a Government or Government recognized Laboratory/Test House

**Clause No. 5.4**

In case of sub-letting to other Contractors or manufacturers or suppliers by the Contractor, the Engineer will reserve the right as follows:

- i. that inspection and / or testing will be carried at the Sub-contractor's works; or
- ii. that inspection will be carried out at site; or
- iii. that inspection will be waived, subject to the Contractor furnishing a certificate of compliance with specification by a competent authority recognised by national/international institutes.

**Clause No. 5.5**

The Contractor shall have to submit a Quality Assurance Plan (QAP) and a Field Quality Assurance Plan (FQAP), based on the Technical Specification and other terms & conditions stipulated in the bidding documents. The QAP & FQAP shall be approved by the "Engineer".

**Clause No. 5.6**

In all cases where tests are required, within the purview of QAP & FQAP,

whether at the premises of the Contractor or any Sub-contractor or elsewhere, the Contractor, except where otherwise specified, shall provide free of charges such labour, materials, electricity, fuel, water, stores, apparatus and instruments, as may reasonably be demanded, to carry out sufficiently such tests and shall, at all times, facilitate the Engineer or his Representative [ and / or the Third Party Inspection Agency] , to accomplish such testing.

**Clause No. 5.7**

The cost of all tests and / or analyses, within the purview of QAP & FQAP, effected at the Contractor's or Sub-contractor's works and on the site, shall be borne by the Contractor. The Contractor will be called upon to pay all expenses incurred by the Employer in respect of any work found to be defective or of inferior quality, adulterated or otherwise unacceptable

**Clause No. 5.8**

Notwithstanding the fact that the materials or installations have passed the inspection, the Contractor is not relieved from his obligations to conform to the quality, workmanship, guaranteeing the performance, etc., as per the contract.

**Clause No. 6.0**

All the jobs (including submission of As Built Drawings), as per contract, are to be completed within 75 (seventy five) days from the date of issue of Letter of Acceptance (LOA) [i.e. award of contract].

**Clause No. 6.1**

The Contract job will be taken over by HDC, SMP Kolkata after completion of the works in accordance with the contract, having passed all the tests under "Tests on completion SCC clause No.4.12".

**Clause No. 7.0**

After the taking over of the Contract job, if the same cannot be used (for the purpose for which it is intended), during any period, by the reason of a defect or damage, the Defect Liability Period shall be extended accordingly. If only a portion of the Contract job is affected, the Defect Liability Period shall be extended [in case the Contractor fails to commence for repair/ replacement within 3 days of its occurrence] only for that portion, provided the other portions of the Contract job remains in order, fulfilling contract conditions.



In neither case shall the Defect Liability Period be extended for 24 months from the date of the materials being replaced/repaired/ modified.

**Clause No. 8.0**

Payment to the Successful Bidder will be made stage-wise as indicated below :-

- i) Payment for 70% amount of 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.
- ii) Payment for 20% amount of each item will be made against installation of respective items and submission of bills along with Installation Certificate.
- iii) Payment for 10 % amount will be made against Testing, successful commissioning, taking over the commissioned job by SMP Kolkata and submission of bills, along with Job Completion Certificate.

**SECTION – IX**  
**BIDDING FORMS**

**BIDDING FORM – I**

**E-Tender No. SDM(P&E)/T/03/2022-2023**

**MINIMUM ELIGIBILITY CRITERIA**

[To be filled up and uploaded, duly signed & stamped]

**(I) ANNUAL TURNOVER STATEMENT**

The annual turnover of ..... ( name of the bidding firm), **for the years 2018-19, 2019-20 and 2020-21** , based on the **Balance Sheets and Profit & Loss Accounts**, are given below:

<b>Financial years</b>	<b>Turnover (as per Auditor's Report / Balance Sheet) [in Rs ]</b>
<b>2018-19</b>	
<b>2019-20</b>	
<b>2020-21</b>	
<b><i>Total</i></b>	
<b><i>Average Annual Turnover</i></b>	

SIGNATURE OF CHARTERED ACCOUNTANT        ::

NAME OF CHARTERED ACCOUNTANT                ::

(COMPANY SEAL)

**NOTE:** Copy of Balance Sheets and Profit & Loss Accounts enclosed with sealed & signed.

(II) **TECHNICAL EXPERIENCE**

<b>Sl. No.</b>	<b>Contract No. / Order No. and date</b>	<b>Name of the Employer and Place of work</b>	<b>Contract value [in Rs. ]</b>	<b>Date of completion of work</b>	<b>Page number(s) of reference / supporting document (s), uploaded.</b>

**BIDDING FORM-II****E-Tender No. SDM(P&E)/T/03/2022-2023****OTHER DOCUMENTS**

[To be filled up and uploaded, duly signed &amp; stamped]

Sl. No.	Requirement	Submitted/Not submitted [Put <input checked="" type="checkbox"/> if submitted & X if not submitted]	Validity/ For the month of
b)			
i)	<b>GST Registration Certificate.</b>	<input type="checkbox"/> If submitted, <b>Page Number(s):</b>	Not applicable.
ii)	Document in support of non-applicability.	<input type="checkbox"/> If submitted, <b>Page Number(s):</b>	Not applicable.
c)			
i)	<b>Profession Tax Clearance Certificate (PTCC)</b>	<input type="checkbox"/> If submitted, <b>Page Number(s):</b>	
	<b>OR</b>	<input type="checkbox"/> If submitted, <b>Page Number(s):</b>	
	<b>Profession Tax Payment Challan (PTPC)</b>	<input type="checkbox"/> If submitted, <b>Page Number(s):</b>	
ii)	Document in support of non-applicability.	<input type="checkbox"/> If submitted, <b>Page Number(s):</b>	Not applicable.
d)			
i)	Certificate for allotment of <b>EPF Code No.</b>	<input type="checkbox"/> If submitted, <b>Code No.:</b> <b>Page Number(s):</b>	Not applicable.
ii)	Latest <b>EPF Payment Challan.</b>	<input type="checkbox"/> If submitted, <b>Page Number(s):</b>	

<b>Sl. No.</b>	<b>Requirement</b>	<b>Submitted/Not submitted [Put √ if submitted &amp; X if not submitted]</b>		<b>Validity/ For the month of</b>
iii)	Document in support of non-applicability.	<input type="text"/>	If submitted, <b>Page Number(s):</b>	Not applicable.
e)				
i)	<b>Registration Certificate of ESI Authority.</b>	<input type="text"/>	If submitted, <b>Code No.:</b> <b>Page Number(s):</b>	Not applicable.
ii)	Affidavit, Declaration and Indemnity Certificate.	<input type="text"/>	If submitted, <b>Page Number(s):</b>	Not applicable.
f)	<b>PAN Card</b>	<input type="text"/>	If submitted, <b>PAN No.:</b> <b>Page Number(s):</b>	Not applicable.
g)	<b>MSME / MSE / DIC / SSI / NSIC certificate</b>	<input type="text"/>	If submitted, <b>Page Number(s):</b>	
h)	<b>Power of Attorney</b>	<input type="text"/>	If submitted, <b>Page Number(s):</b>	Not applicable.

**E-Tender No. SDM(P&E)/T/03/2022-2023****GENERAL INFORMATION OF THE BIDDER**

[To be filled up and uploaded, duly signed &amp; stamped]

1.	Bidder's Legal Name (IN CAPITAL LETTERS)		
2.	a )	Country of registration.	
	b )	Year of registration.	
	c )	Legal address in country of registration.	
	d )	URL of the bidder.	
3.	Information regarding bidder's authorised representative(s) / contact person(s)		
	a )	Name(s)	
	b )	Address(es)	
	c )	Telephone number(s)/Mob. No.	
	d )	Facsimile number(s)	
	e )	Electronic mail address	
4.	a )	Address of the branch office, if any	
	b )	Name of the contact person at branch office	
	c )	Telephone number(s)	

**Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years**

	d )	Facsimile number(s)	
	e )	Electronic mail address	
5.	Whether the bidder is a <b>Proprietorship Firm</b> or <b>Partnership Firm</b> or <b>Limited Company</b> .		
6.	<b>Details of the Banker(s) :</b>		
	a )	Name of the Banker(s) in full.	
	b )	Address(es) of the Banker(s)	
	c )	Telephone number(s)	
	d )	Facsimile number(s)	
	e )	Electronic mail address	
	f )	Name(s) of the contact person(s)	
7.	<b>Bank details for ECS payment :</b>		
	a )	Bank Account number.	
	b )	Name of the bank.	
	c )	Name of the branch.	
	d )	Address of the branch.	
	e )	RTGS code of the branch.	
	f )	MICR code of the branch.	
8.	<b>Income Tax and Goods &amp; Services Tax (GST)</b> details (if applicable):		
	a)	<b>Permanent Account Number (PAN)</b>	
	b)	<b>GST Registration Number (GSTIN)</b>	
9.	<b>Employees' Provident Fund (EPF) Code No.</b>		
10.	<b>Employees' State Insurance (ESI) Code No.</b>		
11.	Mainlines of business		

**E-Tender No. SDM(P&E)/T/13/2021-2022**

**FORMAT FOR DECLARATION**

*[ To be printed on the bidder's Letter Head and uploaded after signing]*

To,

**General Manager (Engg.)  
Haldia Dock Complex,  
Syama Prasads Mookerjee Port, Kolkata**

**Name of Work: "Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years"**

**E-Tender No. SDM(P&E)/T/13/2021-2022**

I ....., the authorized signatory of the ..... (Name of the Company /Firm) do hereby declare / confirm that :

**\* I / We have not been debarred, banned or delisted by any Government or Quasi-Government Agencies or Public Sector Undertakings in India.**

I / we have not made any **addition / modification / alteration** in the **Bidding Documents** (including Bidding Forms & Contract Forms) hosted in the websites.

The prices have been quoted in the Price Bid, electronically, through the website <https://kopt.enivida.in> only and no direct or indirect mention of the prices has been made by me / us anywhere else in my / our bid.

No extraneous conditions (like "Not Applicable", conditional rebate, etc.), regarding the Price Bid, have been mentioned anywhere in our bid.

**Signature of authorised person of the bidder  
(with office seal)**

- In case the **firm** has been debarred or banned or delisted by any Government or Quasi-Government Agencies or Public Sector Undertaking in India, then the same should be declared properly, after modifying the sentence, suitably.



**FORM OF TENDER**

*[ To be printed on the bidder's Letter Head and uploaded after signing]*

To,  
General Manager (Engg.)  
Haldia Dock Complex ;  
Syama Prasads Mookerjee Port, Kolkata

Name of Work: **“Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years”**

E-Tender No.: **SDM(P&E)/T/03/2022-2023**

I/We ..... (Name of the bidder) ..... of  
.....(Address of the bidder) ..... Having  
**examined the site of work, inspected the drawings** and read the **bidding documents** [including  
**all addenda / corrigenda**, issued i.e..... {insert Addendum / Corrigendum /  
Extension No(s)}], hereby bid and undertake to execute & complete all the work related to **“Supply,  
Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories,  
Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years”**  
required to be performed in accordance with the **Technical Specification, General Conditions of  
Contract (GCC), Special Conditions of Contract (SCC)**, etc., at the **rates & prices** quoted in the  
**Price Bid** [*submitted electronically, through the website <https://kopt.enivida.in>*], within  
..... month from the date of order to  
commence the work , in the event of our bid being accepted.

I/we also undertake to enter into a **Contract Agreement** in the form hereto annexed [**Section XI**]  
with such alterations or additions thereto, which may be necessary to give effect to the acceptance of  
the bid and incorporating such **Technical Specification, General Conditions of Contract (GCC),  
Special Conditions of Contract (SCC)**, etc. and I/we hereby agree that until such **contract  
agreement** is executed, the said **Technical Specification, General Conditions of Contract (GCC),  
Special Conditions of Contract (SCC)**, etc. and the bid, together with the acceptance thereof in  
writing, by or on behalf of the Employer, shall be the contract.

I / We require .....days preliminary time to arrange and procure the  
materials, tools & tackles, etc. required by the work, from the date of acceptance of bid, before I/we  
could commence the work.

I/We agree that the period for which the bid shall remain open for acceptance, shall not be less  
than..... **Days**, from the last date of submission of bid.

( Signature of authorised person of the bidder )

WITNESS:  
Signature:

Name : \_\_\_\_\_

**E-Tender No. SDM(P&E)/T/03/2022-2023****PRICE SCHEDULE**

[To be filled up and uploaded, duly signed &amp; stamped]

SL. No.	DESCRIPTION OF WORK	UNIT	Qty	Applicable % of GST		
				SGST	CGST	IGST
1	Supply installation, testing and commissioning of LIQUID MEDICAL OXYGEN 3KL CAPACITY TANK (LMO) including Vaporiser & all accessories as per Technical Specification excluding civil work of foundation	No	1			
2.0	<b>OXYGEN SYSTEM as per Tech Specs</b>					
2.1	Two- Sided Cylinder Manifold Indigenous (Oxygen) 8+8	set	1			
2.2	Fully Automatic Control Panel (Oxygen): 3- source	Set	1			
2.3	Emergency Oxygen Supply System 4-cylinders: Indigenous	set	1			
	<b>TOTAL</b>					
3.0	<b>NITROUS OXIDE SYSTEM as per Tech Specs</b>					
3.1	Two-Sided Cylinder Manifold Indigenous (N <sub>2</sub> O) 2+2	set	1			
3.2	Fully Automatic Control Panel (N <sub>2</sub> O)	set	1			
3.3	Emergency N <sub>2</sub> O Supply System 2 -cylinders: Indigenous	set	1			
	<b>TOTAL</b>					
4.0	<b>MEDICAL AIR SYSTEM as per Tech Specs</b>					
4.1	OIL-INJECTED SCREW TYPE AIR COMPRESSOR	set	2			
4.2	AIR DRIER	set	2			
4.3	Pressure Reducing System	No	1			
4.4	Automatic Drainage traps	set	1			
4.4	4-Stage Breathing Air Filters	set	2			
4.5	Air Receiver	No	1			
	<b>TOTAL</b>					
5.0	<b>VACUUM SYSTEM as per Tech Specs</b>					
5.1	Vacuum Pumps:	No	2			
5.2	Vacuum Receiver	No	1			
5.3	Bacteria Filters	set	2			
	<b>TOTAL</b>					

Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years

<b>6.0</b>	<b>PIPELINE DISTRIBUTION SYSTEM including Civil work as per Tech Specs</b>					
6.1	12 MM. OD X 0.9 MM. Thick	Mtr.	400			
6.2	15 MM. OD X 0.9 MM. Thick	Mtr.	861			
6.3	22 MM. OD X 0.9 MM. Thick	Mtr.	748			
6.4	28 MM. OD X 0.9 MM. Thick	Mtr.	308			
6.5	42 MM. OD X 1.2 MM. Thick	Mtr.	273			
6.6	54 MM. OD X 1.2 MM. Thick	Mtr.	90			
	<b>TOTAL</b>					
<b>7.0</b>	<b>Isolation Valve (factory-degreased) with brass adapters as per Tech Specs</b>					
7.1	15 MM.	No.	10			
7.2	22 MM.	No.	3			
7.3	28 MM.	No.	3			
7.4	42 MM.	No.	3			
7.5	54 MM.	No.	3			
	<b>TOTAL</b>					
<b>8.0</b>	<b>Alarm Valve Service Unit as per Tech Specs</b>					
8.1	<b>Valve Box Assembly</b>					
8.1.1	<b>4 Service: Oxygen, N<sub>2</sub>O, MA4 Air, and Vacuum)</b>	No.	1			
8.1.2	<b>(3 Services: Oxygen, MA4 Air and Vacuum)</b>	No.	9			
8.1.3	<b>(2 Services: Oxygen, and Vacuum)</b>	No.	2			
8.2	<b>Medical Gas Area Line Pressure Alarm</b>					
8.2.1	<b>4 Service: Oxygen, N<sub>2</sub>O, MA4 Air, and Vacuum)</b>	No.	2			
8.2.2	<b>(3 Services: Oxygen, MA4 Air and Vacuum)</b>	No.	9			
8.2.3	<b>(2 Services: Oxygen, and Vacuum)</b>	No.	2			
	<b>TOTAL</b>					
<b>9.0</b>	<b>GAS/ VACUUM TERMINAL OUTLETS as per Tech Specs</b>					
9.1	<b>OXYGEN OUTLET</b>	No.	66			
9.2	<b>NITROUS OXIDE OUTLET</b>	No.	4			
9.3	<b>AIR 4 BAR OUTLET</b>	No.	66			
9.4	<b>VACUUM OUTLET</b>	No.	66			
	<b>TOTAL</b>					
<b>10.0</b>	<b>Bed Head Panels (Horizontal / Vertical) as per Tech Specs</b>	No.	5			
<b>11.0</b>	<b>Combined Electrical Control Panel for Compressor &amp; Vacuum System as per Tech Specs</b>	Set	1			

Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years

12.0	CEILING PENDANTS FOR OT as per Tech Specs	No	1			
13.0	ACCESSORIES FOR PIPELINE SYSTEM as per Tech Specs					
13.1	Back Pressure Compensated flow meter is of accurate gas flow measurement with following features:	No.	66			
13.2	Ward Vacuum Unit (CE-certified)	No.	66			
13.3	Theatre Vacuum Units (CE-certified)	No.	1			
	<b>TOTAL</b>					
14.0	Electrical work related to entire distribution system including illumination of Storage Area	set	1			
	<b>TOTAL</b>					
15.0	<b>MEDICAL GASES</b>					
15.1	LMO basic charge	CuM	1			
15.2	LMO transportation	CuM	1			
16.0	Operation and Comprehensive Maintenance					
16.1	Operation & Comprehensive Maintenance Charges for 1st Year	set	1			
16.2	Operation & Comprehensive Maintenance Charges for 2nd Year	set	1			
16.3	Operation & Comprehensive Maintenance Charges for 3rd Year	set	1			
16.4	Operation & Comprehensive Maintenance Charges for 4th Year	set	1			
16.5	Operation & Comprehensive Maintenance Charges for 5th Year	set	1			
	<b>TOTAL</b>					

**Tender No. SDM(P&E)/T/03/2022-2023**

**Integrity Pact**

Between

**Syama Prasad Mookerjee Port, Kolkata (SMP, Kolkata)** hereinafter referred to as “**The Principal/ Employer**”.

And

..... hereinafter referred to as “**The Bidder/Contractor**”

**Preamble**

The Principal intends to award, under laid down organizational procedures, contract/s for ..... The Principal values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relations with its Bidder(s) and/or Contractor(s).

In order to achieve these goals, an Independent External Monitor (IEM) appointed by the principal, will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

NOW, THEREFORE,

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to:-

Enabling the PRINCIPAL/EMPLOYER to get the contractual work executed and/or to obtain/dispose the desired said stores/ equipment at a competitive price in conformity with the defined specifications/ scope of work by avoiding the high cost and the distortionary impact of corruption on such work /procurement/ disposal and Enabling BIDDERS/ CONTRACTORS to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and the PRINCIPAL/EMPLOYER will commit to prevent corruption, in any form, by its officials by following transparent procedures.

**Section 1 – Commitments of the Principal/ Employer.**

- (1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:
- No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
  - The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will, in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the tender

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**Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years**

process or the contract execution.

c. The Principal will exclude from the process all known prejudiced persons.

- (2). If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal Code (IPC)/Prevention of Corruption (PC) Act, or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions.

### **Section-2 –Commitments of the Bidder(s) / Contractor(s)**

- (1) The Bidder(s)/Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.
- a. The Bidder(s) /Contractor(s) will not directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
  - b. The Bidder(s)/Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contract, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
  - c. The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act; further the Bidder(s)/Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
  - d. The Bidder(s)/Contractor(s) of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly, the Bidder(s)/Contractor(s) of Indian Nationality shall furnish the name and address of the foreign principles, if any. Further details as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers" shall be disclosed by the Bidder(s)/Contractor(s). Further, as mentioned in the Guidelines, all the payments made to the Indian agent/representative have to be in Indian Rupees only. Copy of the "Guidelines on Indian Agents of Foreign Suppliers" is annexed and marked as Annex-A.
  - e. The Bidder(s)/Contractor(s) will when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- (2). The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

### **Section-3-Disqualification from tender process and exclusion from future contracts**

If the Bidder(s)/Contractor(s) before award or during execution has committed a transgression through a violation of Section 2 above, or in any other form such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/Contractor(s) from the tender process or take action as considered appropriate.

#### **Section 4-Compensation for damages**

- (1) If the Principal has disqualified the Bidder(s) from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/Bid Security.
- (2) If the Principal has terminated the contract according to Section 3 or if the Principal is entitled to terminate the contract according to Section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages of the contract value or the amount equivalent to Performance Bank Guarantee.

#### **Section 5-Previous transgression**

- (1) The Bidder declares that no previous transgressions occurred in the last 3 years from the date of signing the Integrity pact with any other Company in any country conforming to the anti corruption approach or with any other Public Sector Undertaking / Enterprise in India, Major Ports/ Govt. Departments of India that could justify his exclusion from the tender process.
- (2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or action can be taken as considered appropriate.

#### **Section 6- Equal treatment of all Bidders/Contractors/Sub-Contractors**

- (1) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact, and to submit it to the Principal before contract signing.
- (2) The Principal, will enter into agreements with identical conditions as this one with all Bidders, Contractors and Sub-contractors.
- (3) The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

#### **Section 7- Other Legal actions against violating Bidder(s)/ Contractor(s)/ Sub Contractor(s)**

The actions stipulated in this Integrity pact are without prejudice to any other legal action that may follow in accordance with provisions of the extant law in force relating to any civil or criminal proceedings. .

#### **Section 8 – Role of Independent External Monitor (IEM):**

- (a) The task of the Monitors shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this pact.



- (b) The Monitors shall not be subject to instructions by the representatives of the parties and shall perform their functions neutrally and independently.
- (c) Both the parties accept that the Monitors have the right to access all the documents relating to the contract.
- (d) As soon as the Monitor notices, or has reason to believe, a violation of this pact, he will so inform the authority designated by the Principal and the Chief Vigilance Officer of Kolkata Port Trust.
- (e) The BIDDER/ CONTRACTOR(s) accepts that the Monitor has the right to access without restriction to all contract documentation of the PRINCIPAL including that provided by the BIDDER/CONTRACTOR. The BIDDER/ CONTRACTOR will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his contract documentation, if any. The same is applicable to sub-contractors. The Monitor shall be under contractual obligation to treat the information and documents of the Bidder/Contractor/ Sub-contractor(s) with confidentiality.
- (f) The Principal/ Employer will provide to the Monitor sufficient information about all meetings among the parties related to the contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor, the option to participate in such meetings.
- (g) The Monitor will submit a written report to the designated Authority of Principal/ Employer/ Chief Vigilance Officer of Kolkata Port Trust within 8 to 10 weeks from the date of reference or intimation to him by the Principal/ Employer/ Bidder/ Contractor and should the occasion arise, submit proposals for correcting problematic situation. BIDDER/ CONTRACTOR can approach the Independent External Monitor (s) appointed for the purposes of this Pact.
- (h) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or to take corrective action, or to take other relevant action. The Monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
- (i) If the Monitor has reported to the Principal substantiated suspicion of an offence under the relevant IPC/PCA, and the Principal/ Employer has not, within reasonable time, taken visible action to proceed against such offence or reported to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
- (j) The word 'Monitor' would include both singular and plural.

## **Section 9 – Facilitation of Investigation:**

In case of any allegation of violation of any provisions of this Pact or payment of commission, the PRINCIPAL/EMPLOYER or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER/CONTRACTORS and the BIDDER/CONTRACTOR shall provide necessary information and documents **in English** and shall extend all possible help for the purpose of such examination.

## **Section 10 – Pact Duration:**

The pact begins with when both parties have legally signed it and will extend upto 2 years or the complete execution of the contract including warranty period whichever is later. In case

bidder/contractor is unsuccessful this Integrity Pact shall expire after 6 months from the date of signing of the contract.

If any claim is made/lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/determined by Chairman, SMP Kolkata.

**Section 11 – Other Provisions:**

- (1) This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal in Kolkata.
- (2) Changes and supplements as well as termination notices need to be made in writing in English.
- (2) If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- (4) Should one or several provisions of this agreement turn out to be invalid, the reminder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

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(For & on behalf of the Principal)

---

(For & on behalf of Bidder/Contractor).

(Office Seal)

(Office Seal)

Place :

Date :

Witness 1:

(Name & Address) .....

.....

.....

Witness 2:

(Name & Address) .....

.....

.....

**GUIDELINES FOR INDIAN AGENTS OF FOREIGN SUPPLIERS**

- 1.1 There shall be compulsory registration of Indian agents of Foreign suppliers for all Tenders. An agent who is not registered with SMP, Kolkata shall apply for registration in the prescribed Application-Form.
- 1.2 Registered agents will file an authenticated Photostat copy (duly attested by a Notary Public)/Original certificate of the principal confirming the agency agreement and giving the status being enjoyed by the agent and the commission/ remuneration/salary/retainer ship being paid by the principal to the agent before the placement of order by SMPKolkata.
- 1.3 Wherever the Indian representatives have communicated on behalf of their principals and the foreign parties have stated that they are not paying any commission to the Indian agents, and the Indian representative is working on the basis of salary or as retainer, a written declaration to this effect should be submitted by the party (i.e. Principal) before finalizing the order.
- 2.0 DISCLOSURE OF PARTICULARS OF AGENTS/REPRESENTATIVES IN INDIA. IF ANY.**
- 2.1 Tenderers of Foreign nationality shall furnish the following details in their offer:**
  - 2.1.1 The name and address of the agents/representatives in India, if any and the extent of authorization and authority given to commit the Principals. In case the agent/representative be a foreign Company, it is to be conformed whether it is real substantial Company and details of the same shall be furnished.
  - 2.1.2 The amount of commission/ remuneration included in the quoted price(s) for such agents/ representatives in India.
  - 2.1.3 Confirmation of the Tenderer that the commission/remuneration if any, payable to his agents/ representatives in India, is to be paid by SMP, Kolkata in Indian Rupees only.
- 2.2 Tenderers of Indian Nationality shall furnish the following details in their offers:**
  - 2.2.1 The name and address of the foreign principals indicating their nationality as well as their status, i.e. whether manufacturer or agents of manufacturer holding the Letter of Authority of the Principal specifically authorizing the agent to make an offer in India in response to tender either directly or through the agents /representatives.
  - 2.2.2 The amount of commission/remuneration included in the price(s) quoted by the Tenderer for himself.
  - 2.2.3 Confirmation of the foreign principals of the Tenderer that the commission/remunerations, if any, reserved for the Tenderer in the quoted price(s), is to be paid by SMP, Kolkata in India in equivalent Indian Rupees.
- 2.3** In either case, in the event of contract materializing, the terms of payment will provide for payment of the commission/remuneration, if any payable to the agents/representatives in India in Indian Rupees on expiry of 90 days after the discharge of the obligations under the contract.

- 2.4** Failure to furnish correct and detailed information as called for in paragraph-2.0 above will render the concerned tender liable for rejection or in the event of a contract materializing, the same liable to termination by SMP Kolkata. Besides this there would be a penalty of banning business dealings with SMP Kolkata or damage or payment of a named sum.

## **SECTION - X**

### **CHECKLIST**

#### **Tender No. SDM(P&E)/T/03/2022-2023**

*Before scanning and upload the following required documents, all pages are to be signed by a person duly authorised to sign on behalf of the bidder, and are to be embossed with their official seal, owing responsibility for their correctness / authenticity. All pages of the aforesaid documents should be serially marked.*

*The offered prices would be given in the “**Price Bid (Part-II)**” electronically, through the website of **e-Nivida** only.*

<b>Sl. No.</b>	<b>Particulars</b>	<b>Submitted/ Not submitted [Put ✓ if submitted and <u>put X if not submitted</u>]</b>	<b>If submitted, <u>page numbers</u></b>
1.	<b>Proof of Bid Document Fee.</b> Certificate of getting benefit by MSME / SSI / NSIC for exemption of <b>Bid Document Fee.</b>	<input type="checkbox"/>	<input type="checkbox"/>
2.	<b>Proof of Earnest Money Deposit (EMD)</b>	<input type="checkbox"/>	<input type="checkbox"/>
3.	<b>Audited Balance Sheets and Profit &amp; Loss Accounts for the years 2018-19, 2019-20 and 2020-2021.</b>	<input type="checkbox"/>	<input type="checkbox"/>
4.	<b>Power of Attorney</b>	<input type="checkbox"/>	<input type="checkbox"/>
5.	<b>Bidding Forms</b>	<input type="checkbox"/>	<input type="checkbox"/>

Sl. No.	Particulars		Submitted/ Not submitted [Put ✓ if submitted and <u>put X if not submitted</u> ]	If submitted, <u>page numbers</u>
	i)	<b>Bidding Form – I</b>	<input type="checkbox"/>	<input type="checkbox"/>
	ii)	<b>Bidding Form - II</b>	<input type="checkbox"/>	<input type="checkbox"/>
	iii)	<b>Bidding Form – III</b>	<input type="checkbox"/>	<input type="checkbox"/>
	iv)	<b>Bidding Form - IV</b>	<input type="checkbox"/>	<input type="checkbox"/>
	v)	<b>Bidding Form – V</b>	<input type="checkbox"/>	<input type="checkbox"/>
	vi)	<b>Bidding Form - VI</b>	<input type="checkbox"/>	<input type="checkbox"/>
	vii)	<b>Bidding Form - VII</b>	<input type="checkbox"/>	<input type="checkbox"/>

**SECTION – XI**  
**CONTRACT FORMS**

**FORM OF AGREEMENT**

(To be submitted on Non- judicial Stamp Paper of worth not less than INR 50.00)

**CONTRACT NO. : GM(E)/...../ /AGMT/...../.....**

**TENDER REFERENCE:**

**E-Tender No. SDM(P&E)/T/03/2022-2023**

***“Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years”***

**ORDER REFERENCE:** ..... / /O-... dated .....

**This agreement** made this ..... day of ..... , Two thousand..... ,  
**BETWEEN**

**The Board of Trustees for the Port of Kolkata**, a body corporate -- constituted by the Major Port Trust Act, 1963 (hereinafter called the ‘**Trustees**’, which expression shall unless excluded by or repugnant to the context be deemed to include their successors in office) of the one part

**AND**

..... (hereinafter called the “**Contractor**”, which expression shall unless excluded by or repugnant to the context be deemed to include its heirs, executors, administrators, representatives and assignees or successors in office) of the other part

[Together hereinafter the “Parties”]

**WHEREAS**

The Trustees are desirous that certain works should be executed by the Contractor, viz. “**Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years**” and have accepted a Bid / offer by the Contractor for execution, completion and maintenance of such works, including remedying any defects therein, during the Defect Liability Period.

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this agreement words expressions shall

**NOW THIS AGREEMENT WITNESSETH as follows:**

1. In this agreement words and expression shall have the same meanings as are respectively assigned to them in **Conditions of Contract** hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this agreement :
  - a) The said bid / offer.
  - b) The Letter of Acceptance of the bid /offer [vide Order No...../...../O-... dated..... ]
  - c) The Conditions of Contract and **Technical Specification** [all terms and conditions of E-Tender No. **SDM (P&E)/T/13/2021-2022**].
  - d) Addenda [Please insert Addenda Nos ..... ]
  - e) “Price Comparative Statement”, showing the prices quoted (electronically, through the website <https://kopt.enivida.in>) by the Successful Bidder, in the Price Bid.
  - f) All correspondence, by which the contract is added, amended, varied or modified, in any way, by mutual consent.
3. In Consideration of the payments to be made by the Trustees to the Contractor as hereinafter mentioned, the Contractor hereby covenant with the Trustees to execute, complete & maintain the work, including remedy any defects therein (during the Defect Liability Period”), in conformity with the provisions of the Contract, in all respects.

**IN WITNESS** whereof the parties hereto have caused this Agreement to be executed the day and year first before written.

The parties hereunto affixed their respective Common Seals (or have hereunto set their respective hands and seals).

For and on behalf of

For and on behalf of

HALDIA DOCK COMPLEX  
KOLKATA PORT TRUST

(CONTRACTOR)

(*TRUSTEES*)

SEAL

SEAL

**In presence of**

**In presence of**



## **INDEMNITY BOND**

[To be submitted on Non-judicial Stamp Paper of worth not less than INR 50.00, **duly notarised**]

Reference:

Order No.:...../...../...../O-... dated ..... For **Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years.**

**General Manager(Engineering)**  
**Haldia Dock Complex ;**  
**Jawahar Tower(2<sup>nd</sup> Floor) ; P.O.Haldia Township;**  
**Dist. Purba Medinipur ,West Bengal, India**  
**PIN : -721 607**

This deed of **Indemnity Bond** made on..... by  
..... Having their office at .....  
(hereinafter called “the **Contractor**”).

**Whereas** the General Manager (Engineering), **Haldia Dock Complex, SMP,Kolkata , Dist.: Purba Medinipur, West Bengal** (hereinafter call “the **Engineer**”) has placed an order, bearing no. .... /...../O-... dated ..... And some materials, spare parts, components, sub-assemblies, etc. are required to be taken **outside of Haldia Dock Complex** premises for some specialized servicing, repairing, overhauling, etc. or **fault diagnosis & remedial measures** by the Contractor, as per the terms & conditions mentioned in the said order, and which have been mutually agreed upon by the parties hereto,

AND

**Whereas** in consideration of the said contract, the Contractor has agreed to execute an **Indemnity Bond** for the safe custody on receipt of the said materials, spare parts, components, sub-assemblies, etc., from the **Engineer** until the **completion of servicing / overhauling / repairing / remedial work** and returning back to the Engineer as hereinafter appearing.

**Now** this deed witnessed that in pursuance of the said agreement and in the premises, the Contractor agrees to indemnify Engineer and at all the terms, to hold themselves liable for all the **damages, loss** due to **pilferage / fire** or negligence on the part of the Contractor or their employees, agents and representatives or from whatever cause, with all losses, interest charges and expenses incurred by the said Engineer on account of the material(s) issued to the Contractor,

AND

It is in terms of the said contract and this **Deed of Indemnity**, the material(s) issued free to the Contractor for servicing / overhauling / repairing / **fault diagnosis & remedial work**, thereon shall be deemed to be the **property of the Engineer**.

It is hereby agreed that the Contractor shall be liable for all injury, losses and damages that may be caused to the ....., from whatever cause and further that the Contractor shall not part with or delivery possession of the said material(s) to any other party or person, save in compliance with and in performance & provision of contract in respect of which this **Indemnity Bond** is executed, the Contractor having undertaken to delivery the said material (s) in all respect in compliance with the terms of the contract.

This bond and the trust hereby created shall remain valid and binding on the Contractor till such time as the above said order has been fully and finally executed and Contractor has delivered the ..... complete thereon to the Engineer under the terms of the contract.

For and on behalf of (name of the Contractor), under the common seal of the company.

**WITNESS**

(Signature of the authorised person on behalf of the Contractor)

( Signature )

Name :

Name :

Designation

Designation

Signed in my presence and identified by me

**BANK GUARANTEE FOR PERFORMANCE GUARANTEE**

**[To be submitted on Non-judicial Stamp Paper of worth not less than INR 50.00]**

**To  
The Board of Trustees,  
for the Port of Kolkata.**

BANK GUARANTEE NO..... DATE.....

Name of Issuing Bank.....

Name of Branch.....

Address.....

In consideration of the **Board of Trustees for the Port of Kolkata**, a body corporate – duly constituted under the Major Port Trusts Act, 1963 (Act 38 of 1963), (hereinafter referred to as “**The Trustees**”) having awarded to Shri / Messrs ....., a Proprietary/ Partnership/Limited / Registered Company, having its Registered Office at

..... (hereinafter referred to as “**The Contractor**”, which expression shall unless repugnant to the context or meaning thereof include its successors, administrators, executors and assigns), a **CONTRACT** by issue of Trustees’ Work Order No. ....

/ ...../...../O-..... dated ..... For “**Supply, Installation, Testing & Commissioning of Liquid Medical Oxygen (LMO) storage tank & accessories, Gas pipeline system (MGPS) including comprehensive operation and maintenance for five years**” and the same having been unequivocally accepted by the Contractor resulting in a **CONTRACT** bearing No. **GM(E)/1059/ /AGMT/...../.....** and the Contractor having agreed to provide a **BANK GUARANTEE** from a Nationalized / Scheduled Bank of India, in prescribed format for **Rs.**

..... (**Indian Rupees** ..... ) only, for the faithful and satisfactory performance of the entire contract .

We, ... Branch, Kolkata ...../Haldia, do, on the advice of the Contractor, hereby undertake to indemnify and keep indemnified the Trustees to the extent of the said sum of **Rs** ..... (**Indian Rupees** ..... ) only. We, .....

.....Branch, Kolkata ...../Haldia, further agree that if a written demand is made by the Trustees through any of its officials for honouring the Bank Guarantee constituted by these presents, we,..... Branch, Kolkata ...../Haldia, shall have no right to decline to cash the same for any reason whatsoever and shall cash the same and pay the sum so demanded to the Trustees within a week from the date of such demand by an A/c Payee Banker’s Cheque drawn in favour of “Kolkata Port Trust”, without any demur. Even if there be any dispute between the Contractor and the Trustees, this would be no ground for us, .....

..... (Name of Bank), ..... Branch, Kolkata ...../Haldia, to decline to honor the Bank Guarantee in the manner aforesaid. The very fact that we, .....Branch, Kolkata..... /Haldia, decline or fail or

neglect to honor the Bank Guarantee in the manner aforesaid, shall constitute sufficient reason for the Trustees to enforce the Bank Guarantee unconditionally without any reference, whatsoever, to the Contractor.

2. We, ..... ' Branch, Kolkata...../Haldia, further agree that a mere demand by the Trustees at anytime and in the manner aforesaid, is sufficient for us, .....Branch, Kolkata ...../Haldia, to pay the amount covered by this Bank Guarantee in full and in the manner aforesaid and within the time aforesaid without reference to the Contractor and no protest by the Contractor, made either directly or indirectly or through court, can be valid ground for us, ..... Branch, Kolkata ...../Haldia, to decline or fail or neglect to make payment to the Trustees in the manner and within the time aforesaid.
3. We,..... Branch, Kolkata...../Haldia, further agree that the Bank Guarantee herein contained shall remain in full force and effect, during the period that is taken for the due performance of the said contract by the Contractor and that it shall continue to be enforceable till all the dues of the Trustees under and/or by virtue of the terms and conditions of the said contract, have been fully paid and its claim satisfied and/or discharged in full and/or till the Trustees certify that the terms and conditions of the said contract have been fully and properly observed/fulfilled by the Contractor and accordingly, the Trustees have discharged the Bank Guarantee, subject however, that this guarantee shall remain valid upto and inclusive of .....day of ..... and subject all so that the provision that the Trustees shall have no right to demand payment against this guarantee after the expiry of 6 (six) calendar months from the expiry of the aforesaid validity period upto ..... or any extension thereof made by us, .....Branch, Kolkata ...../Haldia, in further extending the said validity period of this Bank Guarantee on Non-judicial Stamp Paper of appropriate value, as required / determined by the Trustees, only on a written request by the Trustees to the Contractor for such extension of validity of this Bank Guarantee.
4. We, .....Branch, Kolkata...../Haldia, further agree that, without our consent and without affecting in any manner our obligations hereunder, the Trustees shall have the fullest liberty to vary from time to time any of the terms and conditions of the said contract or to extend the time for full performance of the said contract including fulfilling all obligations under the said contract by the Contractor or to postpone for any time or from time to time any of the powers exercisable by the Trustees against the Contractor and to forebear or enforce any of terms and conditions relating to the said contract and We,.....Branch, Kolkata ...../Haldia, shall not be relieved from our liability by reason of any such variation or extension being granted to the Contractor or for any fore- bearing, act or commission on the part of the Trustees or any indulgence by the Trustees to the Contractor or by any such matter or thing of whatsoever nature, which under the law relating to sureties would, but for this provision, have effect of so relieving us, .....Branch, Kolkata ...../Haldia.
5. We, .....Branch, Kolkata ...../Haldia do also agree that the Trustees at their option shall be entitled to enforce this Guarantee against us .....Branch, Kolkata ...../Haldia as principal debtor in the first instance without producing against the Contractor and notwithstanding any security or other guarantee that the Trustees may have in relation to the Contractor's liabilities.
6. We,.....Branch, Kolkata... .. /Haldia, lastly undertake not to revoke this Bank Guarantee during its currency except with the previous consent

of the Trustees in writing.

SIGNATURE... ..

NAME.....

DESIGNATION.....

( Duly constituted attorney for and on behalf of )

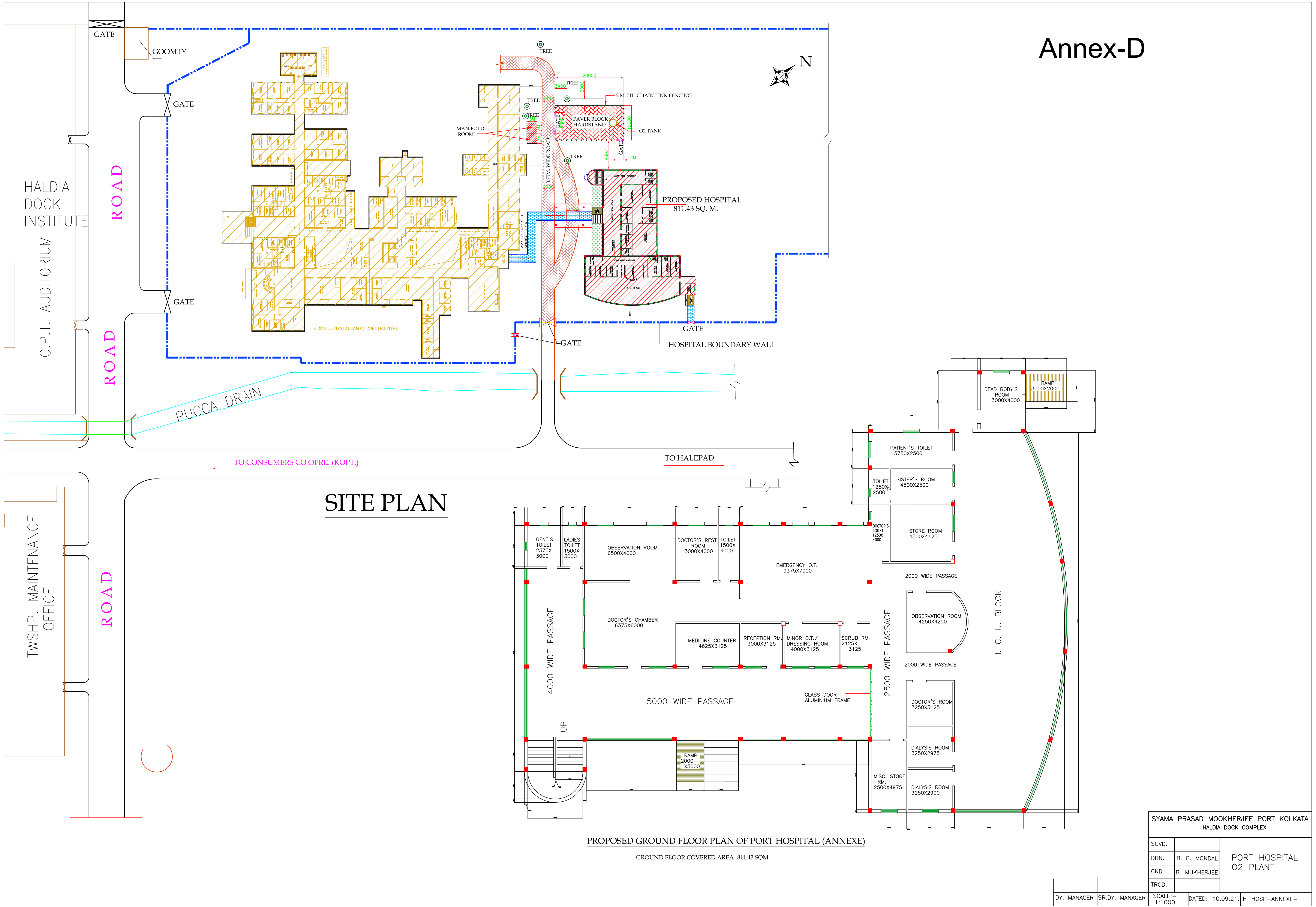
BANK. . . . . , . . . .

BRANCH... ..

KOLKATA ...../HALDIA

( OFFICIAL SEAL OF THE BANK)

Annex-D



SYAMA PRASAD MOOKHERJEE PORT KOLKATA HALDIA DOCK COMPLEX				
SUVD.		PORT HOSPITAL O2 PLANT		
DRN.	B. B. MONDAL			
CKD.	B. MUKHERJEE			
TRCD.				
DY. MANAGER	SR.DY. MANAGER	SCALE:- 1:1000	DATED:-10.09.21.	H-HOSP-ANNEXE-