

**SYAMA PRASAD MOOKERJEE PORT, KOLKATA  
HALDIA DOCK COMPLEX**

**Flag-A**

**NOTICE INVITING E-TENDER**

**[Tender No. : I&CF/SDM/RZ/20-21/ET/03]**

**E-TENDER No.: 2020\_KoPT\_571009\_1**

**Estimated Cost: ₹ 54,02,539.62**

**No: I&CF/SDM/RZ/20-21/ET/03/143**

**Date: 27.07.2020**

E-Tender under **single Stage Two part system** (Techno-Commercial Bid and Price Bid) are invited on behalf of Haldia Dock Complex (HDC), Syama Prasad Mookerjee Port, Kolkata (SMP, Kolkata) from resourceful, experienced and bonafide agencies with sound technical and financial capabilities on fulfilling the following Pre-qualification Criteria for the work of **“Construction of new Bituminous road from Mini Market to Medico Morh at Haldia Township, HDC.”**

**2.1 PRE-QUALIFICATION CRITERIA FOR BIDDERS:**

**2.1.1** Average Annual Financial Turnover during the last three years, ending on **31-03-2019**, should be at least **30%** of the estimated cost.

**2.1.2** The bidder 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 costing not less than the amount equal to **40 %** of the estimated cost

Or

b) **Two** similar completed works costing not less than the amount equal to **50 %** of the estimated cost

Or

c) **One** similar completed works costing not less than the amount equal to **80 %** of the estimated cost.

The term “*similar works*” means -

***“Construction and/or upgradation and/or repairing of road or any other combination of above works.”***

**2.1.3** Work Experience as sub-contractor or supply contractor shall not be considered as the requisite qualification

**2.2 DOCUMENTS TO BE UPLOADED**

**2.2.1 ESSENTIAL DOCUMENTS:**

- i) Credentials in the form of copies of Letters of Award of Works along with corresponding Completion Certificates from owners to justify that the intending bidder satisfies the earlier mentioned pre-qualification criteria.
- ii) Certified copies of audited balance sheet and Profit and Loss account / Trading account for the last 3 (three) financial years (i.e. 2016-2017, 2017-2018, 2018-2019) or a certificate from a chartered Accountant/Financial Auditor showing annual financial turnover of the company for the said financial years.

## 2.2.2 OTHER DOCUMENTS

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

- i) A Declaration as per '**Bidding Form – I**' that no conditions / deviations have been added in the price part of the Bid & the Bidding Firm has not been debarred / de-listed by any Govt / Quasi Govt. / Public Sector undertaking in India & The proprietor/partner(s)/authorized signatory of the bidding firm (in the case of proprietorship firm /partnership firm /limited company, as the case may be) is/are not associated with any other firm bidding for the same work.
- ii) The "**Form Of Tender**" (without price quoted) vide '**Bidding Form – II**' and un-priced "**Abstract Form Of Tender**" vide '**Bidding Form – III**' & shall not only be signed and stamped by the Bidder, but must also be duly witnessed and scan copy to be uploaded.
- iii) A list of works which are in hand at the time of submitting the offer as per the enclosed proforma titled '**Concurrent Commitments of The Bidder**' vide '**Bidding Form – IV**' of the tender document.
- iv) Details of the firm as per "**Bidders Profile**" vide '**Bidding Form – V**' of the tender document.
- v) Goods and Services Tax (**GST**) Registration Certificate, issued by Government of India.
- vi) Valid **Trade Licence**.
- vii) 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.
- viii) 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.
- ix) Registration certificate of **Employees' State Insurance (ESI)** authority, if applicable.

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 labourers), in connection with the instant contract, in case they become a Successful Bidder.
- x) **PAN Card**, issued by Income Tax Department, Government of India.
- xi) Micro & Small Enterprises (MSEs) shall submit the relevant documents for availing themselves waiver of EMD and cost of tender documents.

Micro and Small Enterprise registered with the authorities as mentioned in the Govt. of India gazette Notification dated 26.03.2012 shall be exempted from payment of Cost of Tender Document and depositing Earnest Money for which copies of valid MSE's Certificate along with the certificate of the authority as mentioned in the Govt. gazette with list of items registered must be submitted with tender.
- xii) Addendum/Corrigendum / Notice / Extension Notice issued and drawings (if any) duly signed by the Bidder under office seal.
- xiii) All the bidders shall fill up the checklist vide '**Bidding Form – VI**' to ensure consistency and completeness in submission of the required documents as

mentioned above.

**Note:** The bidder will have to produce the original documents or any additional documents, if asked for, to satisfy the Authorities.

- 2.3** 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. 2.2.1) and Bid Document fee & Earnest Money Deposit, as applicable, is not submitted by the bidder.

**2.4 AVAILABILITY OF THE BIDDING DOCUMENTS:**

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

- [https://eprocure.gov.in/eprocure / app](https://eprocure.gov.in/eprocure/app) of Central Public Procurement Portal.
- <http://www.kolkataporttrust.gov.in> of Syama Prasad Mookerjee Port, Kolkata.

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

**2.5 PARTICIPATING IN THE BIDDING PROCESS:**

The bidders will have to participate in the *electronic bidding process through the website of Central Public Procurement Portal , Government of India* ([https://eprocure.gov.in/eprocure / app](https://eprocure.gov.in/eprocure/app)) only.

Sd/-  
**Sr. Dy. Manager (RZ & Spl RT)**  
**I & CF Division**  
**Haldia Dock Complex**  
**Syama Prasad Mookerjee Port, Kolkata**

**OTHER INSTRUCTIONS:-**

- a) E-Tenderers are invited on single stage two Cover basis (Techno Commercial Part & Price Part) from resourceful, experienced and bonafide bidders with sound technical and financial capabilities for the above mentioned work at Haldia Dock Complex.
- b) Details of the Tender Documents and Notification of any Addendum / Corrigendum to the tender documents are available in web site from SMP, Kolkata website ([www.kolkataporttrust.gov.in](http://www.kolkataporttrust.gov.in)) and have to participate in bidding process through their website <https://eprocure.gov.in/eprocure/app> only.
- c) E-Tender Document shall neither be issued by post nor sold.
- d) E-Tenderers are not permitted to alter/change/delete/modify any clause of the tender document down loaded from the website. If any deviation / discrepancy is found after submission of tender, the submitted offer will be summarily rejected.
- e) Bidders shall submit the Bid Document as stipulated in the “Terms & Condition” of the e-tender document. Trustees reserve the right to verify the submitted copies of documents / credentials with the original documents.
- f) The successful tenderer will be required to comply with the relevant provisions of BOCW (RECS) Act, 1996, West Bengal BOCW (RECS) Act, 2004 and BOCW Welfare Cess Act, 1996 and the rules framed there under. An amount of cess as per prevalent rate (presently @ 1% of the billed amount) shall be progressively recovered from all the bills of the contractor for onward transmission of the same to the appropriate authority.
- g) E-Tenderers will be received through <https://eprocure.gov.in/eprocure/app> up to 15:00 hrs. on the last date of submission and opening of tender specified above.
- h) Techno Commercial Part & Price Part of the e-Tender will be opened shortly after 3.30 p.m. on the stipulated date.

- i) In case of unscheduled Holiday / Bandh on the date of opening of E-Tender, the same will be opened on the next working day.
- j) It is stated here that the subject tender may not be extended further.
- k) Syama Prasad Mookerjee Port, Kolkata reserves the right to reject any or all offers or to accept the offer in whole or in part without assigning any reason whatsoever thereof.

**Sd/-**  
**Sr. Dy. Manager (RZ & Spl RT)**  
**I & CF Division**  
**Haldia Dock Complex**  
**Syama Prasad Mookerjee Port, Kolkata**

**SCHEDULE OF TENDER (SOT)**

[Tender No. : I&amp;CF/SDM/RZ/20-21/ET/03]

**E-TENDER No.: 2020\_KoPT\_571009\_1**

3.1.	Name of work	::	Construction of new Bituminous road from Mini Market to Medico Morh at Haldia Township, HDC.
3.2.	Tender Inviting Authority	::	Sr. Dy. Manager (RZ & Spl RT), I & CF Division, Haldia Dock Complex, Syama Prasad Mookerjee Port, Kolkata.
3.3.	Mode of Tender	::	<b>e-Procurement System</b> Online (Pre-qualification, Techno-commercial Bid and Price Bid, in one part) through <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure / app</a> of <b>Central Public Procurement Portal, Government of India.</b> <i>No physical tender is acceptable by Haldia Dock Complex, Syama Prasad Mookerjee Port, Kolkata.</i>
3.4.	Estimated Cost	::	<b>₹ 54,02,539.62 [Indian Rupees: Fifty Four Lakh Two Thousand Five Hundred Thirty Nine and Paise Sixty Two Only]</b> (Excluding GST)
	i) <b>Bid Document Fee</b> (Cost of bidding documents)	::	The intending bidders must deposit <b>₹ 1770.00 (Indian Rupees: One Thousand Seven Hundred and Seventy) only [including GST @ 18%]</b> , as <b>Bid Document Fee (non-refundable)</b> , to Haldia Dock Complex, through DD / Banker's Cheque in favour of <b><u>"Syama Prasad Mookerjee Port, Kolkata, Haldia Dock Complex"</u></b> on any Scheduled / Nationalized Bank, payable at Haldia, otherwise, their bid will be summarily rejected, treating the same as non-responsive. Scanned copy of the DD / Banker's Cheque should be uploaded.
	ii) <b>Earnest Money Deposit (EMD)</b>	::	The intending bidders must deposit <b>₹ 1,08,051.00 (Indian Rupees: One Lakh Eight Thousand and Fifty One Only) only</b> , as <b>Earnest Money</b> , to Haldia Dock Complex, through DD / Banker's Cheque in favour of <b><u>"Syama Prasad Mookerjee Port, Kolkata, Haldia Dock Complex"</u></b> on any Scheduled / Nationalized Bank, payable at Haldia, otherwise, their bid will be summarily rejected, treating the same as non-responsive. Scanned copy of the DD / Banker's Cheque should be uploaded.
3.5.	Completion Period	::	06(Six) months.
3.6.	Bid Validity	::	4 (Four) months
3.7.	Security Deposit	::	As Per General Condition of Contract (GCC)
3.8.	Defect Liability Period / Maintenance Period	::	As per clause-8.11
3.9.	Last date and time for deposition of Earnest Money and Bid Document Fee to the office of Tender Authority of Syama Prasad Mookerjee	::	<b>17.08.2020, up to 15:00 Hrs. (IST).</b> <b>(Scanned copy of the DD/Banker's Cheque should be Uploaded on line).</b>

	<b>Port, Kolkata, Haldia Dock Complex.</b>		
<b>3.10.</b>	i) Starting date & time of submission of e-Tender	::	<b>27.07.2020 from 15:00 Hrs. (IST).</b>
	ii) Closing date & time of submission of e-Tender	::	<b>17.08.2020, up to 15:00 Hrs. (IST).</b>
	iii) Date & time of opening of Bid (Techno-commercial Bid & Price Bid) Part-II Price Bid: Date of opening of Part II i.e. price bid shall be informed separately	::	<b>18.08.2020, 15:30 Hrs. (IST) onwards.</b>
<b>3.11.</b>	<b>Address of the Employer</b>	::	<b>Syama Prasad Mookerjee Port, Kolkata (SMP, Kolkata).</b> 15 Strand Road, Kolkata – 700 001, West Bengal, India.
<b>3.12.</b>	<b>Address of Engineer</b>	::	<b>Sr. Dy. Manager (RZ &amp; Spl RT) (I &amp; CF Divn.)</b> Haldia Dock Complex; Syama Prasad Mookerjee Port, Kolkata.  <b><u>Address:</u></b> Township Civil Maintenance Office Cluster- 5; P.O.: Haldia Township; Dist.: Purba Medinipur ; PIN: –721607 West Bengal, India.  <b>Telephone no. :</b> 03224-263389 <b>E. mail :</b> <a href="mailto:bsengupta.hdc@kolkataporttrust.gov.in">bsengupta.hdc@kolkataporttrust.gov.in</a>

**Sd/-**  
**Sr. Dy. Manager (RZ & Spl RT)**  
**I&CF Division**  
**Haldia Dock Complex**

SYAMA PRASAD MOOKERJEE PORT, KOLKATA  
**HALDIA DOCK COMPLEX**  
**SHORT E-TENDER NOTICE**

Flag-C

[Tender No. : I&CF/SDM/RZ/20-21/ET/03]

**E-TENDER No.: 2020\_KoPT\_571009\_1**

Online e-tenders are invited for the work of “Construction of new Bituminous road from Mini Market to Medico Morh at Haldia Township, HDC.”

Closing date & time of online submission of e-tender : **17.08.2020**, up to 15:00 Hrs.

**Estimated Cost: ₹ 54,02,539.62 [Indian Rupees: Fifty Four Lakh Two Thousand Five Hundred Thirty Nine and Paise Sixty Two Only] (Excluding GST).**

For details of tender and any corrigendum / addendum, please visit

<https://eprocure.gov.in/eprocure/app> of **Central Public Procurement Portal, Government of India.**

or

<http://www.kolkataporttrust.gov.in> of **Syama Prasad Mookerjee Port, Kolkata.**

However, intending bidder shall have to participate in bidding process through <https://eprocure.gov.in/eprocure/app> only.

Sd/-  
**Sr. Dy. Manager (RZ & Spl RT)**  
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**Haldia Dock Complex**  
**Syama Prasad Mookerjee Port, Kolkata**

सयमा प्रसाद मुखर्जी पोर्ट, कोलकाता  
**Syama Prasad Mookerjee Port, Kolkata**  
(Erstwhile Kolkata Port Trust)  
हल्दिया गोदि परिसर  
**HALDIA DOCK COMPLEX**



**INFRASTRUCTURE & CIVIC FACILITIES (I&CF) DIVISION**  
**RESIDENTIAL ZONE (RZ)**  
**INVITE E-TENDER**

[TENDER No. : I&CF/SDM/RZ/20-21/ET/03]

[ E-TENDER No.: 2020\_KoPT\_571009\_1]

**FOR**

**CONSTRUCTION OF NEW BITUMINOUS ROAD FROM MINI MARKET TO  
MEDICO MORH AT HALDIA TOWNSHIP, HDC.**

[Under single Stage Two part system]

**July - 2020**



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**SYAMA PRASAD MOOKERJEE PORT, KOLKATA  
HALDIA DOCK COMPLEX**

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**SYAMA PRASAD MOOKERJEE PORT, KOLKATA**  
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Sd/-  
Sr. Dy. Manager (RZ & Spl RT)  
I & CF Division  
Haldia Dock Complex  
Syama Prasad Mookerjee Port, Kolkata

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

[Tender No. : I&CF/SDM/RZ/20-21/ET/03]

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<b>3.4.</b>	<b>Estimated Cost</b>	::	<b>₹ 54,02,539.62 [Indian Rupees: Fifty Four Lakh Two Thousand Five Hundred Thirty Nine and Paise Sixty Two Only] (Excluding GST)</b>
	<b>i) Bid Document Fee (Cost of bidding documents)</b>	::	The intending bidders must deposit <b>₹ 1770.00 (Indian Rupees: One Thousand Seven Hundred and Seventy) only [including GST @ 18%], as Bid Document Fee (non-refundable)</b> , to Haldia Dock Complex, through DD / Banker's Cheque in favour of <b><u>“Syama Prasad Mookerjee Port, Kolkata, Haldia Dock Complex”</u></b> on any Scheduled / Nationalized Bank , payable at Haldia , otherwise, their bid will be summarily rejected, treating the same as non-responsive. Scanned copy of the DD / Banker's Cheque should be uploaded.
	<b>ii) Earnest Money Deposit (EMD)</b>	::	The intending bidders must deposit <b>₹ 1,08,051.00 (Indian Rupees: One Lakh Eight Thousand and Fifty One Only) only</b> , as <b>Earnest Money</b> , to Haldia Dock Complex, through DD / Banker's Cheque in favour of <b><u>“Syama Prasad Mookerjee Port, Kolkata, Haldia Dock Complex”</u></b> on any Scheduled / Nationalized Bank , payable at Haldia , otherwise, their bid will be summarily rejected, treating the same as non-responsive. Scanned copy of the DD / Banker's Cheque should be uploaded.
<b>3.5.</b>	<b>Completion Period</b>	::	<b>06 (Six) months.</b>
<b>3.6.</b>	<b>Bid Validity</b>	::	<b>04 (Four) months.</b>

3.7.	Security Deposit	::	As Per General Condition of Contract (GCC)
3.8.	Defect Liability Period / Maintenance Period	::	As Per Clause-8.11.
3.9.	Last date and time for deposition of Earnest Money and Bid Document Fee to the office of Tender Authority of Syama Prasad Mookerjee Port, Kolkata, Haldia Dock Complex.	::	12.08.2020, up to 15:00 Hrs. (IST). (Scanned copy of the DD/Banker's Cheque should be Uploaded on line).
3.10.	i) Starting date & time of submission of e-Tender	::	27.07.2020 from 15:00 Hrs. (IST).
	ii) Closing date & time of submission of e-Tender	::	17.08.2020, up to 15:00 Hrs. (IST).
	iii) Date & time of opening of Bid (Techno-commercial Bid & Price Bid)	::	18.08.2020, 15:30 Hrs. (IST) onwards.
3.11.	Address of the Employer	::	Syama Prasad Mookerjee Port, Kolkata (SMP, Kolkata). 15 Strand Road, Kolkata – 700 001, West Bengal, India.
3.12.	Address of Engineer	::	Sr. Dy. Manager (RZ & Spl RT) (I & CF Divn.) Haldia Dock Complex; Syama Prasad Mookerjee Port, Kolkata.  <u>Address:</u> Township Civil Maintenance Office Cluster- 5; P.O.: Haldia Township; Dist.: Purba Medinipur ; PIN: –721607 West Bengal, India.  <b>Telephone no. :</b> 03224-263389 <b>E. mail :</b> <a href="mailto:bsengupta.hdc@kolkataporttrust.gov.in">bsengupta.hdc@kolkataporttrust.gov.in</a>

Sd/-  
**Sr. Dy. Manager (RZ & Spl RT)**  
**I&CF Division**  
**Haldia Dock Complex**

## **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 **Central Public Procurement Portal (CPPP)** , **Government of India** , <https://eprocure.gov.in/eprocure/app>, 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://eprocure.gov.in/eprocure / app](https://eprocure.gov.in/eprocure/app) only.**

**4.1.4** Possession of valid Digital Signature Certificate (DSC) and Registration of the intending bidder with **CPPP** 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://eprocure.gov.in/eprocure / app](https://eprocure.gov.in/eprocure/app).

**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 / CPPP, well in advance, keeping sufficient time in hand.



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

- (i) Shri B. Sengupta  
Designation: Sr. Deputy Manager ( I&CF Division)  
Mobile No.: + 91 9434063574; Landline: + 91-03224-263389  
E-mail : [bsengupta.hdc@kolkataporttrust.gov.in](mailto:bsengupta.hdc@kolkataporttrust.gov.in)

**Contact persons (CPP Portal):**

Shri Nazmush  
Mobile No.: + 91 9563251950  
E-mail : [webhelpdesk@gmail.com](mailto:webhelpdesk@gmail.com) [See also CPP Portal for contact details]

**4.1.11 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) Micro & Small Enterprises (MSEs) shall submit the relevant documents for availing themselves waiver of EMD and cost of tender documents.
- Micro and Small Enterprise registered with the authorities as mentioned in the Govt. of India gazette Notification dated 26.03.2012 shall be exempted from payment of Cost of Tender Document and depositing Earnest Money for which copies of valid MSE's Certificate along with the certificate of the authority as mentioned in the Govt. gazette with list of items registered must be submitted with tender.
- v) 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.
- vi) 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** All notices and correspondence with the bidder(s) shall be sent by e-mail only during the process till finalization of tender by HDC, SMP, Kolkata. Hence, the intending bidders are required to ensure that their e-mail IDs provided are valid and updated at the stage of registration of bidders with CPPP. The intending bidders are also requested to ensure validity of their DSC (Digital Signature Certificate).
- 4.2.2** In all cases, an intending bidder should use their own ID and Password, along with Digital Signature, at the time of submission of their bid. It is mandatory that all bids are submitted with Digital Signature Certificate (DSC), otherwise the same will not be accepted by the system.
- 4.2.3** Addenda, Corrigenda and Queries & Clarifications (with respect to the instant e-Tender), if any, would be hosted in the e-Procurement portal of CPPP.  
Since there is no provision to take out the list of intending bidders downloading the bidding documents from the websites mentioned in the Tender Notice, the intending bidders are requested to check the website of CPPP to ensure that they have not missed any Addenda, Corrigenda and Queries & Clarifications, uploaded against the instant e-Tender, after downloading the bidding documents. The responsibility of downloading such Addenda, Corrigenda and Queries & Clarifications, if any, will be that of the intending bidders.
- 4.2.4** No deviation/variation of the techno-commercial terms and conditions of the bidding documents will be considered by HDC, SMP, Kolkata. Submission of bid in the e-Tender platform by any bidder confirms their acceptance of the techno-commercial terms and conditions of the bidding documents.
- 4.2.5** HDC, SMP, Kolkata reserves the right to accept or reject any bid (in full or part) and to annul the bidding process and to reject all bids, at any time prior to contract award, without assigning any reason thereof and without thereby incurring any liability to the bidders.
- 4.2.6** Any order resulting from this open e-Tender shall be governed by the terms and conditions mentioned therein.
- 4.2.7** All electronic bids submitted during the e-Tender process shall be legally binding on the bidders. Any bid will be considered as the valid bid offered by that bidder and acceptance of the same by HDC, SMP, Kolkata will form a binding contract, between HDC, SMP, Kolkata and the bidder, for execution of the work. Such successful bidder shall be called hereafter the 'CONTRACTOR'.
- 4.2.8** The bids will be evaluated based on the filled-in Technical & Commercial formats and the requisite documents submitted (uploaded) by the bidders.
- 4.2.9** The documents uploaded by bidder(s) will be scrutinized. During scrutiny, in case any of the information furnished by the bidder is found to be false, Earnest Money Deposit of such defaulting bidder(s) will be forfeited. Punitive action, including suspension and banning of business, can also be taken against such defaulting bidder(s).
- 4.2.10** HDC, SMP, Kolkata, at its discretion, may extend the closing date & time of e-Tender, prior to the closing date & time of e-Tender mentioned in the Schedule of Tender (SoT). However, the closing date & time of e-Tender will not be extended, under any situation, after the due date is over.

#### **4.3 Opening of Bid [Techno-commercial Bid and Price Bid] :**

- 4.3.1** The Bids (Techno-commercial Bid and Price Bid) will be opened electronically on specified date and time, as given in the Schedule of Tender (SoT). Bidder(s) can witness electronic opening of bid(s).

## **SECTION - V**

### **INSTRUCTIONS TO BIDDERS (IB)**

#### **A. GENERAL**

##### **5.1 Preface**

- (a) The work as described in the tender shall be executed in Haldia and in accordance with the attached General Conditions of Contract, Special Conditions of Contract, Particular Specifications, and Drawings (if any) & detailed Bill Of Quantities. Location Plan of the place of work might be inspected at the office of the SR. DY. MANAGER (RZ), I&CF on any working day before quoting for the tender.

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

**5.2.1** It is the policy of **Syama Prasad Mookerjee Port, Kolkata (SMP, Kolkata)** 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 Good Conduct**

- 5.3.1** If a bidder has had previous history of “defined misconduct” (such as banning from by any government sector/PSUs/any public authority, premature termination of a contract solely on bidder’s fault, criminal case pending against the company or its owner / current director filed by a government entity etc.) his offer is liable to be ignored.

### **5.4 Eligible bidders**

- 5.4.1** A Bidder, and all parties constituting the 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

- 5.4.2** 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.

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

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

## 5.5 Authority in signing the bid / offer

- 5.5.1 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**.
- 5.5.2 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**.
- 5.5.3 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**.
- 5.5.4 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**

### 5.6 Sections of Bidding Documents

- 5.6.1 The contents of the **Bidding Documents** as detailed at “TABLE OF CONTENTS” should be read in conjunction with any addendum / corrigendum issued.
- 5.6.2 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.
- 5.6.3 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.

### 5.7 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 (IB) 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 CPPP only.

### **5.11 Form of Tender & Abstract Form Of Tender**

The bidder shall have to submit (upload) the **“FORM OF TENDER” & “ABSTRACT FORM OF TENDER”**. This forms **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 Bill of Quantities**

**5.12.1** The Bidder shall quote percentage (%) [above / below / at par] on-line **(through CPP portal only)** as per the **Bill of Quantities** (Bill of Quantities) in the Price bid, without any condition or deviation. Price indicated anywhere else, in any other form or manner, will not be considered for evaluation.

## **5.13 Bid Prices**

**5.13.1** The percentage (%) [above / below / at par] is to be quoted by the Bidder **through CPP 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 percentage (%) [above / below / at par] entered (electronically through CPP Portal) by the **Bidder**, shall be based on the Bill of Quantities, which 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 **“BILL OF QUANTITIES”**, 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 price(s), based on the quoted percentage, 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) 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 (₹)** only.

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

- 5.15.1** Bids shall remain valid for the period of **120 days** after the bid submission deadline date (considering extension thereof, if any) as prescribed in **IB**. 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 Document Fee**

- 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 Earnest money and cost of bidding document are to be physically deposited** at the office of Sr. Dy. Manager (RZ & Spl RT) (I&CF), Haldia Dock Complex, Township Civil Maintenance Office ,P.O: Haldia Township, Dist.: Purba Medinipur; PIN: 721 607; West Bengal; India, separately in a single sealed envelope, mentioning Tender no. with proper marking Demand Draft/ Banker's Cheque / Pay Order etc. against Earnest money and cost of bidding document, should be submitted / deposited on any scheduled/ nationalized Bank, by the bidder in favour of **"Syama Prasad Mookerjee Port, Kolkata, Haldia Dock Complex"** payable at Haldia before opening of the tender, as specified in the Bidding Document.

**5.16.3** Failing to deposit the Earnest Money, in accordance with IB, shall be rejected by the Employer (SMP, Kolkata), 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.

**5.16.4** Refund of Earnest Money Deposit:

Earnest Money Deposit of the successful bidder shall be retained by SMP, Kolkata and Refund of Earnest Money Deposit of the unsuccessful bidders shall be processed, without interest, after the date of finalization/acceptance of tender.

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

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

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

**5.16.6** 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. SMP, Kolkata 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.

#### **5.17 For Micro & Small Enterprises**

- 5.17.1** Micro & Small Enterprises (MSEs) shall submit the relevant documents for availing themselves waiver of EMD and cost of tender documents.
- 5.17.2** Micro and Small Enterprise registered with the authorities as mentioned in the Govt. of India gazette Notification dated 26.03.2012 shall be exempted from payment of Cost of Tender Document and depositing Earnest Money for which copies of valid **MSE's Certificate along with the certificate of the authority as mentioned in the Govt. gazette with list of items registered must be submitted with tender.**

### **D. SUBMISSION AND OPENING OF BIDS**

#### **5.18 Submission of bids**

- 5.18.1** Bidders shall have to submit their bids [both **Pre-qualification & Techno-commercial Bid** and **Price Bid**] on-line **through CPPP only.**
- 5.18.2** The Bidder should submit (upload) the scanned copies of all the relevant and required documents, statements, filled up formats, certificates, etc. [in accordance with **IB**], in the aforesaid portal, in support of their **Pr-qualification Criteria and Techno-commercial Bid.**
- 5.18.3** 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 **IB**, 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.
- 5.18.4** 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.
- 5.18.5** The Bidder will have to produce the original documents or any additional documents, if asked for, to satisfy **Haldia Dock Complex, Syama Prasad Mookerjee Port, Kolkata.**

**5.18.6** The **Price Bid** comprised the prices only and the same are to be submitted electronically, through the website of **CPPP** only. *No hardcopy of priced “Bill of Quantities” is required to be uploaded.*

**5.19 Techno-commercial offer**

**5.19.1** 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.

**5.19.2** 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**.

**5.20 Priced offer**

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

**5.21 Deadline for submission of bids**

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

**5.21.2** **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 **IB**, 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.

**5.22 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.

**5.23 Withdrawal of bids**

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

**5.23.2** 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 in the “**FORM OF TENDER**” or any extension thereof. Modification / Withdrawal of the bid sent through any other means shall not be considered by **SMP, Kolkata**.

**5.23.3** 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 **IB**.

**5.24 Bid opening [including Price Bid]**

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

- 5.24.2** 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**

**5.25 Confidentiality**

- 5.25.1** 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.
- 5.25.2** 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**.
- 5.25.3** Notwithstanding **IB 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.

**5.26 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.

**5.27 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.

## **5.28 Responsiveness of bids**

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

**5.28.2** 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.

**5.28.3** 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 **IB**.

**5.28.4** 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.

## **5.29 Nonconformities, errors and omissions**

**5.29.1** 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.

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

**5.29.3** 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.

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

- 5.30.1** At first, the contents of the documents, submitted in support of the Pre-qualification Criteria [including the further documents / clarifications received in accordance with **IB**] will be scrutinized and evaluated.
- 5.30.2** **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.
- 5.30.3** 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.

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

- 5.31.1** After scrutiny of the **Pre-qualification Criteria, Techno-commercial Bids** of the Pre-qualified bidders [as indicated above] will be scrutinized & evaluated.
- 5.31.2** **SMP, Kolkata** shall examine the bid to confirm that all terms and conditions specified in the **Technical Specification, GCC** and **SCC** have been accepted by the bidder without any material deviation or reservation or omission.
- 5.31.3** 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 considered. Decision of **SMP, Kolkata** on this matter shall be final.

### **5.32 Examination of Price Bid**

**PRICE BIDS** of the bidders, who qualify in the “Pre-qualification & Techno-commercial Bid”, will only be considered for evaluation.

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

- 5.33.1** While evaluating the Price Bids, the percentage (%) [above / below/ at par] quoted by the bidders shall be taken into account and accordingly TOTAL PRICE [considering all items of the “Bill of Quantities”], will be arrived at. Selection of the successful bidder will be made on the basis of overall lowest offer, thus arrived, subject to fulfilment of all terms & conditions of the instant Bidding Document.
- 5.33.2** In case it is found that the quoted **percentage (%)** [above / below/ at par] 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 revised “ **TOTAL PRICE** [considering all items of the “**Bill of Quantities**”] arrived, considering the fresh **percentage (%)** [**Above / below / at par**], must be less than the “**TOTAL PRICE**” arrived earlier.

**5.33.3** The MSE’s registered with NSIC / DIC shall not be eligible to get any benefit other than exemption from payment of EMD & Cost of Bidding Document as per New Public Procurement Policy as notified by the Govt. of India, Ministry of Micro Small & Medium Enterprises (MSME) in the Gazette of India vide no. 503, dated 26.03.2012, as splitting of the work can not be done, it being a composite work.

**5.33.4** It is not obligatory on the part of **SMP, Kolkata** to accept the lowest bid. They reserve the right to accept a tender in full or in part and / or reject a tender without assigning any reason thereof.

**5.33.5** In the event of acceptance of tender in part, the rate(s) against each of the item(s) constituting the order shall be identical to the rate(s) for the corresponding item(s), based on the percentage quoted in the Price Bid and tender terms & conditions shall also remain unaltered. Irrespective of whether order is placed on part or, on the whole, no plea for subsequent withdrawal or the amendment will be entertained.

#### **5.34 Detail Scrutiny of e-tender & Non-responsive Offers**

**5.34.1** During techno-Commercial Evaluation of tender, an offer shall be considered non-responsive in case:-

- (i) is not accompanied by requisite earnest money
- (ii) is not accompanied by requisite tender paper cost
- (iii) validity of the offer is less than tender stipulation
- (iv) It does not meet the Qualification Criteria as stipulated in the NIT
- (v) The bidder submits conditional offer / impose own terms and conditions / does not accept tender conditions completely
- (vi) Non-submission of Essential Documents.

**5.34.2** In addition to above, a bidder may be disqualified if

- (i) The bidder provides misleading or false information in the statements and documents submitted
- (ii) Record of unsatisfactory performance during the last seven years, such as abandoning of work or rescinding of contract for which the reasons are attributable to the non-performance of the contractor or inordinate delays in completion or financial bankruptcy etc.

**Note:** The decision of Syama Prasad Mookerjee Port, Kolkata in this regard shall be final and binding on the Bidder

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

**5.35.1** **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**

**5.36** Subject to **IB 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 **IB Clause No. 5.32**] and is substantially responsive to the Bidding Documents.

#### **5.37 Notification of award**

Prior to the expiration of the period of bid validity or extended validity in accordance with **IB, 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 **GCC Clause No. 7.1.4 a**).

#### **5.38 Signing of contract agreement**

**5.38.1** After placement of order, **contract agreement** 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 **₹50.00**] & **dummy papers**.

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

**5.38.3** Two sets of executed **Contract Agreement**, duly signed by authorised person of **SMP, Kolkata** & authorized person of the Contractor (Successful Bidder), will be kept under **SMP, Kolkata**’s custody, after affixing the Common Seal of **SMP, Kolkata**. One set of such **executed Contract Agreement** will be handed over to the Contractor for their record & future reference.

**5.38.4** Total process of executing contract agreement should be completed within 14 days of issuance of “Letter of Acceptance” by **SMP, Kolkata**. Until such contract agreement is executed, the other documents referred to the definition of the term “Contract” [**GCC Clause**], shall collectively be the contract.

#### **5.39 Miscellaneous**

**5.39.1** Bidder shall submit his offer for complete scope of work, strictly in accordance with the tender documents. Any deviation from the tender documents and / or any incomplete tender shall not be considered

**5.39.2** The bidder shall not impose his own terms & conditions in his offer or quote his rates based on his own terms and conditions, such E-Tenderers are liable to rejection at the option of the Trustees without further reference to the bidder.

**5.39.3** All materials shall have to be procured by the successful Bidder and shall be of the best and approved quality conforming to relevant specifications. The successful Bidder shall also arrange for the supply of all labour, tools and plants as stipulated in the Special Conditions of Contract, required for efficient execution of the work.

- 5.39.4** All measuring units are in Metric System and rates and sums in the tender are in Indian Currency. The language used throughout shall be in English.
- 5.39.5** The Tender Documents with all the enclosures, appendices, Abstract Form of Tender and Form of Tender shall be required to be complete, duly filled in and signed and uploaded.
- 5.39.6** The Bidder shall give a declaration about the names of their relations employed in Syama Prasad Mookerjee Port, Kolkata. It is not the intention to debar the Contractors from working if their relatives are working in Ko.P.T, but such a declaration is necessary in the interest of Trustees against any possible lapses.

## **SECTION - VI**

### **TECHNICAL SPECIFICATION**

#### **A. Scope of Work:**

##### **6.1. Scope of Work includes-**

- a) The work comprises of Construction of new Bituminous road from Mini Market to Medico Morh at Haldia Township, HDC. . It involves dismantling of RCC structure, excavation, earth filling, drum sheet walling, supplying, laying of sand, boulders, supplying, laying of WBM, BM, Tack coat, Prime coat, Seal Coat, RCC works, shuttering, laying of paver blocks removing rubbish etc. with other appurtenant works as set forth in the attached bill of Quantities and all additional and varied works which may hereafter be required for satisfactory completion of the work. Work will be required to be executed at different spells as per direction during the period of contract.
  - b) All completed as set forth in the enclosed BOQ. “Bill of quantities” including all other appurtenant works as may be required hereafter for successful completion of the work in accordance with the Trustees’ General conditions of contract, special Conditions of contract, Particular Specifications and the Bill of Quantities and all additional and varied works, which may hereafter be requested in accordance with of the Trustees, General Conditions of contract.
  - c) The scope of work also includes all other ancillary and appurtenant works as set forth in the attached Bill of Quantities in accordance with specifications for materials and workmanship as per this tender, relevant BIS codes, specifications as detailed in M.O.R.T.H Specifications and PWD, West Bengal’s Schedule of Rates for Road & Bridge Works and Building Works (Latest editions).
- 6.2. All practical steps shall be taken to prevent danger to persons employed from the risk of fire or explosion or flooding. No floor, roof or other part of the building shall be so overloaded with debris of materials as to render it unsafe.
- 6.3. The Contractor shall engage experienced personnel to carry out the works in all respects at their own cost. The Contractor shall supply all necessary labour, tools, tackles, lifting machineries, plants, scaffolding arrangement, different vehicular transport etc and equipment with fuel & operator required for satisfactory execution of the work, at their own risk, cost and expense.
- 6.4. All necessary personnel safety equipment, as per relevant statutory provisions, should be kept available for the use of the persons employed on the site and the Contractor should take adequate steps to ensure proper use of safety equipment by those concerned.
- 6.5. The ordinary business and work of HDC, SMP, Kolkata & others, as being carried out on & in the vicinity of the site, shall be continued during installation, testing & commissioning and maintenance. The execution of the work shall be conducted in such a way as to avoid interference with traffic of every kind by land and with any other work in progress in the vicinity.

**B. Detailed Technical Specification:**

**6.6. General**

- (i) All materials to be used in the permanent works shall be of the best quality of the kind and to the approval of the Engineer. They shall comply with the Specifications laid out in the BIS codes (referred to as IS) as revised or modified up to the date one month prior to the Tender Date unless otherwise specifically mentioned in the Tender Documents.
- (ii) **The materials supplied and the workmanship shall satisfy the Specifications as given in the PWD Schedule of Rates, Govt. of West Bengal (Road Works) as applicable and the job specifications contained in the Bill of quantities of the tender. In absence of the above, relevant Indian Standards shall be referred to.**

In absence of any Standard / Specification / Code of Practice covering any part of the work related to this tender, instruction / directions of the Engineer will be binding on the contractor.

All works to be done as detailed in the bill of Quantities.

- (iii) Samples of materials to be supplied and used by the Contractor in the works shall be subject to the prior approval of the Engineer. For this purpose, the contractor shall furnish in advance, representative samples in quantities and in the manner as directed by the Engineer for his approval.
- (iv) Materials brought to the site, which in the opinion of the Engineer do not conform to the approved sample, shall, and if so directed by him, be removed by the contractor within 24 hours at his own cost from the site and replaced by materials of approved quality at no extra cost.
- (v) The contractor shall produce manufacturer's test certificates for the materials procured by him. The Engineer may carry out or order any test on any of the materials as he may decide. The contractor shall, at his cost and expense, supply requisite materials for this purpose and render such assistance to the Engineer as he may require. The cost of testing will be borne by the Contractor. Further, if and as required by the Engineer, the contractor shall get the materials tested from approved laboratories at his expense and produce the test certificates for the inspection of the Engineer.
- (vi) If the Engineer is of the opinion that the materials are not suitable for use on the works; he may reject the consignment, notwithstanding the Manufacturer's certificates. The Engineer's decision regarding the suitability of materials brought to site for use in the works shall be final and binding on the contractor,

who shall remove the rejected materials from site and replace them with materials of required quality.

- (vii) In spite of approval of the Engineer of any material brought to the site, he may subsequently reject the same if in his opinion the materials has since deteriorated due to long or defective storage or for any reason whatsoever and is thereby considered unfit for use in the permanent works. Any material thus rejected shall be immediately removed from the site at contractor's cost and expense.
- (viii) All materials bought to the site shall be properly stored and preserved to ensure their quality and fitness during the course of their use in work. If the storage arrangements are not to the Engineer's satisfaction, he may direct the contractor for arranging proper storage to which the contractor shall have to comply. The materials shall be stored in adequate quantities well in advance to meet the construction schedule and shall be guarded in the manner directed by the Engineer and to his satisfaction.
- (ix) All materials used in the works shall be of the best kind and to the approval of the Engineer's Representative. The materials supplied and the workmanship shall satisfy the relevant clauses as given below and in the Bill of Quantities of the tender.

#### 6.7. **Materials**

##### (i) **Cement**

Unless specifically mentioned otherwise the cement to be used in the Works shall be OPC/PPC/PSC of Grade 53/43 conforming to IS: 12269 / IS: 8112 or cement conforming to IS: 455/IS1489 or grades approved by the Engineer. The source of supply shall be subject to prior approval of the Engineer. The Contractor shall endeavour to get approval of at least two makes / sources, so as to have an alternative make / source in hand in case of disruption in supply from the other make / source.

Once the quality and make of cement to be used in the Works is approved the Contractor shall endeavour to obtain further supplies from the same source and make. The Contractor should be prepared to furnish Manufacturer's test certificate as and when required to do so by the Engineer.

For each delivery of cement to the Site the Contractor shall forward to the Engineer a certificate to the effect that such cement was tested and analysed at the Factory and the results of such tests and analysis meet the specifications stipulated in the relevant Indian Standards. The supplier shall also furnish the date of manufacture of the lot from which the contractor has drawn the consignment.

Notwithstanding the provisions of certificate as stated above, each consignment of cement may after delivery on site and at the discretion of the Engineer be subjected to part or whole of the tests and analyses required by relevant IS Codes. Cost of all such tests shall be borne by the Contractor. No

cement shall be used in the works until the Engineer has accepted it as satisfactory.

Storage space shall be adequate to store the required quantity of cement to suit the concreting program for the entire work as well as to permit proper storage.

Cement shall be stored in a proper manner in suitable dry and waterproof sheds to prevent damage from weather or improper storage. Where cement in bags are stacked, the stacking shall be at least 10 to 20 cms above the floor with at least a space of 60 cms kept all round between exterior walls and the stacks. The height of the stacks shall not be more than 10 bags. Further safeguards shall be undertaken in monsoon such as covering the stacks with polythene sheets.

The cement storage at site shall be at Contractor's expense and risk. Damage, if any, occurring to cement due to faulty storage, shall be the liability of the Contractor.

Any consignment or part of a consignment of cement which has deteriorated in any way or which does not otherwise comply with the specifications shall not be used in the Works and shall be removed from the Site by the Contractor at no extra cost to the Employer. Storage of cement shall be such as to permit easy identification of the different consignments stored. Records must be maintained by the Contractor showing the date-wise receipts with consignment numbers, amounts used and the balance.

Removal of cement from storage sheds for use in the Works shall be on "First in, First out" basis.

(ii) **Water**

Water used for mortars, grout, concrete, curing and for other purposes on the Works, shall be clean and free from deleterious materials such as acids, alkalis, salts, vegetable or organic matters in injurious quantities. Potable water, in general, shall be used.

(iii) **Course Aggregate**

Stone aggregates required for works or aggregate for cement concrete (Plain or reinforced) shall be hard, of uniform and fine texture, free from faults or planes of weakness and free from weathered faces. These must also be free from loam, clay, free from organic matter or other impurities. The materials shall be stacked at roadside lands or other lands (as directed by the Engineer's Representative) in specified heights without causing inconvenience to traffic and in such a way as to afford maximum facilities of work. Aggregates for Cement concrete work should conform to IS: 383. Physical requirements and grading of aggregates for pavement courses shall be as specified for particular type of work and as described in P.W.D. (Roads) and the job specifications contained in the Bill of Quantities of the tender. Only stones as is available from quarries in Pakur areas will be normally used.

All coarse aggregate for concrete works must be well graded. These shall be screened for removal of dust and if so necessary in the opinion of the Engineer's Representative, shall be washed at the cost and expense of the contractor.

(iv) **Fine Aggregate**

All sand shall be clean, sharp and free from clay, loam, organic or any other foreign matter and shall be obtained from the approved source. The contractor shall get the sample of sand to be used in different kinds of work approved by the Engineer before using the same in work. Sand that in the opinion of the Engineer is dirty must be washed to his satisfaction at the cost and expenses of the contractor. Sand for cement concrete work must be Zone-II sand. The sand shall pass through a mesh, 4.75 mm square measured in the clear. Sand shall not be used for concrete works if it contains more than 10% of fine grains passing through a 76 mesh sieve as used for cement test, nor should the fineness modulus be less than 2.00 unless specific permission is obtained from the Engineer's Representative, (ii) Medium sand may be used for cement mortar for masonry plaster etc. (iii) Sand filling in bed shall be done with Zone-III brown sand or as specified in the Bill of Quantities. The gradation of sand as per IS-383 is given below:-

IS SEIVES	PERCENTAGE FOR PASSING ZONE-I	PERCENTAGE FOR PASSING ZONE-II	PERCENTAGE FOR PASSING ZONE-III	PERCENTAGE FOR PASSING ZONE-IV
10 mm	100	100	100	100
4.75 mm	90-100	90-100	90-100	95-100
2.36 mm	60-95	75-100	85-100	95-100
1.18 mm	30-70	55-90	75-100	90-100
600 micron	15-34	35-59	60-79	80-100
300 micron	5-20	8-30	12-40	15-50
150 micron	0-10	0-10	0-10	0-15

(v) **Bricks:**

All bricks shall be of approved quality of standard specifications, made of good brick earth, uniform deep red, cherry or copper colour, thoroughly burnt in kiln (machine made) without being vitrified, regular in shape and size, sound, hard, homogeneous in texture, true to shape and of standard dimension and shall be free from cracks, chips, flaws, stones or humps of any kind and shall not show appreciable signs of efflorescence either dry or subsequent to soaking in water. The Bricks shall emit a clear ringing sound on being struck and have minimum crushing strength of 105 kg/sq.cm. All the bricks which absorb water more than 20% of their own dry weight after 24 Hours immersion in cold water shall be rejected.

(vi) **Steel**

All steel shall be clean and free from loose mill scales, dust, loose rust and coats of paints, oil or other coatings. Any scale or loose rust shall be removed before use, even though the same may have been supplied by the Department without any claim for extra charge for the same. No steel excepting those supplied by the Department or approved by the Engineer-in-Charge shall be used in work or brought to site by the contractor.

(vii) **Timber**

All timber shall be of best quality well-seasoned and/or well-treated for preservation and protection against decay etc. It shall be uniform in substance, straight in fibre, free from large or dead knots, sap, flaws, sun cracks, shakes or blemishes of any kind. Any insect damage or splits across the grain shall not be permissible. The colour of the timber shall be uniform throughout, firm and shining with a silky luster when planed and shall not emit dull sound when struck.

(viii) **Glass**

All glasses shall be of the specified type, colour visibility and sound and shall be free from cracks, flaws. Spick bubbles and blemishes and shall not weigh less than 7.4 kg/sqm unless otherwise specified.

(ix) **Paints etc.**

All paints shall be delivered in strong containers, marked with the colour of the paint, brand, volume of paint content in litres and of the best quality of approved make and brand as approved by the Engineer-in-Charge. Under no circumstances shall the paint be diluted with Linseed oil or otherwise. Any paint or enamel although of approved brand, which so hardens in the container that it cannot be readily broken up with a stirrer to a smooth uniform painting consistency, shall be rejected. Any paint or enamel too thick for proper brush application shall be rejected.

6.8. **Storage of Materials**

- (i) (a) All materials shall be stored in accordance with the provisions of given hereunder and other relevant IS Specifications. All efforts must be made to store the materials in proper places so as to prevent their deterioration or contamination by foreign matter and to ensure their satisfactory quality and fitness for the work. The platform where aggregates are stockpiled shall be appropriately made. The area shall have slope and drain to drain off rain water. The storage space must also permit easy inspection, removal and storage of the materials. Aggregates of different sizes shall be stored in partitioned stack-yards. All such materials even though stored in approved godowns must be subjected to acceptance test as per these specifications immediately prior to their use.
- (b) **General:-**



All materials may be stored at proper places so as to prevent their deterioration or intrusion by foreign matter and to ensure their satisfactory quality and fitness for the work. The storage space must also permit easy inspection, removal and re-storage of the materials. All such materials even though stored in approved godowns/places, must be subjected to acceptance test prior to their immediate use.

(c) **Aggregate:-**

Aggregate stockpiles may be made on ground that is denuded of vegetation, is hard and well drained. If necessary, the ground shall be covered with 50 mm plank. Coarse aggregates, unless otherwise agreed by the Engineer in writing, 20 mm and downgraded Pakur variety stone chips. Aggregates placed directly on the ground shall not be removed from the stockpile within 30 cm. of the ground until the final cleaning up of the work, and then only the clean aggregate will be permitted to be used.

In the case of fine aggregates, these shall be deposited at the mixing site not less than 8 hours before use and shall have been tested and approved by the Engineer.

(d) **Cement:-**

Cement shall be transported, handled and stored on the site in such a manner as to avoid deterioration or contamination. Cement shall be stored above ground level in perfectly dry and water-tight sheds and shall be stacked not more than eight bags high. Wherever bulk storage containers are used their capacity should be sufficient to cater to the requirement at site and should be cleaned at least once every 3 to 4 months.

Each consignment shall be stored separately so that it may be readily identified and inspected and cement shall be used in the sequence in which it is delivered at site. Any consignment or part of a consignment of cement which had deteriorated in any way, during storage, shall not be used in the works and shall be removed from the site by the Contractor without charge to the Employer.

The Contractor shall prepare and maintain proper records on site in respect of delivery, handling, storage and use of cement and these records shall be available for inspection by the Engineer at all times.

The Contractor shall make a monthly return to the Engineer on the date corresponding to the interim certificate date, showing the quantities of cement received and issued during the month and in stock at the end of the month.

(e) **Water:-**

Water shall be stored in containers/tanks covered at top and cleaned at regular intervals in order to prevent intrusion by foreign matter or growth of organic matter. Water from shallow, muddy or marshy surface shall not be permitted. The intake pipe shall be enclosed to exclude silt, mud, grass and other solid

materials and there shall be a minimum depth of 0.60 m of water below the intake at all times.

**C. General Requirements :**

- 6.9. In connection with the aforesaid work, all materials, will be under the custody of the Contractor, till completion of work and commissioning of the same.
- 6.10. In connection with aforesaid work, transportation and handling of all materials, welding, etc. should be done by the Contractor at their own risk, cost and arrangement.
- 6.11. The Contractor must make their own arrangements for delivery of all materials, as well as for careful and proper unloading at H.D.C.'s site. The responsibility for preventing damage / deterioration to the materials during transit, delivery, unloading at the designated point shall rest with the Contractor. All transit risk will be to Contractor's account.
- 6.12. The Contractor should arrange, at their own cost, all necessary tools, tackles, lifting machineries, scaffolding, temporary lighting, different vehicular transport etc., required for the execution of total work.
- 6.13. No project surplus material will be taken over by HDC, SMP, Kolkata after completion of the work unless otherwise specified.
- 6.14. All materials required for the entire work should be as per latest Indian Standard (IS) issued by Bureau of Indian Standard, as applicable, if not specified otherwise in this Bidding Document.
- 6.15. The supply, installation and commissioning of all items required for this work should be complied with the above Acts & Rules and relevant Code of Practice of the **Bureau of Indian Standard**, if not specified otherwise.
- 6.16. If during execution of work any damage takes place in the property of HDC, the same will have to be mended good by the contractor at their risk, cost and arrangement.
- 6.17. Relevant aspects of following Rules / Code of Practices should also be followed and complied with:
  - Indian Factories Act
  - Dock Workers (Safety, Health & Welfare) Act, 1987
  - The Workmen's Compensation Act, 1923
  - The Minimum Wages Act, 1948
  - The Contract Labour (Regulation & Abolition) Act, 1970
  - Other Local Regulations

## **SECTION - VII**

### **TECHNICAL SPECIFICATION FOR BITUMINOUS ROAD WORKS**

#### **7.1 GENERAL**

7.1.1. The specifications and mode of measurements for all the works mentioned in this tender shall be in accordance with P.W.D (Road & Bridges) 2018 specifications. Unless otherwise specified in the nomenclature of individual item or in the specifications, the entire work shall be carried out as per the P.W.D specification with upto date correction slips upto the date of opening of tender.

7.1.2. For Items not covered under PWD specifications mentioned above, the work shall be executed as per “Specifications for Road & Bridge Work” published by Ministry of surface transport, “Hill Road Manual” (IRC:SP:48-1998) published by the Indian Road Congress, and as per relevant standards/codes published by BIS (formerly ISI) inclusive of all amendments issued thereto or revision thereof, if any, upto the date of opening Tender.

7.1.3. In case of BIS (formerly I.S.I) codes/specifications are not available, the decision of the Engineer based on acceptable sound engineering practice and local usage shall be final and binding on the contractor.

7.1.4. The rates for different items of work shall be for all heights, lifts, leads and depths except where otherwise specified in the item of work or in additional conditions appended with the tender.

7.1.5. The work shall be carried out in accordance with the approved drawings. The drawings shall have to be properly co-related before executing the work. In case of any difference noticed between the drawings, final decision, in writing of the Engineer shall be obtained by the contractor. For items, where so required, samples shall be prepared before starting the particular items of work for prior approval of the Engineer and nothing extra shall be payable on this account.

7.1.6. Unless otherwise specified in the bill of quantities, the rates for the items of work shall be considered as inclusive of pumping out or bailing out water if required for which no extra payment will be made. This will include water encountered from any source such as rains, floods, sub-soil water table being high due to any other cause whatsoever.

7.1.7. Any cement slurry added over base surface (or) for continuation of concreting for bond is added its cost is deemed to have in built in the item unless otherwise/explicitly stated and nothing extra shall be payable or extra cement considered with consumption on this account.

7.1.8. The rates for all items in which the use of cement is involved are inclusive of charges for curing.

7.1.9. The contractor shall clear the site thoroughly of all scaffolding materials and rubbish etc. left out of his work and dress the side to the satisfaction of the Engineer before the work is considered as complete.

7.1.10. The rate quoted for all brick /concrete work shall be deemed to include making openings and making good these with the same specifications as shown in drawings and / or as directed. No extra payment shall be made to the contractor on this account.

7.1.11. The drawing(s) attached with the tender documents are for the purpose of tender only, giving the tenderer a general idea of the nature and the extent of works to be executed. The rates quoted by the tenderer shall be deemed to be for the execution of works taking into account the “Design Aspect” of the items and in accordance with the “Construction Drawings” to be supplied to the Contractor during execution of the works.

7.1.12. The quoted rate shall be for finished items and shall be complete in all respects including the cost of all materials, labour, tools & plants, machinery etc., all taxes, duties, levies, octroi, royalty charges, statutory levies, cess etc. applicable from time to time and any, other item required but not mentioned here involved in the operations described above. EPI shall not be supplying any materials, labour, plant etc. unless explicitly mentioned so

7.1.13. Gradient of road shall be as per approved drawing and as per direction of Engineer –in-Charge.

## 7.2 **MATERIALS**

### 7.2.1 **Stone Aggregate**

For WBM construction stone metal grade II of hard granite or equivalent as approved by Engineer-in-Charge shall be used. River borne or weathered stone metal shall not be used for the work. The stone metal and aggregates shall not be obtained from the rock which has been exposed to atmosphere for a long time. They shall be clean, hard, durable of fairly cubical shape and free from excess flat, elongated, soft & disintegrated particles, fracture, cleavage, dirt & other deleterious materials and organic impurities. The aggregates shall preferable be hydrophobic and low porosity. The aggregates shall satisfy the physical requirements as set forth in Table I.

Table – I (Physical Requirement of Coarse Aggregate)				
Sl. No.	Type of Construction	Type of Construction Test	Test Method	Requirement
1.	Sub-Base	Los Angeles Abrasion Value or Aggregate Impact Value	IS-2386 (Part-IV) IS-2386 (Part-IV) IS-5640***	60% (Maximum) *50% (Maximum)
2.	Base	Los Angeles Abrasion Value or Aggregate Impact Value  Flakiness Index	IS-2386 (Part-IV) IS-2386 (Part-IV) IS-5640*** IS-2386 (Part-I)	50% (Maximum) *40% (Maximum)  **15% (Maximum)
*	Aggregates may satisfy requirements of either of the two tests.			
**	The requirements of flakiness index shall be enforced only in case of crushed / broken stone ..			
***	Aggregates like brick metal, kankar and laterite which get softened in presence of water, shall be tested for impact value under wet conditions in accordance with IS:5640.			

### 7.2.2 **Sand / Stone Dust**

Sand/ Stone dust shall be clean, hard durable, uncoated, dry and free from injurious soft or flaky pieces and organic or deleterious substances. Quality of sand/ stone dust shall conform to IS: 383.

### 7.2.3. **Supply and stacking of materials Stone metal, boulder, sand, stone dust etc.**

Ground where stacks are proposed to be made shall be cleared, leveled or dressed to a uniform slope and all lumps, depressions etc. shall be removed. The stacked material shall be free from vegetation and other undesirable material. All rejected materials shall be immediately removed from site.

Stone metal and boulder shall be stacked in convenient units of one metre top width, 2.2 m bottom width, 60 cm height and of length in multiples of 3 meter. Template of wood or steel shall be used for making the stack and shall always be kept at site for check measurements.

Sand or stone dust shall be stacked in convenient units of one cum. The stack shall be made with wooden boxes open at both ends and of 2 m x 2 m x 0.25 m dimensions. These boxes shall always be kept at site for stacking and check measurements. The stacks shall be uniformly distributed along the road side and shall be numbered serially. The number plate shall be planted on each stack which shall remain in position until the stack is used in the work.

Sample of materials shall be got approved from Engineer-in-Charge before the material in bulk is brought to the site.

#### 7.2.4 Bitumen

VG-30 Bitumen : VG-30 is primarily used to construct extra heavy duty Bitumen pavements that need to endure substantial traffic loads. It can be used in lieu of 60/70 Penetration grade.

Table 2 : Viscosity Grade (VG) Bitumen Specification As Per IS 73:2006

Characteristics	VG 30
Absolute Viscosity, 60oC, poises, min	2400
Kinematic Viscosity, 135oC, CST, min	350
Flash point, C, min	220
Solubility in trichloroethylene, %, min	99
Penetration at 25oC	50-70
Softening point, C, min	47
Tests on residue from thin film over test / RTFOT:	
i. Viscosity ratio at 60oC, max	4.0
ii. Ductility at 25oC, cm, min, after thin film over test	40

### 7.3 ROLLING:

- 7.3.1 Rolling shall be done by 80 / 100 KN smooth wheeled power roller (3 wheel or tandem) or vibratory roller of 80 – 100 KN static weight. Rolling shall start as soon as possible after the materials have been spread, deploying a set of rollers as the rolling is to be completed in limited time frame. Rolling shall be done with care to avoid unduly roughening of the pavement surface. The roller shall move at a speed not more than 5 km / hour.

Rolling of longitudinal joints shall be done immediately behind the paving operation. After this the rolling shall commence at the edges and progress towards the centre longitudinally, except that on super elevated and uni-directional cambered portions, where the rolling shall proceed from inner edge to the outer parallel to the centre line of the Pavement. First the edge / edges shall be compacted with roller running forward and backward. The roller shall then move inward parallel to the centre line of the road, in successive passes uniformly lapping preceedings tracks by at least one-half width of WBM.

When the roller has passed over the whole area once, any high spots or depressions which become apparent shall be corrected by removing or adding mix material. The rolling shall be continued till the entire surface has been rolled to 95% of the Proctor's density, there is no crushing of aggregates and all roller marks have been eliminated. Roller shall not stand on newly laid material while there is a risk that surface will be deformed thereby.

#### 7.3.2 Time Schedule for Rolling Operations

The minimum duration for rolling shall be governed by the guidelines set forth in Table-3. However, Engineer-in-Charge shall have the full authority to increase the duration to an extent as he may deem necessary, to satisfy himself that the compaction must comply with the specifications.

Table-3

Sl. No.	Items	Duration	Surface Area / Volume
1.	Preparation of Sub-grade	1 hour	200 sqm
2.	75 mm thick WBM with Stone Metal Grade – II	1 hour	50 sqm

#### 7.3.3 Rates

The contract unit rate for the work shall be payment in full for carrying out the required operations including full compensation for

- (i) Making arrangements for traffic to Clause 112 of 'Specifications for Road & Bridge Works' published by Ministry of Surface Transport except for initial treatment to verge, shoulders and construction of diversion.
- (ii) Preparation of base except for laying of profile corrective course but including filling of pot holes.
- (iii) Providing all materials to be incorporated in the work including the arrangements for stockyard, all royalties, octroi, fees, cess, rents where necessary and all leads and lifts.
- (iv) All labour, tools, equipment, power supply units and all machines incidental to complete the work to the specifications.
- (v) Carrying out the work in part widths of the road, wherever directed.
- (vi) Carrying out all tests for quality control.

#### 7.4 **SURFACE FINISH**

##### 7.4.1 **CONTROL OF ALIGNMENT LEVEL & SURFACE REGULARITY**

###### 7.4.1.1. **General**

All works to be performed shall conform to the lines, grades, cross-sections and dimensions shown on the drawings or as directed by Engineer-in-Charge, subject to the permitted tolerances described hereinafter.

###### 7.4.1.2. **Horizontal Alignment**

Horizontal alignment shall be reckoned with respect to the entire line of the carriageway as shown on the drawings. The edges of the carriageway as constructed shall be correct within a tolerance of +/- 10 mm there from. The corresponding tolerance for edges of the roadway and lower layers of pavement shall be +/- 25 mm.

###### 7.4.1.3. **Surface Levels**

The levels of the sub-grade and different pavement courses as constructed, shall not vary from those calculated with reference to the longitudinal and cross-profile of the road shown on the drawings or as directed by the Engineer-in-Charge beyond the tolerances mentioned in Table-4.

Table-4

1.	Sub-grade	+ 20 mm / - 25 mm
2.	Sub-base	
a)	Flexible Pavement	+ 10 mm / - 20 mm

Provided, however, that the negative tolerance for wearing course shall not be permitted in conjunction with positive tolerance for basic course, if the thickness of the former is thereby reduced by more than 6 mm for flexible pavement and 5 mm for concrete pavements.

###### 7.4.1.4. **Surface Regularity**

The longitudinal profile shall be checked with a 3 metre long straight-edge at the middle of each traffic lane along a line parallel to the centre line of the road.

The maximum allowable difference between the road surface and underside of a 3 m straight-edge when placed parallel with, or at right angles to the centre line of the road at points decided by the Engineer-in-Charge shall be as under:

For WBM Sub-base / Base Course - 8 mm

7.4.1.5. Rectification / Reconstruction of Defective Macadam

Where the surface regularity of sub-grade and the various pavement courses fall outside the specified tolerances, the contractor shall be liable to rectify these at their own cost in the manner described below and to the satisfaction of the Engineer-in-Charge.

7.4.1.6. Sub-Grade

Where the surface is high, it shall be trimmed and suitably compacted. Where the surface is low, the deficiency shall be corrected by scarifying the lower layer and adding fresh material and re-compacting to the required density.

7.4.1.7. WBM (Sub-base / Base Course)

Where the surface is either high or low, the course to its full thickness shall be scarified over the affected area, reshaped with added material or removed and replaced with fresh material and re-compacted to the required density. In no case shall depressions be filled up with screenings or binding material.

7.5 **EARTH WORK**

7.5.1 **EARTH WORK IN FILLING**

Earth work in filling in banks shall be done in layers, each layer not exceeding 15 cm in thickness and should be properly watered to maintain the optimum moisture content. Consolidation of every 3<sup>rd</sup> layer (alternate layer) and the top-most layer should be done with power roller of minimum 80-100 KN capacity and got approved by Engineer-in-Charge before compacting the next layer. Required quantity of earth should be obtained from borrow-pits, the sites of which should necessarily be approved by Engineer-in-Charge. No borrow-pits should be dug within 4.5 m of toe of the final section of the embankment. Necessary witness should be left for the purpose of measurement of quantity of earth excavated and used in embankment. Proper profiles of embankment shall be maintained. Requisite allowance in height varying from 25 – 50 mm as directed by Engineer-in-Charge shall be left for settlement. Side slopes shall be maintained strictly as per drawings.

7.5.1.2. Earthwork in filling shall be measured in compacted volume of finished work in cubic metres.

7.5.2. **EARTH WORK IN EXCAVATION**

7.5.2.1 General

All excavation shall be carried out in conformity with the lines, grades, side slopes and levels shown on the drawings or as directed by the Engineer-in-Charge. The contractor shall not excavate outside the limits of excavation. After excavation, the sides of excavated area shall be trimmed and the area contoured to minimize erosion and ponding, allowing for natural drainage to take place.

Rock, when encountered in road excavation, shall be removed upto the formation level. Rocks and large boulders which are likely to cause differential settlement and also local drainage problems should be removed to the extent of 500 mm below the formation level in full formation width.

7.5.2.2. Disposal of Excavated Materials

All the excavated materials shall be the property of the Employer. The materials obtained from excavation shall be used for filling in the adjacent embankments as directed by the Engineer-in-Charge. All hard rocks, not intended for use shall be stacked neatly on specified land as directed by the Engineer-in-Charge.

Unsuitable and surplus materials not intended for use shall be transported and disposed clear of the site as directed by the Engineer-in-Charge.

## **7.6 PREPARATION OF SUB-GRADE**

The optimum moisture content should always be maintained by sprinkling requisite quantity of water in order to keep the sub-grade in established condition in accordance with the direction of Engineer-in-Charge. The sub-grade must not be allowed to become dry and break-up for want of cohesion. The final sectioning should be done to proper camber, gradient and super elevation with the help of template and strings. The dressed surface should be properly consolidated by rolling with power road roller of minimum 80-100 KN capacity.

## **7.7 WATER BOUND MACADAM (SUB – BASE / BASE COURSE)**

### **7.7.1. SCOPE**

This work shall consist of clean, crushed aggregates mechanically interlocked by rolling and bonding together with screening, binding material where necessary and water laid on a properly prepared sub grade and finished in accordance with the requirements of these specifications and in close conformity with the lines, grades, cross-sections and thickness as per approved plans or as directed by Engineer-in-Charge.

It is not desirable to lay Water Bound Macadam on an existing thin black topped surface without providing adequate drainage facility for water that would get accumulated at the interface of existing bituminous surface and WBM.

### **7.7.2. MATERIALS**

#### **7.7.2.1 Coarse Aggregate**

Coarse Aggregates shall conform to the grading requirement as set forth in Table – 5

Table – 5

Size of Aggregate	IS Sieve Designation	% by Weight Passing IS Sieve
Grade – II (53 mm to 22.4 mm)	63 mm	100
	53 mm	95-100
	45 mm	65-90
	22.4 mm	0-10
	11.2 mm	0-5

#### **7.7.2.2. Stone Screenings**

Screening to fill voids in the coarse aggregates shall generally consist of the same material as the coarse aggregate. Screening shall conform to the grading requirements as set forth in Table – 6.

Table – 6

Size of Screenings	IS Sieve Designation	% by Weight Passing IS Sieve
11.2 mm	11.2 mm	100
	9.5 mm	80-100
	5.6 mm	50-70
	180 micron	5-25



### 7.7.2.3. Proportioning of Materials

Approximate quantities of coarse aggregate and stone screenings required for Water Bound Macadam base / sub-base course shall be as mentioned in Table-7.

Table - 7  
(Quantity for 10 Sqm Area)

Classifi- cation	Size / Range	Compacted Thickness	Loose Quantity	Stone Screening		Crushable Type Such as Moorum or Gravel (Loose Qty)
				Grading Classification & Size	For WBM Sub-base / Base Course (Net Quantity)	
Grade – II	53 mm – 22.4 mm	75 mm	0.91 to 1.07 m <sup>3</sup>	Type-B (11.2 mm)	0.18 to 0.21 m <sup>3</sup>	0.22 to 0.24 m <sup>3</sup>

\*The above mentioned quantities should be taken as a guide only, for estimation of quantities for construction etc.

\*Application of binding materials may not be necessary when the screenings used are of crushable type such as moorum or gravel.

### 7.7.3. CONSTRUCTION OPERATIONS

#### 7.7.3.1 Preparation of Base

The surface of the sub grade / sub-base base to receive the Water Bound Macadam course shall be prepared to the specified lines grades & camber and made free of dust and other extraneous material. Any soft yielding places shall be corrected in an approved manner and rolled until firm surface is obtained if necessary by sprinkling water. Any sub-base/base/surface irregularities, where predominant shall be made good by providing appropriate type of profile corrective course (leveling course)

#### 7.7.3.2 Spreading Coarse Aggregates

The coarse aggregate shall be spread uniformly and evenly upon the prepared sub-grade to proper profile by using templates placed across the road about 6m apart in such quantities that the thickness of each compacted layer is not more than 100mm for Grade-I and 75 mm for Grade-II. Wherever possible, approved mechanical devices such as aggregate spreader shall be used to spread the aggregates uniformly so as to minimize the need for manual rectification afterwards.

The surface of the aggregates spread shall be carefully checked with templates and all high or low spots remedied by removing or adding aggregates as may be required. The surface shall be checked frequently with a straight-edge while spreading and rolling so as to ensure a finished surface as per approved drawings.

The coarse aggregates shall not normally be spread more than 3 days in advance of the subsequent construction operations.

#### 7.7.3.3 Rolling

Immediately following the spreading of the coarse aggregates, rolling shall be started with three wheeled Power Roller of 80-100 KN capacity or Vibratory Rollers of 80-100 KN static weight. The type of roller to be used shall be approved by the Engineer-in-Charge based on trial run Rolling shall be discontinued when the aggregates are partially compacted with sufficient void space in them to permit the application of stone screenings.

The rolled surface shall be checked transversely and longitudinally, with templates and any irregularities corrected by loosening the surface, adding or removing necessary amount of aggregates and re-rolling until the entire surface conforms to desired grade and camber. In no case shall the use of screenings be permitted to make up depressions. Material which gets crushed excessively during compaction or becomes segregated shall be removed and replaced with suitable aggregates.

#### 7.7.3.4 Application of Screenings

After the coarse aggregate has been rolled completely, screenings to completely fill the interstices shall be applied gradually over the surface. These shall not be damp or wet at the time of application. Dry rolling shall be done while the screenings are being spread so that vibrations of the roller cause them to settle into the voids of the coarse aggregates. The screenings shall not be dumped in piles but be spread uniformly in successive thin layers either by the spreading motions of hand shovels or by mechanical spreaders.

The screenings shall be applied at a slope and uniform rate (in three or more applications) so as to ensure filling of all voids. This shall be accompanied by dry rolling and brooming with mechanical or hand brooms.

#### 7.7.3.5 Sprinkling of Water and Grouting

After the screenings have been applied the surface shall be copiously sprinkled with water swept and rolled. Hand brooms shall be used to sweep the wet screenings into voids and to distribute them evenly. The sprinkling, sweeping and rolling operations shall be continued, with additional screenings applied as necessary until the coarse aggregate has been thoroughly keyed, well bonded and firmly set in its full depth and a grout has been formed of screenings. Care shall be taken to see that the base or sub-grade does not get damaged due to the addition of excessive quantity of water during construction.

#### 7.7.3.6 Application of binder Material (Moorum / Stone Dust)

After the application of stone screening the binding material where it is required to be used shall be applied successively in two or more thin layers at a slow and uniform rate. After each application, the surface shall be copiously sprinkled with water, the resulting slurry swept in with hand brooms or mechanical brooms to fill the voids properly and rolled during which water shall be applied to the wheels of the roller if necessary to wash down the binding material sticking to them. These operations shall continue until the resulting slurry after filling of voids forms a wave ahead of the wheels of the moving roller.

#### 7.7.3.7 Setting and Drying

After the final compaction of Water Bound Macadam course the pavement shall be allowed to dry overnight. Next morning hungry spots shall be filled with screenings or bending materials as directed, lightly sprinkled with water if necessary and rolled. No traffic shall be allowed on the road until the macadam has set.

#### 7.7.3.8 Measurement for Payment

Water Bound Macadam shall be measured as finished work in cubic meters.

### 7.8. TACK COAT

#### 7.8.1 SCOPE

The work shall consist of the application of a single coat of low viscosity liquid bituminous material to existing bituminous, cement concrete or primed granular surface preparatory to the superimposition of a bituminous mix, when specified in the Contract or as instructed by the Engineer. The work shall be carried out on a previously prepared surface in accordance with Clause 501.8 of MORT&H.

#### 7.8.2 MATERIALS

The binder used for tack coat shall be Cationic bitumen emulsion (RS 1) complying with IS:8887. The use of cutback bitumen RC:70 as per IS:217 shall be restricted only for sites at sub-zero temperatures or for emergency applications as directed by the Engineer. The type and grade of binder for tack coat shall be as specified in the Contract or as directed by the Engineer.

#### 7.8.3 WEATHER AND SEASONAL LIMITATIONS

Bituminous material shall not be applied during a dust storm or when the weather is foggy, rainy or windy or when the temperature in the shade is less than 10°C. Where the tack coat consists of emulsion, the surface shall be slightly damp, but not wet. Where the tack coat is of cutback bitumen, the surface shall be dry.

#### 7.8.4 CONSTRUCTION

##### 7.8.4.1 Equipment

The tack coat shall be applied by a self-propelled or towed bitumen pressure sprayer, equipped for spraying the material uniformly at a specified rate. Hand spraying shall not be permitted except in small areas, inaccessible to the distributor, or narrow strips, shall be sprayed with a pressure hand sprayer, or as directed by the Engineer.

##### 7.8.4.2 Preparation of Base

The surface on which the tack coat is to be applied shall be clean and free from dust, dirt, and any extraneous material, and be otherwise prepared in accordance with the requirements of Clauses 501.8 of MORT&H. The granular or stabilized surfaces shall be primed as per Clause 502 of MORT&H. Immediately before the application of the tack coat, the surface shall be swept clean with a mechanical broom, and high pressure air jet, or by other means as directed by the Engineer.

##### 7.8.4.3 Application of Tack Coat

The application of tack coat shall be at the rate specified in Table 500-5, and it shall be applied uniformly. If rate of application of Tack Coat is not specified in the contract, then it shall be the rate specified in Table 500-5. No dilution or heating at site of RS1 bitumen emulsion shall be permitted. Paving bitumen if used for tack coat shall be heated to appropriate temperature in bitumen boilers to achieve viscosity less than 2 poise. The normal range of spraying temperature for a bituminous emulsion shall be 20°C to 70°C and for cutback, 50°C to 80°C. The method of application of tack coat will depend on the type of equipment to be used, size of nozzles, pressure at the spray bar, and speed or forward movement. The Contractor shall demonstrate at a spraying trial, that the equipment and method to be used is capable of producing a uniform spray, within the tolerances specified.

**Rate of Application of Tack Coat (Table 500-5 of MORT&H)**

<b>Type of Surface</b>	<b>Rate of Spray of Binder in Kg per sq. m</b>
Bituminous surfaces	0.20-0.30
Granular surfaces treated with primer	0.25-0.30

#### 7.8.4.4 Curing of Tack Coat

The tack coat shall be left to cure until all the volatiles have evaporated before any subsequent construction is started. No plant or vehicles shall be allowed on the tack coat other than those essential for the construction.

### **7.9.0 BITUMINOUS MACADAM**

#### 7.9.1 SCOPE

This work shall consist of construction in a single course having 100 mm thickness or in multiple courses of compacted crushed aggregates premixed with a bituminous binder on a previously prepared base to the requirements of these Specifications. Since the bituminous macadam is an open-graded mix, there is a potential that it may trap water or moisture vapour within the pavement system. Therefore, adjacent layer (shoulders) should have proper drainage quality to prevent moisture-induced damage to the BM.

#### 7.9.2 MATERIALS

##### 7.9.2.1 Coarse Aggregate

The coarse aggregates shall consist of crushed rock, crushed gravel or other hard material retained on 2.36 mm sieve. It shall be clean, hard, durable and cubical shape, free from dust and soft organic and other deleterious substances. The aggregate shall satisfy the physical requirements specified in Table 500-6. Where crushed gravel is proposed for use as aggregate, not less than 90 percent by weight of the crushed material retained on 4.75 mm sieve shall have at least two fractured faces resulting from crushing operation. Before approval of the source, the aggregates shall be tested for stripping. Where the Contractor's selected source of aggregates have poor affinity for bitumen, as a condition for the approval of that source, the bitumen shall be treated with approved anti-stripping agents, as per the manufacturer's recommendations, without additional payment.

##### 7.9.2.2 Fine Aggregates

Fine aggregates shall consist of crushed or naturally occurring mineral material, or a combination of two, passing 2.36 mm sieve and retained on 75 micron sieve. It shall be clean, hard, durable, free from dust and soft organic and other deleterious substances. Natural sand shall not be used in the binder course. The physical properties of the fine aggregates shall conform to Table 32 of PWD Schedule (Roads & Bridges) 2018.

##### 7.9.2.3 Aggregate Grading and Binder Content

The combined grading of the coarse aggregates and fine aggregates, when tested in accordance with IS:2386 Part 1, wet sieving method, shall conform to limits given in Table 500-8 of MORT&H. The type and quantity of bitumen and appropriate thickness is also given in Table 500-7 of MORT&H.

##### 7.9.2.4 Proportioning of Material

The combined aggregate grading shall not vary from the lower limit on one sieve to the higher limit on the adjacent sieve to avoid gap grading. The aggregate may be proportioned and blended to produce a uniform mix complying with the requirements in Table 500-7 of MORT&H. The binder content shall be within a tolerance of  $\pm 0.3$  percent by weight of total mix when individual specimens are taken for quality control tests in accordance with the provisions of Section 900.

#### 7.9.3 CONSTRUCTION OPERATIONS

##### 7.9.3.1 Preparation of Base

The base on which bituminous macadam is to be laid shall be prepared, shaped and compacted to the required profile in accordance with Clauses 501.8 and 902.3 of MORT&H as appropriate, and a prime coat, shall be applied in accordance with Clause 502 where specified, or as directed by the Engineer. The surface shall be thoroughly swept clean by a mechanical broom, and the dust removed by compressed air. In locations where mechanical broom cannot get access, other approved methods shall be used as directed by the Engineer.

#### 7.9.3.2. Tack Coat

A tack coat in accordance with Clause 503 of MORT&H shall be applied as required under the Contract or as directed by the Engineer.

#### 7.9.3.3 Preparation and Transportation of the Mix

The provisions of Clauses 501.3 and 501.4 of MORT&H shall apply.

#### 7.9.3.4 Spreading

The provisions of Clause 501.5.3 of MORT&H shall apply.

#### 7.9.3.5 Rolling

Compaction shall be carried out in accordance with the provisions of Clauses 501.6 and 501.7 of MORT&H. Rolling shall be continued until the specified density is achieved, or where no density is specified, until there is no further movement under the roller. The required frequency of testing is defined in Clause 903.

### **7.10. PREMIX SURFACING USING CATIONIC BITUMEN EMULSION**

#### 7.10.1 SCOPE

This work shall consist of the preparation, laying and compaction of an open graded premix surfacing of 20 mm thickness composed of small-sized aggregate premixed with a cationic bitumen emulsion on a previously prepared surface, in accordance with the requirements of these Specifications to serve as a wearing course.

#### 7.10.2. MATERIALS

##### 7.10.2.1 Binder

The binder for Premix wearing course shall be Cationic Bitumen emulsion of Medium Setting (MS) grade complying with IS:8887 or as specified in the Contract.

##### 7.10.2.2 Aggregate

The requirements of Clause 511.1.2.2 of MORT&H shall apply.

##### 7.10.2.3 Proportioning of Materials

The materials shall be proportioned as per quantities given in Tables 500-24 of MORT&H.

#### 7.10.3. CONSTRUCTION OPERATIONS

##### 7.10.3.1 Weather and Seasonal Limitations

Clause 501.5.1 shall apply except that the minimum air temperature for laying shall be 10°C. Cationic bitumen emulsions shall not normally be stored below 0°C.

#### 7.10.3.2 Preparation of Surface

The underlying surface on which the premix surfacing is to be laid shall be prepared, in accordance with the requirements of Clause 504.3.2 for a newly primed surface, and in accordance with Clause 505.4.2 where an existing bituminous surface is to be overlaid.

#### 7.10.3.3 Preparation of Binder

Before opening, the cationic bitumen emulsion drums shall be rolled at a slow speed, to and fro at least 5 times, for a distance of about 10 metres, to distribute any storage sedimentation.

#### 7.10.3.4. Tack Coat

A tack coat complying with Clause 503, shall be applied over the surface preparatory to laying of the surfacing where specified in the Contract, as directed by the Engineer.

#### 7.10.3.5 Preparation of Premix

Premixing of cationic bitumen emulsion and aggregates can be carried out in a suitable mixer such as cold mixing plant as per IS:5435 (Revised) or concrete mixer or by pay loaders in exceptional cases where approved by the Engineer. Where specified in the Contract, continuous mixing operation shall be done either in batch or continuous hot mix plant suitable for emulsion mixes.

When using concrete mixer for preparing the premix, 0.135 cu.m (0.09 cu.m of 13.2 mm size and 0.045 cu.m of 11.2 mm size) of aggregates per batch shall be used. This quantity will be for 5 sq.m of road surface with 20 mm average thickness. The aggregates required for one batch shall be prepared adjacent to the mixer.

The coarse aggregate of 13.2 mm size shall be placed into the mixer followed by 5 to 6.5 kg of Cationic bitumen emulsion and then the 11.2 mm size aggregate shall be added, followed by 5 to 6.5 kg of Cationic bitumen emulsion. After the materials have been mixed thoroughly, the mix shall be immediately transported to the laying site in suitable vehicles. Too much mixing shall be avoided.

#### 7.10.3.6. Spreading and Rolling

The premixed cationic bitumen emulsion and aggregates shall be spread uniformly by a paver within 10 minutes of applying the tack coat. All levelling, raking etc. should be completed within 20 minutes of the time of mixing. The mix shall be spread uniformly to the desired thickness, grades and crossfall (camber). The crossfall shall be checked by means of camber boards and irregularities levelled out. Too much raking is to be avoided.

The rolling shall start immediately after laying the premix. A smooth wheeled tandem roller of 8-10 tonnes shall be used, unless other compaction methods are approved by the Engineer, based on the results of laying trials, if necessary. While rolling, wheels of roller should be clean and kept moist to prevent the premix from adhering to the wheels. In no case shall fuel/ lubricating oil be used for this purpose. Use of water for this purpose shall be strictly limited to an absolute minimum.

Rolling shall commence at the edges and progress towards the centre longitudinally except in the case of superelevated and uni-directionally cambered sections where rolling shall be carried out from the lower edge towards the higher edge parallel to the centre line of the road. After one pass of roller over the whole area, depressions or uncovered spots should be corrected by adding premix material. Rolling shall be continued until the entire surface has been rolled, to maximum compaction and all the roller marks eliminated. In each pass of the roller, the preceding track shall be overlapped uniformly by at least one-third width. Roller(s) shall not stand on newly laid material. Joints, both longitudinal and transverse to the road sections laid and compacted earlier, shall be cut vertically to their full depth so as to expose fresh surface which shall be painted with a thin coat of binder before the new mix is laid.

#### 7.10.3.7. Seal Coat

A seal coat, conforming to Clause 511, as specified in the Contract, shall be applied immediately after laying the premix carpet.

#### 7.10.3.8. Opening to Traffic

Traffic should not be allowed over the premix surface till seal coat is laid. After the seal coat is laid, traffic may be allowed in accordance with Clause 511.4.

#### 7.10.3.9 Surface Finish and Quality Control

The surface finish of construction shall conform to the requirements of Clause 902. For control of the quality of materials and work carried out, relevant provision of Section 900 shall apply.

#### 7.10.3.10 Arrangements for Traffic

During the period of construction, arrangements for traffic shall be made in accordance with the provisions of Clause 112.

### 7.11. **SEAL COAT (cl. 511 of MORT&H)**

#### 7.11.1 SCOPE

This work shall consist of the application of a seal coat for sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall (camber).

Seal coat shall be of either of the two types specified below:

- A. Liquid seal coat comprising of an application of a layer of bituminous binder followed by a cover of stone chips.
- B. Premixed seal coat comprising of a thin application of fine aggregate premixed with bituminous binder.

#### 7.11.2 MATERIALS

##### 7.11.2.1 Binder

The requirements of Clauses 510.1.2.1 and 510.2.2.1 of MORT&H shall apply.

The quantity of bitumen per 10 square metres, shall be 6, 8 kg for Type B seal coat. Where bituminous emulsion is used as a binder, the quantities for Type B seal coats shall be 10.5 kg.

##### 7.11.2.3 Aggregate for Type B Seal Coat

The aggregate shall be sand or grit and shall consist of clean, hard, durable, uncoated dry particles, and shall be free from dust, soft or flaky/elongated material, organic matter or other deleterious substances. The aggregate shall pass 2.36 mm sieve and be retained on 180 micron sieve. The quantity used for premixing shall be 0.06 cum per 10 sqm area.

#### 7.11.3 CONSTRUCTION OPERATIONS

##### 7.11.3.1 Weather and Seasonal Limitations



The requirements of Clause 501.5.1 of MORT&H shall apply.

#### 7.11.3.2 Preparation of Surface

The seal coat shall be applied immediately after laying the bituminous course which is required to be sealed. Before application of seal coat materials, the surface shall be cleaned free of any dust or other extraneous matter.

#### 7.11.3.3 Construction of Type A Seal Coat

The construction operations shall be the same as described in Clause 509.3.3 to 509.3.5 of MORT&H.

#### 7.11.3.4 Construction Type B Seal Coat

##### 10.3.4.1 Using Paving Bitumen

The construction operations shall be the same as in Clause 510.1.3 of MORT&H.

##### 10.3.4.2 Using Emulsion

The construction operations shall be the same as in Clause 510.2.4 of MORT&H.

#### 7.11.3.5 Opening to Traffic

In the case of Type B seal coat, traffic may be allowed soon after final rolling when the premixed material has cooled down to the surrounding temperature. In the case of Type A seal coat, traffic shall not be permitted to run on any newly sealed area until the following day. In special circumstances, however, the Engineer may open the road to traffic immediately after rolling, but in such cases traffic shall be rigorously limited to 20 km per hour until the following day.



## **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.

***Clause No. 8.1***      ***Clause No. 8.1.1.***

**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, and 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.

***Clause No. 8.2***      ***Clause No. 8.2.1.***

**Correlation and  
order of  
precedence of  
tender document**

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 Sr. Dy. Manager (I&CF), Haldia Dock Complex, thereon shall be final and binding upon all parties.

***Clause No. 8.3***      ***Clause No. 8.3.1.***

**Location**

The proposed road is to be constructed between Minimarket and medico morh of Haldia Township.

**Clause No. 8.4**      **Clause No. 8.4.1.**

**Access to the site**

➤ 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/Mecheda Railway Station.

**Clause No. 8.5**      **Clause No. 8.5.1.**

**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 Sr. Dy. Manager, RZ (I&CF), Cluster –V, P.O.: - Haldia Township, Dist.: Purba Medinipur, Pin: 721607 for collecting information about the 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.

**Clause No. 8.6**      **Clause No. 8.6.1.**

**Site Features and Operations**

The sequence of work shall have to be programmed by the successful bidder without hampering the day to day activities of the area.

No work shall be taken up for execution until the contractor's programme is duly approved by the Site-in-charge.

The working hours may have to be adjusted as the situation demands. No claim for idle labour on this account shall be entertained.

The Contractor shall take all possible care so that other construction and / or operational works around the area, if any, are not unduly hampered for this work.

Any defect arising during construction work shall have to be rectified forthwith as directed, to the satisfaction of the Engineer, without charging extra.

During execution of the work, proper care should be taken to provide adequate protection to the existing structures, cables (electrical / telephone / computer etc), fresh water and fire pipelines etc. and other installations against any damage at the contractor's risk and expense.

Careful manual excavation will have to be carried out in places where service lines have been laid (information to be obtained from Engineer by the contractor beforehand) to avoid any damage.

Care should be taken during transportation of materials and execution of work so as not to impede the smooth traffic flow and normal operations in adjoining areas.

The work is of urgent nature and the completion time should be strictly adhered to and the contractor shall be required to mobilize sufficient manpower & machinery for achieving the same.

Further, if so required by the Engineer in the interests of normal working of the port, it is found necessary to shift / suspend some construction activity for some duration, this shall be done in compliance with the instructions of the Engineer, without any additional cost.

The tenderers shall have to assess the impact of hindrance to the different activities of the work which may likely to occur during execution of the job due to various factors including those of shipping and other operational activities in the areas and also as stated above.

Any damage caused to the existing pavement / structures/facilities/service lines or defect arising during construction shall have to be made good / rectified forthwith as directed to the satisfaction of the Engineer.

They shall have to plan the work in such a way so that all the activities of the job can be continued after taking care of the above hindrances effectively round the clock even on Sundays and holidays in order to complete the job within scheduled time frame as mentioned below. The tenderers shall consider the above points while quoting their rates.

***Clause No. 8.7***

**Clause No. 8.7.1**

***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

***Clause No. 8.8***

**Clause No. 8.8.1**

***Drawings***

Tender drawings (if any) are for providing an indication of the nature and extent of the work and are tentative. The actual work will have to be executed without any reservations at accepted rates as per final detailed drawings, which would be made available by the Engineer at an appropriate time.

The Engineer can modify the drawings at any time during of the contract for successful completion of the work. Working drawings as and when necessary, shall be provided by the Contractor and got approved by the Engineer

***Clause No. 8.9***

**Clause No. 8.9.1**

***Setting out Work and Initial Measurements***

The Engineer shall provide the initial references and a benchmark for the setting out of the work. It will be the Contractor's responsibility to set out the works accurately and get them checked by the Engineer.

The Contractor shall provide at his own expense all necessary instruments, staff and labourers for the checking of the survey.

The Contractor shall be responsible for the true setting out of the Works, and for the correctness of all dimensions, levels, lines, positions and alignment. Any error in any of the dimensions, levels, lines, positions and alignment found in any part of the Works shall be rectified by the Contractor at his own cost.

Checking by the Engineer at any stage shall not absolve the Contractor from any responsibility for proper setting out and construction of the Works to correct levels, lines, positions and alignment.

Before commencement of the work, the Contractor shall take initial measurements and spot levels at intervals as ordered by the Engineer and after verification by the Engineer, these records shall be signed by the Contractor and serve as the initial record for earthwork measurements.

The Contractor shall give the Engineer or his representative at least 24 hours prior notice in writing of the time when any part of the setting out of the works will be ready for checking.

***Clause No. 8.10***

**Clause No. 8.10.1**

***Time of Completion***

The work is urgent in nature and must be commenced immediately on receipt of the work order and to be completed in all respects within **06 (Six) months** including preliminary time from the date of placement of work order.

***Clause No. 8.11***

**Clause No. 8.11.1**

***Maintenance Period***

The Contractor shall maintain the works allotted to him as per Clause 9.0 of the General Conditions of Contract for a period of **1 (One) year** from the date of completion as certified by the Engineer or his representative in Form GC-1.

***Clause No. 8.12***

**Clause No. 8.12.1**

***Temporary or Enabling Work***

The Contractor shall submit to the Engineer for his approval not less than 28 days before commencement or erection of any part of Temporary Works, drawings and detailed proposals for the method of construction of temporary works such as office, store, and temporary platforms, pre-casting yard, workshop etc. which he intends to construct for the execution of the contract and no such work shall be constructed before obtaining the written approval of the Engineer.

The Contractor shall also submit his calculations relating to the design of temporary works, strength etc., if required by the Engineer and shall carry out the modifications that the Engineer may require of such temporary works at Contractor's own cost.

As with the permanent works, the Contractor shall take all precautions while carrying out the temporary works and shall abide by regulations of all statutory authorities.

Notwithstanding approval by the Engineer, the Contractor shall be solely responsible for the safety and proper execution of the temporary work and all related permanent work.

The Contractor at his own cost shall repair any damage occurring to part or whole of the permanent work due to any failure of the temporary works. These provisions will apply to all enabling works also.

The contractor shall obtain permission for any Temporary Works and would ensure that during execution of works the statutory requirements of the concerned authorities such as Syama Prasad Mookerjee Port, Kolkata, Police, Customs, etc. would be complied with.

**Clause No. 8.13**

**Contractor's Site  
Office, Store,  
Shed etc.**

**Clause No. 8.13.1**

On an application from the Contractor, land near to the site of work will be allotted by the Trustees for the construction of Site Office, Store etc. For such allotment a rent will be recovered from Contractor's bill at prevailing rates of HDC plus applicable tax or any amendments thereof.

The Contractor shall hand over vacant possession of the land free from all encumbrances within two months from actual date of completion of work (as stated in G.C.-I).

In case the contractor does not remove the site offices, store etc. within two months from the actual date of completion, the contractor will have to pay compensation equivalent to **three times** the applicable licence fee for the plot of land allotted to him temporarily for site offices, store etc. as per Schedule of Rent of Ko.PT's land and buildings at Haldia and to be recovered from his final bill / Security Deposit.

The Contractor shall build office, sheds etc. on the land allotted to him as approved by the Engineer or his representative and shall maintain a clean hygienic condition throughout the period of their use.

The Contractor shall maintain a Site Order Book at his site office and all orders and instructions issued to him from time to time by the Engineer or his representative will be recorded in the Site Order Book. The Contractor shall promptly sign each entry as a token of having received such orders.

**Clause No. 8.14**

**Keeping the Site  
& Working Area  
Clear**

**Clause No. 8.14.1**

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.

**Clause No. 8.15**

**Supply of the  
Materials by the  
Contractor**

**Clause No. 8.15.1**

It will be the responsibility of the contractor to make timely procurement of all materials for both temporary and permanent works required in accordance with the Bill of Quantities or for any extra/additional work required as per the directions of the Engineer.

The contractor shall procure cement, reinforcement steel, paver blocks (if procured), only from manufacturers approved by the Engineer.

Second hand rail, if required, will be supplied free of cost from the departmental store.

The contractor will be allowed to take away surplus materials on completion of the work, subject to Engineer's verification of contractor's records of entry and consumption of materials in the works.

**Clause No. 8.16**

**Testing of  
Materials &  
Equipment**

**Clause No. 8.16.1**

The contractor shall provide at his own cost all necessary equipment and all necessary facilities for such testing which by the nature of work will have to be done at site or the approved test laboratory.

Equipment will be in the nature of sufficient number of slump cones, standard metal moulds for concrete test cubes / beams, sets of standard IS sieves, weighing balance, graduated measuring cylinders, etc.

These are only indicative and it may be noted that equipment are to be provided and testing carried out as per direction of Engineer without any reservation and at the cost and expense of the contractor.

Any other testing of materials or workmanship desired by the Engineer shall be carried out by the contractor at his cost from National Test House or any other Government registered laboratory or Institutional Laboratory as approved by the Engineer.

The testing charges and all other incidental charges like packaging and transporting the test samples etc. shall have to be borne by the contractor and must be included in the rates.

**Clause No. 8.17**

**Programme of  
Work & Progress  
Report**

**Clause No. 8.17.1**

The contractor shall suitably schedule various activities required for completion of the work and shall submit detailed programme of work in writing in the form of a Bar / PERT Chart before commencement of the work.

If desired by the Engineer, the contractor, during execution of the work, shall submit on the first day of each month the progress report of the work in a manner as directed, showing therein corrective measures to be taken to make up the backlog, if there be any.

**Clause No. 8.18**

**Safety**

**Clause No. 8.18.1**

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, equipments 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, equipments, means of access or any other aspect. The contractor shall provide all necessary first aid measures, rescue and life saving equipment to be available in proper condition.

The contractor shall provide PPE's (Personal Protective Equipments) 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 equipments 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 –

- No damage is caused to plants and vegetation unless the same is required for execution of the project proper.
- 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.
- His office & labour hutment etc. shall be maintained in a clean and hygienic condition throughout the period of their use and different effluents of the labour hutment shall have to be disposed off suitably.

***Clause No. 8.19***

**Clause No. 8.19.1**

**Power Supply**

If available and if required, suitable power supply may be arranged by the Trustees at the nearest existing supply point of the site of work on receipt of request letter from the Contractor to that effect.

All necessary arrangements for the distribution at site will have to be made by the Contractor at his own cost as approved by the Trustees' Plant and Equipment Division.

Charges for consumption of power shall be periodically recovered from the Contractor's Bill at the rates of **West Bengal State Electricity Distribution Company Limited (WBSEDCL)** as prevalent amended from time to time along with departmental overhead of 19.25% including installation and hire charges for meters.

The Trustees do not guarantee uninterrupted power supply from the above sources and Contractor shall not be compensated for any delay in providing / irregularity of power supply.

The Contractor shall have to arrange for the supply of power at his own cost during such periods

***Clause No. 8.20***

***Clause No. 8.20.1***

**Water**

The Contractor will arrange for supply of water both for drinking and for construction purposes. However, on written request from the Contractor, water for drinking and for construction purposes may be made available from the exiting water line of the Trustees at a point near the site of work.

The contractor will have to arrange for laying pipelines, as necessary, as per approval of the Engineer or his representative, for storing and distributing the same to the work point at his own cost.

For supply of water by Trustees to the Contractor, an amount equivalent to **1% (one percent)** of the gross bill value only shall be progressively recovered from the running bill including final bill as applicable.

***Clause No. 8.21***

***Clause No. 8.21.1***

**Method of  
Measurement**

Unless otherwise specified in the Particular Specifications and Bill of Quantities, the work shall be measured according to the current P.W.D.'s (Building, Road, and Sanitary) Schedule of Rates, Govt. of West Bengal and analysed rate. For details of measurement not covered by the above S.P.-27 1987 of B.I.S. shall be referred to.

***Clause No. 8.22***

***Clause No. 8.22.1***

**On Account  
Payment**

On account payment to the Contractor shall be arranged as and when required at the discretion of the Sr. Dy. Manager [I & C F] on the basis of measurements of completed works at the quoted rates in the Bill of Quantities.

The terms of payment shall be in accordance with General Conditions of Contract. The Bills should be submitted by the contractor in quadruplicate to the Sr. Dy. Manager (I&CF)'s Office with necessary documents in original. Subject to the availability and feasibility of system, HDC may make payment directly to the contractor's designated bank account.

For this purpose, the contractor will have to indicate (i) name of bank (ii) branch name (iii) branch code and (iv) designated account number in the "Abstract Form Of Tender".

In case payment is made directly through bank, the contractor may be required to submit a pre-receipt as per instruction of HDC

***Clause No. 8.23***  
**Materials**

***Clause No. 8.23.1***

The Contractor shall make his own arrangements for procuring and supplying all materials of best and approved quality at site.

***Clause No. 8.24***

***Clause No. 8.24.1***

**Testing of  
Materials**

The Contractor shall undertake all field tests and laboratory tests for all such materials and workmanships as directed by the Engineer or his representative at his own cost.



The samples shall be taken for test jointly by the representatives of the Engineer and the contractor at the worksite and tested /sent to a Govt. registered laboratory or Institutional laboratory as may be decided by the Engineer for testing.

In case of field test, the contractor shall undertake the test by his own testing equipments or by any approved agency in presence of the representatives of the Engineer and the contractor at the worksite.

All the testing charges and all incidental charges like packaging and transporting the test samples, equipments etc. shall be borne by the Contractor.

Inspection & testing of the work by the authorized representative of HDC, SMP, Kolkata shall not relieve the Contractor from their obligation for conforming to the quality, workmanship, guaranteeing the performance, etc. as per the contract.

***Clause No. 8.25***

**Holiday or  
Sunday Work**

**Clause No. 8.25.1**

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.

***Clause No. 8.26***

**Watching of  
Material**

**Clause No. 8.26.1**

The successful Bidder will have to arrange for proper security of all materials and tools brought by him. Although the working area is under the jurisdiction of C.I.S.F.,

The Contractor shall be fully responsible for any theft or damage of the materials. He may be allowed to post his Watchmen round –the-clock at the work-site with valid permit and prior intimation to CISF. No extra amount will, however, be paid separately for watching. The Contractor should quote his rates keeping this in view.

***Clause No. 8.27***

**Snapping of  
Computer Cable  
& Compensation  
thereof**

**Clause No. 8.27.1**

Before commencement of any excavation work the contractor shall take prior approval from the engineer in-charge.

For snapping of fibre optical cables for computer network, the contractor shall have to pay compensation amount @INR 25000/- for each hour of suspension of computer work subject to maximum of INR 5.00 lacs for each individual incident.

The contactor shall take proper care so that underground cables, pipelines & other networks remains unharmed.

**Clause No. 8.28**      **Clause No. 8.28.1**

**Labour, Tools & Plants**      The Contractor shall supply all necessary labour, tools and plants required for satisfactory execution of the work.

**Clause No. 8.29**      **Clause No. 8.29.1**

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

**Clause No. 8.30**      **Clause No. 8.30.1**

**Security Deposit**      For Successful Bidder, the Security Deposit shall be recovered from the Earnest Money deposit in accordance with clause 3.4 (f) and (g) of the General Conditions of Contract.

For Successful Bidder, exempted for paying earnest money, the Security Deposit shall be recovered in accordance with GCC.

Refund of S.D. and forfeiture S.D. shall be guided by Cl. 3.5 (i) & (ii) of the G.C.C.

**Clause No. 8.31**      **Clause No. 8.31.1**

**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 sec12(1) of the Contract Labour Act.

Further , whenever a contract work has commenced or completed , the contractor has to intimate the same to the Assistant Labour Commissioner(Central) /labour Enforcement Officer (Central) in Form IV-A , within 15 days of such commencement or completion.

The contractor has to obtain a certificate of registration under “Building & Other Construction Workers (Regulation Of Employment & Conditions Of Service) Act-1996 and Central Rule 1998 and his rate shall include a cess payable @ 1 % of the cost of construction as applicable under “Building & Other Construction Workers Welfare Cess Act -1996 & Welfare Cess Rules 1998.

The contractor has to arrange for displaying the name of the Regional Labour Commissioner (Central), Asst. Labour Commissioner (Central) & Labour Enforcement Officer (Central) at his worksite(s).

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.

**Clause No. 8.32**

**Clause No. 8.32.1**

**Compliance  
With  
EPF & MP 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. Sr. Dy. Manager (I&CF).

**Clause No. 8.33**

**Clause No. 8.33.1**

**Compliance  
With  
ESI Act**

If applicable, the successful bidder will have to comply with provisions of "Employers State Insurance Act -1948", along with amendments (if any) issued from time to time.

He shall obtain ESI registration and shall deduct employees' contribution as applicable percentage of the wages of each of the employees' and shall deposit the same together with employer's contribution as applicable percentage of such total wages payable to the employees or at such rates as fixed by the competent authority from time to time.

In case, where an employee is not covered under ESIC Scheme (or contribution not paid for him regularly) and meet an accident during and arising out of his employment, the contractor being the immediate employer, shall be liable to pay him suitable compensation.

The contractor will be required to submit Photocopies of all payment challans and produce the original for verification to the representative of the principal employer, i.e. Sr. Dy. Manager (I&CF).

**Clause No. 8.34**

**Clause No. 8.34.1**

**Indemnifications**

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.

**Clause No. 8.35**  
**Customs &**  
**Security**  
**Requirements**

**Clause No. 8.35.1**

The Haldia Dock area is a custom bonded area and as such the Contractor shall comply with all regulations of the Port and Customs authorities extent and those that may be imposed from time to time in respect of the transit of all Contractor's plant, vehicles, materials and staff in the area.

The contractor shall fence the area that may be allotted to him inside the "Bonded area" of the Port for stores and other requirements with closely boarded C.G.I. sheets fixed to a suitable framework, to the full satisfaction of the Port and Security authorities.

The Contractor shall abide by all the regulations and rules of Syama Prasad Mookerjee Port, Kolkata applicable to the Haldia Dock Complex, as extant or as may be amended.

**Clause No. 8.36**  
**Dock Permit**

**Clause No. 8.36.1**

Dock permits which may be necessary for any purpose related to the work shall be issued **against payment at the prevailing rate of HDC.**

**Clause No. 8.37**  
**Force Majeure**

**Clause No. 8.37.1**

In the event of either party rendered unable by Force Majeure to perform any obligation required to be performed by them under the Contract, relevant obligation of the party affected by such Force Majeure shall upon notification to the other party be suspended for the period which Force Majeure events lasts. The cost and loss sustained by the either party shall be borne by the respective parties.

The term "Force Majeure" as employed shall mean the events as below :

riot (unless solely restricted to or perpetuated by employees of the Contractor or his subcontractors / suppliers or occurring outside India) so far as it is uninsurable;

war, hostilities (whether war be declared or not), invasion, directed to or by India or act of foreign enemies, directed to India;

rebellion, revolutions, insurrection, or military or usurped power, or civil war in India;

Fire, flood , cyclone , hurricane and acts of God.

Time of performance shall be extended by the period of delay, which is directly caused by the Force Majeure. Upon the occurrence of such cause 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 forty eight hours of the alleged beginning and ending thereof, giving full particulars and satisfactory evidence in support of his claim.

Time of performance of the relative obligation suspended by the Force Majeure shall stand extended by the period for which such event lasts and affects the relative obligation directly. Such extension of time shall be without prejudice to the provision that time is essence of the Contract and any other terms and conditions related to time of completion as may provided elsewhere in the Contract.

If the work is affected by Force Majeure lasting for more than 60 days at a stretch, the parties to the Contract shall settle the issue mutually.

***Clause No. 8.38***

**Settlement of  
Dispute**

**Clause No. 8.38.1**

If a dispute, of any kind whatsoever arises between the Employer and the Contractor in connection with or arising out of the contract or the execution of the works, the same shall be dealt as per relevant provisions of the General Conditions of Contract and THE ARBITRATION AND CONCILITATION (AMENDMENT) ACT, 2015 and any statutory amendment thereof.

***Clause No. 8.39***

**Tax**

**Clause No. 8.39.1**

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.

**Clause No. 8.40**  
**Deputation of**  
**Technical**  
**personnel by the**  
**Contractor**

**Clause No. 8.40.1**

The contractor shall have to depute authorized Technical personnel (as detailed below) to supervise the work during entire project period at his own cost.

The Number of Technical personnel, Qualifications and Experience will be as follows:

Technical Personel	Number (Minimum)	Experience in Road Construction Work
A. Diploma holder in Civil Engineering	01	Minimum 2 years of Experience

Necessary documents pertaining to the qualification and experience of the Technical personnel to be submitted before commencement of work.

**Clause No. 8.41**  
**Royalty**

**Clause No. 8.41.1**

Royalty as applicable from time to time for various materials like sand, stone aggregates etc. obtained by the contractor, his agents/suppliers or sub-contractors from government or private quarry/land for the purpose of this contract work shall be paid by the contractor at prevailing rates. He shall indemnify the Trustees against any claim from the Government / other authorities for short or non-recovery of royalty charges and shall pay such short or non-recovered amount(s) on demand to the appropriate authorities at anytime.

## **SECTION – IX**

### **BILL OF QUANTITIES**

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

**Tender No. : I&CF/SDM/RZ/20-21/ET/03**

**E-TENDER No.: 2020\_KoPT\_571009\_1**

**Name of the Work - “Construction of new Bituminous road from Mini Market to Medico Morh at Haldia Township, HDC.”**

#### **Preamble:**

1. The “**Bill of Quantities**” is to be read in conjunction with the “ **Instructions To Bidders (IB)**” and other terms & conditions [including **Technical Specification**] of the Bidding Document, considering all addenda / corrigenda (if issued).
2. This being a percentage rate tender, the Bidder shall quote their rate on-line, as percentage above / below / at par with the estimated amount put to tender, based on their own analysis.
3. The quantities given in this **Bill of Quantities** are indicative only, which may vary (both upward & downward) during execution.
4. Estimated Rates, shown in this **Bill of Quantities** , include all incidental charges and all taxes & duties of Central/ State/ Local bodies [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.
5. 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.
6. The price(s), based on the quoted percentage, should remain firm till all the jobs are completed. No Price escalation is admissible other than statutory increase in Taxes & Duties (within the scheduled completion period).
7. Except where otherwise expressly provided, the contractor shall provide all materials, labour and plant and things necessary in connection with the contract work although everything may not be fully specified and although there may be errors and omissions in the specifications.
8. 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.

## **BILL OF QUANTITIES**

<b>It. No</b>	<b>Description of work</b>	<b>Quantity</b>	<b>Rate (Rs.P)</b>	<b>Unit</b>	<b>Amount (Rs.P)</b>
1	Earth work in <b>excavation</b> in foundation in any soil including disposal of surplus excavated earth within a lead of 100 M include for bailing out subsoil or rain water, if required, all complete and as directed.	1050	₹ 120.46	Cu.M.	₹ 1,26,485.84
2	Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work) With earth obtained from excavation of foundation.	360	₹ 78.32	Cu.M.	₹ 28,193.54
3	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 m as per Technical Specifications Clause 202 for Rural Roads of MORD.( By Manual Means)				
a)	Plane cement concrete	25	₹ 402.99	Cu.M.	₹ 10,074.75
b)	Reinforced cement concrete	30	₹ 1,021.11	Cu.M.	₹ 30,633.30
4	Dismantling of existing structures like culverts, bridges, retaining walls and other structures comprising of brick masonry, including disposal of unserviceable material and stacking the serviceable material with all lift and lead of 1000 m as per Technical Specifications Clause 202 for Rural Roads of MORD.				
a)	Cement mortar	18	₹ 282.80	Cu.M	₹ 5,090.40
b)	Brick soling	150	₹ 186.85	Cu.M	₹ 28,027.50



It. No	Description of work	Quantity	Rate (Rs.P)	Unit	Amount (Rs.P)
5	Uprooting and Removing Stumps & roots, compaction of backfilling and stacking of serviceable material by manual means as per Technical Specifications Clause 201 for Rural Roads of MORD. Lead upto 1000 m				
a)	Girth above 300 mm to 600 mm	2	₹ 132.31	Each	₹ 264.62
b)	Girth above 600 mm to 900 mm	1	₹ 216.14	Each	₹ 216.14
6	Extra over the corresponding item of earth work for <b>removing semi liquid mud or slushy earth</b> by iron pans, buckets etc.	160	₹ 26.85	Cu.M.	₹ 4,295.33
7	Provide <b>Pump of Capacity not less than 3.5 HP on hire for dewatering of accumulated water</b> from the canal				
(a)	Hire charges of pump including transportation of pump set to site and demobilisation after completion of the work, delivery pipe upto 100 meter length, carriage from one place of work to another within a lead of 3000 metre Include for replaclement of delivery pipe incase of damage by movement of vehicles. etc. [Payment will be made on the basis of actual no. of shift of 8hours]	30	₹ 88.36	Per 8 Hours shift	₹ 2,650.82
(b)	Cost of Operation/running of the above pump including cost of fuel and operator. [Payment will be made on the basis of actual working hrs.]	120	₹ 94.05	Hours	₹ 11,286.18
8	<b>Drum Sheet Walling 1.40m (av.) high on Sal-bullah piling 10 cm dia. and 3.25m long driven 1.75m (av.) below G.L. and 75cm centre to centre including fitting fixing 3 nos. of half bullah pieces (from 10 cm dia) and drum(empty bitumen) sheet (approved condition) of height 1.5m , cutting and straightening drum sheet (each joint must have lap length of min.50mm) including cost of necessary nails, bolts, nuts etc. and providing 2 to 3m long half bullah ties of 10cm dia. @ 2.25 m centre to centre fixed with 10 cm dia. bullah posts driven 1.5m below G.L. including cost of all materials and one coat of coal tarring to all bullah etc. complete as per direction.</b>	35	₹ 1,584.69	Mtr.	₹ 55,464.15

<b>It. No</b>	<b>Description of work</b>	<b>Quantity</b>	<b>Rate (Rs.P)</b>	<b>Unit</b>	<b>Amount (Rs.P)</b>
9	Take out of damaged/bulged out cement plaster or skirting of any thickness including rake out joints and cleans the surface for plastering and dispose off rubbish within a leay of 75 metres.	200	₹ 19.19	Sq.m.	₹ 3,838.00
10	Provide, spread & fill the excavated area with Zone - III Brown sand , in layers of thickness not exceeding 150 mm including consolidation by sprinkling of water and rolling by mechanically operated Vibro- Roller of appropriate capacity , all inclusive as directed by the Engineer.	350	₹ 937.09	CuM	₹ 3,27,981.50
11	Supply and lay laterite boulder to requisite thickness in layers each of 150 mm (approx. finished thickness) including rough dressing, breaking, necessary hand packing and ramming down small pieces in the interstices including rolling and preparing the bed to proper level and camber with necessary cushioning over bed and ultimate filling the voids by providing and spreading moorum of requisite quantity, consolidation by power driven roller of 8 / 10 ton capacity for at least five passes including dry and wet blinding and admixed with slaked lime (with 5% of the volume of moorum) including cost of all materials. (Payment is to be made on the basis of finished comacted volume measured by pre-work level and post-work level method.)	300	₹ 2,110.23	CuM	₹ 6,33,069.00
12	Labour for taking out (from fencing) line of wire (galvanised, strand, barbed) by drawing the same out through holes in the body of the post or through holes formed by fixed staples.	120	₹ 1.07	Mtr.	₹ 127.87

It. No	Description of work	Quantity	Rate (Rs.P)	Unit	Amount (Rs.P)
13	Labour for replacement of damaged or broken portion of wove wire or similar net in fencing including cutting and removing the net of the affected bay and restoring the gap with new net and fitting fixing the same in taut condition and also tightening and securing the adjacent affected bays (including the cost of new staples and of labour for fixing such new staples) (Payment to be made on the length of the replaced bay.) Net above 1350 mm. height	30	₹ 19.45	Mtr.	₹ 583.42
14	Provide, suppling and fitting galvanised 3 ply 12 guage / 4 points line of barbed wire in fencing ( holes already made in the body of the posts) or fixed by staples tightening and fixing the wires in tout condition with straining bolts including the cost of cutting and of lapping joints in the wire as necessary but excluding the cost of galvanised staples, straining bolt and binding wire where necessary. ( Payment to be made on the lenth of individual lines of wire,)	120	₹ 30.72	Mtr.	₹ 3,686.98
15	Supply <b>M.S.flat, sq.bar, angle, tee</b> etc. for M.S. grill, gate, chain link fencing etc.(Measurement will be given after fixing of supplied material).	200	₹ 81.50	Kg	₹ 16,299.38
16	Provide and apply <b>Primer of one coat on steel or other metal surface</b> with synthetic oil bound primer of approved quality include for scrapping, brushing, sand papering and cleaning the surfaces smooth before application of paint all complete and as directed.	50	₹ 32.19	Sq.m.	₹ 1,609.50
17	Provide and lay <b>paint on old steel work with two coats</b> of approved synthetic enamel paint of first quality of any shed other than white including scrapping, brushing and cleaning the surfaces if necessary all complete as directed.	50	₹ 87.69	Sq.m.	₹ 4,384.50

It. No	Description of work	Quantity	Rate (Rs.P)	Unit	Amount (Rs.P)
18	Providing and laying <b>Brick-on-edging</b> 75 mm wide and 250mm depth with picked jhama bricks, laid true to line and level including cutting necessary trench in soil or in hard metalled surface, laying the bricks and repacking the trench ( on both side of the edging ) with spoils and ramming the same thoroughly complete as per direction.	500	₹ 97.91	Mtrs.	₹ 48,956.55
19	Labour for lowering and stacking after dismantling in parts R.S. joists, channels, angles, tees, plates etc. complete as directed.	80	₹ 218.67	Qntl	₹ 17,493.60
20	Supplying and <b>laying polythene sheet</b> (150gm/sqm) over damp proof course or below roof terraceing or in foundation or in foundation trenches.	100	₹ 26.64	Sq.M.	₹ 2,664.00
21	<b>Ordinary cement concrete ( mix 1:2:4)</b> with graded stone chips ( 20 mm nominal size ) excluding shuttering and reinforcement, if any in ground flooras per relevent IS code	55	₹ 5,633.33	Cu.M.	₹ 3,09,833.15
22	<b>Brick work</b> with 1st class bricks in cement mortar (1:6) In foundation plinth & Drains	20	₹ 5,725.38	Cu.M.	₹ 1,14,507.60
23	Hire and labour charges for 25 mm to 30 mm thick <b>wooden shuttering</b> with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works	350	₹ 359.64	Sq.M.	₹ 1,25,874.00
24	Providing and laying of <b>Ordinary cement concrete Mix (1:1.5:3)</b> with graded stone chips excluding shuttering and reinforcement, if any, upto 2nd floor including roof as per relevant IS code with Pakur variety stone chips, all complete and as directed.	60	₹ 6,254.02	Cu.M.	₹ 3,75,241.20

It. No	Description of work	Quantity	Rate (Rs.P)	Unit	Amount (Rs.P)
25	M.S/ Tor <b>reinforcement</b> (TATA/SAIL/RVNL or equivalent) including supply of rods, initial straightening and removal of loose rust, cutting to requisite length, bending, shaping and place in correct position, including welding if necessary.	12000	₹ 64.09	Kg	₹ 7,69,080.00
26	Providing and laying of cement plaster to exterior surfaces <b>15mm thick</b> with (1:4) cement plaster. Include for making scaffolding for working up to 4th floor level and necessary curing etc.,all complete and as directed.	300	₹ 169.83	Sq.M	₹ 50,949.00
27	Provide and lay <b>neat cement punning</b> over the plastered surfaces of drain etc. all complete and as directed.	300	₹ 37.74	Sq.M.	₹ 11,322.00
28	<b>Cutting</b> requisite length or shape departmental R.S. joists, channels, angles, tees, plates etc., all complete and as directed.	1000	₹ 8.88	Sq.Cm	₹ 8,880.00
29	<b>Welding</b> in M.S. structural work gas or electric etc., all complete and as directed. (Continuous weld)	2000	₹ 9.99	Per Cm. Run	₹ 19,980.00
30	Providing, laying, spreading and compacting stone aggregates of specific sizes to <b>water bound macadam</b> specification including spreading in uniform thickness, hand packing, rolling with power driven roller 8-10 ton capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding materials to fill up the interstices of coarse aggregate, watering including cost of all materials and hire and labour charges of all men and machinery and compacting to the required density all complete and as directed.				
	Using Grading-II aggregate (53mm to 22.4mm) with screening Type B (11.2mm)	280	₹ 3,423.40	Cu. M.	₹ 9,58,552.00
	(Payment is to be made on the basis of the finished compacted volume).				

It. No	Description of work	Quantity	Rate (Rs.P)	Unit	Amount (Rs.P)
31	<b>Providing and applying tack coat with Cationic Bitumen Emulsion</b> of approved grade conforming to IS:8887-1978 on the prepared surface cleaned with Hydraulic broom, moistening the surface including cost and carriage of emulsion, hire charges of machinery and labour, cost of fuel and lubricants all complete as per Clause 503 of Specifications for Road & Bridge Works of MoRTH (5th Revision).				
	I) on Granular surfaces ( <b>Non Bituminous surface</b> ) using Bitumen emulsion at the rate of 0.275 kg per sqm.	900	₹ 8.80	Sq.M	₹ 7,920.00
	II) on <b>Bituminous surface</b> using Bitumen emulsion at the rate of 0.225 kg per sqm.	600	₹ 8.12	Sq.M	₹ 4,872.00
32	<b>Bituminous Macadam (as base / binder course )</b> including thorough cleaning of the surface with air jet, applying tack coat, screening, cleaning and pre heating the stone materials and fully precoating the same with requisite quantity of hot matrix @ 3.40% binder content with 60/70 / ( V-30 )grade bitumen by means of approved and suitable arrangements, spreading the mixed materials at specified laying temperature over the surface by means of suitable arrangement ,tempering and finishing the mix to specified grade, line and cross section, thorough rolling with 8 to 10 ton power roller for breakdown, intermediate and finished rolling as per specification, hand packing including filling up the open textures by hand-pinning to give an even surface complete including hire charges of machineries and equipments for construction and quality control as per IRC specifications , cost of fuels, pay and allowances of workmen etc. in this connection.[The cost of tack coat is to be paid by Item no.-31.II]				
	(Payment is to be made on the basis of the finished compacted volume).	100	₹ 6,433.80	Cu.M.	₹ 6,43,380.00

It. No	Description of work	Quantity	Rate (Rs.P)	Unit	Amount (Rs.P)
33	<b>Provide &amp; lay 20 mm thick premix carpet</b> (open graded using 1.80cum of 13.2mm size and 0.9 cum of 11.2mm size stone aggregates per 100 Sqm of surface including thorough cleaning of the surface by air jet, applying tack coat @ 2.25 kg / 10 sqm using Cataonic bituminous emulsion of approved grade , screening , cleaning and preheating stone chips and fully precoating the same with hot matrix @54 kg of VG-30 grade per cum of aggregates(loose net) laying the premixed chips uniformly over the surface, hand packing , thoroughly rolling by power rollar including the cost and carriage of stone chips and matrix, heating matrix and hire charges of machineries and equipments for construction and quality control as per IRC specification ,cost of fuel, lubricants, wages of workmen etc. and all other charges in this connection in required slope and camber. [ Payment will be made on the actual laid area.]	1500	₹ 128.09	Sq.M	₹ 1,92,135.00
34	<b>Laying premixed seal coat (Type-B)</b> using 0.6 cum of stone grit (passing 2.36mm sieve and retained on 180mm micron) per 100 sqm area including cleaning the surface, preheating the grit by Millar Mixter, mixing the preheated grit with hot matrix @113.50kg of VG-30 grade per cum of grit, laying the mixture uniformly over the surface and rolling with power roller including the cost and carriage of grit and matrix, heating matrix and grit and all other cost and charges in this connection including hire charges and cost of fuel and lubricants of machineries and equipments for construction and quality control complete Include for providing and applying tack coat @ 3 kg / 10 sqm using Cataonic bituminous emulsion of approved grade over existing black topped surface [Payment will be made on the actual laid area.]	1500	₹ 39.01	Sq.M	₹ 58,515.00

It. No	Description of work	Quantity	Rate (Rs.P)	Unit	Amount (Rs.P)
35	<b>Painting lines</b> , dashes, arrows etc on roads in <b>two coats</b> on new work with ready mixed road marking; paint conforming to IS:164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control (Reference to MORT&H's specification 803).				
	Up to 10 cm in width	75	₹ 75.75	Sq.M	₹ 5,681.25
36	Removing all types of <b>Hume pipes</b> and stacking within a lead of 1000 m including Earthwork and Dismantling of Masonry Works as per Technical Specification Clause 202 for Rural Roads of MORD.				
	(a) Upto 600 mm dia Hume pipe	25	₹ 155.54	Mtr.	₹ 3,888.50
37	Supplying, spreading and consolidating Moorum to a depth of 75 mm as per specification with to proper gradient and camber including ramming, watering as necessary, and lighting, guarding, barricading and making adequate earthen bundh where necessary to protect the edges and curing with water for 2 to 3 days, mending cracks by rolling where necessary including all incidental charges of roller, cost of fuel & lubricants etc. complete as per specification. (The payment is to be made on the basis of the finished compacted volume of moorum.)The compaction factor may be taken as 0.67.	35	₹ 1,436.19	Cu. M.	₹ 50,266.65
38	Surface Dressing of the ground in any kind of soil including removing of vegetation inequalities not exceeding 15cm depth and disposal of the rubbish within a lead up to 75m as directed.	1600	₹ 10.10	Sq.m.	₹ 16,160.00



<b>It. No</b>	<b>Description of work</b>	<b>Quantity</b>	<b>Rate (Rs.P)</b>	<b>Unit</b>	<b>Amount (Rs.P)</b>
39	60 mm thick interlocking designer coloured decorative concrete <b>paver block M- 35 grade</b> for light-traffic zone, commercial & office complex, tourist resort as per IS: 15658-2006 (over 20-40 mm medium sand bed on 250mm thk WBM/ WMM base course & 250 mm thk bound gnauar /granular sub-base course including cost of sand for sand bed but excluding cost of base, sub-base course & subgrade preparation.)	200	₹ 1,485.18	Sq.M.	₹ 2,97,036.00
40	<b>Remove debris / building rubbish / concrete lumps / earth</b> etc. from scattered area of Haldia Township, Residential Zone, within a lead of 2 K.M. with proper site cleaning, loading, unloading, and levelling at the disposal site etc., all complete and as directed. (Payment will be made after deduction of 16% of volume as voids.)	90	₹ 167.66	Cu.M.	₹ 15,089.40
		Total Rs. =		<b>₹ 54,02,539.62</b>	

**[Indian Rupees: Fifty Four Lakh Two Thousand Five Hundred Thirty Nine and  
Paisa Sixty Two Only ]**

**SECTION – X**

**BIDDING FORMS**

*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.*

## **BIDDING FORM-I**

### **FORMAT FOR DECLARATION**

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

To,  
Sr. Dy. Manager (I&CF),  
Haldia Dock Complex.  
Syama Prasad Mookerjee Port, Kolkata

**Name of Work :** "Construction of new Bituminous road from Mini Market to Medico Morh at Haldia Township, HDC."

Tender No. : Tender No. : I&CF/SDM/RZ/20-21/ET/03

E-Tender No.: E-TENDER No.: 2020\_KoPT\_571009\_1

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 proprietor / partner(s)/ authorised signatory of the bidding firm is/are not associated with other firm bidding for the same work.

The percentage above / below / at par have been quoted in the Price Bid, electronically, through the website of CPPP 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.

We do hereby confirm that our offer is strictly in accordance with the terms and conditions of the Tender Document without any deviation / condition.

We further confirm that Part-II of the bid does not contain any condition / deviation.

Date:

Place:

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

---

Tender No. : I&CF/SDM/RZ/20-21/ET/03

E-Tender No. : 2020\_KoPT\_571009\_1

## **BIDDING FORM-II**

### **FORM OF TENDER**

Page 1 of 2

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

To,  
Sr. Dy. Manager (I&CF),  
Haldia Dock Complex.  
Syama Prasad Mookerjee Port, Kolkata

**Name of Work :** “Construction of new Bituminous road from Mini Market to Medico Morh at Haldia Township, HDC.”

Tender No. : I&CF/SDM/RZ/20-21/ET/03

E-Tender No.: 2020\_KoPT\_571009\_1

I / we \_\_\_\_\_ (Name of the Company /Firm) having examined the site of work, inspected the Drawings and read the specifications, General & Special Conditions of Contract and Conditions of the Tender, hereby tender and undertake to execute and complete all the works required to be performed in accordance with the Specification, Bill of Quantities, General & Special Conditions of Contract and Drawings prepared by or on behalf of the Trustees and at the rates & prices set out in the annexed Bill of Quantities within \_ **months / weeks** 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, Drawing and Special & General Conditions of Contract and I / We hereby agree that until such Contract Agreement is executed the said Specification, 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.

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.

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

## **BIDDING FORM-II**

### **FORM OF TENDER**

Page 2 of 2

I / We have deposited with the Trustees' Manager (Finance), HDC, vide Receipt No- \_\_\_\_\_ of \_\_\_\_\_ as **Earnest Money**.

I/We agree that the period for which the bid shall remain open for acceptance, shall not be less than **120 days**, from the last date of submission of bid.

WITNESS:

( Signature of authorised person of the bidder )

Signature:

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

Name: (In Block Letters)

Designation : \_\_\_\_\_

Address:

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

Occupation:

*(Office Seal)*

**ABSTRACT FORM OF TENDER (UNPRICED)**

Page 1 of 2

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

**Name of Work:** “Construction of new Bituminous road from Mini Market to Medico Morh at Haldia Township, HDC.”

**Estimated Cost:** ₹ 54,02,539.62 [Indian Rupees: Fifty Four Lakh Two Thousand Five Hundred Thirty Nine and Paise Sixty Two Only] (excluding GST).

**Earnest Money:** ₹ 1,08,051.00 Exempted Category: ☐

DD No. \_\_\_\_\_

**Tender No. :** I&CF/SDM/RZ/20-21/ET/03

**E-Tender No.:** 2020\_KoPT\_571009\_1

I / We hereby tender for the under mentioned work for its execution within the specified time and in accordance, in all respects with the specifications, design, drawing and instructions in writing and with such materials as are provided for, by and in all other respects in accordance with such conditions so far as practicable.

1.	<u>Bidder's Legal Name (IN CAPITAL LETTERS)</u>		
2.	a )	Country of registration.	
	b )	Year of registration.	
	c )	Legal address in country of registration.	
	d )	E-mail address:	
	e )	Contact number(s)	
	f )	Communication address of the bidder: (Any further communication to be made in this address)	

Tender No. : I&CF/SDM/RZ/20-21/ET/03

E-Tender No. : 2020\_KoPT\_571009\_1

**ABSTRACT FORM OF TENDER (UNPRICED)**

Page 2 of 2

3.	<u>Bidders Permanent Account Number (PAN):</u>		
4.	<u>Maximum number of workmen to be engaged on any day:</u>		
5.	<u>Bank Details:</u>		
	a)	Name of Bank:	
	b)	Branch:	
	c)	Branch Code:	
	d)	Account Number:	
	e)	IFS Code:	

( Signature of the bidder )

WITNESS:

Signature:

Name :

\_\_\_\_\_

Name:

(In Block Letters)

Designation :

\_\_\_\_\_

Address:

Date :

\_\_\_\_\_

Occupation:

*(Office Seal)*

**BIDDING FORM-IV****CONCURRENT COMMITMENT(S) OF THE BIDDER**

Sl. No.	Full particulars of works to be executed concurrently by the bidder. (i) Name of work. (ii) Client.	Sanctioned Tender Value. (in Rs.)	Completion time as stated in tender.	Name and address to whom reference can be made.
1	(i)			
	(ii)			
	(iii)			
2	(i)			
	(ii)			
	(iii)			
3	(i)			
	(ii)			
	(iii)			
4	(i)			
	(ii)			
	(iii)			



**BIDDER'S PROFILE**

Page 1 of 3

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

The Bidders are also requested to furnish the following particulars:

A)	<b><u>In case of Limited Company</u></b>		
	1)	Name of Company	
	2)	Address of its present registered office.	
	3)	Date of its incorporation	
	4)	Full name and address of each of its Directors: – any special particulars as to Directors if desire to be stated.	
	5)	Name, address and other necessary particulars of Managing Agents, if any appointed by the Company.	
	6)	Copies of Memorandum, Articles of Association : (with the latest amendments, if any).	
	7)	Copies of audited balance sheets of the : Company for the last two years.	

**BIDDER'S PROFILE**

Page 2 of 3

<b>B)</b>	<b><u>In case of a firm</u></b>		
	1)	Name of the firm	
	2)	Address of its present registered office.	
	3)	When business started	
	4)	If registered a certified copy of certificate of registration.	
	5)	A certified copy of the Deed of Partnership	
	6)	Full name and address of each of the partners and the interest of each partner in the partnership – any special particulars as to partners if desired to be stated.	
	7)	Whether the firm pays income tax over Rs.10,000/- per year.	

**BIDDER'S PROFILE**

Page 3 of 3

<b>C)</b>	<b><u>In case of an Individual:</u></b>		
	1)	Full name and address of the Bidder any special particulars of the Bidder if desired to be stated.	
	2)	Name of the father of the Bidder.	
	3)	Whether the Bidder carries on business in his own name or any other name.	
	4)	When business was started and by whom.	
	5)	Whether any other person is interested in the business directly or indirectly, if so, name and address etc. of such persons and the nature of such interest.	
	6)	Full name and address of each of the partners and the interest of each partner in the partnership – any special particulars as to partners if desired to be stated.	
	7)	Whether the firm pays income tax over Rs.10,000/- per year.	

**WITNESS:**

( Signature of the bidder )

Signature:

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

Name:  
(In Block Letters)

Designation : \_\_\_\_\_

Address:

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

Occupation:

*(Office Seal)*

**BIDDING FORM-VI****CHECKLIST**

Page 1 of 3

Tender No. : I&amp;CF/SDM/RZ/20-21/ET/03

Sl No	Particulars		Submitted/ Not submitted [Put ✓ in the check box]
1	Bid Document Fees/Cost of Tender Document	Deposited	<input type="checkbox"/> Yes <input type="checkbox"/> No, Exempted Category
		For Exempted Category, Submission of Documents As Per Cl 5.17.	<input type="checkbox"/> MSME Certificate <input type="checkbox"/> NSIC Certificate <input type="checkbox"/> Others i.e. _____
2	Earnest Money	Deposited	<input type="checkbox"/> Yes <input type="checkbox"/> No, Exempted Category
		For Exempted Category, Submission of Documents As Per Cl 5.17.	<input type="checkbox"/> MSME Certificate <input type="checkbox"/> NSIC Certificate <input type="checkbox"/> Others. i.e. _____
3	Declarations as per “Bidding Form-I”	Declaration Submitted on company's letter head.	<input type="checkbox"/> Yes <input type="checkbox"/> No
4	‘Form of Tender’ as Per “Bidding Form-II”	Format fill-up Submitted on company's letter head.	<input type="checkbox"/> Yes <input type="checkbox"/> No
5	‘Abstract Form of Tender’ as Per “Bidding Form-III”	Format fill-up	<input type="checkbox"/> Yes <input type="checkbox"/> No
6	Concurrent Commitments of the Bidder as Per “Bidding Form-IV”	Format fill-up	<input type="checkbox"/> Yes <input type="checkbox"/> No
7	Details of firm as per Bidder’s Profile as Per “Bidding Form-V”	Format fill-up & documents	<input type="checkbox"/> Yes <input type="checkbox"/> No
8	GST registration certificate.	Submitted	<input type="checkbox"/> Yes <input type="checkbox"/> No
9	PAN	Submitted	<input type="checkbox"/> Yes <input type="checkbox"/> No

**BIDDING FORM-VI****CHECKLIST**

Page 2 of 3

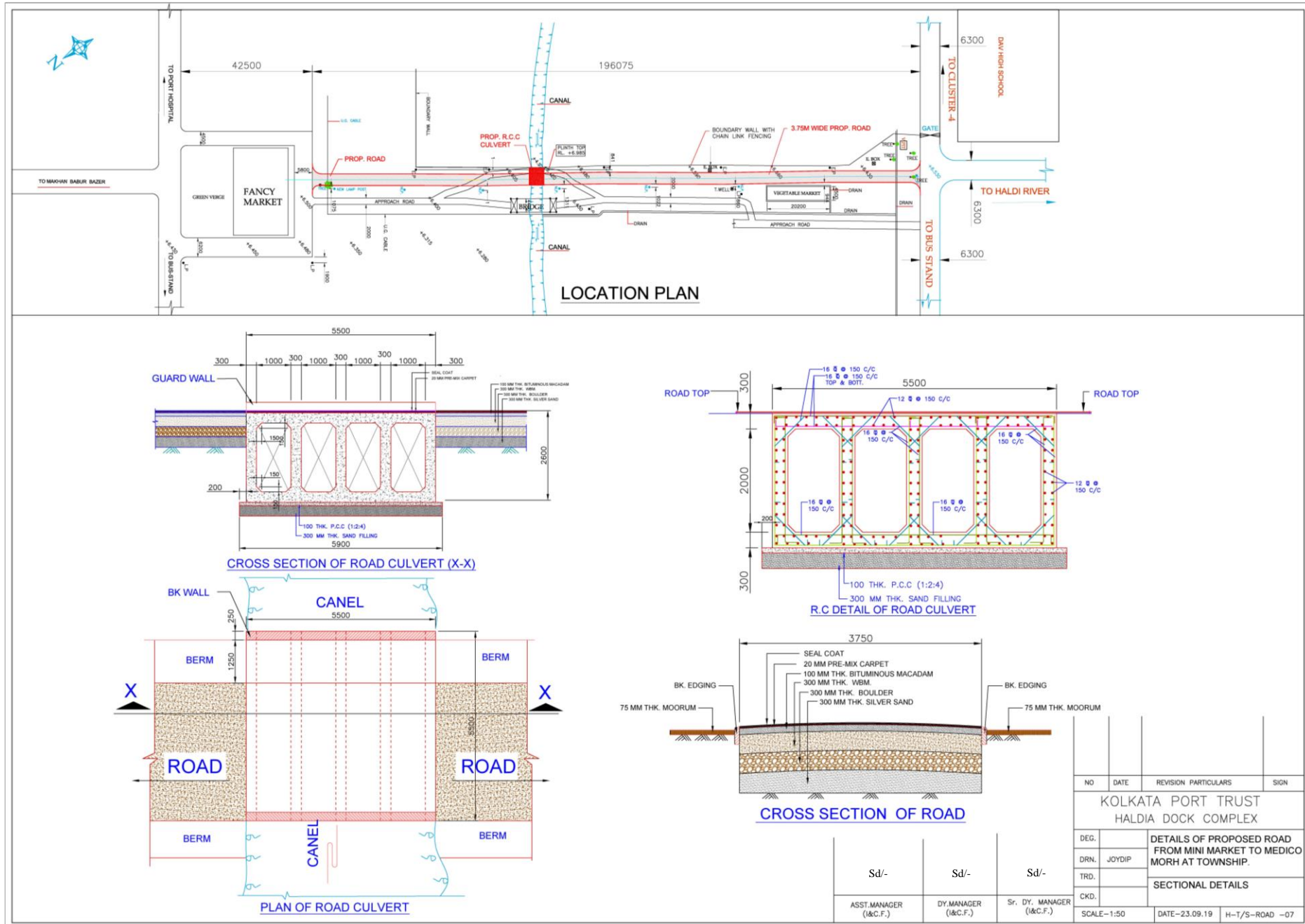
10	Valid Trade License.	Submitted	<input type="checkbox"/> Yes <input type="checkbox"/> No
		Valid up to	___ / ___ / ____
11	Professional Tax Clearance Certificate. / Upto date tax payment challan.	Submitted	<input type="checkbox"/> Yes <input type="checkbox"/> No
		Valid Up to	___ / ___ / ____
12	Valid Employees' Provident Fund Account	Submitted	<input type="checkbox"/> Yes <input type="checkbox"/> No
		Photo copy of latest payment challan of EPF submitted	<input type="checkbox"/> Yes <input type="checkbox"/> No
13	ESI registration	Submitted	<input type="checkbox"/> Yes <input type="checkbox"/> No
		Photo copy of latest payment challan of ESI	<input type="checkbox"/> Yes <input type="checkbox"/> No
14	Work Credential within seven years as per Prequalification Criteria.	<b>Credential -1</b>	
		Work Order No:-	
		Client:-	
		Value of Work:-	
		Period of Work:-	___ / ___ / ____ to ___ / ___ / ____
		<b>Credential -2</b>	
		Work Order No:-	
		Client:-	
		Value of Work:-	
		Period of Work:-	___ / ___ / ____ to ___ / ___ / ____
		<b>Credential- 3</b>	
		Work Order No:-	
		Client:-	
		Value of Work:-	
		Period of Work:-	___ / ___ / ____ to ___ / ___ / ____

**BIDDING FORM-VI****CHECKLIST**

Page 3 of 3

		Credentials as per pre-qualification criteria.	<input type="checkbox"/> Yes <input type="checkbox"/> No
		Letter of award works and completion certificate from owners are enclosed.	<input type="checkbox"/> Yes <input type="checkbox"/> No
15	Certified copies of audited balance sheet	i) Turnover amount for year <b>2016-17</b>	
		ii) Turnover amount for year <b>2017-18</b>	
		iii) Turnover amount for year <b>2018-19</b>	
		Certified by the CA / FA	<input type="checkbox"/> Yes <input type="checkbox"/> No
16	Addendum/Corrigendum / Notice / Extension Notice issued (if Any)	Submitted (if Any)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA*
(Office Seal)		( Signature of the bidder )	
		Name: _____	
		Designation : _____	
		Date : _____	

## SECTION- XI (DRAWINGS)



# **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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Including Addendum Sanctioned by the Trustees Meeting held on September,  
2014

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**KOLKATA PORT TRUST**

**KOLKATA DOCK SYSTEM &  
HALDIA DOCK COMPLEX**

**SEPTEMBER , 2014**



## GENERAL CONDITIONS OF CONTRACT

	CLAUSE		PAGES
1.	AMENDMENT TO GENERAL CONDITIONS OF CONTRACT	...	GC 3
2.	DEFINITION	...	GC 4 – GC 5
3.	DUTIES & POWERS OF ENGINEER & ENGINEER'S REPRESENTATIVE	...	GC 5 – GC 7
4.	THE TENDER/OFFER AND ITS PRE-REQUISITES	...	GC 7 – GC 11
5.	THE CONTRACT & GENERAL OBLIGATIONS OF CONTRACTOR	...	GC 11 – GC 16
6.	COMMENCEMENT, EXECUTION AND COMPLETION OF WORK	...	GC 16 – GC 20
7.	TERMS OF PAYMENT	...	GC 20 – GC 22
8.	VARIATION AND ITS VALUATION	...	GC 23 – GC 24
9.	DELAY/EXTENSION OF COMPLETION TIME/LIQUIDATED DAMAGE/TERMINATION OF CONTRACT	...	GC 24 – GC 27
10.	MAINTENANCE AND REFUND OF SECURITY DEPOSIT	...	GC 27
11.	INTERPRETATION OF CONTRACT DOCUMENTS, DISPUTES & ARBITRATION	...	GC 28 – GC 30
12	FORMS GC-1, GC-2, GC-3		GC 30 – GC 33
13	FORM OF AGREEMENT		GC 33 – GC 35
14	PROFORMA FOR B.G. FOR CONTRACT PERFORMANCE		GC 35 – GC 36
15	DRAFT MEMORANDUM OF UNDERSTANDING BETWEEN KO.P.T. & TRANSPARENCY INTERNATIONAL INDIA		GC 37 – GC 38

## AMENDMENT TO GENERAL CONDITIONS OF CONTRACT

### ❖ **CI-3.4 THE TENDER /OFFER & ITS PRE-REQUISITES**

Table under sub-clause (a)

<b>PREVIOUS</b>			<b>AS AMENDED</b>		
Estimated Value of Work	Amount of Earnest Money		Estimated Value of Work	Amount of Earnest Money	
	For Works Contract	For Contract of Supplying Materials or Equipment only		For Works Contract	For Contract of Supplying Materials or Equipment only
Up to Rs. 1,00,000.00	5% of the estimated value of work	1% of the estimated value of work	Up to Rs. 10 Crore	2% 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 minimum of Rs. 5,000/-.	½% of the estimated value of work subject to a maximum of Rs. 10,000/- and minimum of Rs. 1,000/-.	Over Rs. 10 Crore	2% on first Rs. 10 Crore + 1% on the balance	½% of the estimated value of work subject to a maximum of Rs. 10,000/- and minimum of Rs. 1,000/-.

**[AMENDMENT SANCTIONED BY THE BOARD OF TRUSTEES VIDE RESOLUTION NO 210 OF THE TRUSTEES' MEETING HELD ON 26.02.2013]**

Table under sub-clause (d)

<b>PREVIOUS</b>			<b>AS AMENDED</b>		
Class of Registration	Amount Of Fixed Security	Financial Limit Of Each Tender	Class of Registration	Amount Of Fixed Security	Financial Limit Of Each Tender
<b>A</b>	Rs 10,000/-	Any tender priced upto Rs 2,00,000/-	<b>A</b>	Rs 50,000/-	Any tender priced up to Rs 10,00,000/-
<b>B</b>	Rs 5,000/-	Any tender priced upto Rs 1,00,000/-	<b>B</b>	Rs 25,000/-	Any tender priced upto Rs 5,00,000/-
<b>C</b>	Rs 2,500/-	Any tender priced upto Rs 50,000/-	<b>C</b>	Rs 15,000/-	Any tender priced upto Rs 3,00,000/-

**[AMENDMENT SANCTIONED BY THE BOARD OF TRUSTEES VIDE RESOLUTION NO 82 OF THE TRUSTEES' MEETING HELD ON 12.10.2012]**

### **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 Manager (Infrastructure & Civic Facilities) 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 / International 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 Drawings

- writing by the Engineer and such other drawings as may from time to time be furnished or approved in writing by the Engineer.
- 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 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 include materials or other things intended to form or forming part of the permanent works. Constructional Plant
- 1.13 “Site” means the land, waterways and other places, on, under, in or through which the works are to be executed by the Trustees for the purpose of the Contract. Site
- 1.14 “Contract Price” means the sum named in the letter of acceptance of the Tender/Offer of the Contractor, subject to such additions thereto and deductions therefrom as may be made by the Engineer under the provisions here in after contained. Contract Price
- 1.15 “Month” means English Calendar Month. Month
- 1.16 “Excepted Risks” are riot in so far as it is uninsurable, war, invasion, act of foreign enemies, hostilities) whether war be declared or not), Civil War, rebellion, revolution, insurrection or military or usurped power or use or occupation by the Trustees of any portion of the works in respect of which a certificate of completion has been issued (all of which are herein collectively referred to as the excepted risks). Excepted Risks
- 1.17 Word importing the singular only, also includes the plural and vice-versa where the context so requires. Singular/ Plural
- 1.18 The heading and marginal notes in these General Conditions of Contract shall not be deemed to be part thereof or be taken into consideration in the interpretation or construction thereof or of the contract. Headings/ Marginal Notes.
- 1.19 Unless otherwise stipulated the work “Cost” shall be deemed to include overhead costs of the Contractor, whether on or off the site. Cost
- 2.0 DUTIES & POWERS OF ENGINEER & ENGINEER’S REPRESENTATIVE.**
- 2.1 The Contractor shall execute, compete and maintain the works in terms of the contract to the entire satisfaction of the Engineer and Shall comply with the Engineer’s direction on any matter whatsoever. Engineer’s Authority

- |     |  |  |
|-----|--|--|
| 2.2 | The Contractor shall take instructions from the Engineer and subject to limitation of Clause 2.5 hereof, from the Engineer's Representative.   | Authority of<br>Engineer's<br>Representative |
| 2.3 | <i>The Engineer shall have full power and authority :</i>  | Engineer's<br>Power                          |
|     | (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. |  |
|     | (b) to alter or modify the specification of any material and workmanship and to inspect the work at any time.  |  |
|     | (c) to order for any variation, alteration and modification of the work and for extra works.   |  |
|     | (d) to issue certificates as per contract.   |  |
|     | (e) to settle the claims & disputes of the Contractor and Trustees, as the first referee.  |  |
|     | (f) To grant extension of completion time.   |  |
| 2.4 | <i>The Engineer's Representative shall :</i>   | Power of<br>Engineer's<br>Representative.    |
|     | (i) watch and supervise the works.   |  |
|     | (ii) test and examine any material to be used or workmanship employed in connection with the work.   |  |
|     | (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.   |  |
|     | (iv) take measurements of work done by the contractor for the purpose of payment or otherwise.   |  |
|     | (v) order demolition of defectively done work for its reconstruction all by the Contractor at his own expense.   |  |
|     | (vi) have powers to issue alteration order not implying modification of design and extension of completion time of the work and  |  |
|     | (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.   |  |

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

- 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 if any 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 :
- (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 availability of the required materials and labour for the work and the need to execute the work to the entire satisfaction of the Engineer, and also by complying with the General and Special Conditions of Contract. Drawing/ Specification/ Nature & extent of work to be done.

- (c) The accommodation required for the workmen and site office, mobilisation/demobilisation and storage of all plant, equipment and Construction materials. Accommodation for Contractor's men/materials.
- (d) The sources and means of procurement of water for drinking, washing and execution of work, and source and availability of electrical power, all at Contractor's cost. Water for drinking etc. /Electrical power.
- (e) Payment of taxes and duties and compliance of all applicable statutes, ordinances and law together with the rules made thereunder, the rules, regulations and bye-laws of public bodies or any local or other authority by the Contractor, keeping the Trustees indemnified against penalties and liabilities of every kind arising from the Contractor's failure in such compliance. Payment of Taxes/duties and observance of all statutes.
- (f) Payment of all kinds of stamp-duty for executing the agreement or for any legal instrument including Bank Guarantees and Indemnity Bonds. Payment of Stamp Duty by the Contractor.
- 3.2 The Contractor's tender shall be in ink on the Tender Forms supplied by the Trustees, unless stipulated otherwise in the Notice Inviting the Tender and shall be faultless in figures and free from erasing. Corrections, if any, shall only be made by scoring out and initialling of the revised figure.
- 3.3 If required by the Engineer or the Trustees, the Contractors in their tender or subsequently, shall disclose the names of their owners/partners/share holders at the required points of time. The failure in this regard shall be treated as a breach and a contract, 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 / Offer, every tender must be submitted with Earnest Money of the amount calculated as per the following scale. Earnest Money and Security Deposit.

Estimated Value of Work	Amount of Earnest Money	
	For Works Contract	For Contract of Supplying Materials 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 minimum of Rs. 5,000/-.	½% of the estimated value of work subject to a maximum of Rs. 10,000/- and minimum of Rs. 1,000/-.

(b) Earnest Money shall be deposited with the Trustees' treasurer in cash or by Banker's Cheque of any Calcutta Branch of a Nationalised Bank of India drawn 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. Method of Paying 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. Refund of E.M.

(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. 25,000/-	Any tender priced up to Rs.5,00,000/-
B	Rs. 10,000/-	Any tender priced up to Rs.2,00,000/-
C	Rs. 5,000/-	Any tender priced up to Rs.1,00,000/-

(e) (i) Tender submitted without requisite Earnest Money may be liable to rejection. Tender with- out 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/- + 7½% 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 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 (ii) herein below. Id, 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.		Mode of refund of S.D.
	(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.
- 3.7 “Every Tenderer/ Bidder shall submit, in respect of a tender value of more than Rs 5 Crore, along with their tender comprising Special Conditions of Contract, General Conditions of Contract, BOQ, Earnest Money, etc. a document called Integrity Pact Agreement duly signed by their authorized representative. The Proforma of the Integrity Pact Agreement shall as specified in the GCC. In case of tender value more than Rs 5 Crore, the Integrity Pact Agreement is an essential part and parcel of bid document to be submitted by each tenderer, without which the tender shall not be considered.”
- 4.0 **THE CONTRACT & GENERAL OBLIGATIONS OF CONTRACTOR**
- 4.1 (a) The contract documents shall be drawn-up in English language.
- (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 :
1. The Contract Act (India), 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 Arbitration and Conciliation Act (1996) (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 in the definition of the term ‘Contract’ here-in-before, shall collectively be the Contract.
- 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
- Bank Guarantee in lieu of Cash S.D. in certain cases
- Language
- Applicability of laws on the contract
- Contractor to Execute Contract Agreement.
- Interpretation of contract documents –

	and his decision shall be final and binding on the parties to the Contract.	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	Contractor to submit his

execution of the work, (b) proposed procedure and methods of work, programme 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.

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.

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| 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 is 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 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 | Contractor is responsible to protect the work                                      |

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.

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| 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 travois, etc. are Trustees' property   |
| 4.16 | The Contractor shall be deemed to have indemnified and shall indemnify the Trustees against all claims, demands, actions and proceedings and all costs arising therefrom on account of :   | Contractor to Indemnify the Trustees against all claims for loss, damage, etc.                               |
|      | (a) Infringement of any patent right, design, trademark or name or other protected right in connection with the works or temporary work.   |  |
|      | (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.  |  |
|      | (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.   |  |
|      | (d) Damage/injury caused to any highway and bridge on account of the movement of Contractor's plants and materials in connection with the work.  |  |
|      | (e) Pollution of waterway and damage caused to river, lock, sea-wall or other structure related to waterway, in transporting contractor's plants and materials.  |  |
|      | (f) 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.

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| 4.17 | Debris and materials, if obtained by demolishing any property, building or structure in terms of the Contract shall remain the property of the Trustees.   | Dismantled materials Trustees' property               |
| 4.18 | <p>The Contractor's quoted rates shall be deemed to have been inclusive of the following :</p> <ul style="list-style-type: none"><li>(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.</li><li>(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.</li><li>(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.</li><li>(d) Making arrangements for deployment of all labourer and workers, local or otherwise including payment for their wages, transport, accommodation, medical and all other statutory benefits and entry permits, wherever necessary.</li><li>(e) Making arrangements in or around the site, as per the requirements of 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.</li></ul> | Contractor's quoted rates/price must be all inclusive |
| 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 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 not to 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-operation as 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' lien on 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 at an maintenance of steady rate of progress
- 5.2 The Contractor shall provide and maintain a suitable office at or near the site to which the Engineer's Representative may send communications and instructions for use of the Contractor. 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 observed by the Engineer's Representative and on Sundays and Holidays observed in the Trustees' system, 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 Contractor to observe Trustees' working hours

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 his obligations. The Engineer's decision in this regard shall be final binding and conclusive.

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| 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 do so, all at the Contractor's cost.  | 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.  |
| 5.8 | 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   | Contractor to   |



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| <p>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 in writing.</p>  | <p>compensate for loss and damage to Trustees’ materials</p>  |
| <p>(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.</p>  | <p>Delay in supply of Trustees’ materials will only entitle the Contractor for extension of completion time of work</p> |
| <p>(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.</p> | <p>Recovery from Contractor for Trustees’ materials under normal circumstances</p>                                      |
| <p>(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 -</p>   | <p>Recovery from Contractor for Trustees’ materials under other circumstances.</p>                                      |
| <p>(1) The issue rate of the materials at the Trustees’ Stores and</p>   |   |
| <p>(2) The market price of the material on the date of issue as would be determined by the Engineer.</p>   |   |
| <p>5.9 The Engineer or his Representative shall have the power to insect 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</p>  | <p>Contractor to replace materials/work not acceptable to the Engineer or his Representative</p>                        |

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.

- 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, and the same shall be final and binding on the Contractor.

- 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 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.
- Completion Certificate G.C.1.

## 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'
- Recording of measurements

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.

- 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 –
- (i) the materials shall, in the opinion of the Engineer or his Representative be of imperishable nature, Advance payment against Non-perishable materials
  - (ii) the value of such materials shall be assessed by the engineer or his Representative at their own discretion,
  - (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
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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
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## 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
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- |     |  |   |
|-----|--|---|
| 7.2 | 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:   | Engineer's power to vary the works  |
| 7.2 | <p>(a) Increase or decrease the quantity of any work included in the contract.</p> <p>(b) Omit any work included in the contract.</p> <p>(c) Change the Character or quality or kind of any work included in the contract.</p> <p>(d) Change the levels, lines, position and dimensions of any part of the work, and</p> <p>(e) Execute extra and additional work of any kind necessary for completion of the works</p>  |   |
| 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 accordance with the Engineer's sole decision shall be 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 | <p>(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.</p> <p>(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.</p> <p>(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</p> | <p>Payment for extra or omitted work or substituted work, Engineer's powers</p> |

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.

## 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 final and binding on the Contractor. If an extension of completion time is granted by the Engineer without imposition of liquidated damage, from 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.
- 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 piece) 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. The amount of Liquidated damages
- Extension of completion time
- 'Liquidated Damage' and other compensation due to Trustees

shall be determined by the Engineer, which shall be final and binding.

- (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 at least 15 days despite receiving the Engineer" or his Representative" 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 adjusted 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 work 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 Contractor's obligation for maintenance of work.

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.

9.2	The Contractor 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
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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
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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	Engineer's decision
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binding on all parties to the contract and shall forthwith be given effect to by the Contractor.

- 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 his predecessor left it.
- 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 justification in the context of contract conditions, before the issuance of final completion certificate in Form G.C.-2 *ibid*.  
No dispute or difference on any matters whatsoever, the Contractor can raise pertaining to the Contract 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.

SYAMA PRASAD MOOKERJEE PORT, KOLKATA  
HALDIA DOCK COMPLEX

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.O.....Dt.....

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

Work Order No.....

Allocation.....

Contract No. ....

which was carried out by you is in the opinion of the undersigned complete in every respect on the \_\_\_\_\_ day of \_\_\_\_\_ 2000 in accordance with terms of the Contract and you are required to maintain the work as per Clause 62 of the General Conditions of Contract and under provisions of the Contract for a period of \_\_\_\_\_ weeks / months / years

from the \_\_\_\_\_ day of \_\_\_\_\_ 2000 to \_\_\_\_\_ day of \_\_\_\_\_ 2000 .

Yours faithfully,

**Signature.....**  
**(ENGINEER/ENGINEER'S REPRESENTATIVE)**

**Name.....**

**Designation.....**

**OFFICE SEAL**

SYAMA PRASAD MOOKERJEE PORT, KOLKATA

HALDIA DOCK COMPLEX

**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.....dt.....  
C.E.O.....dt.....

Work Order No.....

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

SYAMA PRASAD MOOKERJEE PORT, KOLKATA  
HALDIA DOCK COMPLEX

**FORM G.C.3**

(NO CLAIM ' CERTIFICATE FROM CONTRACTOR)

The Manager (I&CF)  
Haldia Dock Complex  
Calcutta Port Trust  
Haldia.  
(Atten:.....)

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

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)

SYAMA PRASAD MOOKERJEE PORT, KOLKATA  
PROFORMA OF FORM OF AGREEMENT

THIS AGREEMENT made \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ between the "Board Of Trustees for the Port Of Calcutta , a statutory body constituted under Major Port Trust Act ,1963 under

the rules there under and statutory modification thereto having Registered Office at 15, Strand Road , Calcutta -700001 (hereinafter called “EMPLOYER” which expression unless excluded by or repugnant to the context be deemed to include his successor/s in office) on the one part and \_\_\_\_\_ (hereinafter called the “CONTRACTOR” which expression shall unless excluded by or repugnant to the context he deemed to include his heirs, executors, administrators, representative, successor in officer and permitted assigns) of the other part.

WHEREAS The TRUSTEES are desirous that certain works should be executed viz \_\_\_\_\_ and have accepted a Tender/Offer by the contractor for the execution, completion and maintenance of such works .

NOW THIS CONTRACT 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 :-
  - i.The said Tender/Offer & the acceptance of Tender/ Offer.
  - ii.The Drawings.
  - iii.The General Conditions Of Contract.
  - iv.Special Conditions Of Contract (If any).
  - v.The Conditions Of Tender.
  - vi.The Specifications.
  - vii.The Bill Of Quantities.
  - viii.All correspondences 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 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 ,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 as fixed (or have set their respective hands and seals) the day and year first above written.  
have executed these presents on the day and year first above 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 he presence of :

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

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

**Proforma Of Irrevocable Bank Guarantee (PERFORMANCE BOND) in lieu of cash Security Deposit, to be issued by the Kolkata/ 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.**

Ref. \_\_\_\_\_

Bank Guarantee No. \_\_\_\_\_

Date \_\_\_\_\_

To  
The Board of Trustees for the Port of Kolkata,  
15, Strand Road  
Kolkata – 700 001

Dear Sirs,

In consideration of the Board of Trustees For the Port of Kolkata, - (hereinafter referred to as the “EMPLOYER” which expression shall unless repugnant to the context or meaning thereof include its successors administrators and assigns) having awarded to \_\_\_\_\_, with 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 EMPLOYER’S work order dated \_\_\_\_\_ the same having been unequivocally accepted by the Contractor resulting in a ‘CONTRACT’ bearing Letter Of Award No \_\_\_\_\_ dated \_\_\_\_\_ Valued at Rs \_\_\_\_\_ for “\_\_\_\_\_” and the contractor having agreed to prove a Contract performance Guarantee for the faithful performance of the entire Contract equivalent to Rs. \_\_\_\_\_ ( rupees \_\_\_\_\_ only) to the EMPLOYER.

We, the \_\_\_\_\_ Bank, \_\_\_\_\_, Kolkata/ Haldia having its Head Office at \_\_\_\_\_ (hereinafter referred to as the “Bank”, which expression shall unless repugnant to the context or meaning thereof, include its successors, administrators, executors and assigns) do hereby guarantee and undertake to pay the Employer on demand any and all monies payable by the Contractor to the extent of Rs. -(\_\_\_\_\_ only) as aforesaid at any time upto without any demur, reservation, contest, recourse or protest an/or without any reference to the CONTRACTOR, Any such demand made by Employer on the Bank shall be conclusive and binding notwithstanding any difference between EMPLOYEER and CONTRACTOR or any dispute pending before any Court, tribunal, Arbitrator or any other Authority. The Bank undertakes not to revoke this guarantee during its currency without previous consent of employer and further agrees that the guarantee herein contained shall continue to be enforceable till the Employer discharges his guarantee.

EMPLOYER shall have the fullest liberty without affecting in any way the liability of the Bank under this guarantee from time to time to extend the time for performance of the CONTRACT by CONTRACTOR. Employer shall have the fullest liberty, without affecting this guarantee, to postpone from time to time the exercise of any powers vested in them or any right which they might have against Contractor, and to exercise the same at any time in any manner, and other to enforce or to forebear to enforce any covenants, contained or implied, in the CONTRACT between EMPLOYER and CONTRACTOR or any other course of remedy or security available to EMPLOYER . The Bank shall not be released of its obligations under these presents by any exercise by EMPLOYER of its liberty with reference to the matters aforesaid or any of them or by reason or any other acts of omission or commission on the part of employer or any other indulgence shown by EMPLOYER or by any other matter or thing whatsoever which under Law would, but for this provision, have the effect of reliving the bank. The Bank also agreed that EMPLOYER at its option shall be entitled to enforce this Guarantee against the Bank as principal debtor, in the first instance without proceeding against CONTRACTOR and notwithstanding any security or other guarantee that EMPLOYER may have in relation to the CONTRACTOR’S liabilities.

Notwithstanding anything contained herein above our liability under this guarantee is restricted to Rs \_\_\_\_\_ ( rupees \_\_\_\_\_ only) and it shall remain in force up to and including \_\_\_\_\_ and shall be extended from time to time for such period , on whose behalf this guarantee has been given.

Dated, this ..... day of .....2010  
..... at .....

## WITNESSES

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(Signature) (Signature)

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---  
(Name) (Name)

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(Official address) (Designation with Bank Stamp)  
+ Attorney as per power of Attorney

## ANNEXURE-A

### 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 SMP, Kolkata.
- 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.