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**

E-TENDER FOR Construction of 4NSD main gate at Netaji Subhas Dock including development of outside area of 4 NSD gate & rail gate, electrical works & other allied works , Kolkata Port Trust.

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**Civil Engineering Department
KOLKATA PORT TRUST**

TENDER NO. : KOPT/KDS/CIV /T/2321/72/1

Dt.17.04.2019

Content

Sl. No.	Description	Page No.
1.	N I T	3
2.	Important instructions for E – tender	5
3.	Commercial terms & Conditions	7
4.	Techno-commercial Bid	11
5.	Instruction to Bidder	13
6.	Special Conditions of the Contract	18
7.	Pre-qualification criteria	18
8.	Scope of Work	19
9.	Schedule “T”	39
10.	Schedule “O”	40
11.	ANNEXURE--D	43
12.	ANNEXURE—D1	45
13.	Bill of Quantities	50
14.	Form of Tender	83
15.	General Conditions of the Contract	84

Kolkata Port Trust
Civil Engineering Department

1.0 NOTICE INVITING TENDER

TENDER NO. : KOPT/KDS/CIV /T/2321/72/1 Dt. 17.04.2019

E-Tender under single stage two part system (Part I: Techno-Commercial Bid and Part II: Price Bid) are invited from reliable, bonafide & experienced agency with required experience as per Prequalification criteria stipulated in Tender Document for **“Construction of 4NSD main gate at Netaji Subhas Dock including development of outside area of 4 NSD gate & rail gate, electrical works & other allied works , Kolkata Port Trust.”** as per Bill Of Quantities The Bid Document may be seen from the Central Public Procurement Portal (CPPP). Corrigenda or clarifications, if any, shall be hosted on the above mentioned website only. The tender is also published on KoPT website (www.kolkataporttrust.gov.in).

SCHEDULE OF TENDER (SOT)

a. TENDER No.	KOPT/KDS/CIV /T/2321/72/1 Dt. 17.04.2019
b. MODE OF TENDER	<p>e-Procurement System (Online two part Techno-Commercial Bid and Price Bid through CPP Bid https://eprocure.gov.in/eprocure/app) The intending bidders are required to submit their offers electronically through e-tendering portal. No physical tender is acceptable by KOLKATA PORT TRUST</p>
c) i) Estimated Cost Of Work	<p>Rs. 4,22,38,115.36 (Rupees Four crore twenty two lakh thirty eight thousand one hundred fifteen and paise thirty six only)</p>
ii) Earnest Money Deposit @2%	<p>The intending firms would require to submit an EMD of 8,44,800/- (Rupees Eight lakh forty four thousand eight hundred only) through DD/ Banker Cheque in favour of Kolkata Port Trust, otherwise their offer will be summarily rejected. Copy of the DD/Banker's Cheque should be uploaded. As per cl. 2, page no.13.</p>
iii) Tender Document fee	<p>The intending bidders should submit the tender cost of Rs.2950/-(Rupees two thousand nine hundred fifty only including GST @ 18%) (non-refundable) separately to KoPT through DD / Banker's Cheque in favour of Kolkata Port Trust; otherwise their offer will be summarily rejected. As per cl. 2, page no.13.</p>

d. Date of NIT available to parties to download	18.04.2019 to 23.05.2019 (up to 14:00 hrs.)
f. Pre – Bid Meeting date & Time	11-30 AM on 02.05.19 in the chamber of the Chief Engineer at Head Office at 15, Strand Road,Kolkata-1
g. Last date of issue of EMD & Tender Document fee in favour of Kolkata Port Trust. Last date of physically submission of Demand Draft/Cheque/Bank Draft.	23.05.2019 (up to 15:00 hrs.) 27.05.2019
h. Date of Starting of e-Tender for submission of online Techno-Commercial Bid and price Bid at CPP Portal	18.04.2019 (From 15:00 hours onwards)
i. Date of closing of online e-tender for submission of Techno-Commercial Bid & Price Bid.	23.05.2019 (Up to 3:00 P.M.)
j. Date & time of opening of Techno-Commercial Bid and Price Bid.	24.05.2019 (After 3:00 P.M.)

Note: In the event of any unforeseen closure of work / holiday on any of the above days, the same will be opened / held on the next working day without any further notice.

List of Annexures

Important Instructions for E- procurement	:- Annexure - A
Commercial Terms & Conditions	:- Annexure - B
Techno Commercial Bid(Cover-I)	:- Annexure - C
List of Scanned Documents required to be uploaded	:- Annexure - D
Price Bid (Cover-II)	:- Annexure – E
General Conditions of Contract	:- Annexure – F

A.K. Jain
Chief Engineer
KOLKATA PORT TRUST
Tender Inviting Authority

Annexure-A**2.0 Important Instructions for E-Tender**

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 CPP Portal **<https://eprocure.gov.in/eprocure/app>** before responding to this e-tender :

Bidders Manual Kit
Help for Contractors
FAQ

Contact Persons (Kolkata Port Trust):

1. S.Mitra, Superintending Engineer(Contract)
2. S.K.Halder Ex.Engineer(Contract)
3. Sudhir Das, Ex. Engineer(Contract)
Phone no. 9836298680, **03371012380,03371012398**
e-mail :- santanumitra@kolkataporttrust.gov.in &
cecontract@kolkataporttrust.gov.in

Contact persons (CPP Portal):

1. Shri Nazmush – Mob: 9563251950 email: webhelpdesk@gmail.com
See CPP Portal for contact details.

1	Bidding in e-tender : a. Bidder(s) need to submit necessary EMD & Tender fees to be eligible to bid online in the e-tender. Tender fees is non refundable. No interest will be paid on EMD. EMD of the unsuccessful bidder(s) will be refunded by KOPT. b. The process involves Electronic Bidding for submission of Technical and Commercial Bid
2	Any order resulting from this tender shall be governed by the terms and conditions mentioned therein.
3	All entries in the tender should be entered in online Technical & Commercial Formats without any ambiguity.
4	E-tender cannot be accessed after the due date and time mentioned in NIT.
5	I.KoPT reserves the right to cancel or reject or accept or withdraw or extend the tender in full or part as the case may be without assigning any reason thereof.
6	Any order resulting from this tender shall be governed by the terms and conditions mentioned therein.
7	No deviation to the technical and commercial terms & conditions are allowed.
8	The bidders must upload all the documents required as per terms of tender. Any other document uploaded which is not required as per the terms of the tender shall not be considered.

9	The bid will be evaluated based on the filled-in technical & commercial formats.
10.	<p>Bidder has fully read and understood the entire Tender Document, GCC, Corrigendum and Addenda, if any downloaded from under the instant e-tender and no other source, and will comply to the said document, GCC, Corrigendum and Addenda” .</p> <p>A declaration in this regard is to be made by the bidder.</p>
11.	<p>(A) Part-I i.e. Techno commercial bid will be opened electronically on specified date and time as mentioned in the NIT. Bidder’s can witness electronic opening of Bid.</p> <p>(B) Part-II i.e. Price Bid will be opened electronically of only those bidder(s) whose offer will be techno commercially qualified and accepted by KoPT. Such bidder(s) will be intimated the date of opening of Price Bid(Part-II) in due course through valid email confirmed by them.</p> <p>(C) Necessary addendum/corrigendum (if any) of the tender would only be hoisted in the Central Public Procurement Portal (CPPP).</p>

Annexure –B

KOLKATA PORT TRUST
Office of the Chief Engineer,
Head Office Building, 15, Strand Road,
Kolkata 700 001.
Tele – 033 2230-3451 Extension: 398,399,400
Fax - (033) 2230-0413
E-mail [id: santanumitra@kolkataporttrust.gov.in](mailto:santanumitra@kolkataporttrust.gov.in) &
cecontract@kolkataporttrust.gov.in

3.0 Commercial Terms & Conditions

SL. NO.	TERMS
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- 1 Mere participation in e-tender will not mean that a particular bidder will be automatically considered qualified and their bids will be entertained. Such qualification will be reviewed at the time of techno-commercial evaluation of bids also.
- 2 Copy of valid NSIC Certificate *or* **MSME** Certificate has to be submitted along with the bid.
- 3 EARNEST MONEY : As Per NIT
- 4 E-Tenderers submitted without requisite Earnest Money are liable to be rejected excepting in case of Micro & Small Enterprises (MSEs) registered with NSIC (under single point registration scheme) or with MSME for items for which the tender is invited.
- 5 SCOPE OF WORK :
As per E-Tender Document
- 6 The Terms and Conditions of E-Tender shall be read in conjunction with the General Conditions of Contract, Specifications, Bill of Quantities and other documents forming part of this Contract wherever the Contract so requires.
- 7 The several documents forming the Contract shall be taken, as mutually explanatory to one another and in case of any discrepancies; the Bill of Quantities shall prevail over the Specifications and the Terms and Conditions over the General Conditions of Contract of Ko.P.T. In case of any dispute, question or difference either during the execution of the Contract or any other time as to any matter or thing connected with or arising out of this Contract, the decision of the Chief Engineer , KOLKATA PORT TRUST, thereon shall be final and binding upon all parties.

- 8 The Contract will include the Client's Bid Documents with the General Conditions of Contract and the Bidder's Offer as finally accepted by the Client, together with Addenda, if there be any. Trustees' General Conditions of contract is the integral part of the tender / contract. The above mentioned General Conditions of Contract may be inspected at the office of the undersigned on any working day before quoting for the Tender.
- 9 The Trustees are not bound to accept the lowest or any Tender and reserve the right to accept a tender in full or in part and / or reject a tender in full or in part without assigning any reason thereof.
- 10 The contract shall be governed by all relevant Indian Acts applicable only within the jurisdiction of the High Court at Calcutta.
- 11 Intending bidders must take into account any cost or expense incurred by them in connection with the preparation and submission of their bids or for any other expenses incurred in connection with such bidding.
- 12 Bidders are advised to visit the site of work prior to submission of their bid. Bidder shall get himself thoroughly familiarized with the site conditions, existing road facilities for carrying materials etc. before submission of the e-tender. He may contact the Chief Engineer/**Superintending Engineer (NSD)** or his authorized representative at his office at 15, Strand Road, Kolkata 700001 in this regard. Non compliance of the same will in no way relieve the successful bidder of any of his obligations in performing the work in accordance with this Bid Document within the quoted price.
- 13 **VALIDITY :**
The tender shall remain open for acceptance for a period of **4 months** from the date of opening of techno-commercial bid.
- If before expiry of this validity period, the Bidder amends his quoted rates or tender, making them unacceptable to the Trustees and / or withdraws his tender, the Earnest Money deposited shall be liable to forfeiture at the option of the Trustees / sanctioning Authority.
- 14 **NON- RESPONSIVE BIDDER :-**
The offer/tender shall be treated as non-responsive, if it :
- (i) is not accompanied by requisite earnest money /valid NSIC Registration Certificate /MSME Registration Certificate.
 - (ii) is not accompanied by requisite tender paper cost / or valid NSIC/MSME Registration Certificate.
 - (iii) validity of the offer is less than tender stipulation,
 - (iv) 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/offer or tender if submitted with any deviation from the tender terms & conditions.

In addition to above, a bidder may be disqualified if –

- a) The bidder provides misleading or false information in the statements and documents submitted.
- b) 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.

The decision of Kolkata Port Trust in this regard shall be final and binding on the Bidder. Offer / tender is submitted with any deviation from the tender terms & conditions.

- 15 EARNEST MONEY AND SECURITY DEPOSIT : As per tender Document
- 16 Performance Guarantee : Not Applicable
- 17 In the event of the successful bidder failing to execute the order within the stipulated delivery period without sufficient reasons acceptable to the Trustees, the Security Deposit may be forfeited and the order be cancelled at the option of the Trustees' **apart from other actions.**
- 18 PRICES: As per BOQ given in the tender document.
- 19 The bidder shall quote his price as per the Bill of Quantities in the Price bid (Part-II)
- 20 Orders may be placed in full/part to the lowest bidder.
- 21 Price(s) to be quoted should remain firm over the contract period.
- 22 **The prices quoted shall be including all statutory levies excluding GST, which shall be paid extra.**
- 23 **EVALUATION CRITERIA: As per relevant clause of Tender document.**
- 24 PAYMENT: As per Tender document.
- 25 Location: As per Tender document.
- 26 Time of Completion: As per Tender document.
- 27 Work is to be carried out as per terms & condition of the contract document.

28 JURISDICTION OF COURT :

The contract shall be governed by all relevant Indian Acts applicable within the jurisdiction of Kolkata.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

- 29 Contractor and their workmen including driver & helper must use PPE i.e. safety helmet etc. at the time of work inside the dock premises. For safety measure Cl. No.25, page-24 may be referred to.

- 30 Compensation (Liquidated Damages) against failure to complete the work within the stipulated time as per tender condition.

- 31 Price adjustment clause: As per Tender document.
- 32 Technical capacity: As stipulated in Tender document.
- 33 Financial capacity: As stipulated in Tender document.
- 34 DOCK PERMITS : As per tender document.

- 35 The bidder may offer a Bank Guarantee in the Trustees' specified proforma from any Scheduled/ Nationalized Bank of India having Branch at Kolkata in lieu of Earnest Money /Security Deposit beyond **Rupees 10(Ten) lakhs**.

Besides the above conditions all other conditions as stated in the NIT, BOQ, Special Conditions of Contract, Instruction to the tenderers, G.C.C. shall have to be agreed by the Bidders.

Annexure –C

कोलकाता पतन यास
Kolkata Port Trust
 सवल इंजीनयरंगवभाग

CIVIL ENGINEERING DEPARTMENT
 15, ड रोड, कोलकाता -700001

15, Strand Road, Kolkata - 700001

NIT No.: KOPT/KDS/CIV /T/2321/72

Dt. 17.04.19

NOTE: Last Date of **Download** of tender documents : **23.05.19 (up to 14.00 hours)**

Tender is due for submission by 3:00 P.M. On **23.05.19**

Techno Commercial Bid(Part-I)

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**Construction of 4NSD main gate at Netaji Subhas Dock including development
 of outside area of 4 NSD gate & rail gate,electrical works & other
 allied works ,Kolkata Port Trust.**

XX

SHORT TENDER NOTICE

E-Tender under single stage two part system (Part I: Techno-Commercial Bid and Part II: Price Bid) are invited from reliable, bonafide & experienced agency with required experience as per Prequalification criteria stipulated in Tender Document for the following work at Kolkata Port Trust.

Name of work	:	Construction of 4NSD main gate at Netaji Subhas Dock including development of outside area of 4 NSD gate & rail gate,electrical works & other allied works ,Kolkata Port Trust.
NIT No	:	KOPT/KDS/CIV /T/2321/72/1 Dt. 17.04.2019
Estimated Cost	:	Rs. 4,22,38,115.36 (Rupees Four crore twenty two lakh thirty eight thousand one hundred fifteen and paise thirty six only)
Period Of Execution	:	6 (Six) Months
Earnest Money	:	Rs.8,44,800/- (Rupees Eight lakh forty four thousand eight hundred only)
Period of Download of E-Tender (Both Days Inclusive)	:	18.04.2019 to 23.05.2019 (UPTO 14:00 HRS.) (Bid document will be available on Central Public Procurement Portal (CPPP).
Date and Time for pre-bid meeting & site visit	:	11-30 AM on 02.05.19 in the chamber of the Chief Engineer at Head Office at 15, Strand Road,Kolkata-1
Last date of submission of e-tender and opening of the tender	:	Submission: 23.05.2019 Up to 15:00 hrs. Opening: 24.05.2019 at 15:00 hrs.
Cost of Tender Document (Non-refundable)	:	Rs.2950/-(Rupees two thousand nine hundred fifty only)
Contact Person.	:	S. Mitra, Superintending Engineer(Contract) S.K.Halder Ex. Engineer(Contract) S. Das, Ex. Engineer(Contract) 9836298680, 03371012380,03371012398

4.0: INSTRUCTIONS TO BIDDER

E-TENDER FOR “Construction of 4NSD main gate at Netaji Subhas Dock including development of outside area of 4 NSD gate & rail gate, electrical works & other allied works , Kolkata Port Trust.

TENDER NO : KOPT/KDS/CIV/T/2321/72/1 Dt. 17.04.2019

1.0 GENERAL

The work as described in the tender shall be executed in Kolkata and in accordance with the attached General Conditions of Contract, Special Conditions of Contract, Particular Specifications, Drawings (if any) & detailed Bill Of Quantities. Location Plan of the place of work might be inspected at the office of the **Superintending Engineer (NSD) for Civil work & Superintending Engineer (Electrical) for Electrical works** on any working day before quoting for the tender.

2.0 Earnest money and cost of tender paper are to be physically deposited at the office of Chief Engineer at 15, Strand Road, Kolkata-700 001 by vendors/contractors through Bank Draft/Banker's Cheque/Demand Draft/Pay Order etc. in favour of Kolkata Port Trust, payable at Kolkata, within 3 days after opening of tender.

2.1 Details of cost of e-tender paper remitted should be entered by the participating vendor/contractor in the space provided in the e-tender as indicated hereunder:

- a) Name of remitting vendor/contractor :
- b) Tender No. :
- c) Amount remitted :
- d) Date of remittance :
- e) Bank Draft / Cheque No. :

2.2 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 vendor/contractor :
- b) Tender No. :
- c) Amount remitted :
- d) Date of remittance :
- e) Bank Draft / Cheque No. :

Tender submitted without requisite Earnest Money and cost of tender paper will be liable for rejection.

3.0 MODE OF SUBMISSION OF BID :

3.1 All bidders must submit their offers through e- tendering in accordance with the terms and conditions set out in the bid documents and no deviation will be accepted.

3.2 A Bid shall contain the following *scanned copies* of which are to be uploaded (Refer Annexure D):-

- i) GST registration certificate.
- ii) Valid Trade Licence(Valid for current period & also for type of work).

- iii) Valid Professional Tax Clearance Certificate / Up to date tax payment challan. If this is not applicable, the bidder must submit a declaration in this regard.
- iv) Proof of possessing valid Employees' Provident Fund (EPF) Account. EPF Registration Certificate.
- v) Proof of being registered with Employees' State Insurance Corporation (ESIC), ESI Registration Certificate.
- vi) Details of the firm as per Schedule-O (in Part-I) of the tender document duly filled up.
- vii) Credentials in the form of copies of Letters of Award of Works along with corresponding/successful Completion Certificates from owners to justify that the intending bidder satisfies the earlier mentioned pre-qualification criteria.
- viii) Last three years balance sheet and profit & loss account in support of Annual Financial turnover (i.e. 2015 – 2016, 2016-2017 and 2017-2018). The same should be audited as per relevant norms wherever required.
- ix) PAN Card
- x) Bank Draft/ Pay order etc. regarding EMD & Cost of Tender documents/valid NSIC certificate
- xi) A list of technically qualified and skilled persons would be engaged to supervise and execute the work
- xii) Self declaration of the bidder that the Bidding Firm has Not been debarred / de-listed by any Govt / Quasi Govt. / Public Sector undertaking in India **(to be mentioned in the letter head of the Firm).**
- xiii) Self-declaration regarding 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 **(to be mentioned in the letter head of the Firm).**
- xiv) 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 'Annexure-C' (Schedule – T) in Part-I of the tender document.
- xv) Undertaking of the tenderer to be submitted as per enclosed Pro-forma (Annexure –D-1) in lieu of submission of signed copies of the full Tender document ,G.C.C,addenda & corrigendum **in the letter head of the Firm.**
- xvi) Last page of "Bill Of Quantities" & the "Form Of Tender" duly filled up (without price quoted) shall be duly signed and stamped by the Bidder.

N. B.-1 The bidder will have to produce the original documents or any additional documents, if asked for, to satisfy the Authorities for clarification of his documents or credibility.

N.B.-2 Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements and their **EMD will be forfeited for such action.**

3.3 All the bidders should submit the e-tender in accordance with the Mode of submission of Bid as afore-said.

4.0 SECURITY DEPOSIT:-

4.1 For the successful Bidder, the Earnest Money deposit will be converted to part of Security Deposit and the remaining security deposit will be recovered from the contractors each and every On-Account Bill [including the final bill, if necessary] at the percentage of each such bills as set forth in **Clause. 3.4, 3.5 & 3.6 of the General Conditions of Contract.**

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

5.0 Delay/ Extension of time/ Liquidated Damage/ Termination of Contract.

Clause 8.0 of G.C.C. to be referred regarding Delay/ Extension of time/ Liquidated Damage/ Termination of Contract.

6.0 REFUND OF EARNEST MONEY:-

The Earnest Money received, will be refunded or released as the case may be to the unsuccessful Bidders without any interest after opening of Price bid (Part – II) of the e-Tender document.

7.0 VALIDITY OF OFFER:-

The e-tender shall remain valid for a period of **4 (four) months** from the date of opening the same. If before expiry of this validity period, the Bidder amends his quoted rates or tender, making them unacceptable to the Trustees and / or withdraws his e-tender, the Earnest Money deposited shall be liable to forfeiture at the option of the Trustees/ Sanctioning Authority/Engineer.

8.0 DETAILED SCRUTINY OF E-TENDERERS :

8.1 During the course of examination of Part-I of the bid, the bidders, if asked for, shall furnish any or additional document(s) for the purpose of evaluation of his / their bids. The price bids i.e. Part-II of those bidders who meet the qualifying criteria of NIT shall be opened.

9.1 During techno-Commercial Evaluation, i.e. evaluation of Part-I of tender, an offer shall be considered non-responsive in case it :-

- (i) is not accompanied by requisite Earnest Money /NSIC /MSME Registration certificate.
- (ii) is not accompanied by requisite Tender paper cost /NSIC /MSME Registration certificate.
- (iii) validity of the offer is less than tender stipulation,
- (iv) 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/offer or tender if submitted with any deviation from the tender terms & conditions.

In addition to above, a bidder may be disqualified if –

9.2 a) The bidder provides misleading or false information in the statements and documents submitted.

- b) 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.

The decision of Kolkata Port Trust in this regard shall be final and binding on the Bidder.

10. An amount of **Cess** calculated at the rate of **1% of the billed amount** shall be progressively recovered from each running bill as well as from the final bill of the contractor for onward transmission of the same by the appropriate authority. Statutory deductions will also be made as applicable at the time of payment.

11. For Micro & Small Enterprises (MSEs) registered with NSIC & or MSME:-

- 11.1 Micro & Small Enterprises (MSEs) registered with NSIC (under single point registration scheme) **or with MSME** are exempted from depositing Cost of Tender Document and Earnest Money.
- 11.2 If Micro & Small Enterprises (MSEs) registered with **NSIC or MSME** intends to participate in the tender, for the items they are not registered with NSIC, then they will have to deposit cost of Tender Document, full amount of Earnest Money as per NIT. **Otherwise their offer will not be considered.**
- 11.3 Copy of valid NSIC Certificate for MSEs has to be submitted along with bid.

12.0 EVALUATION CRITERIA:-

- 12.1 During evaluation of Part-II i.e. Price Part, provided that the bidder submits his offer following e-tender stipulations & specifications, **the overall lowest offer received** shall be considered for acceptance by the Trustees.

13.0 ACCEPTANCE OF TENDER:-

- 13.1 Kolkata Port Trust reserves the right to accept / reject any / all offer(s) without assigning any reason thereof and also reserve the right to accept the tender in part or as a whole.
- 13.2 Any attempt to exercise undue influence in the matter of acceptance of Tender is strictly prohibited and any Tenderer who resorts to this will render his tender liable to rejection.
- 13.3 The successful Tenderer will be notified in writing of the acceptance of his tender. The "Tenderer" then becomes the "Contractor" and he shall forthwith take steps to execute the Contract Agreement within six weeks of issue of Letter Of acceptance and fulfill all his obligations as required by the Contract.

14.0 MISCELLANEOUS:

- i) 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.
- ii) 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.
- iii) 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.

- iv) 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.
- v) 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.
- vi) Enlisted/registered contractor of KoPT will get the benefit of exemption of deposition of Earnest Money upto the prescribed limit. They are to upload the scan copy of the original T.R. issued to them by KoPT during registration to KoPT relating to **Permanent Security Deposit**.

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- vii) The Bidder shall give a declaration about the names of their relations employed in Kolkata Port Trust. 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.
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5.0: SPECIAL CONDITIONS OF CONTRACT

E-TENDER FOR "Construction of 4NSD main gate at Netaji Subhas Dock including development of outside area of 4 NSD gate & rail gate, electrical works & other allied works, Kolkata Port Trust."

1. GENERAL:

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-Tenders, 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 override those in the General Conditions provided there is discrepancy between them.

2. CORRELATION AND ORDER OF PRECEDENCE OF TENDER DOCUMENTS:

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

- (a) Order letter.
- (b) Bill of Quantities.
- (c) Drawings.
- (d) Particular Specifications of work.
- (e) Special Conditions of Contract.
- (f) 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 Chief Engineer, Kolkata Port Trust, thereon shall be final and binding upon all parties.

The execution of work shall conform minutely to the approved & assigned drawings & specification & any other details drawings which shall be provided /duly approved by the Engineer during the progress of the work as to such other drawings those have formed part of the contract documents.

3. PRE-QUALIFICATION CRITERIA FOR BIDDERS: -

The intending bidder must have successfully completed **construction/maintenance/ remodelling/up gradation/ modification of Buildings/ Offices /Structures/Architectural Installations(Civil works only)** during the last 7(seven) years ending last day of month previous to one in which applications are invited and the experience should be either of the following:

- Either (i) 03 (Three) completed works each costing not less than **Rs.1,45,68,270.82.**
- Or (ii) 02 (Two) completed works each costing not less than **Rs.1,82,10,338.53 .**
- Or (iii) 01 (One) completed work costing not less than **Rs. 2,91,36,541.65.**

And also must have successfully completed **electrical installation works of Buildings/ Offices / Structures** during the last 7(seven) years ending last day of month previous to one in which applications are invited and the experience should be either of the following:

- Either (i) 03 (Three) completed works each costing not less than **Rs.14,42,319.92.**
- Or (ii) 02 (Two) completed works each costing not less than **Rs. 18,02,899.90.**
- Or (iii) 01 (One) completed work costing not less than **Rs. 28,84,639.84.**

4. SCOPE OF WORK:**CIVIL PART(Part A)**

The work comprises of construction of a Modern Gate Complex at Gate No 4 of Netaji Subhas Dock which primarily comprises of

- Earthwork
- Dismantling works
- PCC & RCC works
- Brick works
- Flooring works
- Waterproofing works
- MS Structural works inclusive of fabrication
- Door and Window works
- False ceiling
- Plastering
- Painting
- Glaziers work
- Rain Water pipe related works
- Precast cement concrete kerbs
- Aluminium works
- Structural glazing/Curtain wall
- Structural Metal Decking System
- Machine compressed clay burnt brick tiles supply & laying
- Powder coated aluminium plain/perforated Metal false ceiling
- Aluminium cladding
- Sanitary & Plumbing Works
- MS Single leaf Sliding Gate
- MS Bi-parting Telescopic Gate
- MS Double leaf Swing Gate
- Hydraulic Road Blocker

Including all appurtenant works as described and set forth in, Bill of quantities, Special Conditions of contract, Technical Specification of works, Specification of materials & Workmanship with all additional or varied works which may thereafter be required in Accordance with Clause-7 of General conditions of contract and as per direction of the Engineer of the Contract.

CIVIL PART(Part B)

The work mainly comprises of the following:

1. Earthwork
2. Dismantling of PCC,RCC,Masonry work.
3. Water Bound Macadam work.
4. Reinforcement work
5. M-40 concrete work
6. M.S.Structural work
7. Plastering work
8. Decorative cement painting work
9. Jungle cleaning

Including all appurtenant works as described and set forth in, Bill of quantities, Special Conditions of contract, Technical Specification of works, Specification of materials & Workmanship with all additional or varied works which may thereafter be required in Accordance with Clause-7 of General conditions of contract and as per direction of the Engineer of the Contract.

Electrical Part(Part C):

The Scope of Work includes Supply, delivery and installation of -

1. Supply, delivery, laying, termination and commissioning of LT cables as per technical specification.
2. Supply, delivery, installation of Distribution Boards and Sub-Distribution Boards as per specification.
3. Supply, delivery, fixing & commissioning of LED Luminaires, call bell.
4. Supply, delivery and installation of ceiling fans along with supply delivery and installation of stepped electronic regulator, cabin fan/wall mounting fan.
5. Supply, delivery and installation of exhaust fans.
6. Supply, delivery and installation of 3 pin 5A, 15 A flush type Modular plug socket with 5A, 15A Modular Switch .
7. Point Wiring.
8. Distribution wiring for 15A plug points and starter switch.
9. Circuit Wiring.
10. Earthing and related work.
11. Supply, installation & commissioning of fire alarm system.

Including all appurtenant works as described and set forth in, Bill of quantities, Special Conditions of contract, Technical Specification of works, Specification of materials & Workmanship with all additional or varied works which may thereafter be required in Accordance with Clause-7 of General conditions of contract and as per direction of The Engineer of the Contract. The intending tenderer shall inspect the site of work in consultation with the Engineer and acquaint himself with the nature of Work before preparing his tender. His attention is drawn to Clause No. 3.1 of the General Conditions of Contract in this regard. No excuse on ignorance as to the site conditions will be entertained.

Unless otherwise specified, the work to be provided for by the contractor shall include but not be limited to the following:-

- a) Provide all materials, supervision, services, scaffolding and temporary lighting as required for work purposes etc.
- b) Prepare and submit for review and assessment to the Engineer, the working drawings showing how the work is actually going to be done as may be required by him.

- c) The contractor shall carry out the work in phased manner as per availability of the site so that normal day to day activities are not affected for which no such extra payment will be entertained.

Any work, considered required by the contractor and not mentioned hereunder, for successful completion of the project, is to be included in the item of bill of Quantity suitably, which should be finalized in the pre-bid meeting.

The work shall be carried out as per Indian Electricity Act, 2003, Central Electricity Authority (Measures relating to safety & electricity supply) Regulation, 2010 with latest revised IS code of Practice and relevant portion of National Building Code particularly with respect to safety requirements as per IS 16103 (Part I) :2012 and also code of practice for fire safety of buildings (general): Electrical Installations, IS:1646: 1997.

5. LOCATION:

The site is located at 4 no. Gate of N.S.Dock on C.G.R Road.

6. ACCESS TO THE SITE:

(a) By Road : From C.G.R Road

(b) By Circular Rail: Kidderpore Station

7. Work Site:

The site is located at 4 no. Gate of N.S.Dock on C.G.R Road.

Tenderer must visit the work site and its surrounding before submission of the tender, so that due consideration is given to the local conditions at site. The intending tenderer should contact **Superintending Engineer (NSD), 51, Circular Garden Reach Road, Kolkata 700043** to make the site inspection along with his representative.

8. 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 **Superintending Engineer (NSD), 51, Circular Garden Reach Road, Kolkata 700043** 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.

9. SITE CONDITIONS & METHOD OF WORK:

The site is located at 4 no. Gate of N.S.Dock on C.G.R Road as detailed in the Scope of Work & B.O.Q. The contractor shall take adequate measures so as to execute the work with due regard to the above. The cost of which shall have to be included in the quoted rates.

Further, if so required by the Engineer in the interests of normal working of the Port, if 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 and as per relevant clause of the G.C.C. The bidder shall consider all the above points while quoting as no separate claim for idle charges towards labour, material will be considered for payment.

Proper care should be taken to provide adequate protection to the existing structures and cables (telephone, computer, etc) all such installations against any damage at the Contractor's risk and expense. Any damage / defect to existing structures arising due to the faulty execution of the work shall have to be rectified forthwith as directed to the satisfaction of the Engineer, without charging extra.

10.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 **6(Six) months** including preliminary time from the date of placement of work order.

11. Sufficiency of Tender:

- i) The tender drawings and all data / information as furnished herein or inspected and / or collected by the tenderer for the purpose of the work should be properly assessed, interpolated or utilised in his offer at his own responsibility and KoPT does not guarantee sufficiency or adequacy of the data / information so supplied to him or collected or understood by the tenderer.
- ii) The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates stated in the priced Bill of Quantities and the rates shall cover all his obligations under the contract and all matters and things necessary for the proper construction, completion, commissioning and maintenance of the work.
- iii) In case rate of particular item is printed erroneously in B.O.Q., the rate stated in the schedule of rates will prevail over the rate misprinted in B.O.Q.

12. Accessibility for Checking and Supervision.

The engaged Contractor is to provide necessary arrangement for free access to the KoPT officer's and personnel for supervision and checking of the subject work at his own cost.

13. Programme and Progress:

The contractor shall submit a detailed programme of work within **7 [seven]** days from the date of Work Order / L.O.I. showing the commencement, duration and completion time of all major items of work including procurement of all materials etc,. The sequence of work shown in the programme must be practicable and compatible with technical specifications and conditions prevailing at site.

The contractor shall maintain the progress of work as per the approved programme. In case of any slippage of programme the engineer may require the contractor to augment the input of plant, equipment, labour of any item as he may deem fit. The contractor shall comply with the engineer's directive in this regard, without any extra charge whatsoever.

In case of delays caused due to conditions or circumstances beyond the control of the contractor, the delays must individually be informed to the Engineer forthwith in writing and his acceptance in writing obtained.

14.Responsibility of the Contractor for methodology of works:

- i) The Contractor shall be solely responsible for the methodology and detailed working for the whole of the works, keeping in mind the site conditions and shall supply to the Engineer such particulars thereof as he may require from time to time.
- ii) The Contractor shall submit within the time stipulated by the Engineer in writing, the details of actual methods that would be adopted by the Contractor for the execution of each item of the work supported by necessary details.
- iii) Approval , for the Drawings and sketches, if necessary including those of the plant and machinery that would be used, their locations, arrangements for conveying and handling
- iv) materials etc., should be obtained from the Engineer well in advance for starting each item of work. The Engineer reserves the right to suggest modifications or make concrete changes in the methods proposed by the Contractor whether accepted previously or not at any stage of the

work, to obtain the desired accuracy, quality and progress of the work, which will be final and binding on the Contractor.

15. MATERIALS:

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 and other materials from manufacturers approved by the Engineer.

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.

16. Quality Control:

Quality control is an essential part in the construction of and must be based on proper objective and qualitative measurement. The Contractor will have the full responsibility for quality control and delivering the acceptable quality in the field. Regular appraisal of the quality control to the Engineer should be made for effecting improvements in the construction techniques to ensure satisfactory quality of work. The quality control function shall include but not be limited to the following items.

17. Sampling and Testing of Construction Materials:

For Civil Part: Essentially to be carried out on the materials brought to site for construction work unless permitted otherwise by the Engineer. 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.

For Electrical Part: Inspection and testing will be carried out by KOPT Engineer. Inspection will be carried out as applicable as per relevant Standard/ Technical Specification/Approved Drawing etc. Manufacturer's Test and guarantee certificate as applicable will have to be submitted for verification.

Inspection and testing will comprise prototype testing including mechanical and electrical measurements such as stress, temperature, voltage, current, and moisture test. Non- destructive test techniques such as ultrasonic test should be shown to indicate the thermal cycle, accelerated life cycle, mechanical impact, fatigue ,etc of the panel prior commissioning are to be carried out . Insulation Resistance, Earth Continuity and Earth Resistance tests etc. as applicable prior to commissioning are to be carried out for LT cable. All pre commissioning tests of the panels/equipments etc as applicable shall be carried out by the authorized representative of the firm having valid Supervisor's Certificate of Competency

18. Specifications/ Codes and Standards:

All works under this contract will be executed according to the Trustees' Specification for works. Whenever the details are not specifically covered in the specifications, relevant provisions in the latest revision and/ or replacements of the Indian Standard Specifications (IS) or any other International Code of Practice/ CPWD specifications will be followed. The Contractor shall have to procure copies of

such codes/ standards for ready reference of his own personnel as well as the Engineer or his representative at site at his own cost and without any additional reimbursement.

19. Temporary Works:

The successful tenderer shall allow for providing labour and materials for the construction and removal of all temporary works, e.g. site office, site store, scaffolding, fencing lighting; watching, tube well and pipe lines etc. required for constructional purpose as well as for drinking water purpose of contractor's men, water supply, vats, platform, etc. as may be necessary for the successful execution, completion and maintenance of works without any extra cost to the Trustees and the rates should be quoted accordingly. No rent shall, however, be charged to the contractor for construction/erection of such temporary sheds and structures.

20. Plant & Constructional Equipment:

The contractor shall supply his tools, plants and constructional equipments within his quoted rates. A list of plant as intended to be employed by the tenderers in this construction must be furnished with full details along with the tender.

21. Contract Price:

The "**Contract Price**" for this contract means the sum named in the tender subject to such additions thereto, deductions there from or reductions due to supply of any materials by the Trustees' as provided for in the Contract.

22. Setting out of work and initial measurements:

The Engineer shall provide the initial reference and Bench Mark for the setting out of work. It will be the contractor's responsibility to set out the work accurately and get them checked by the Engineer. The Contractor shall provide at his own expense all necessary instruments, staff and labour for the checking of the survey.

The Contractor shall be responsible for the true setting out of the work and for the correctness of all dimensions, levels, lines, positions and alignment. Any error in any part of the works shall be rectified by the Contractor at his own cost. The Contractor would set up inspection facilities at Site

23. Forwarding of Materials :

The contractor shall have to arrange transport for forwarding any usable/ saleable materials that may be found during the process of execution of the work to the Trustees' Sales yard or any other site/ godown including labourers, transportation, loading, unloading all complete as per the direction of the Engineer or his representative at site. No separate payment will be made to the contractor on this account unless specifically mentioned in the B.O.Q.

24. 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 "Kolkata Port Trust" given without warranty of accuracy and neither the Trustees nor the Engineer will be liable for any discrepancies therein.

25. SAFETY MEASURES:

The contractor shall adhere to safe construction practice, guard against hazardous and unsafe working conditions and follow all safety precautions for prevention of injury or accidents and safeguarding life and property. The contractor shall comply with relevant provisions of Dock Workers (Safety, Health and Welfare) Act – 1986 and Dock Workers (Safety, Health and Welfare) Regulation – 1990 and Safety Officer of the Trustees or Safety Inspectors shall be afforded all facilities for inspection of the works, tools, plant, machineries, 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 –

23. No damage is caused to plants and vegetations unless the same is required for execution of the project proper.
24. 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.
25. 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.

26. HOLIDAY OR SUNDAY WORK:

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

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

27. 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' Engineer or his representative.

Charges for consumption of power shall be periodically recovered from the Contractor's Bill at the rates of KoPT as prevalent amended from time to time 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.

28. 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 purposes may be made available free of cost 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.

i) Under no circumstances, the contractor would be allowed to use such drinking water for constructional works.

ii) In any case Dock water will not be allowed to be used for any work including curing.

29. KEEPING THE SITE AND WORKING AREA CLEAR:

The Contractor shall at all times keep the site and working areas free from all surplus materials, rubbish and offensive matter all of which shall be disposed off in a manner to be approved by the Engineer's Representative.

30. Protection of existing services:

The contractor must pay full attention to the fact that the existing service facilities for users are not distributed at any time due to storing of materials and rubbish and take every precaution to keep the entrance passage clear if the same are being used by the laborers.

The contractor shall be held liable for all damage and interference to the existing service, caused by him in execution of works. Should any damage be done to the existing services, in general, the contractor shall make good the same and any further work considered necessary by the Engineer's representative without any delay otherwise the cost of such repairing shall be recovered for his running bill for which Engineer's decision shall be final and binding.

31. Cleaning during execution and after completion:

On completion of the works the contractor shall reinstate and make good at his own expense any property or land which might have been disturbed and/or damaged by his works. He should also clean the site as required during execution and fully clear the site after completion of all the works.

The contractor shall forward any usable materials found during the course of construction at the work site or its vicinity to KoPT stores/yards, dispose off the debris beyond the port area all at his own expenses by his own transport and labour and clean out all part of the work and leave everything clean and tidy to the entire satisfaction of the Engineer, failing which suitable deduction will be made from final bill as per discretion of the Engineer/Engineer's representative.

32. 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, S&P & Road) Schedule of Rates (2014), 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.

33. ON ACCOUNT PAYMENT:

On account payment to the Contractor shall be arranged as and when required at the discretion of the Engineer 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 Clause-6 of the General Conditions of Contract. The Bills should be submitted by the contractor in quadruplicate to the Office of the respective **Superintending Engineer (NSD) for Civil Works** and **Superintending Engineer (Elec-I) for Electrical Works** with necessary documents in original. Subject to the availability and feasibility of system, KoPT 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 KoPT.

34. LABOUR, TOOLS & PLANTS:

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

35. ESCALATION / VARIATION ON PRICES:

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

36. CONTRACT LABOUR LAWS:

The contractor shall be required to comply with the Minimum wages Acts 1948, Employees Liability Act, 1938, Industrial Disputes Act, 1947, and The Contract Labour (Regulation and Abolition) Act, 1970, or statutory amendments and the modifications thereof, any other laws relating thereto and the rules made there under from time to time. **Payment to the labourers to be made as per the minimum wage rates fixed by Chief Labour Commissioner (Central) and as per M.W.A. Govt. of W.B. whichever is higher and revision from time to time.**

It will be the duty of the contractor to abide by the provisions of the Act. Ordinances, Rules, Regulations, Byelaws and Procedures as are lawfully necessary in the execution of the works. The contractor will be fully responsible for any delay/damage etc. and keep the Engineer indemnified against all penalties and liabilities of any kind for noncompliance or infringement of such Acts, Ordinances, Rules, Regulations By-laws and Procedures. **The Contractor shall comply to the**

Employees' Bonus rules & to pay Bonus once a year to his workmen accordingly, for which no extra payment shall be made to the Contractor.

The contractor shall indemnify the KoPT against payment to be made under or for the observance of the laws aforesaid without prejudice to his right to claim indemnity from his subcontractor.

The aforesaid regulations shall be deemed to be a part of this contract and any breach thereof shall be deemed to be a Breach of Contract. It will be obligatory on the part of Contractor to obtain necessary Labour Licence from the Competent Authority for deploying requisite Nos. of labours in the work and submit to the Engineer-In-Charge prior to commencement of the work.

The contractor shall also be required to comply regarding 'Workmen Compensation Act, 1923 as amended by Amendment Act No.65 of 1976'

In addition to the above, the Personal Injuries (Compensation Insurance) Act, 1963 and any modifications thereof and rules made there under from time to time. The contractor shall take into account all the above said financial liabilities in his quoted rates and nothing extra, whatsoever, shall be payable to him on this account.

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 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.

37. COMPLIANCE WITH E.P.F & M. P. ACT & ESI Act 1948:

The successful contractor will have to comply with provision of EPF & MP Act 1952 and also for Employees State Insurance Act 1948 (along with amendments, if any), issued from time to time as applicable.

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.

Superintending Engineer (Kolkata), 15, Strand Road, Kolkata 700001 for Civil work & Superintending Engineer (Elec-I) for Electrical works at 8, G.R road, Kolkata-43.

38. INDEMNIFICATION:

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

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

39. TAXES & DUTIES: -

The prices quoted shall be including all statutory levies excluding GST, which shall be paid extra.

Supplier/service provider to confirm that the GST amount charged in invoice is declared in its returns and payment of taxes is also made.

- The Supplier/ Service Provider agrees to comply with all applicable GST laws, including GST acts ,rules, regulations, procedures, circulars & instructions thereunder applicable in India from time to time and to ensure that such compliance is done within the time prescribed under such laws. Supplier/Service Provider should ensure accurate transaction details, as required by GST laws, are timely uploaded in GSTN. In case there is any mismatch between the details so uploaded in GSTN by Supplier/ Service Provider and details available with Kolkata Port Trust, then payments to Supplier/Service Provider to the extent of GST relating to the invoices/s under mismatch may be retained from due payments till such time Kolkata Port Trust is not sure that accurate tax amount is finally reflected in the GSTN to KoPT's Account and is finally available to Kolkata Port Trust in terms of GST laws and that the credit of GST so taken by Kolkata Port Trust is not required to be reversed at a later date along with applicable interest.

- Kolkata Port Trust has the right to recover monetary loss including interest and penalty suffered by it due to any non-compliance of tax laws by the supplier/service provider. Any loss of input tax credit to Kolkata Port Trust for the fault of supplier shall be recovered by Kolkata Port Trust by way of adjustment in the consideration payable.
- Supplementary invoices/Debit note/credit note for price revisions to enable Kolkata Port Trust to claim tax benefit on the same shall be issued by bidder for a particular year before September of the succeeding Financial Year.

The purchase order/ work order shall be void, if at any point of time bidder is found to be a black listed dealer as per GSTN rating system and further no payment shall be entertained.

40. SETTLEMENT OF DISPUTES:

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.

41. Contractor to execute Contract Agreement:

The contractor after acceptance of his tender shall be required to enter into and execute a Contract Agreement to be prepared in the form annexed to the General Conditions of Contract together with such modifications as may be necessary within one month from the date of placement of the order. The contractor shall have to submit copies in sextuplets of all documents; correspondence, connected papers etc. as detailed in the above form of Contract Agreement together with the instrument of Contract Agreement prepared on Non-Judicial stamped paper of requisite denomination having five more copies made on plain paper all at his own cost. The successful tenderer shall have to submit three sets of such Contract Agreement duly executed, sealed, signed and witnessed for execution by the Trustees. The other three sets shall be completed in all respects but not signed. If the successful tenderer or tenderers are a partnership concern, they will have to get Agreement signed by all the partners or by the partner who is authorized to sign for and on behalf of the other partners.

The contractor shall also comply with the requirements of Security Deposit for the due fulfillment of the contract. The blank proforma of tender documents shall be supplied in sextuplets to the successful tenderer free of charge for preparing the documents of the aforesaid Contract Agreement.

The successful tenderer shall have to copy out and prepare the documents of the Contract Agreement neatly and correctly. The necessary amendments, corrections etc. (if any) have to be done at his own cost. The successful contractor shall be required to keep close co-ordination and liaison with the Traffic Department while executing the works. The **Superintending Engineer** in charge of the construction will direct the representatives of the contractor to maintain liaison with different sections of the other departments and the contractor must keep the concerned **Superintending Engineers of the Civil Engineering Department & Mechanical & Electrical Engineering Department** informed and/or posted with the programme contemplated with other departments. The Superintending Engineer of the Civil Engineering Department shall be nodal authority for Civil Works and **Superintending Engineer of the Mechanical and Electrical Engineering Department shall be nodal authority for Electrical Works** & in all these co-ordination and / or liaison and all programmes must be vetted by them. In cases of exigencies, the contractor or his representatives may establish direct liaison/co-ordination but in all such case the **Superintending Engineers** should be informed promptly.

Employment of Local Resources:

The contractor shall pay special attention to engage the maximum possible number of local Engineer, other technical personnel, office workers; labourers (skilled, semiskilled, unskilled) both at site and in office, details of such recruitment etc. shall be submitted to the Engineer periodically or as and when called for.

42. Calcutta Port Trust:

The expression “**CALCUTTA PORT TRUST**’ appearing anywhere in the tender documents, shall be construed to read as “**KOLKATA PORT TRUST**”.

43. Clarification of Bids:

To assist in the examination and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including breakup/analysis of unit rates. The request for clarification and the response shall be in writing, but no change in the price or substance of the Tender shall be sought, offered, or permitted except as required to conform the correction of arithmetic errors discovered by the Employer in the evaluation of the Tenders.

No Tenderer shall contact the Employer on any matter relating to his Tender from the time of the Tender opening to the time the contract is awarded. If the Tenderer wishes to bring additional information to the notice of the Employer, he should do so in writing.

Any effort by the Tenderer to influence the Employer’s Tender evaluation, Tender comparison or contract award decisions, may result in the rejection of his Tender.

44. Workmen and Wages:

The Contractor shall deliver, if ordered, a weekly return for all labour employed in writing in the requisite form as instructed by the Engineer or his representative.

The contractor shall have to engage sufficient number of technically qualified and skilled persons to supervise and execute the work **and this should be mentioned in the “Schedule-T” of the Contract.**

45. Rate for payment against extra Items:

For any unforeseen work not covered under the Bill of Quantities and Condition of Contract, depending on contingent situation at site, if required for successful completion of the work, extra items have to be carried out by the Contractor. If those items are already available in Trustees’ Schedule of rate, payment will be made on the basis of Trustees’ Schedule of rate; including surcharge in force at the time of acceptance of the tender, if any adopted by the Trustees with due regard to the accepted contractual percentage, if any, thereon, otherwise, if the rates are not available in the KoPT Schedule of Rates, then the Special Rates will be prepared as follows:-

- (i) The rate of payment of work involving labour & material shall be fixed on the following basis.
 - a) Cost of materials consumed including transport and wastage, plus
 - b) Cost of labour actually engaged in the works, plus
 - c) Taxes and Duties as applicable, plus
 - d) 16 % on the aggregate of (a) and (b) towards overhead, profit and cess.
- (ii) For any work involving only labour, rate of payment shall be fixed on cost of labour actually engaged in the work plus 11 % towards profit and cess.
- (iii) For only supply of any material at site, rate of payment shall be fixed on actual cost of material plus transport, loading & unloading (if any) plus 11 % towards profit and cess.

46. Disparity in quoted rate/amount.

If there is any disparity between the quoted rate in percentage and the Tender Amount, the rate quoted in percentage shall prevail as the rate quoted by the tenderer and the Tender Amount

shall be derived by adding/subtracting (as the case may be) this percentage with/from the Estimated Value put to tender. Similarly in case of disparity between the rate quoted in figures and in words, the rate quoted in words shall prevail.

47. Dock Permit:

For works inside the Docks, Dock permit required for men , materials, vehicles and equipments etc. are to be procured by the successful tenderer **at free of cost** as per recommendation of the executing departments/divisions indicating the specific number of free permits to be issued. But for creation of individual IDs in permit system a charge as applicable, will be levied per person (one time) even for companies/ Individuals who have been granted permission to obtain free permits by KoPT. In case the work has to be carried out in an operational zone, the tenderer should keep in mind that the work is to be executed without hampering the operational activities and should complete the work within the stipulated time specified in the tender.

48. Working Period:

Normally the work will be carried out between 8 A.M. to 5 P.M. on the Trustees' working days only. However, the tenderer should note that he might be required to carry out the job on Sundays, holidays and after normal working hours and at night in addition to the normal working hours to expedite the progress of the work if permitted by **Competent Authority**. The tenderer should include in his rates the cost, if any, involved on those accounts.

49. Bank Guarantee in lieu of Cash Security Deposit:

Security deposit shall be recovered from the On A/C. Bill as per **Clause – 3.4 and 3.5 of General Conditions of Contract**. However, Bank Guarantee may be considered in lieu of Cash Security Deposit. In that case, the Contractor shall have to submit to the Engineer a performance Bond in the form of an irrevocable guarantee from any Nationalized Bank at Kolkata in the proforma as given in the G.C.C. In this context **Clause 3.6 of G.C.C.** may be referred to.

50. Measures against pollution: -

The contractor shall have to take proper measures against environmental pollution during execution of work as directed by the Engineer.

The contractor shall, abide by all the regulations and rules of Kolkata Port Trust and those that may be issued from time to time without any extra cost to the KoPT.

51. Port Area Obligations:

The Dock area is a custom bounded area and as such the contractor shall comply with all regulations of the Port and Custom authorities and those that may be imposed from time to time in respect of the transit of all of contractors plants, vehicles, materials, and staff in the area. Whenever regulations so require, permits shall have to be obtained for such transit of contractor's plants, vehicles, staff and workmen. The contractor shall instruct his staff and workmen to comply with all requirements in this "Restricted Area".

The contractor shall suitably fence the area that may be allotted to him inside the "Bonded Area" of the port for stores and other requirements to the full satisfaction of the Port and Security Agencies. The contractor shall, abide by all the regulations and rules of Kolkata Port Trust and those that may be issued from time to time without any extra cost to the KoPT.

52. Defect Liability Period:

The defect liability period for the work is **1 (One) year** from the date of completion. During this period, if any defect arises the contractor is bound to repair the same or take any other action as directed by the Engineer including replacement of the defective portion and redoing the same at his own cost **within 7 days in case of repairing and 21 days in case of replacement and re-doing from receipt of such instruction** failing which the work may be done by the Trustees' by some

other agencies and the cost of which including 19 1/4 % departmental charges plus GST will be recovered from the security deposit or any other dues of the contractor.

53. Errors in the B.O.Q :

In case rate of particular item is printed erroneously in BOQ, the rate stated in the Schedule of rates will prevail over the rate misprinted in BOQ.

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ELECTRICAL PART(Part:C)

TECHNICAL SPECIFICATIONS

KOLKATA PORT TRUST GUEST HOUSE

Cable

1.01 Item Details: - Following size of XLPE insulated, armoured, overall PVC sheathed armoured Copper conductor cable of approved make of 1100 volts grade conforming to IS: 7098(Part – I) / 1988 with latest amendment, are included under the scope of this tender

- (i) 4C x 10 mm² XLPE insulated PVC sheathed armoured Cu conductor cable
- (ii) 4C x 16 mm² XLPE insulated PVC sheathed armoured Al conductor cable
- (iii) 3.5C x 70 mm² XLPE insulated PVC sheathed armoured Al conductor cable
- (iv) 3.5C x 120 mm² XLPE insulated PVC sheathed armoured Al conductor cable

± 5% variation will be allowed as per practice.

It shall be ensured that before dispatch, both ends of the cables are properly sealed to prevent ingress of moisture in the insulation. Direction of arrow must be marked on the cable drum.

Cable Laying

Before laying of Power Cables, Cable Routes should be checked properly to avoid interference with the existing cables, structures, drains, pipings, etc. as far as possible and minor adjustments to be done to suit the field conditions, wherever deemed necessary, without any extra cost.

Laying Underground:-

Cable shall be laid generally in accordance with I S:1255-1983. The average depth of trench for laying cable shall be as below:-

- i) Directly on ground - 0.75 m.
- ii) At road crossing - 1.00 m.

The trenches shall be excavated in reasonably straight line, and where there is a change in direction suitable curvature shall be provided with 12D radius where D is the diameter of the cable. Where gradients and changes in depth are unavoidable, this shall be gradual, except where otherwise directed by the Engineer. The cable shall be laid on a cushion of sand, protected with bricks placed on both sides (along the length of the cable) and top (across the length of the cable). After laying of the cable the duct shall have to be filled up by sand. Where cables run in parallel, separate ducts as stated shall have to be provided. G.I. pipe shall have to be used where cable pass through walls, roads, drains, culverts, railway line etc. GI pipe also shall be used if depth of cable trench is less than 750mm and further excavation is not possible due to obstruction of existing material, which will be paid in actual. For one run of cable one GI pipe is to be considered. In other word two or more run of cable will not pass through one pipe. The cable trench shall be filled back with riddled soil obtained from excavation. This shall be done in layer and compacted. Cable route marker shall have to be provided at a maximum distance of 50m.

Laying on wall or structure:-

Where cable shall be laid on wall or structure, the cable shall be laid by using MS Clamp of adequate strength and size. The maximum distance between clamps shall not be more than 400mm. The cable shall run as straight as possible. There shall be GI pipe protection of 1 meter from each floor level during vertical run. When the cable shall pass through wall/floor etc pipe protection shall have to be given. Wherever cable shall be required to be laid inside the building, the cable shall be laid on perforated GI Tray of adequate size and mechanical strength. The tray shall be rigidly fixed on wall in a proper manner at suitable height using MS angle. The cable shall be fixed on tray using MS clamp of proper size and thickness at a distance should not be more than 300mm. In case cable pass from one building to another

building; GI protection pipe of adequate size is to be provided with proper fixing. Neatness must be maintained.

Laying through existing trench :-

Cable shall be laid through existing heavy duty RCC/ Hume Pipe/ GI Pipe / Open masonry trench inclusive supply of RC covers, if required, setting them in order, mending good the damages filling the open masonry trench with dry sand. Cables should be handled carefully during installation to prevent mechanical injury to the cables. Ends of cables leaving trenches should be coiled and provided with a protective pipe or cover, until such times, the final terminations to the equipment are completed. After re-filling the trench with soil, rammed and levelled, Insulation Test of the cable should be carried out in presence of the Engineer. Any cable, which is found defective, should be replaced before the next group of cables is laid. All cables will be identified close to their termination points by Cable Number / Equipment Number, which will be punched on Aluminium Straps (approx. 2 mm. thick) securely fastened to the cable and wrapped around it. Type and size of the cable also to be punched on the Aluminium Straps. In unpaved areas, Cable Trenches should be identified by means of Cable Route Markers. These markers should be placed at location of changes in the direction of cables and at intervals of not more than 30 meters on fixed structure. All temporary ends of cables must be protected against dirt and moisture to prevent damage to the insulation. For this purpose, ends of the cables should be covered with PVC insulating tape.

Before energizing, the insulation resistance of every cable shall have to be measured. The contractor shall have to submit the detailed cable route diagram, with detailing of the Hume Pipes & G.I. Pipes used, position of the Straight through Cable Joints etc. for checking at Engineer's end and subsequent approval of the same. As built drawing (in triplicate) of the above cable route shall have to be submitted after completion of the above work. Cable length should be measured jointly prior to giving clearance for earth back filling etc.

Termination and Finishing :-

Termination of cable shall have to be made by using suitable compression cable gland and sockets by crimping to the size of the cable

LT Distribution Board:

Vertical double door TPN MCB Power Distribution Board with IP-43 protection along with Incomers and Outgoings as specified in the BOQ is to be provided. Terminal and Interconnection with suitable size of copper wire, extended terminals/spreader link sets and neutral link & provision for earthing attachment is to be provided.

Installation

Such DBs are required to be installed flushed on the wall with double earth protection. They are to be Installed, Tested and Commissioned with suitable arrangement mending good the damages to the original finish.

Light Fittings

Item details

- (a) 38W/42 W LED PANEL LIGHT Fittings having min 3600 lm, 100 lm/Watt efficacy, 3000K Colour Temp. complete with all accessories and duly interconnection wire are to be provided.
- (b) 120 Watt WALL MOUNTED LED LIGHT FIXTURES having min 115 lm/watt efficacy, colour temp. Min 5700K, Operating voltage range: 140 -270V complete with all accessories and duly interconnection wire are to be provided.
- (c) 9/10 watt LED Bulk head fitting with die cast aluminium housing & frosted glass on wall/ceiling are to be supplied.

- (d) HIGH BAY 80W LED FIXTURES having min 120 lm/watt efficacy, 60 degree beam angle, power factor ≥ 0.95 , colour temp. Min 5700K, Operating voltage range: 140 -270V with Aluminum
- (e) alloy pressure die casted housing with driver unit and all other accessories like interconnection wire are to be supplied
- (f) RECESSED MOUNTED 15W LED LIGHT FIXTURES having 110 degree Luminaire light beam spread, colour temp. Min 6500K, Operating voltage range: 220-240V complete with all and duly interconnection wire are to be supplied.
- (g) 60 W(min) LED decorative Post Top light fixture having min 80 lm/watt efficacy, power factor ≥ 0.95 , colour temp. Min 5700K, Operating voltage range: 140 -270V, IP 65 protection with Elegantly designed die-cast aluminum housing and heat sink for efficient thermal management, sturdiness etc. accessories complete in all respect are to be supplied
- (h) Recess Mounted 36W/40W LED light fixture for diffused lighting and with all required accessories complete in all respect are to be supplied
- (i) 12W LED down light fixture having 1000 lm, colour temperature min 6500K with all required accessories complete in all respect are to be supplied
- (j) 13W LED Vetro Wall light fixture with all required accessories complete in all respect are to be supplied.

Installation

The above LED fittings and other accessories shall be installed on the wall/ ceiling as per site requirement. Cost of round block/down rod/Chain for Down Light fittings should be included in the installation wherever required.

Ceiling Fans, Wall fans and Exhaust Fans

Item details

Energy saving, 3 blade, ball bearing type, armature with copper winding, ceiling fan of 1200 mm sweep complete with blade, canopy of approved make of appropriate colour are to be provided.

Installation

The ceiling fans complete with blades, canopy, fork, rubber and 400 W electronic step regulator are to be installed in the ceiling hook. Down rods are to be provided wherever necessary.

Distribution Wiring, Point wiring:

Details are given in **BOQ** items

Earthing :

All distribution boxes shall have to be earthed in accordance with the requirement of Indian Electricity Rules and IS 3043. Interconnections of two earth stations have to be done by 25 x 6 mm GI flats shall be used for same.

Earthing shall be provided with 50 mm dia GI pipe 3.64 mm thick x 3.00 Mts long and 1x4 SWG GI (Hot Dip) wire (4 Mts. Long), 13 mm dia x 80 mm long GI bolts, double nuts, double washers incl. S & F 15 mm dia GI pipe protection (1 Mt. long) to be filled with bitumen, partly under the ground level and partly above ground level driven to an average depth of 3.65 Mts. below the ground level & restoring surface duly rammed.

Masonry enclosure shall be provided on the top of earth electrode of overall size 86.36cm x 86.36cm x 46cm deep (below Ground level) complete with cemented brickwork (1:6) of 25 cm width duly plastered with cement mortar (inside) CI hinged inspection cover of size 35.56 x 35.56 cm with locking arrangement, GI reducer including drilling of 46 nos 12 mm dia holes on the GI pipe and treatment of soil by using salt & charcoal or coke for plate electrode.

Other Items specifically not mentioned in the T.S. shall be as per BOQ. Any other item required for installation but specifically not mentioned either in the BOQ or the T.S. like requisite length of MS

Pipes, clamps and accessories shall be deemed to be included in the rates for installation of the items for which these items are intended. Tenderers are advised to build up the installation prices accordingly. Any claim in this regard on the plea that the item is not specifically mentioned shall not be entertained.

FIRE ALARM

Fire Alarm Control panel

The Fire Alarm Control Panel should be completely modular system construction and should allow it to be used in almost any system, from small systems up to networked systems covering a large area.

Basic Configuration of Fire Alarm Control Panel shall include:

- Fully-redundant microprocessor technology. Full redundancy of the panel for backup in the event of an error. All hardware components of the devices as well as bus connections, shall be doubly (redundantly) laid out.
- Around 240 character LC display for displaying the system status in plain text (alarms, faults etc.).
- Each loop capacity should comprise a minimum of 250 addressable detectors & devices (any combination of detectors & devices).
- Acoustic and optical alarm notification for alarms and faults.
- Self-testing cyclical test routines, with fully-automatic and detailed fault reporting.
- Possibility to manually test the control panel and its functions.
- Plain text indication of individual detectors and indicator zones.
- All modules shall be fully-redundant.
- Emergency power supply for a supply interruption period of 24 hours.
- One point monitoring for all detector zones.
- Alarm counter.
- Real time clock and Recognition and evaluation of the status of detectors along with this all other parameters that are required for making the addressable type control panel full proof should be maintained.

MULTI SENSOR DETECTOR

The Multi Sensor Detector shall be deployed as a smoke detector, heat detector or as a combination detector, as per the site requirement.

- Principle of function shall be "Scattered light" and "NTC sensor".
- Smoke detection shall also always involve temperature evaluation.
- In the event of a rapid increase in temperature, it should get annunciated with out the formation of smoke.
- Smoke and temperature sensors would be able to be activated and disabled separately.
- Automatic changeover based on time of day /season to season.
- The highest degree of safety should be maintained by detecting smoke particles of all sizes.
- Detectors should have in-built integrated short circuit isolator which shall ensure, in the event of a wire break or a short circuit, the fault is localised and that the operation the loop circuit continues unimpeded.
- The detectors should constantly monitor their surrounding conditions with regard to absolute highest temperature and relative temperature increase and should calculate the optimum smoke and heat sensitivity for the area it is deployed in based on these factors. The sensitivity should always remain within the range set out in standards.

- Detectors should be capable of constant self tests and should have resistant against environmental influences.
- Detectors shall have in-built over voltage protection.

MANUAL CALL POINT

The addressable Manual Call Point (MCP) should be capable to manually trigger a fire alarm and should be suitable for connecting to OEMs loop technology. The MCPs should contain a short circuit isolator and a red alarm LED. The alarm should be triggered by smashing the glass panel, with the alarm remaining in alarm state until a new glass panel is inserted.

ADDRESSABLE LOOP POWERED SOUNDER:

The Addressable loop powered sounder should emit signal for acoustic signalling of a fire alarm in indoor areas, suitable for direct connection to the loop. The siren should be red in colour, with four different types of tone and the volume being set using switches.

The Parameters of loop powered sounder should be

- Signal volume: 89 to 99 dB / 1 m (dependent on sound)
- Short Circuit Isolator: Integrated

ADDRESSABLE CONTROL MODULE:

The control module should contain 2 relays each containing a potential-free double-throw contact with the power supply also being internally monitored on the loop circuit for under voltage. It should be able to monitor PFC contacts either from beam detector, flow switch like devices. It should also contain an integrated short-circuit isolator. The protection class of Input module shall be IP 66 with case and operating ambient temperature range shall be -20 to +60°C.

RESPONSE INDICATOR:

The response indicators should have to be of approved quality. Dual LED should be there and should get actuate at the time fire detected in the detector connected with it.

JUNCTION BOX:

4"/4" metal Junction box made of 16SWG sheet steel is to be provided for mounting of detectors in the concrete mother ceiling along with necessary glanding.

Cables

Item Details: - Following sizes of XLPE insulated, armoured, overall PVC sheathed FRLS Copper conductor cable of approved make of 1100 volts grade conforming to IS: 7098(Part – I) / 1988 with latest amendment, are included under the scope of this tender

- a 2 C X 1.5 sq.mm XLPE insulated PVC sheathed FRLS armoured Copper cable
- ± 5% variation will be allowed as per practice.

List of Approved Makes

Item	Make
MCCB / MCB / DBs/Sub DBS/ Switch fuse unit/Main Switch/ Changeover switch	ABB/Siemens/ Havells/L&T/ Crompton / Legrand / any other reputed make
Luminaries, lamps.	Philips/ Havells/ Crompton/ Wipro /any other reputed make
PVC Copper wire of FRLS type for internal wiring	Finolex/Havells/KEI/Polycab/ any other reputed make
Piano type switches/ Socket/Ceiling Rose/ Electronic regulator.	Havells/Anchor/Ellora/Precision/ Rider/ /Pritam/Sleek/any other reputed make.
L.T. power cable	Havells/Gloster/Polycab
Ceiling Fan	Havells/Usha/Orient/Crompton Greaves/ Bajaj

Main Fire Alarm Panel	Schrack Seconet / Hochiki /Detectomat /Bosch/Honeywell/Agni /Ravel/Gent or any other reputed make
Multicriteria detector /	Schrack Seconet / Hochiki /Detectomat /Bosch/Honeywell/Agni /Ravel/Gent or any other reputed make
Manual Call Point	Schrack Seconet / Hochiki /Detectomat /Bosch/Honeywell/Agni /Ravel/Gent or any other reputed make
Electronic Hooter/sounder	Schrack Seconet / Hochiki /Detectomat /Bosch/Honeywell/Agni /Ravel/Gent or any other reputed make
Rate of Rise Heat Detector	Apollo / System Sensor/GE
Control / Monitor Module unit	Schrack Seconet / Hochiki /Detectomat /Bosch/Honeywell/Agni /Ravel/Gent or any other reputed make
Response indicator	Globe / Agni /Gent /Bosch or any other reputed make
G.I. Pipes	ITC / TATA / Jindal

- **Any other reputed make will only be considered if none of the approved make as mentioned in the above list is not available for some reason or the other which is to be acceptable to CME.**

Inspection and Testing:

Inspection of the items to be supplied by the contractor will be carried out by the Engineer or his representative prior to dispatch. Inspection and testing will be carried out by KoPT Engineer. Inspection will be carried out as applicable as per relevant Standard/ Technical Specification/ Approved Drawing etc. Manufacturer's Test and guarantee certificate as applicable will have to be submitted for verification. High voltage, Insulation Resistance, Earth Continuity and Earth Resistance tests etc. as applicable prior to commissioning are to be carried out for electrical installation including LT cable (if any). All pre commissioning tests shall be carried out by the authorized representative of the firm having valid Supervisor's Certificate of Competency.

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

SCHEDULE T **Annexure-C(Contd)**
KOLKATA PORT TRUST
CONCURRENT COMMITMENT(S) OF THE BIDDER (i.e Works In The Hand Of The
Bidder At

The Time Of Submission Of Tender Offer)
(To be submitted with Part-I of Offer)
Bidders must fill in the under noted columns.

Sl. No.	Full particulars of works to be executed concurrently by the bidder. (i) Name of work. (ii) Client. (iii) W.O. No. & Date.	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)			

(To be submitted with Part-I of Offer) Annexure-C(Contd)
SCHEDULE 'O' SHEET – 1

The Bidders are also requested to furnish the following particulars:-

A) In case of Limited Company -

- 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 **three years**. :

B) In case of a firm -

- 1) Name and address of the firm. :
- 2) When business started :
- 3) If registered a certified copy of certificate of registration. :
- 4) A certified copy of the Deed of Partnership :
- 5) 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. :
- 6) Whether the firm pays income tax over Rs.10, 000/- per year :

(To be submitted with Part-I of Offer)**SCHEDULE 'O' SHEET – 2.**

C) In case of an Individual:

- 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) Whether the Bidder pays Income Tax over :
Rs.10, 000/- per year.

Dated:

(Full signature of Bidder)

(Proforma of Performance certificate/credential of works)

[To be issued on issuing authority's letterhead duly signed with office seal]

1.	Name of the Certifying Authority:	
2.	Name of the work :	
3.	Name of the Contractor :	
4.	Schedule date of commencement and completion of the work as per Work Order :	
5.	Date of actual commencement of work & date of actual completion :	
6.	i) If there is time overrun, whether delay is due to the contractor (Yes/No.): ii) If yes, what is the extent of delay attributable to the contractor :	
7.	Sanctioned Tender value & Actual value executed :	
8.	Quality of work (Excellent/satisfactory/poor) :	
9.	Remarks (If any) :	

ANNEXURE – D**DOCUMENTS TO BE UPLOADED ALONG WITH PART –I****Scanned copy of the following documents to be uploaded:-**

- i) GST registration certificate.
- ii) Valid Trade Licence(Valid for current period & also for type of work).
- iii) Valid Professional Tax Clearance Certificate / Up to date tax payment challan. If this is not applicable, the bidder must submit a declaration in this regard.
- iv) Proof of possessing valid Employees' Provident Fund (EPF) Account.EPF Registration Certificate.
- v) Proof of being registered with Employees' State Insurance Corporation (ESIC), ESI Registration Certificate
- vi) Details of the firm as per Schedule-O (in Part-I) of the tender document duly filled up.
- vii) 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.
- viii) Balance sheet and Profit and Loss account / Trading account for the last 3 (three) financial years (i.e. 2015-2016,2016-2017 & 2017-2018). The same should be audited as per relevant norms wherever required.
- ix) Bank Draft/ Pay Order etc. regarding EMD & Cost of Tender documents / valid NSIC certificate
- x) PAN Card
- xi) A list of technically qualified and skilled persons would be engaged to supervise and execute the work
- xii) Self declaration of the bidder that the Bidding Firm has Not been debarred / de- listed by any Govt / Quasi Govt. / Public Sector undertaking in India **(to be mentioned in the letter head of the Firm).**
- xiii) Self declaration regarding 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 **(to be mentioned in the letter head of the Firm).**
- xiv) 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 'Annexure-C' (Schedule –T) in Part-I of the tender document.
- xv) Undertaking of the tenderer to be submitted as per enclosed Pro-forma (Annexure –D-1) in lieu of submission of signed copies of the full Tender document ,G.C.C,addenda & corrigendum **in the letter head of the Firm.** 39
- xvi) Last page of "Bill Of Quantities" & the "Form Of Tender" duly filled up (without price quoted) shall be duly signed and stamped by the Bidder.

N.B.-1 The bidder will have to produce the original documents or any additional documents, if asked for, to satisfy the Authorities.

N.B.-2 Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements and their **EMD will be forfeited for such action**.

ANNEXURE –D-1**NIT NO. KOPT/KDS/CIV /T/2321/72/1 Dt. 17.04.19****[DOCUMENT TO BE DOWNLOADED, FILLED IN UNDER BIDDER'S LETTERHEAD, SIGNED,
SCANNED AND UPLOADED]****Undertaking to be submitted in lieu of uploading/submitting signed copy of full tender document**

Ref. No.....

Dated:

The Chief Engineer,
Kolkata Port Trust,
Civil Engineering Department,
15, Strand Road,
Kolkata – 700 001

Dear Sir,

1. We,(Name of Tenderer) have fully read and understood the entire Tender Document, GCC, Corrigendum and Addenda, if any, downloaded from under the instant e-tender and no other source, and will comply to the said document, GCC, Corrigendum and Addenda.

We are submitting this undertaking in lieu of submission of signed copy of the full tender documents GCC, Corrigendum and Addenda.

Yours faithfully,

Signature of Tenderer.....

Name:

Designation:

Date :

Seal of the tenderer.....

Annexure –E

कोलकाता पतन यास

Kolkata Port Trust

सवल इंजीनयरंगवभाग

CIVIL ENGINEERING DEPARTMENT

15, ड रोड, कोलकाता -700001

15, Strand Road, Kolkata - 700001

NIT No.: KOPT/KDS/CIV /T/2321/72/1 Dt. 17.04.2019

NOTE: Last Date of **Download** of tender documents : **23.05.19 (up to 14.00 hours)**Tender is due for submission by 3:00 P.M. On **23.05.19****PRICE BID(PART-II)**

Construction of 4NSD main gate at Netaji Subhas Dock including development
of outside area of 4 NSD gate & rail gate,electrical works &
other allied works , Kolkata Port Trust.

Annexure-E(Contd.)

E-TENDER FOR "Construction of 4NSD main gate at Netaji Subhas Dock including development of outside area of 4 NSD gate & rail gate,electrical works & other allied works , Kolkata Port Trust."

NIT NO : KOPT/KDS/CIV /T/2321/72/1 Dt. 17.04.2019

PART –II/PRICE BID**TENDER PARTICULARS**

ESTIMATED COST	:	Rs. 4,22,38,115.36 (Rupees Four crore twenty five lakh thirty eight thousand one hundred twelve and paise seventy five only)
EARNEST MONEY	:	Rs.8,44,800/- (Rupees Eight lakh fifty thousand eight hundred only)
TIME OF COMPLETION	:	6(Six) Months
COST OF TENDER DOCUMENTS		Rs.2950/-(Rupees two thousand nine hundred fifty only)
PERIOD OF DOWNLOAD OF E-TENDER (Both Days Inclusive)		18.04.2019 to 23.05.2019 (UPTO 14:00 HRS.)
DATE AND TIME FOR PRE-BID MEETING & SITE VISIT	:	11-30 AM on 02.05.19 in the chamber of the Chief Engineer at Head Office at 15, Strand Road,Kolkata-1
LAST DATE OF SUBMISSION OF E-TENDER AND OPENING OF THE TENDER	:	23.05.2019 Submission Up to 15:00 hrs. Opening atr 3-00 P.M on 24.05.2019

कोलकाता पतन यास
KOLKATA PORT TRUST
सवल इंजीनयरिंग वभाग
CIVIL ENGINEERING DEPARTMENT
PREAMBLE TO THE BILL OF QUANTITIES

E-TENDER FOR “Construction of 4NSD main gate at Netaji Subhas Dock including development of outside area of 4 NSD gate & rail gate, electrical works & other allied works , Kolkata Port Trust.”

TENDER NO : KOPT/KDS/CIV /T/2321/72/1 Dt. 17.04.2019

The Bill of Quantities must be read with the General Conditions of Contract, the Special Conditions of Contract and the Particular Specifications of Work and the Bidder is deemed to have examined the above documents and to have thoroughly familiarise himself with the total scope of work and its mode of execution.

1.2 The quantities given in the Bill of Quantities are approximate only and are given to provide a common basis for tendering. Payment will be made according to the quantities of each item of work actually carried out at the accepted rates as per Order Letter. The measurements of each item of work shall be measured jointly by the Engineer or his Representative.

1.3 General direction and description of work or materials given elsewhere in the contract documents are not necessarily repeated in the description of items in the Bill of Quantities.

1.4 The prices and rates entered by the Contractor in the Bill of Quantities shall be deemed to cover the complete and finished work, inter-alia, all costs and expenses which may be required for successful completion of the works together with all risks, liabilities, contingencies, insurance, octroi, royalties, taxes and obligations imposed or implied by the Contractor.

1.5 Where separate items such mobilisation, demobilisation, temporary works etc., have not been provided in the Bill of Quantities for works required under the Contract, then the cost of such works shall be deemed to have been included in the prices and rates of other items.

1.6 Without affecting the generality of the foregoing provisions, the prices and rates entered in the Bill of Quantities by the Contractor shall include inter-alia, all costs and expenses involved in or arising out the followings:-

1.7 The provision, storage, transport, handling, use distribution and maintenance of all materials, plants, equipment machineries and tools including all costs, charges dues demurrages or other outlays involved in the transportation.

1.8 The provision and maintenance of all his staff and labours and their payments, accommodation, transport, taxes and other requirements.

1.9 Setting out including the location and preservation of survey markers, measurement and supervision.

2.0 The provision, storage, transport, use handling, distribution and maintenance of consumable stores, fuel, water and electricity.

2.1 All First Aid, Welfare and safety requirements.

2.2 Damage caused to the works, plants, materials and consumables stores caused by weather.

2.3 Licence, fees and other charges for compliance of Government Acts and Rules that are inforce and applicable.

- 2.4 The Contractor should be held responsible for the safe custody of materials, machineries etc. at site procured by him or issued to him by the Trustees.
- 2.5 This being an **item rate tender**, the Bidder shall quote his rates against each item of the tender **on line** based on his own analysis .
The Tender Price thus established would be taken for comparative evaluation of E-Tenderer.
- 2.6 The Contractor shall at all times keep the site and working areas free from all surplus materials, rubbish , other excavated/offensive matter etc. all of which shall be disposed off in a manner to be approved by the Engineer's Representative.
- 2.7 On completion of the works the contractor shall reinstate and make good at his own expense any property or land which might have been disturbed and/or damaged by his works. He should also clean the site as required during execution and fully clear the site after completion of all the works.
- The contractor shall forward any usable materials found during the course of construction at the work site or its vicinity to KoPT stores/yards, dispose off the debris beyond the port area all at his own expenses by his own transport and labour and clean out all part of the work and leave everything clean and tidy to the entire satisfaction of the Engineer, failing which suitable deduction will be made from final bill as per discretion of the Engineer/Engineer's representative.

XX

कोलकाता पतन यास
Kolkata Port Trust
सवल इंजीनयरिंग वभाग
CIVIL ENGINEERING DEPARTMENT
BILL OF QUANTITIES

E-TENDER FOR "Construction of 4NSD main gate at Netaji Subhas Dock including development of outside area of 4 NSD gate & rail gate, electrical works & other allied works , Kolkata Port Trust."

TENDER NO : KOPT/KDS/CIV /T/2321/72/1

Dt. 17.04.2019

BILL OF QUANTITIES

PART A: Design of 4 no. NSD gate at Netaji Subhas Dock, Kolkata Port Trust.

SECTION-1 BUILDING WORKS

Item No.	Description Of Item	Quantity	Rate Rs. P.	Unit	Amount Rs. P.
1	EARTH WORK : Surface Dressing of the ground in any kind of soil including removing vegetation inequalities not exceeding 15 cm depth and disposal of the rubbish within a lead upto 75 m as directed.	1500 Sqm.		Sqm.	
2(a)	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. Depth of excavation not exceeding 1,500 mm. (at 1.5 m)	520 Cum		Cum	
2(b)	Depth of excavation for additional depth beyond 1,500 mm. and upto 3,000 mm. but not requiring shoring.	350 Cum		Cum	
3	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.	770 Cum		Cum	
4	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on	60 Cum		Cum	

	measurement of finished quantity)				
5	BRICKWORKS : Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.	900 Sqm.		Sqm	
6	Labour for laying single brick flat soling including ramming and dressing bed to proper level and filling joints with powdered earth.	900 Sqm.		Sqm	
7	Brick work with 1st class bricks in cement mortar (1:4) In superstructure, ground floor	200 Cum		Cum	
8	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.	100 Sqm		Sqm	
9	Cement concrete with graded stone ballast (40 mm size excluding shuttering) In ground floor Pakur Variety 1:3:6 proportion	100 Cum		Cum	
10	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes. Pakur Variety	1 Cum		Cum	
11(a)	Controlled Cement concrete with well graded stone chips (20 mm nominal size) excluding shuttering and reinforcement with complete design of concrete as per IS : 456 and relevant special publications, submission of job mix formula after preliminary mix design after testing of concrete cubes as per direction of Engineer-in charge. Consumption of cement will not be less than 300 Kg of cement with Super plasticiser per cubic meter of controlled concrete but actual consumption will be determined on the basis of preliminary test and job mix formula. In ground floor and foundation.[using concrete mixture] M 25 Grade Pakur Variety	300 Cum		Cum	
11(b)	Add extra over the rate of ground floor for basement and each additional floor above ground floor for items 1, 4 to 22 of sub Upto 4 th floor.	70 Cum		Cum	
12	Supplying, fitting and fixing Fan Hook for ceiling with 1 metre long 16mm. dia rod complete including mending damages. Payment for damage and repair to be made separately	4 Nos.		Nos.	
13	Hire and labour charges for shuttering with centering and necessary staging	3120 Sqm.		Sqm	

	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 (upto roof of ground floor) Above 30 mm & upto 37 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.				
14	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction. For works in foundation, basement and upto roof of ground floor/upto 4 m Tor steel/Mild Steel SAIL/TATA/RINL	39 Mtr.		Mtr.	
15	FLOORING : A. ORIGINAL WORKS : 25mm. thick damp proof course with cement concrete with stone chips (1:1.5:3) [with graded stone aggregate 10 mm nominal size] and admixture of water proofing compound as per manufacturer's specification followed by two coat of polymer based paint, (1st coat after 4 to 5 days of concrete laying and 2 nd coat just before brick masonry work) as directed (cost of water proofing compound & polymer based paint to be paid separately).(Chequering not required over concrete or painted surface). [Note: - Waterproofing as per item 9, polymer based paint as per item 8 (a) of subhead C of Section (C).	100 Sqm		Sqm	
16	Supplying and laying Polythene Sheet (150gm / sq.m.) over damp proof course or below flooring or roof terracing or in foundation or in foundation trenches.	1256 Sqm.		Sqm	
17	18 mm. to 22 mm. thick, kota stone slab set in 20 mm thick (avg) cement mortar (1:4) in floor, stair & lobby including pointing in cement slurry with admixture of pigment matching the stone shade, including grinding & polishing as per direction of Engineer - in - charge to match with the existing work. [Slurry for bedding @ 4.4 kg/Sq.m and pointing @2.0 kg/Sq.m]	545 Sqm.		Sqm	
18	Extra cost of labour for prefinished and	90 Mtr.		Mtr.	

	premoulded Nosing to treads of steps, railing, window sill etc. of Kota Stone.				
19(a)	Supplying, fitting & fixing granite slab 15mm to 18mm thick in floor, lobby, stair, landing and treads etc. over 20mm (avg) thick base of cement mortar (1:2) laid with white cement slurry @ 4.40Kg per Square meter before placing of granite and jointed with white cement slurry @ 2.0 Kg per square meter with necessary pigments and complete as per direction of Engineer-in-charge including cost of all materials, labours, curing and roughening of concrete surface complete. In ground floor: Area of each Granite slab 0.6 to 1.0 Square meter. Add extra for each addl, floor over the rate for item A(33, 34)	27 Sqm.		Sqm	
19(b)	upto 4 th floor- Rs. 12/-per Sq.m	3 Sqm		Sqm/Floor	
20(a)	Supplying and laying true to line and level Double Charge Vitrified Tiles of approved brand conforming to IS 15622: 2006 (Group B I a) and tested as per IS 13630:2006 (relevant parts) [Non-modular sizes for tiles with Water Absorption (av.) $\leq 0.08\%$] in floor, skirting etc. set in 20 mm thick sand cement mortar (1:4) bed prepared after application of slurry using 1.75Kg of cement per Sqm over the base and 2mm thick cement slurry using cement @2.91Kg./sqm at the back side of the tiles and laid over the mortar bed using 0.2 kg/sqm of White cement used for joint filling with approved pigment as directed and removal of wax coating of top surface of tiles with warm water and polishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials,labour and all other incidental charges complete true to the manufacturer's specification and direction of Engineer-in-Charge. (Note: This work should not be executed without specific permission of Superintending Engineer) In Ground Floor:(size not less than 800mmX 800 mm X 10.2 mm thick)	140 Sqm.		Sqm	
20(b)	Add extra for each addl, floor over the rate for Ground Floor (I) upto 4 the floor- Rs. 12/-per Sq.m	3 Sqm		Sqm/Floor	
21(a)	WATERPROOF TREATMENT: Supplying and laying standard four course bituminous water proofing treatment as per specification laid down in I.S. 1346 - 1991 to be finished with pea size gravel including necessary	60 Sqm.		Sqm	

	<p>preparatory works such as shaping mouth of outlets, cutting as and where necessary and refilling with sand and Cement mortar (4:1) or Cement Concrete (1:2:4) with graded stone chips before undertaking the treatment including cutting grooves in parapet and inserting edge of felt and mending good damage complete in all respect as per direction of Engineer - in - Charge including cost of all materials and labours and incidental charges but excluding the cost of Cement Mortar or concrete required for levelling and grading. (In sloped roof Course sand of approved varieties is to be used in place of Pea size gravels as fourth and final course.)</p> <p>i) 1st and 3rd Course with bonding materials of hot applied industrial blown type bitumen of grade 85/25 or 90/15 conforming to I.S.702 - 1988 @ 12Kg/10Sqm on each layer.</p> <p>ii) 2nd course with Hessian base self finished bitumen type3 Gr.-I conforming to I.S. 1322-1993 (weighing 23kg/10Sqm gross with bitumen content 12.10kg/10Sqm) tested under the provision of I.S. 13826 - 1993 part VII</p> <p>iii) 4th course with washed and clean pea sized gravel or grit @ 0.006 cum/Sqm.</p> <p>Over Flat Roof</p>				
21(b)	Over Slopped Roof	845 Sqm.		Sqm	
22(a)	<p>ORIGINAL WORKS:</p> <p>M.S. structural works in columns, beams etc. with simple rolled structural members (e.g. joists, angle, channel sections conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-incharge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc welding conforming to IS: 816- 1969 & IS: 1995 using electrodes of approved make and brand conforming to IS:814- 2004, haulage, hoisting and erection all complete. The rate includes the cost of rolled steel section, consumables such as electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental chages such as electricity charges, labour</p>	70 MT		MT	

	<p>insurance charges etc.</p> <p>Payment to be made on the basis of calculated weight of structural members only in finished work as per IS specified weight. Payment for gusset, bracket, cleat, rivets, bolts and nuts may be made by adding the actual weight of such items with the weight of finished structural members or 7% of weight for finished structural members weighing not less than 22.5 Kg. / m. or 15 % of weight for finished structural members weighing less than 22.5 Kg. / m. may be increased allow for bracket, cleat, rivet, bolts and nuts etc. and no separate payment being made for these items, as per direction of Engineer In Charge. The rates are considered for a height of erection 8m. / 2nd floor level from the ground. Add 1.5% extra over the rate for each additional floor or 4m. beyond initial 8m. or part thereof.</p> <p>For built up sections / structural members of specified sections weighing not less than 22.5 Kg./m upto 8 m</p>				
22(b)	Add for height beyond 8 m upto 12 m	20 MT		MT	
22(c)	Add for height beyond 12 m upto 16 m	15 MT		MT	
23	<p>M.S. structural works with hollow sections (square or rectangular shape) conforming to IS: 806-1968 & IS:1161-1998) connected to one another with bracket, gusset, cleat as per design, drawing & direction of Engineer-in-Charge complete including cutting to requisite shape & size, fabrication including metal arc welding conforming to IS: 816-1969 & IS: 9595 using electrodes of approved make and brand conforming to IS:814- 2004, haulage, hoisting and erection all complete. The rate includes the cost of all M.S. Hollow section, all consumables such as electrodes, gas and hire charges of all tools and plants and labour required for execution and all incidental charges (such as electricity, labour insurance) etc. complete.</p> <p>Payment to be made on the basis of calculated weight of structural members of MS Hollow Section as specified in relevant IS code in finished work. Payment for gusset, bracket, cleat may be made by adding the actual weight of such items with weight of finished structural members. The rates are considered for a height of erection 8 m. /</p>	5 MT		MT	

	2nd floor level from the ground. Add 1.5 % extra over the rate for each additional floor or 4m. beyond the initial 8 m. or part thereof. For other structural works like galleries etc.				
24	G. WOOD & PVC WORKS: A. DOOR WINDOW FRAME: Wood work in door and window frame fitted and fixed in position complete including a protective coat of painting at the contact surface of the frame exluding cost of concrete, Iron Butt Hinges and M.S clamps. (The quantum should be correted upto three decimals). Sal : Siliguri.	0.160 Cum.		Cum	
25	Supplying solid flush type doors of commercial quality, the timber frame consisting of top and bottom rails and side styles of well seasoned timber 65mm wide each and the entire frame fitted with 37.5mm wide battens places both ways in order to make the door of solid core and internal lipping with Garjan or similar wood veneers using phenol formaldehyde as glue etc. complete, including fitting, fixing shutters in position but excluding the cost of hinges and other fittings in ground floor. 35 mm thick shutters (single leaf)	12 Sqm.		Sqm	
26	Supplying, fitting and fixing M.S. clamps for door and window frame made of flat bent bar, end bifurcated with necessary screws etc. by cement concrete(1:2:4) as per direction. (Cost of concrete will be paid separately) 40mm X 6mm, 250mm Length	36 Nos.		Nos.	
27	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark. 100mm. X 75mm. X 3.50mm.	18 Nos.		Nos.	
28	Iron socket bolt of approved quality fitted and fixed complete 150mm long x 10mm dia bolt.	6 Nos.		Nos.	
29	a) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting. 300mm long.	6 Nos.		Nos.	
30	Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete: With round base: 150 mm grip x 12 mm dia rod.	14 Nos.		Nos.	
31	Supplying, fitting fixing Godrej type	8 Nos.		Nos.	

	hydraulic (oil check) floor door spring, heavy duty double action with brass shoe, brass top centre aluminium top cover etc. complete set as per direction of Engineer-in-charge.				
32	F. FALSE CEILING: M.F. suspended ceiling made with 12.5 mm thick Gypsum plaster board including G.I. perimeter channel of 0.55 mm flush (having two flanges 20 mm and 30 mm respectively and web 27 mm) along with perimeter of ceiling with G.I. intermediate channel of 0.9 mm thick size 45 mmx15mm placed at 750 mm c/c with G.I. ceiling angle of size 25 mmx10mmx0.55 mm thick fixed to the ceiling with G.I. Cleat and steel expansion fastener ceiling section 0.55 mm thick of size 51.50 mmx26mm fixed to the intermediate channels with the help of connecting clip and in the direction of perpendicular to the intermediate channel of 300 mm c/c 12.5 mm thick Gypsum plastered board are to be fixed under ceiling section as above by machine screws. The boards are to be joined and finished with jointing compound, paper tape and application of top coat etc. as per the direction of Engineer-in-charge. (The rate includes of cost of all materials including taxes, cost of accessories, fittings and fixtures, scaffolding and labour charges etc. complete) In ground floor	140 Sqm.		Sqm	
33	H. ADDITIONAL RATE: Add extra over rate of ground floor for each addl. Storey F(1 to 6), B(11,12), F(10,11,12), G(7), G(13, 14,15,16,17,18), C(8,9,10,12), B(14 to 18), B(24 to 27), G(19,20), F(17, 18) Upto 4th floor	140 Sqm.		Sqm	
34(a)	I. PLASTERING, POINTING ETC. A. ORIGINAL WORKS: Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] With 1:6 cement mortar 20 mm thick plaster	900 Sqm.		Sqm	
34(b)	With 1:4 cement mortar 15 mm thick plaster	900 Sqm.		Sqm	
34(c)	With 1:3 cement mortar 10 mm thick plaster	850 Sqm.		Sqm	

35	Rule pointing to brick work in cement mortar (1:4) with admixture of pigment to match with colour of brick including raking out joints.	700 Sqm.		Sqm	
36	B. MISCELLANEOUS ITEM: Labour for Chipping of concrete surface before taking up Plastering work	850 Sqm.		Sqm	
37(a)	J. WHITE WASH, COLOUR WASH& DISTEMPER : A. ORIGINAL WORKS: Applying Interior grade Acrylic Primer of approved quality and brand on plastered or concrete surface old or new surface to receive Distemper/ Acrylic emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. (In Ground Floor) (b) Two Coats Water based interior grade Acrylic Primer	1750 Sqm.		Sqm	
37(b)	Applying Interior grade Acrylic Primer of approved quality and brand on plastered or concrete surface old or new surface to receive Distemper/ Acrylic emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. (In Ground Floor) Two Coats	900 Sqm.		Sqm	
38	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of Engineer-in-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer. Premium 100% Acrylic Emulsion Two Coats	900 Sqm.		Sqm	
39	K. PAINTING, VERNISHING ETC. ORIGINAL WORKS: Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	24 Sqm.		Sqm	
40	Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	2200 Sqm.		Sqm	

41(a)	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : On timber or plastered surface : With super gloss (hi-gloss) – Two coats (with any shade except white)	24 Sqm.		Sqm	
41(b)	On steel or other metal surface : With other than hi-gloss of approved quality- Two coats (with any shade except white)	2200 Sqm.		Sqm	
41(c)	Applying Acrylic Emulsion Paint of approved make and brand on walls and ceiling including sand papering in intermediate coats including putty (to be done under specific instruction of Superintending Engineer) : (Two coats) Luxury Quality(Two coats)	1750 Sqm.		Sqm	
42	L. GLAZIER'S WORK: A. ORIGINAL WPRLS: Supplying and affixing optically clear polyester sun control window film having acrylic pressure sensitive adhesive on one side & an acrylic abrasion resistant coating on the other, with composition of infrared absorbing carbon & free from any optical defect. The film characteristics should conform to ASTM E308, ASTM E903, ASTM E84 and ASHRAE. The film should be pasted after preparatory works without any cracking, delamination, bubbling, discolouring and variation in total transmission of light across the width at any portion along the length doesn't exceed 2% over the average including scaffolding & relevant others to complete in all respect as per manufacturer's specification & direction of Engineer -in-Charge. (Note: This work should not be executed without specific permission of Superintending Engineer) Superior Quality : Film Thickness - 2.0 Mil, Glare Reduction > 75%, U factor < 1.03, Emissivity < 0.70	164.144 Sqm.		Sqm	
43(a)	DRAIN, DOWN PIPES, CHIMNEY ETC. Supplying, fitting & fixing UPVC pipes A-Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures etc if necessary and mending good damages including joining with jointing materails (Spun Yarn, Valamoid/Bitumen/M-Seal etc) complete.	50 Mtr.		Mtr.	

	UPVC Pipes: 110 mm. Dia.				
43(b)	UPVC Fittings: Plain Tee 110 mm. Dia.	8 Nos.		Nos.	
43(c)	Plain Y 110 mm. Dia.	8 Nos.		Nos.	
43(d)	Bend 87.5 degree 110 mm. Dia.	8 Nos.		Nos.	
43(e)	Shoe 110 mm. Dia.	8 Nos.		Nos.	
44	SOLING, EDGING & METALING: Providing and fixing at or near ground level precast cement concrete in kerbs (size: 450 mm x 350 mm x width 150 mm at bottom with bevelled nosing at top) of cement concrete M20 Grade without reinforcement, fixing as per approved pattern and setting in position at site after preparing the bed grade and slopes by laying Cement concrete with jhama khoa (1:4:8) as per specification and direction of Engineer-in Charge including filling of joints with 10 mm thick cement mortar (3:1) and back filling the vertical piece properly with earth duly compacted and curing the mortar joints for at least 3 days including cost and carriage of all materials complete.	250 Mtr.		Mtr.	
45	Supplying cinder including throwing spreading rough levelling and dressing. (Measurement will be taken on the basis of profile, before and after the work with deduction of 1/9 th of the volume for sinkage and / shrinkage).	173 Cum		Cum	
46	Labour for taking out old soling edging including removing debris Single flat soling	1200 Sqm.		Sqm	
47	ALUMINIUM WORKS : Supplying profiles of required section made of Aluminium Alloy Extrusions conforming to IS: 732-1983 and IS: 1285-1975; Anodized (with required film thickness and specified colour / natural) matt finished conforming to IS: 1868-1983 for fabrication of composite door, sliding & casement windows, partitions, formed of basic sections of any ISI embossed / certified make and brand as per direction of Engineer – In-Charge. (Payment will be made on finished length of the work). 15 Micron colour anodizing. Rimless door. Top & bottom rail.	40 Mtr.		Mtr.	
48(a)	Labour charge for fabrication and installation of composite door, window, partitions made from anodized	8 Sqm.		Sqm	

	<p>extruded alloy aluminium sections for the following units:</p> <p>Fully glazed single leaf reamless swing door made of anodized aluminium alloy extrusions fabrication after cutting to proper shape and size, drilling and aligning fitted with heavy duty hydraulic action floor spring with top pin assembly and fitted with inbuilt locking arrangement and all other necessary fittings, fixture, adhesives and joineries, cutting the glass to requisite shape and size mounting the edges for fitting the same with dry set neoprime/EPDM gasket.</p> <p>The rate includes the hire charge of all tools and plants, adhesive, joineries but excludes the cost of extruded aluminium sections, glass, panel boards EPDM gasket, locking arrangement, weather gasket / wool pile, floor spring, top pin, handle, tower bolt etc.</p>				
48(b)	<p>Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987.</p> <p>12mm thick coloured / tinted / toughened glass conforming to IS: 2553-1992 (Part-II)</p>	35 Sqm.		Sqm	
49(a)	<p>Supplying profiles of required section made of Aluminium Alloy Extrusion conforming to IS: 732-1983 and IS: 1285-1975; Anodised with required film thickness and specified colour/natural matt finished conforming to IS: 1868-1983 for fabrication of Structural Glazing, Curtain Wall formed of basic sections of any ISI embossed/certified make and brand as per direction of Engineer-in-charge. (Payment will be made on finished length of the work).</p> <p>15 micron colour anodising</p> <p>Structural glazing /Curtain Wall</p> <p>Mulion & Transom (Weight @ 1.819 Kg Per Mtr.)</p>	405 Mtr.		Mtr.	
49(b)	Sub frame for fixing Glass (Weight @ 0.31 Kg per Mtr.)	60 Mtr.		Mtr.	
50	<p>Supplying Weather Silicone sealant of approved make and brand for fixing of grove line between the Glasses as per direction of Engineer-incharge. for Structural Glazing/Curtain wall.</p> <p>Weather Silicone sealant for filling the Grove line between Glasses or any other material for facial work</p>	930 Mtr.		Mtr.	
51	<p>Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987</p> <p>Clear, toughened glass conforming to IS:</p>	165 Sqm.		Sqm	

	2553-1992 (part-II) 6mm thick				
52	<p>Providing and fixing of factory made uPVC Sliding window (White Colour) complete, (U value=1.9-1.3 W/m² K, flame resistant, self extinguishing, lead free) comprising uPVC multi-chambered frame having in-built uPVC roller track on top and uPVC sash with wall thickness of 2.3mm (±0.2 mm) duly reinforced with G.I. section 1.6 mm (±0.2 mm), wherever required. All corners of frame and sash will be fusion welded. After placing 5 mm Clear Annealed glass in the sash, uPVC glazing bead, interlock, EPDM gasket, brush shall be provided including touch lock and rollers & proper drainage system shall be provided.</p> <p>Window frame will be fixed to the wall with 100mm long and 8mm dia. Fasteners and after fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size, of approved quality complete in all respect as per as per approved drawing & direction of Engineer-In-Charge. (Note: Profile manufacturer & Window Manufacturer must be one & same, Only manufacturer Warranty is acceptable)</p> <p>2 Track 2 Sash window frame of size 67 x 54 mm & Sash of size 64 x 47 mm both having wall thickness of 2.3 ± 0.2 mm</p>	30 Sqm.		Sqm	
53	Providing and placing structural metal decking system of grade TR60 as per JSW structural metal decking ltd or approved equivalent of nominal thickness 0.90 mm R.C.C having maximum thickness of slab 130 mm and entire process of fixing of deck materials as per manufacturer's specifications	709 Sqm.		Sqm	
54	Providing and fixing 12mm thick machine compressed clay and burnt brick tiles of size 250 mm x 75 mm of Shree Balaji tile company or approved make in skirting, risers of steps and dados fixed with tile fixing adhesive of Sika / Pidilite make and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete as per drawing & direction of the Engineer in charge.	465 Sqm.		Sqm	
55	Providing and fixing of false ceiling with powder coated exposed G.I. grid suspension system (E-Grid T 2430 or equivalent load carrying capacity with	700 Sqm.		Sqm	

	<p>mid span deflection not exceeding 1/360 span with hanger spacing of 1200mm c/c) consisting of Main Runner 3600 mm long, Cross Tee 1200 mm / 600 mm long and Wall Angle. The Wall Angle shall be fixed on PVC Dash Fasteners on the perimeter of the wall by steel screws with distance 300mm c/c. The Main Runners to be placed @ 1200 mm. The Cross Tee 1200mm will be inserted in the pre-cut slots of Main Runner at regular interval of 600 mm to form a modular grid of 1200mm X 600mm. Additional Cross Tees of 600 mm shall be placed perpendicular to the Cross Tee 1200 mm long to finally form a grid of 600 mm X 600 mm. Grid of module size 600 mm X 600 mm shall be supported by 6 mm dia G.I. wire from purlins / soffit. 1 mm thick powder coated Aluminum perforated Metal False ceiling of 595 X 595 finished dimensions to be placed in the grids of the ceiling. All complete as per the drawing & directions of Engineer-in-charge at all heights as per the designs.</p> <p>1 mm thick powder coated Aluminum plain / perforated Metal False ceiling of 595 X 595 finished dimensions.</p>				
56	<p>Supply, Fabrication, Installation, Testing (onsite water tightness), Projection, Cleaning & Handover of respective cladding made of ALUMINIUM profile sheet (minimum 1.5 mm thick) with ANIDISED coating. The thickness of the coating of Aluminium shall be minimum 25 MICRON full height cladding maximum height 15 mtr and minimum 10.23 mtr. MS structure will cladd with 12 mm thk CEMENT FIBRE BOARD, and fixed with 38 x 6 mm ss screw grade 304, C-channels' made with SS sheet and wall thickness will be 2.5 MM thk for fixing of Aluminium cladding etc. The quoted rate shall include all Taxes, duties, and safety code compliance as required. Rates are inclusive of all accessories including labour & material.</p>	1030 Sqm.		Sqm	
57	<p>Supplying, fitting and fixing brass ferrule including connection with G.I. pipes of TATA make of following dia. and upto 450 mm long with screw, jamnut, sockets etc., complete in all respect, including cutting trenches in all sorts of soil and filling up the trenches as per direction of the Engineer - in - Charge.</p> <p>25 mm dia.</p>	1 No.		Nos.	
58(a)	<p>Supplying, fitting and fixing shower of approved brand and make.</p>	3 Nos.		Nos.	

	Chromium plated Rose shower with revolving joint and 150 mm long shower arm (Equivalent to Code No. 5489 & Model - Florentine of Jaquar or similar brand).				
58(b)	Chromium plated double coat Hook(Equivalent to Code No. 35761 & Model - KUBIX of Jaquar or similar).	3 Nos.		Nos.	
58(c)	Hand Shower(Health Faucet) with 1mtr Flexible Tube with Wall Hook(Equivalent to Code No.573 & Model -ALLIED of Jaquar or similar).	3 Nos.		Nos.	
59(a)	Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 21 kg per sq. cm. (for water lines only). 40 mm dia	1 No.		Nos.	
59(b)	32 mm dia	1 No.		Nos.	
59(c)	25 mm dia	1 No.		Nos.	
59(d)	20 mm dia	1 No.		Nos.	
60(a)	Supplying, fitting and fixing bib cock or stop cock. Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand).	3 Nos.		Nos.	
60(b)	Chromium plated Stop Cock (Equivalent to Code No. 513(A) & 513(B) & Model - Tropical / Sumthing Special of ESSCO or similar brand).	6 Nos.		Nos.	
60 (c)	Chromium plated angular Stop Cock with wall flange (Equivalent to Code No. 5053 & Model - Florentine of Jaquar or similar brand).	4 Nos.		Nos.	
61(a)	Supplying, fitting and fixing C.I. holder bat clamp including cutting holes in wall etc. and mending good all damages in cement concrete with jhama chips (4:2:1) and cement plaster (6:1) to match and curing complete in all respect. 25 mm	30 Nos.		Nos.	
61(b)	32mm	10 Nos.		Nos.	
61(c)	40 mm	20 Nos.		Nos.	
62(a)	Supplying, fitting and fixing CPVC (Chlorinated Polyvinyl Chloride) pipes of approved make conforming to IS-15778: 2007. with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials in any position above ground. (Payment will be made on the centre line measurements of total pipe line	20 Mtr.		Mtr.	

	including all specials. No separate payment will be made for accesories, specials. For Exposed Work. CPVC Pipes Class-1, SDR-11 25 mm				
62(b)	32 mm	20 Mtr.		Mtr.	
62(c)	40 mm	50 Mtr.		Mtr.	
62(d)	For Concealed Work CPVC Pipes Class-1,SDR-11 15 mm	10 Mtr.		Mtr.	
62(e)	20 mm	40 Mtr.		Mtr.	
63	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint. 550 mm X 400 mm size	3 Nos.		Nos.	
64	Supplying, fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. 300 mm long	6 Nos.		Nos.	
65	Supplying, fitting and fixing approved brand 32 mm dia.P.V.C. waste pipe, with PVC coupling at one end fitted with necessary clamps. 750 mm long	6 Nos.		Nos.	
66	Supplying, fitting and fixing complete Bottle waste trap (Heavy Quality) Chromium plated Bottle trap 32 mm with 190 mm long connecting pipe and wall flange (Equivalent to Code No. 545 & Model - Tropical / Sumthing Special of ESSCO or similar brand).	3 Nos.		Nos.	
67	Supplying, fitting and fixing pillar cock of approved make. CP Pillar Cock - 15 mm. (Code No. 5011 & Model - FLORENTINE of JAQUAR or equivalent).	3 Nos.		Nos.	
68(a)	Supplying, fitting & fixing Cast iron soil pipe only conforming to I.S. 3989 / 1970 and I.S. 1729/1964 with bobbins, nails etc. including making holes in the wall, floor etc. and cutting trenches etc. in any floor through masonry concrete, if necessary, and mending good damages with necessary jointing materials and painting two coats to the exposed	50 Mtr.		Mtr.	

	surface with approved paint complete. (Measurement will be made along the center line of the total pipe line in fitted condition including specials, payment for specials & Painting will be paid separately). With valamoid joints including sealing with sand cement mortar (4:1) upto quarter depth. 100 mm dia. (internal)				
68(b)	75 mm dia. (internal)	50 Mtr.		Mtr.	
69	Supplying, fitting & fixing Cast iron single branch equal with door conforming to I.S. 1729/1970 including joining and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will however be paid separately). With valamoid joints including sealing the top with cement mortar (4:1) 100 mm dia.	2 Nos.		Nos.	
70	Supplying, fitting & fixing H.C.I. bend with door conforming to I.S.S. including jointing complete and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will be paid separately). With valamoid joints including sealing the top with cement mortar (4:1) 100 mm dia.	6 Nos.		Nos.	
71	Supplying, fitting & fixing approved patent vent cowl I.C.I. conforming to I.S.S and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will be paid separately). 100 mm dia.	4 Nos.		Nos.	
72	Supplying, fitting and fixing cast iron 'P' or 'S' trap conforming to I.S. 3989/ 2009 and 1729/ 2002 including lead caulked joints and painting two coats to the exposed surface. (Painting to be paid separately). 'P' Trap 50 mm	3 Nos.		Nos.	
73	Supplying, fitting and fixing with cement jointing (3:1) salt glazed stoneware pipe including excavation of earth upto 1.50 metre depth in all sorts of soil both mixed or unmixed and refilling (but excluding concreting at bottom and sides). 300 mm	50 Mtr.		Mtr.	
74	Supplying, fitting and fixing C.I. round grating. 100 mm	6 Mtr.		Mtr.	
75	Supplying, fitting and fixing Flat back urinal (half stall urinal) in white vitreous	3 Nos.		Nos.	

	chinaware of approved make in position with brass screws on 75 mm X 75 mm X 75 mm wooden blocks complete. 470 mm X 280 mm X 340 mm				
76	Supplying, fitting and fixing bevelled edged mirror 5.5 mm thick silver red as per I.S. 3438 / 1965 together with brass C.P. hinges. 450 mm X 300 mm	3 Nos.		Nos.	
77	Supplying, fitting and fixing glass shelf with aluminium guard rails. (a) Ordinary type with 5.5 mm sheet glass (b) 600 mm X 125 mm	3 Nos.		Nos.	
78	Supplying, fitting and fixing soap holder. PTMT(Prayag or equivalent)	3 Nos.		Nos.	
79	Supplying, fitting and fixing towel rail with two brackets. C.P. over brass 25 mm dia. and 450 mm long	3 Nos.		Nos.	
80	Constructing Inspection pit of inside measurement 600mm X 600mm X upto 600mm (depth) with 250 mm thick 1st. class brick work in cement mortar (1:4) on all sides, bottom of the pit consisting of 100 mm thick cement concrete (1:3:6) with stone chips over a layer of jhama brick flat soling, 15 mm thick (1:4) cement plaster to inside walls and outside walls upto G.L. and 20 mm. thick (1:4) plaster to bottom of the pit, providing necessary invert with cement concrete (1:3:6) with stone chips as per direction, neat cement finishing to entire internal surfaces, top of the pit covered with 100 mm thick R.C.C. slab (1:1.5:3) with stone chips and necessary reinforcements upto 1% and shuttering including 6 mm thick cement plaster (1:4) in all external surfaces of the slab and one 560 mm dia. R.C.C. manhole cover of approved make supplied, fitted and fixed in the slab with necessary fittings, necessary earthwork in excavation in all sorts of soil, filling sides of the pit with earth and removing spoils after work complete in all respect with all costs of labour and materials. With Pakur variety.	10 Nos.		Nos.	
81	Supply, fitting & fixing of water closet & flushing cistern of HINDWARE, model no 20089 with all fixtures complete	3 Nos.		Nos.	
82	Supplying, fabricating and fixing of MS Single Leaf Sliding Gate which is made by 96mm x 48mm x 3.2mm MS tubular section for main frame of YST 310 grade as per IS 4923 with fully covered by 2mm	1 No.		Nos.	

	<p>thk. MS Sheet and MS tubular Supporting Post Structure and Bottom rail with ISMB-125 & 22dia Bright Rod with One coat of epoxy primer and two coats of PU finish paint (as per KoPT approved color) with all mechanical accessories, i.e. Nylon Upper Guide Roller with bearing, Wheel assembly with double side bearing, End Catcher, Back Stopper, Locking assembly, Motor Base frame etc. and necessary cleats and insert plates complete as per the proposal drawing which will be provided by Ascon.</p> <p>Clear Opening- 6500mm (W) x 2400mm (H)</p>				
83	<p>Supplying, fabricating and fixing of MS Bi- parting Telescopic Gate which is made by 96mm x 48mm x 3.2mm MS tubular section for main frame of YST 310 grade as per IS 4923 with fully covered by 2mm thk. MS Sheet and MS tubular Supporting Post Structure and Bottom rail with ISMB-125 & 22dia Bright Rod with One coat of epoxy primer and two coats of PU finish paint (as per KoPT approved color) with all telescopic mechanisms & mechanical accessories, i.e. Nylon Upper Guide Roller with bearing, Wheel assembly with double side bearing, End Catcher, Back Stopper, Locking assembly, Motor Base frame etc. and necessary cleats and insert plates complete as per the proposal drawing which will be provided by Ascon.</p> <p>Clear Opening- 6500mm (W) x 2400mm (H)</p>	1 No.		Nos.	
84	<p>Supplying, fabricating and fixing of MS Double Leaf Swing Gate which is made by 96mm x 48mm x 3.2mm MS tubular section for main frame of YST 310 grade as per IS 4923 with fully covered by 2mm thk. MS Sheet with One coat of epoxy primer and two coats of PU finish paint (as per KoPT approved color) with all necessary mechanical accessories i.e. Hinges, Hatch Bolt, Locking assembly etc. as per the proposal drawing which will be provided by Ascon.</p> <p>Clear Opening- 4000mm (W) x 2400mm (H)</p>	1 No.		Nos.	
85	<p>Supply of Automatic Single leaf Sliding Gate Operator – 1no. Make – DITEC (Italy) Model – Cross 18VE Including : 1. 1 no. Push Button.</p>	1 No.		Nos.	

	2. 1 no. Remote Control with Receiver Card. 3. 1 pair Safety Photocell. 4. 1 no. Flusher/ Blinker. 5. 8 nos. Module-4 Gear Racks with fixing studs.				
86	Supply of Automatic Bi- Parting Telescopic Gate Operator – 2nos. Make – DITEC (Italy) Model – Neos 1000EH Including: 1. 1 no. Push Button. 2. 1 no. Remote Control with 2nos. Receiver Card. 3. 1 pair Safety Photocell. 4. 1 no. Flusher/ Blinker. 5. 6 nos. Module-4 Gear Racks with fixing studs.	1 No.		Nos.	
87	Electrical Work for laying of control cables for fixing of control switch, blinker, safety photocell for Automatic Single Sliding Gate & Automatic Bi-parting Telescopic Gate.	1 No.		Nos.	
88	Installation Charges for Automatic Sliding Gate, Automatic Bi- parting Telescopic Gate & Manual Double leaf Swing Gate including Loading, Unloading, Transportation.	1 No.		Nos.	
89	a. Supply of Hydraulic Road Blocker : 5mtr Make- Toshi Automation Model-Toshi HRB (4 nos.) b. Electrical Work for laying of control cables fixing of Push Button of Hydraulic Road Blocker. (Is.) c. Installation Charges of 4 nos. Hydraulic Road Blockers. (Is.)	1 No.		Nos.	
90	6 passenger Stainless Steel Auto Lift along with transportation, installation	1 No.		Nos.	
		Total : Part A			

PART B: Development of area outside of 4 no. NSD main gate & rail gate, N.S.Dock

Item No.	Description Of Item	Quantity	Rate Rs. P.	Unit	Amount Rs. P.
1	Earth work in excavation of the foundation tranches or drains in all sorts of soil (including mixed soil but excluding laterite or sand stone) including removing spreading or stacking the spoils within a lead of 75Mtr as directed. The Item including necessary trimming the sides of tranches, levelling, dressing and ramming the bottom, bailing out water etc. as required complete. Depth of excavation not exceeding 1500 mm.	25.00 Cum		Cum	
2	Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. in ground floor including roof. above 150 mm. thick	5.00 Cum		Cum	
3	Dismantling R.C. floor, roof, beams etc. including cutting rods and removing rubbish as directed within a lead of 75 m. including stacking of steel bars in ground floor including roof.	3.00 Cum		Cum	
3a	Dismantle all types of Masonry excepting cement concrete plain or reinforced, stacking serviceable Materials at site & removing the rubbish as directed within a lead of 75 Mtr in ground floor including roof.	5.00 Cum		Cum	
4	Filling in foundation or plinth by fine sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity),	45.00 Cum		Cum	
5	Cleaning the concrete surface by removing dirt and debris, marking defective locations and removing loose concrete by careful stripping untill hard surface is exposed, cutting the concrete to regular shape, wire brushing the exposed surface and removing debris from site complete as per direction of the Engineer - in - Charge.	100.00 Sqm		Sqm	
6	Dismantling of flexible pavements and disposal of dismantled materials upto a lead of 100 m, stacking serviceable and unserviceable materials separately as per Technical Specifications Clause 202 for Rural Roads of MORD.				
i	By Manual Means Granular coarse	10.00 Cum		Cum	

ii	By Mechanical Means Bituminous Courses	25.00	Cum		Cum	
7	Water Bound Macadam Base Course Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with vibratory roller 8-10 tonnes 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 lighting, guarding, barricading and making necessary earthen bundh of one metre width on each side and preparing the bed by necessary cutting or filling, including cost of all materials and hire and labour charges of all men and machinery and compacting to the required density, as per Clause 404 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). a) Grading-I Aggregate (63 mm to 45mm) using stone screening Type-B (11.2 mm) By Manual Means.	40.00	Cum		Cum	
8	Supplying and laying Polythene Sheet (150gm / sq.m.) over damp proof course or below flooring or roof terracing or in foundation or in foundation trenches.	450.00	sqm		Sqm	
9	Hire and labour charges for the shuttering with centering and necessary staging up to 4Mtr using approved stout props and 25 mm to 30 mm thick hard wood planked with required bracing for concrete slabs beams, columns, lintels curved or straight including fittings, fixing and striking out after completion of the works (up to roof of ground floor) as per the direction of Engineer – In – Charge. Steel shuttering or 9 to 12 mm thick approved quality ply board shuttering in any concrete work	50.00	sqm		Sqm	
10	Provide Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction. For works in foundation and upto roof of ground floor/upto 4 mTor steel/Mild steel. SAIL / TATA / RINL	8.00	MT		MT	
11	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement,if any, in gound floor as per relevant IS codes. Pakur Variety	5.00	Cum		Cum	

12	Labour for laying soiling with departmental concrete block(200x100x100)mm collected from dumping location ,carriage of same with a lead up to 5.00 Km from loading area including loading, unloading and stacking at working site also preparation of bed as necessary concrete block joints properly filled in and packed with conc. Block joints properly filled in earth all complete as per direction of Engineering in Charge(Rates includes cleaning of existing concrete block surfaces). Single concrete block flat soling (Thickness 100mm)	200.00	Sqm		Sqm	
13	Supplying ready mixed concrete of M 40 Grade with well graded stone chips of 20 mm nominal size containing designed quantity of cement per Cu.m of wet concrete produced in computerised batching plant under controlled condition using approved super plastisizer, designing concrete mix following I.S. 10262 and I.S. 456, transporting the mix with agitation in transit mixer to work site depositing the mix on a platform erected for the purpose at required levels of concreting and then placing the mix in its final location of form work, compacting and curing the same complete as per specification & direction of the Engineer-in-charge including computerised batching plant transit mixer with all accessories vibrators etc. inclusive of all other incidental charges in this connection complete but excluding cost of hire charge of platform and its supporting staging which would be paid through separate item.[cement to be supplied by the Manufacturer/ supplier] In ground floor and foundation. Without approved concrete pump.	120.00	Cum		Cum	
14	M.S. structural works in columns, beams etc. with simple rolled structural members (e.g. joists, angle, channel sections conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-in- charge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc welding conforming to IS: 816- 1956 & IS: 1995 using electrodes of approved make and brand conforming to IS:814- 1957, haulage, hoisting and erection all complete. The rate includes the cost of rolled steel section, consumables such as electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental chages such as electricity charges, labour insurance charges etc. Payment to be made on the basis of	0.20	MT		MT	

	calculated weight of structural members only in finished work as per IS specified weight. Payment for gusset, bracket, cleat, rivets, bolts and nuts may be made by adding the actual weight of such items with the weight of finished structural members or 7% of weight for finished structural members weighing not less than 22.5 Kg. / m. or 15 % of weight for finished structural members weighing less than 22.5 Kg. / m. may be increased allow for bracket, cleat, rivet, bolts and nuts etc. and no separate payment being made for these items, as per direction of Engineer In Charge. The rates are considered for a height of erection 8m. / 2nd floor level from the ground. Add 1.5% extra over the rate for each additional floor or 4m. beyond initial 8m. or part thereof. For structural members of specified sections weighing less than 22.5 Kg./m				
15	Provide and lay bricks work with 1st class bricks in cement mortar (1:6). In foundation and plinth	5.00 Cum		Cum	
16	Provide and lay Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor). [Excluding cost of chipping over concrete surface] 15 mm. thick plaster with 1:6 Cement mortar	100.00 sqm		Sqm	
17	Provide and lay Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. Note: cement 0.152 Per Cum per 100 sq. Mtr.	100.00 sqm		Sqm	
18	Cleaning rubbish, sludge, liquid earth, mud, debris and other materials etc. from kutcha/Pucca surface drain of any size and upto 1.8 m deep including stacking the spoils within a lead of 75 mt by manual means. (Payment will be made on the basis of actual measurements of spoils in dry condition).	100.00 Cum		Cum	
19	Supply Air Compressor Machine including labour, operator, fuel permit etc. for 8 hours	2.00 day		day	
20	Providing and laying reinforced cement concrete pipe NP4 with spigot socket for culverts on first class bedding of granular material in double row including fixing with cement mortar 1:2 as per Technical Specification Clause 1106 for Rural Roads of MORD. 600 mm dia	30.00 Mtr		Mtr.	

21	Labour charges for levelling dressing the existing uneven metal surface by manual means and watering and rolling sub grade by power roller to proper camber and grade including watering as per direction and satisfaction of Engineer -In-Charge for proper consolidation and to make the surface properly for further any layer.	400.00	Sqm		Sqm	
22	Supply & spreading ShaliFloor MDH metallic floor hardening compound at the surface of the concrete for heavy traffic yard after compaction but before its finishing to increase resistance to abrasion & resistant to mechanical wear and the hardener should be compacted with a power trowel / floater. Broom or line texturing in transverse direction shall be provided at the surface after finishing and floating .	400.00	Sqm		Sqm	
23	Providing and laying sealing compound (polysulphide sealant) of approved make & manufacture in joints of concrete pavement as per drawing including applying a coat of sealant primer of approved brand with top as concave surface having 3mm depression in the middle of the joint including cost of backer rod of size 10 mm dia at the bottom of the groove (size 8.0 to 10.0 mm wide and 22.00 mm deep)including cost of all accessories , all materials , transportation, cleaning of joints by blower all complete including application by a authorized applicator or the manufacturer as per manufacturer's specification all complete.	120.00	Mtr		Mtr.	
24	Provide and apply two coats decorative cement based paint of approved quality after preparing the surface including scraping the same thoroughly (Plastered or concrete surface) as per manufacturer's specification. In ground floor.	200.00	Sqm		Sqm	
25	Cutting / Cleaning/Removing jungles including area of dock and removing spoil up to uprooting/Removing of rank vegetation, cutting grass, brush wood, cutting/removing small tree saplings or branches of trees falling under the cutting area at different 50 m outside the periphery of the area cleaned as per direction including all lead , lifts cutting instruments , labour etc complete in all respect.	500.00	Sqm		Sqm	
Total PART B: =						

PART C: ELECTRICAL INSTALLATION WORK FOR 4 NSD GATE AT KDS, KOPT

Item No.	Description Of Item	Quantity	Rate Rs. P.	Unit	Amount Rs. P.
1	MAIN PANEL : Incoming: 1 No.– 200A, 4P MCCB (Icu=35/36 KA, Ics=100%, Icu) Microprocessor Release with Electrical interlocking arrangement and extended rotary operated mechanism. 1Set(3 Nos.)-C1-1 Current Transformer 1Set-C1 CT operated digital multifunction meter showing current, voltage and frequency. 1Set – 3 Nos. R-Y-B Phase indication Lamp with HRC Fuse Protection. Bus Bar 1 Set-3 Nos. 30mm x 5 mm and 1 No. 30 x 5 mm for neutral, tinned Cu busbars covered with colour coded MKV graded PVC sleeves, mounted on Porecleam/DMC/SMC Insulators, (500V, 400A rating) Outgoing 5 Nos.-100A-415V,4PMCCB,Icu=25KA(C-Curve) Earth Bus Bar 24 mm x 6 GI flat earth bus bar running along the base of the frame covering entire length of the panel with GI bolt and nuts and number of drilled holes as required for earth connection. 1-Danger Board. Complete Board as stated above.(Non-scheduled Item).	1 Set		Set	
2(a)	DISTRIBUTION BOARDS Supplying and fixing double door Vertical TPN MCB Distribution board for MCCB incomer with IP-42/43 protection, on angle iron frame on wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment 4 WAY TPN DB (Upto 250A)	1 No.		Nos.	
2(b)	Supplying and fixing double door Horizontal TPN MCB Distribution board with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment. 4 WAY TPN MCB DB- Enclosure (607715)	1 No.		Nos.	
2(c)	8 WAY TPN MCB DB- Enclosure (607717)	1 No.		Nos.	
2(d)	Supplying and fixing 240/415 V MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection. 6-32A SP MCB	36 Nos.		Nos.	
2(e)	63A TPN MCB	2 Nos.		Nos.	

3(a)	Earthing and Accessories: Earthing with 50 mm dia GI pipe 3.64 mm thick x 3.04 mtrs long and 1 x 4 SWG GI (Hot Dip) wire (4 mtrs long), 13 mm dia x 80 mm long GI bolts, double nuts, double washers including supply and fixing of 15 mm dia GI pipe protection (1 mtrs long) to be filled with bitumen partly under the ground level and partly above ground level driven to an average depth of 3.65 mtrs below the ground level and restoring surface duly rammed as below. For Soft Soil	2 Sets		Set	
3(b)	Treatment of soil by using salt and charcoal or coke for plate electrode (for soft soil/morrum soil).	2 sets		Set	
3(c)	Providing masonry enclosure on the top of the earth electrode of overall size 86.36 cm x 86.36 cm x 46 cm deep (below ground level) complete with cemented brick work (1:6) of 25 cm width duly plastered with cement mortar (inside) CI hinged inspection cover of size 36.56 cm x 35.56 cm with locking arrangement, GI reducer including drilling of 46 Nos 12 mm dia holes on the GI pipe.	2 sets		Set	
3(d)	Connecting the equipments to earth bus bar including supply and fixing of GI (Hot Dip) wire of size as below on wall/floor with staples buried inside wall/floor as required and making connection to equipments with bolts, nuts, washers, cable lugs etc, as required and mending good the damages. 6 SWG	100 Mtrs.		Mtr.	
3(e)	8 SWG	50 Mtrs.		Mtr.	
3(d)	Supplying and fixing of earth bus bar of galvanized (Hot Dip) M S flat 40 mm x 6 mm on wall having clearance of 6 mm from wall including providing drilled holes on the bus bar complete with GI bolts, nuts, washers, spacing insulators etc, as required.	60 Mtrs.		Mtr.	
4(a)	LT Cable and Accessories Supply of XLPE/PVC insulated, Armoured/ Unarmoured/ Flexible, Aluminium conductor(all rates are excluding of vat). Power Cables 4C x 16 Sq.mm Aluminium / A2XFY (For Lift)	60 Mtrs.		Mtr.	
4(b)	3.5C x 70 sq mm armoured Aluminium cable.	40 Mtrs.		Mtr.	
4(c)	3.5C x 120 sq mm armoured Aluminium cable.	800 Mtrs.		Mtr.	
4(d)	4C x 10 sq mm armoured Copper cable.	20 Mtrs.		Mtr.	
4(e)	Laying on Wall / surface with Saddles / clamps Laying of cable upto 3/4 core 25 sqmm on wall/surface incl. S & F MS saddles with earthing attachment in 10 SWG GI (Hot Dip) Wire,	60 Mtrs.		Mtr.	

	making holes etc. as necy. mending good damages and painting.				
4(f)	Laying of cable above 3½ core 50 sqmm and upto 3½ core 90 sqmm on wall/surface including S & F MS clamps with earthing attachment in 2 x 10 SWG GI (Hot Dip) Wire, making hole etc. as necy., mending good damages and painting	100 Mtrs.		Mtr.	
4(g)	Laying through RCC/Hume/GI Pipe Laying only Cable upto 50 sqmm through existing RCC/Hume/ GI Pipe/open masonry trench for single, 2, 3, 3½ & 4core.	20 Mtrs.		Mtr.	
4(h)	Laying of 3.5C x 120 sq mm armoured Aluminium cable through Micro tunneling	150 Mtrs.		Mtr.	
4(i)	Laying only Cable above 50 sqmm but not exceeding 400sqmm through existing RCC/Hume/ GI Pipe/ masonry trench for single, 2, 3, 3½ & 4core.	800 Mtr.		Mtr.	
4(j)	Compression Glands : Supplying and fixing compression type gland complete with brass gland, brass ring & rubber ring for dust & moisture-proof entry of XLPE/PVC armoured cables as below : For 4 core 10 to 16 sqmm	10 Nos.		Nos.	
4(k)	For 3.5 core 185 sqmm	2 Nos.		Nos.	
4(l)	For 3.5 core 120 sqmm	2 Nos.		Nos.	
4(m)	Finishing cable ends : Finishing the end of following XLPE/PVC armoured cables by crimping method incl. supplying and fixing solderless socket (Dowels make), tapes, anticorrosive paste & jointing materials : 4 core 10 sqmm cable	2 sets		Nos.	
4(n)	4 core 16 sqmm cable	2 sets		Set	
4(o)	For 3.5 core 70 sqmm	2 sets		Set	
4(p)	For 3.5 core 120 sqmm	2 sets		Set	
5(a)	SWITCH BOARD & SOCKET OUTLETS: Supplying & Fixing GI Modular Switch Board of the following sizes complete with three no. suitable size Copper bar with holes (for Ph, N & E) fixed on bakelite/Hard Rubber insulator over the MS welded chairs incl. top cover flushed in wall for housing the board after cutting the brick wall incl. making earthing attachment, painting and mending good damages to building works. 12 Module(2 Row)	1 No.		Nos.	
5(b)	Supply & Fixing 240 V 6 A Modular type switch (Brand approved by EIC) on existing GI Modular type switch board having to cover plate and making necessary connections as required	10 Nos.		Nos.	

5(c)	Supply & Fixing 240 V, 10 A, 2(Two) way Modular type switch (approved make) on existing GI Modular switch board having top cover plate and making necessary connections as required	10 Nos.		Nos.	
5(d)	Supply & Fixing 240 V, 6A, 5 pin Modular type plug socket (Brand approved by EIC), without switch & plug top, on existing GI Modular type switch board with top cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc	10 Nos.		Nos.	
5(e)	Supply & Fixing 240 V, 16 A, 3 pin Modular type plug socket (Brand approved by EIC) with 16A Modular type switch, without plug top on 4 Module GI Modular type switch board with top cover plate flushed in wall incl. S&F switch board and cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc.	15 Nos.		Nos.	
5(f)	Supply & Fixing 240 V, 25A Modular type socket, 25 A, Modular type starter (Brand approved by EIC) with 25A Modular switch type DP MCB (C-Curve) and 6 Module GI Modular type switch board with 6 Module top cover plate flushed in wall incl. S&F switch board and cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc.	24 Nos.		Nos.	
5(g)	Supplying & Drawing 2-pair Telephone cables with high density polyethylene insulated solid annealed high conductivity bare copper of dia 0.5mm in prelaidd PVC rigid conduit/ in polythene pipe embeded in wall.	350 Mtrs.		Mtr.	
5(h)	Supply & Fixing Telephone socket Modular type (Brand approved by EIC) with PVC board and top cover plate on wall and making necessary connections & testing as required.	2 Nos.		Nos.	
5(i)	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing recessed PVC/Polythene conduit, as required.	60 Mtrs.		Mtr.	
5(j)	Supplying and fixing of following modular TV Antenna socket outlet on the existing modular plate and switch box including connections but excluding modular plate etc, as required.	4 Nos.		Nos.	
6(a)	SUB-MAIN CIRCUIT & POINT WIRING : Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make) incl. necy. fittings as required 2 x 22/0.3 (1.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC	500 Mtr.		Mtr.	
6(b)	2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC [For Circuit & 16A Socket]	460 Mtr.		Mtr.	
6(c)	2 x 56/0.3 (4 sqmm) + 1 x 36/0.3 (2.5 sqmm) ECC [For AC]	200 Mtr.		Mtr.	

6(d)	3 x 84/0.3 (6 sqmm) + 2 x 56/0.3 (4 sqmm) ECC [For DB]	50 Mtr.		Mtr.	
6(e)	POINT WIRING - MCB / Sensor Control Supply, Installation, Testing and Commissioning of point wiring using (3 x 1.5) Sqmm 1100V grade stranded FRLS wires of approved make drawn in 19 mm dia 2mm thick rigid PVC conduit of approved make including all conduit accessories such as bends, junction boxes etc., complete. The wiring shall be done in complete looping in system. The lighting control from MCBs/SB in DBs. The wiring shall be complete with ceiling roses, switches and all consumables. PRIMARY LIGHT POINT I. Primary light point means wiring from MCB control in DB/Switch board to the first light point. II. For drops from the ceiling flexible conduit shall be included.	60 Nos.		Nos.	
6(f)	SECONDARY LIGHT POINT I. Secondary light point means extension of light out let only from existing . Primary point to be controlled by the existing MCB of Primary point only. II. Ceiling flexible conduit shall be included at the drop of light fixture.	220 Nos.		Nos.	
6(g)	Distribution wiring in 1.1 KV grade 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make), with 1.1 KV grade 1 x 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire as ECC, to 6A 3 pin Modular type plug socket & switch on 4 Module GI switch board with 3/4 Module top cover plate on wall incl. necy. connection making earthing attachment, painting and mending good damages to building works. On Board	5 Points		Point	
6(h)	Average run 4.5 mtr	15 Points		Point	
7(a)	PVC conduit Supplying and fixing PVC Rigid Conduit 'FR' [Precision Make] on wall, ceiling and recessed with saddles and other accessories as required and mending good damages to building works. 20 mm size	500 RM		RM	
7(b)	25 mm size	400 RM		RM	
8(a)	SUPPLY & FIXING OF LIGHTING FIXTURES AND FAN: (Non-Schedule Item): Supply, installation, assembling, testing and commissioning of the following Light Fixtures with complete accessories, control gears, civil works complete in all respect as per technical specifications and drawings.	112 Nos.		Nos.	

	The quoted rate shall be inclusive of fixtures and accessories including all necessary supports, brackets, down rods and painting etc. as required. 38W LED PANEL LIGHT (600 X 600) Fittings complete with all and duly interconnection wire. [Philips Cat No. CIRUS RC/SM 365/366] or equivalent].				
8(b)	WALL MOUNTED LIGHT FIXTURES complete with all and duly interconnection wire. [Philips Cat No.SNF114 1xSNT250W NB] or equivalent].	28 Nos.		Nos.	
8(c)	Supplying & Fixing bulk head light fitting (Havells make) with die cast aluminium housing & frosted glass on wall/ceiling incl. S&F 8watt CFL / 100 watts GLS lamp complete set.	2 Nos.		Nos.	
8(d)	HIGH BAY LIGHT FIXTURES complete with all and duly interconnection wire.	28 Nos.		Nos.	
8(e)	RECESSED MOUNTED LIGHT FIXTURES complete with all and duly interconnection wire.	30 Nos.		Nos.	
8(f)	Supply, installation, testing & commissioning of 1 x 70 W Post Top light fixture with all required accessories complete in all respect as per technical specification, drawings & as required at site .	10 Nos.		Nos.	
8(g)	Supply & fixing of 1200mm dia sweep 3 blade ceiling fan complete with all required accessories as per technical specification & drawings.	4 Nos.		Nos.	
8(h)	Supply & Fixing 240V, Modular Socket (2 Module) type fan regulator (Step type) (Brand approved by EIC) on existing Modular GI switch board with top cover plate incl. making necy. connections etc.	4 Nos.		Nos.	
8(i)	Fixing only fan clamp for RC ceiling as per specification after cutting the ceiling & binding with reinforcement and mending good the damages.	4 Nos.		Nos.	
8(j)	Supply, installation, testing & commissioning of Recess Mounted LED light fixture with all required accessories complete in all respect as per technical specification, drawings & as required at site .	11 Nos.		Nos.	
8(k)	Supply, installation, testing & commissioning of 1X12W down light fixture with all required accessories complete in all respect as per technical specification, drawings & as required at site .	15 No.		Nos.	
8(l)	Supply, installation, testing & commissioning of Vetro Wall Sconce, 13W LED, light fixture with all required accessories complete in all respect as per technical specification, drawings & as required at site .	15 Nos.		Nos.	
9(a)	Supply and fixing of Metal Boxes Supplying & Fixing sheet metal inspection box (16 SWG) of the following sizes flushed in wall by housing the same after cutting brick wall incl.	20 Nos.		Nos.	

	making earthing attachment, painting and mending good damages to building works. 100 mm x 100 mm x 65 mm deep				
9(b)	150 mm x 100 mm x 65 mm deep	30 Nos.		Nos.	
10(a)	Supply and fixing of Bakelite Supply & Fixing bakelite / perspex top cover on existing switch board by Brass screws after making housing for switch by cutting bakelite / perspex cover and making necessary connections as required 100 mm x 100 mm x 65 mm deep	20 Nos.		Nos.	
11	Supply & fixing of addressable Photoelectric Smoke Detector, include base	14 Nos.		Nos.	
12	Supply & fixing of addressable Photoelectric Heat Detector, include base	10 Nos.		Nos.	
13	Supply & fixing of Four loop addressable Fire Alarm Control Panel, 198 points (99 detectors+99 devices), with backlight illumination, 2 Sounder circuits Requires network card	1 No.		Nos.	
14	Supply & fixing of addressable manual call point.	6 Nos.		Nos.	
15	Supply & fixing of addressable Loop isolation module.	4 Nos.		Nos.	
16	Supply installation and testing and commissioning of 2 x 1.5 sq.mm armoured cable for wiring of necessary sensing device to the panel with adequate size PVC casing / pipe with all sorts of fixing materials and accessories required.	200 Mtr.		Mtr.	
17	Supply and installation of response indicator	25 Nos.		Nos.	
18	Supply and installation of 4" x 4" metal Junction Box	25 Nos.		Nos.	
19	Supply & fixing of addressable Intelligent Wall Mounted Sounder	10 Nos.		Nos.	
20	ISI marked ABC type fire extinguisher conforming to IS: 13849 (5Kg)	15 Nos.		Nos.	
21	ISI marked CO2 type fire extinguisher conforming to IS: 2878 (4.5Kg)	15 Nos.		Nos.	

Total: Part C=

Total: Part A+B+C =

Total tendered amount (in words.....

.....

[The prices quoted shall be including all statutory levies excluding GST, which shall be paid extra]

Maximum number of workmen likely to be engaged in days work..... numbers

Permanent Income Tax A/C.No... ..

Date:

(Signature of Tenderer)

[Total amount of tender, completion time and preliminary time as quoted / stated above are to be carried over to Form of Tender attached]

Witness: -

(Name in block letters)

Address:

Occupation:

THE BOARD OF TRUSTEES FOR THE PORT OF KOLKATA
FORM OF TENDER

To
 The Chief Engineer,
 Kolkata Port Trust.

I/We _____
 _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 **six months** 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.

THE TOTAL AMOUNT OF TENDER Rs. _____

Not to mention here

(Repeat in words) _____ **Not to mention here**

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

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

Dated:
 with Seal)

(Signature of Bidder

WITNESS :

Signature :

Name of the Bidder :

Name :

(In Block Letters)

Address :

Address :

Occupation :

ANNEXURE - F

General Conditions of Contract Forms and Agreements

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

Including Addendum Sanctioned by the Trustees Meeting held
on July, 2014

**KOLKATA PORT TRUST
KOLKATA DOCK SYSTEM
& HALDIA DOCK COMPLEX
JULY , 2014**

GENERAL CONDITIONS OF CONTRACT

	CLAUSE		PAGES
1.	AMENDMENT TO GENERAL CONDITIONS OF CONTRACT	...	GC 1
2.	DEFINITION	...	GC 2 – GC 3
3.	DUTIES&POWERSOFENGINEER&ENGINEER'S REPRESENTATIVE	...	GC 3 – GC 5
4.	THE TENDER/OFFER AND ITS PRE-REQUISITES	...	GC 5 – GC 9
5.	THE CONTRACT & GENERAL OBLIGATIONS OF CONTRACTOR	...	GC 9 – GC 14
6.	COMMENCEMENT, EXECUTION AND COMPLETION OF WORK	...	GC 14 – GC 17
7.	TERMS OF PAYMENT	...	GC 18 – GC 20
8.	VARIATION AND ITS VALUATION	...	GC 20 – GC 22
9.	DELAY/EXTENSION OF COMPLETION TIME/LIQUIDATED DAMAGE/TERMINATION OF CONTRACT	...	GC 22 – GC 24
10.	MAINTENANCE AND REFUND OF SECURITY DEPOSIT	...	GC 24 – GC 25
11.	INTERPRETATON OF CONTRACT DOCUMENTS, DISPUTES & ARBITRATION	...	GC 25 – GC 27
12	FORMS GC-1, GC-2 , GC-3		
13	FORM OF AGGREMENT		
14	PROFORMA FOR B.G. FOR CONTRACT PERFORMANCE		
15	INTEGRITY PACT DOCUMENT: PROFORMA		
16	DRAFT Memorandum of Understanding between Ko.P.T. & Transparency International India		

GC - 1
AMENDMENT
TO
GENERAL CONDITIONS OF CONTRACT

CI-3.4 THE TENDER /OFFER & ITS PRE-REQUISITES

Table under sub-clause (a)

PREVIOUS			AS AMENDED		
Estimate d Value of Work	Amount of Earnest Money		Estimate d 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)

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

GC - 2

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 Employer 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.
- 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 Specification **of Specification**

Indian Standard's specifications / International Standard's Specifications (latest revisions) for materials and workmanship unless stated otherwise in the Tender.

GC - 3

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|------|---|----------------------|
| 1.10 | “Drawings” means the drawings referred to in the Tender and specification and any modification of such drawings approved in writing by the Engineer and such other drawings as may from time to time be furnished or approved in writing by the Engineer. | Drawings |
| 1.11 | “Contract” means and includes the General and Special Conditions of Contract, Specifications, Drawings, priced Bill of Quantities, the Tender / Offer, the letter of acceptance of the Tender/Offer, the Contract Agreement, if separately entered into and the Schedule of Rates and Price, if any, adopted by the Trustees at their discretion. | Contract |
| 1.12 | “Constructional Plant” means all appliances or things of whatsoever nature required 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 uninsuredable, 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 | Headings/ |

	Contract shall not be deemed to be part thereof or be taken into consideration in the interpretation or construction thereof or of the contract.	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

GC - 4

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 Engineer’s Representative
2.3	<i>The Engineer shall have full power and authority :</i>	Engineer’s 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 Engineer’s 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.

GC - 5

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 The tender

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.

must encompass all relevant aspects/ issues. 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.

GC - 6

(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 Disclosure of tender or subsequently, shall disclose the names of their Owner's name. 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.

3.4(a) Unless otherwise stipulated in the Notice Inviting Tender / Offer, Earnest every tender must be submitted with Earnest Money of the Money and amount calculated as per the following scale. 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/-.	1½% of the estimated value of work subject to a maximum of Rs. 10,000/- and minimum of Rs. 1,000/-.

GC - 7

(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 Exemption deposited fixed Security with the Trustees' FA & CAO / Manager from E.M. to (Finance) according to his Class of Registration, shall be exempt from Regd. Firms depositing the Earnest Money, as per the following scale :

Class of Registration	Amount of Fixed Security	Financial Limit of Each Tender
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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 to rejection.

Money may be liable

Tender without EM liable to rejection.

(ii) If before expiry of the validity period of his Tender/Offer, the tenderer amends his quoted rates or tender/offer making them unacceptable to the Trustees and/or withdraws his tender/offer, the Earnest Money deposited shall be liable to forfeiture at the option of the Trustees.

Forfeiture of E.M. before Acceptance of offer.

(f) The Earnest Money of accepted tender/offer shall be retained by the Trustees as part of the Security Deposit, for which a separate 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.

GC - 8

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

For works costing more than Rs.20,00,000/-	10% on first Rs.10,00,000/- + 7 1/2% on the next Rs.10,00,000/- + 5% on the balance.	1% on first Rs.10,00,000/- + 1/2% on the next Rs.10,00,000/- + 1/4% on the balance.
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- (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.**

GC - 9

- 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** **Bank Guarantee in lieu of Cash S.D. in certain cases**

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.

English
language to
be used

- (b) The contract shall be governed by all relevant Indian Acts. As applicable only within the jurisdiction of the High Court at Calcutta, India, including the following Acts :

Applicability
of laws
on the
contract

1. The 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.

Contractor
to Execute
Contract
Agreement.

- 4.3 Several documents forming the contract are to be taken as mutually explanatory of one another. Should there be any discrepancy, ambiguity, omission or error in the various contract documents, the Engineer shall have the power to correct the same and his decision shall be final and binding on the parties to the Contract.

Interpretation
of
contract
documents
—
Engineers’
Power

GC - 10

- 4.4 Two copies of the Drawings referred to in the general and special All Drawings

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.

are Trustees' property.

- 4.5 The Contractor shall prove and make at his own expense any working or progress drawings required by him or necessary for the proper execution of the works and shall, when required, furnish copies of the same free of cost to the Engineer for his information and/or approval, without meaning thereby the shifting of Contractor's responsibility on the Engineer in any way whatsoever.

Contractor to prepare working / progress drawings

- 4.6 The Contractor shall not directly or indirectly transfer, assign or sublet the Contract or any part thereof without the written permission of the Engineer. Even if such permission be granted, the Contractor shall remain responsible (a) for the acts, defaults and neglect of any sub-contractor, his agents, servants or workmen as fully as if these were the acts, defaults or neglects of the Contractor himself or his agents, servants or workmen and (b) for his full and entire responsibility of the contract and for active superintendence of the works by him despite being sublet, provided always that the provision of labourers on a "piece rate" basis shall not be deemed to be sub-letting under this clause.

Contractor cannot sub-let the work

- 4.7 Unless otherwise specified, the Contractor shall be deemed to have included in his Tender/Offer all his cost for supplying and providing all constructional plant, temporary work. Materials both for temporary and permanent works, labour including supervision thereof, transporting to and from the site and in and about the work, including loading, unloading, fencing, watching, lighting, payment of fees, taxes and duties to the appropriate authorities and other things of every kind required for the construction, erection, completion and maintenance of the work.

Contractors' price is inclusive of all costs

- 4.8 The Contractor shall be solely responsible for the adequacy, stability and safety of all site operations and methods of construction, even if any prior approval thereto has been taken from the Engineer or his Representative. The Contractor shall not be responsible for the correctness of the design or specification of the Temporary and Permanent works formulated by the Engineer; but the Contractor shall be fully responsible for the correct implementation thereof, as also for any design and specification prepared/proposed/used by the Contractor.

Contractor is responsible for all construction process, except for correctness of design and specification formulated by the Engineer

- 4.9 Whenever required by the Engineer or his representative, the Contractor shall submit to him the details of his (a) programme for execution of the work, (b) proposed procedure and methods of work, (c) proposed deployment of plant, equipment, labour, materials and temporary works.

Contractor to submit his programme of work

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.

GC – 11

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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|---|--|
| <p>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.</p> | <p>Contractor to supervise the works</p> |
| <p>4.11 The Contractor shall employ in execution of the Contract only qualified careful and experienced persons and the Engineer shall be at liberty to direct the Contractor to stop deployment of any of his staff, workmen or official at site and the Contractor shall within 48 hours comply with such instruction without any demur whenever the Engineer shall feel that the deployment of the person concerned will not be conducive to the proper and timely completion of the work.</p> | <p>Contractor to deploy qualified men and Engineer's power to remove Contractor's men</p> |
| <p>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.</p> | <p>Contractor is responsible for line, level, setting out etc.</p> |
| <p>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</p> | <p>Contractor is responsible to protect the work</p> |

Maintenance period (Guarantee Period) as per the directions of the Engineer as also for defects/damages if any caused to the work by the Contractor during such repairs and replacement in the maintenance period.

GC – 12

4.14 The Contractor shall at his own cost protect support and take all Contractor is precautions in regard to the personnel or structure or services or responsible properties belonging to the Trustees or not which may be interfered with for all or affected or disturbed or endangered and shall indemnify and keep damages to indemnified the Trustees against claim for injury, loss or damage caused other by the Contractor in connection with the execution and maintenance of structures / the work to the aforesaid properties, structures and services and/or to persons any person including the Contractor's workmen. Cost of Insurance caused by him Cover, if any, taken by the Contractor shall not be reimbursed by the in executing Trustees, unless otherwise stipulated in the Contract. the work.

4.15 The Contractor shall immediately inform the Engineer's Fossils, Representatives if any fossil, coins, articles of value or antiquity and Treasure structures and other remains or things of geological or archaeological travois, etc. importance be discovered at site which shall remain the property of the are Trustees' Trustees and protect them from being damaged by his workmen and property arrange for disposal of them at the Trustees' expense as per the instruction of the Engineer's Representative.

4.16 The Contractor shall be deemed to have indemnified and shall Contractor to indemnify the Trustees against all claims, demands, actions and Indemnify the proceedings and all costs arising therefrom on account of : Trustees

(g) Infringement of any patent right, design, trademark or name or claims for other protected right in connection with the works or temporary loss, damage, work. etc.

- (h) 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.
- (i) 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.
- (j) Damage/injury caused to any highway and bridge on account of the movement of Contractor's plants and materials in connection with the work.

- (k) Pollution of waterway and damage caused to river, lock, sea-wall or other structure related to waterway, in transporting contractor's plants and materials.
- (l) 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.

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**

GC – 13

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

Narcotics, Alcoholic liquor, Arms and Ammunitions, (iii) unlawful, riotous or disorderly conduct of the Contractor's or his Sub-Contractor's workmen, (iv) deployment of workmen of age less than 16 years.

- 4.19 Every direction or notice to be given to the Contractor shall be deemed to have been duly served on or received by the Contractor, if the same is posted or sent by hand to the address given in the tender or to the Contractor's Site Office or 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

GC – 14

- 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 to commence

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.

- 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.

- 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 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.

work an
maintenance of
steady rate of
progress

Contractor's
site office

Contractor to
observe
Trustees'
working hours

GC – 15

- 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

Unless stipulated otherwise in the contract, the cost of any test

Contractor to

required by the Engineer or his representative in respect of materials and workmanship deployed on the work, shall be borne by the Contractor. 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 The Contractor transporting the materials from the Trustees' Stores, watching, shall account storing and keeping them in his safe custody, furnishing of for and look statement of consumption thereof in the manner required by the after the Engineer or his representative, return of surplus and empty Trustees' container to the Trustees' Stores as per the direction of the materials Engineer or his Representative.
- (b) Being the custodian of the Trustees' materials, the contractor Contractor to shall remain solely responsible for any such materials issued to compensate for him and for any loss or damage thereof for any reason other loss and damage than "Excepted Risks", the Contractor shall compensate the to Trustees' Trustees' in the manner decided by the Engineer and shall at no materials stage remove or cause to be removed any such material from the site without his permission in writing.
- (c) The Trustees' materials will generally be supplied in stages and in Delay in supply accordance with the rate of progress of work but except for grant of Trustees' of suitable extension of completion time of work as decided by the materials will Engineer. The Contractor shall not be entitled to any other only entitle the compensation, monetary or otherwise, for any delay in the supply Contractor for of Trustees' materials to him. The Contractor shall, however, extension of communicate his requirement of such materials to the Engineer completion time from time to time. of work

GC – 16

(d) Unless stipulated otherwise in the contract, the value of the Recovery from Trustees' materials issued to the contractor shall be recovered Contractor for from the contractor's bills and/or any of his other dues, Trustees' progressively according to the consumption thereof on the materials work and/or in the manner decided by the Engineer or his under normal representative and at the rate/s stipulated in the contract. circumstances 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.

(e) If the Engineer decides that due to the contractor's negligence, Recovery from any of the Trustees' materials issued to the contractor has Contractor for

been – (i) lost or damaged, (ii) consumed in excess of Trustees' requirement and (iii) wasted by the contractor in excess of materials normal wastage, then the value thereof shall be recovered under other from the contractor's bills or from any of his other dues, after circumstances. adding 19 ¼% extra over the higher one of the followings -

- (1) The issue rate of the materials at the Trustees' Stores and
- (2) The market price of the material on the date of issue as would be determined by the Engineer.

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

GC – 18

6.0 TERMS OF PAYMENT :

- 6.1** No sum shall be considered as earned by or due to the Contractor in respect of the work till final and satisfactory completion thereof and until a certificate of final completion in Form G.C.2 has been given by the Engineer.
- All interim payments are advances till issue of Certificate in Form G.C.2
- On account payments, if any, made prior to issue of the certificate in Form G.C.2, shall all be treated as mere advance, which shall stand recoverable in full or in part, if the Engineer so decides in the context of Contractor's unfulfilled contract condition, if any.
- 6.2** All payments shall be made to the Contractor only on the basis of measurements of actual work done, as recorded in the Trustees' measurement books and at accepted tendered or at agreed rates, as the case may be, except as otherwise provided in the contract and when the Engineer decides any other rate for change in the scope of work or omission, if any, on the part of the Contractor.
- Payment on the basis of measurements at agreed rates.
- 6.3** For work of sanctioned tender value more than Rs.50,000/- or having an initially stipulated completion period of 4 months or more, on account payments may be made at the discretion of the Engineer or his Representative at intervals deemed suitable and justified by him. Provided always that subject to execution of work of substantial value in the context of the contract price, the interval of such on account payments shall be decided by the Engineer or his Representative, which shall ordinarily not be less than 1 month in between two payments for on account bill and/or advance.
- Limitation for on account payment
- 6.4** Measurement for works done shall be progressively taken by the Engineer's Representative and entered in the Trustees' Measurement Book, at intervals deemed suitable and proper by him and/or the Engineer. The Contractor or his duly accredited Representative or Agent shall remain present at the time of such measurement and assist the engineer's Representative in every manner required by him. After the measurements taken have been entered in the Measurement Book, the Contractor or his Agent shall sign the Measurement Book at the end of such Measurements over the Contractor's Rubber Stamp as a token of acceptance of all such measurements, recorded above and prior to such signature. If the Contractor or his Agent fails to participate even after 3 days written notice from the Engineer's Representative, the measurement shall be taken ex-parte by the Engineer's Representative and those shall be accepted by the
- Recording of measurements

Contractor.

GC – 19

- 6.5** Based on the quantum of work and the value thereof computed in the Measurement Book, the Contractor shall type out his bill in the proforma approved by the Engineer and submit the same to the Engineer's Representative in quadruplicate, duly signed by him or his accredited Agent over his Rubber Stamp. The Engineer or his Representative may in his absolute discretion, allow advance payment against such bill to the extent of an amount not exceeding 75% of the "net payable" sum of the said bill, subject to adjustment thereof against the bill at the time of checking and auditing the bill at the Trustees' end. The measurement Book will not be handed over to the Contractor; but he will obtain the abstracts of quantities, amounts and recoveries to type out the bill. **Contractor to prepare and submit his bills**
- 6.6** At the discretion of the Engineer or his Representative and only in respect of accepted offers/where estimated amount put to tender would be Rs.2,00,000/- or more, advance payment may be made to the extent of 75% of the value of any material purchased and brought to the site by the Contractor. Provided always that – **Advance payment against Non-perishable materials**
- (i) the materials shall, in the opinion of the Engineer or his Representative be of imperishable nature,
 - (ii) the value of such materials shall be assessed by the engineer or his Representative at their own 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,

GC – 20

(vi) in the event of storage of such materials outside the Trustees' protected areas the Contractor shall submit to the Engineer an irrevocable Bank Guarantee favouring the Trustees and for the same sum as is being advance, in the proforma and manner acceptable to the Trustees. The Guarantee shall be of a Calcutta/Haldia Branch of any Nationalised Bank or a Schedule Commercial Bank, as the case may be, acceptable to the Trustees and shall remain valid till the anticipated period of consumption of such materials in the work. The Bank Guarantee must bear an undertaking by the issuing Bank guaranteeing automatic payment of the guaranteed sum to the Trustees by the Bank on the date of expiry of the validity of the Guarantee, unless with the prior written approval of the Engineer on behalf of the Trustees, the Bank has extended the validity of the Guarantee.

(vii) The amount of advance shall be recoverable from the contractor's bills or any other dues, progressively with the consumption of the materials on the basis of quantity consumed. Consequent on full recovery of the advance the Indemnity Bond/Bank Guarantee, vide Sub-clause (v) & (vi) above, shall be returned to the Contractor duly discharged by the Engineer on behalf of the Trustees.

- | | | |
|-----|--|---------------------------------------|
| 6.7 | No certificate of the Engineer or his representative shall protect the Contractor against or prevent the Trustees from obtaining repayment from the Contractor, in case the Engineer or his representative should overcertify for payment or the Trustees should over-pay the Contractor on any account. | Recovery for wrong and over payment |
| 6.8 | No claim for interest shall be admissible or payable to the Contractor at any stage and in respect of any money or balance or Bank Guarantee, which may be due to the Contractor from the Trustees, owing to dispute or otherwise or for any delay on | Interest not admissible to Contractor |

the part of the Trustees in making interim or final payment or otherwise.

7.0 VARIATION AND ITS VALUATION :

7.1 The Quantities set out in the Bill of Quantities of the tender shall be treated as estimated quantities of the work and shall never be deemed as actual or correct quantities of the works to be executed by the contractor in fulfilment of his obligation under the contract.

Quantities in
Bill of
Quantities of
Tender

7.2 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

GC – 21

- 7.2**
- (a) Increase or decrease the quantity of any work included in the contract.
 - (b) Omit any work included in the contract.
 - (c) Change the Character or quality or kind of any work included in the contract.
 - (d) Change the levels, lines, position and dimensions of any part of the work, and
 - (e) Execute extra and additional work of any kind necessary for completion of the works

7.3 No such variation shall in any way vitiate or invalidate the contract or be treated as revocation of the contract, but the value (if any) of all such variations evaluated in 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

Where written
order for
variation is
not needed

- clause.
- 7.5 (a) The Contractor shall not be entitled to any claim of extra or additional work unless they have been carried out under the written orders of the Engineer. Payment for extra or additional, or omitted work
- (b) The Engineer shall solely determine the amount (if any) to be or substituted added to or deducted from the sum named in the tender in work, respect of any extra work done or work omitted by his order. Engineer's powers
- (c) All extra, additional or substituted work done or work omitted by order of the Engineer shall be valued on the basis of the rates and prices set out in the contract, if in the opinion of the Engineer, the same shall be applicable. If the contract does not contain any rates or prices directly applicable to the extra, additional or substituted work, then the Engineer may decide the suitable rates on the basis of Schedule of Rates (including surcharge in force at the time of acceptance of tender), if any, adopted by the Trustees with due regard to the accepted contractual percentage, if any thereon. In all other cases the Engineer shall solely determine suitable rates in the manner deemed by him as fair and reasonable, and his decision shall be final, binding and conclusive.

GC – 22

- (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 Extension of completion time

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 ‘Liquidated stipulated dates or such extension thereof as communicated by Damage’ and the Engineer in writing, the Contractor shall pay as other compensation (Liquidated Damage) to the Trustees and not as a compensation penalty, ½% (half percent) of the total value of work (contract due to Trustees 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 shall be determined by the Engineer, which shall be final and binding.

GC – 23

- (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 Default of the Trustees may, in their absolute discretion, terminate the contract Contractors and enter upon the site and works and expel the Contractor there remedies &

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 :

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's or his Representative's written notice to proceed with the work.
- (iv) The Contractor has failed to remove materials from site or to dismantle or demolish and replace work for 7 days after receiving from the Engineer or his representative the written notice stating that the said materials or work were condemned and rejected by him under these conditions.
- (v) The Contractor is not executing the works in accordance with the contract or is persistently or flagrantly neglecting to carry out his obligations under the contract.
- (vi) Any bribe, commission, gift or advantage is given, promised or offered by or on behalf of the contractor to any officer, servant or representative of the Trustees or to any person on his or their behalf in relation to the obtaining or to the execution of the contract.
- (vii) The Contractor is adjusted insolvent or enters into composition with his creditors or being a company goes into liquidation either compulsory or voluntary.

GC – 24

- 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 I in no case be more than market rates prevailing at the time of taking over by the Trustees. The Engineer's decision in all such case shall be final, binding and conclusive.

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

9.0 MAINTENANCE AND REFUND OF SECURITY DEPOSIT

9.1 On completion of execution of the work the Contractor shall maintain the same for a period, as may be specified in the form of a Special Condition of the Contract, from the date mentioned in the Initial Completion Certificate in Form G.C.1. Any defect/fault, which may appear in the work during aforesaid maintenance period, arising, in the sole opinion of the Engineer or his representative, from materials or workmanship not in accordance with the contract or the instruction of the Engineer or his representative, shall, upon the written notice of the Engineer or his representative, be amended and made good by the Contractor at his own cost within seven days of the date of such notice, to the satisfaction of the Engineer or his representative, failing which the Engineer or his representative shall have the defects amended and made good through other agency at the Contractor's risk and cost and all expenses, consequent thereon or incidental thereto, shall be recoverable from the Contractor in any manner deemed suitable by the Engineer.

Contractor's obligation for maintenance of work.

GC – 25

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

Certificate of final completion

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.

- | | | |
|--|---|----------------------------------|
| 9.3 | On completion of the contract in the manner aforesaid, the Contractor may apply for the refund of his Security Deposit by submitting to the Engineer (I) The Treasury Receipts granted for the amount of Security held by the Trustees, and (ii) his "No further claim" Certificate in Form G.C.3 annexed hereto (in original), where upon the Engineer shall issue Certificate in Form G.C.2 and within two months of the Engineer's recommendation, the Trustees shall refund the balance due against the Security Deposit to the Contractor, after making deduction therefrom in respect of any sum due to the Trustees from the Contractor. | Refund of
Security
Deposit |
| 10.0 INTERPRETATION OF CONTRACT DOCUMENTS, DISPUTES AND ARBITRATION | | |
| 10.1 | In all disputes, matters, claims, demands or questions arising out of or connected with the interpretation of the Contract including the meaning of Specifications, drawings, designs and instructions or as to the quality of workmanship or as to the materials used in the work or the execution of the work whether during the progress of the works or after the completion and whether before or after the determination, abandonment or breach of the contract the decision of the Engineer shall be final and binding on all parties to the contract and shall forthwith be given effect to by the Contractor. | Engineer's
decision |
| 10.2 | If the Contractor be dissatisfied with any such decision of the Engineer, he shall within 15 days after receiving notice of such decision require that the matter shall be referred to Chairman, who shall thereupon consider and give a decision. | Chairman's
award. |
| 10.3 | If, however, the Contractor be still dissatisfied with the decision of the Chairman, he shall within 15 days after receiving notice of such decision require that within 60 days from his written notice, the Chairman shall refer the matter to an Arbitrator of the panel of Arbitrators to be maintained by the Trustees for the purpose and any such reference shall be deemed to be a submission to arbitration within the meaning of Indian Arbitration Act, 1940 or any statutory modification thereof. | Arbitration. |
| 10.3.1. | If the Arbitrator so appointed is unable or unwilling to act or resigns his appointment or vacates his office due to any reason whatsoever, another person from panel shall be appointed as Sole Arbitrator and he shall proceed from the stage at which 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 condition s 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.

GC – 27

- [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.

(TO BE SUBMITTED WITH COVER- I OFFER)
THE BOARD OF TRUSTEES FOR THE PORT OF KOLKATA
FORM OF TENDER (UNPRICED)

To
The Manager (I&CF),
Haldia Dock Complex.

I/We _____

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.

THE TOTAL AMOUNT OF TENDER Rs. **NOT TO BE QUOTED IN COVER I OFFER**
(Repeat in words) **NOT TO BE QUOTED IN COVER I OFFER**

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 have deposited with the Trustees' Manager (Finance), HDC, vide Receipt No. _____ of _____ as Earnest Money.

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

Dated : (Signature of Bidder with Seal)

WITNESS :

Signature :
Name : (In
Block Letters)
Address :

Occupation
:

Name of the Bidder :

Address :

KOLKATA PORT TRUST 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.0.....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

**KOLKATA PORT TRUST
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**

**KOLKATA PORT TRUST
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)

KOLKATA PORT TRUST 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 of2010

WITNESSES

 (Signature)

 (Signature)

 (Name)

 (Name)

 (Official address)

 (Designation with Bank Stamp)
 + Attorney as per power of Attorney No.

Dated

Integrity Pact

Between
Kolkata Port Trust (KoPT) hereinafter referred to as “ **The Principal/ Employer**”.

And

..... hereinafter referred to as “

The Bidder/Contractor”

Preamble

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

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

NOW, THEREFORE,

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

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

Section 1 – Commitments of the Principal/ Employer .

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

Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.

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

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

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

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

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

Section 4-Compensation for damages

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

Section 5-Previous transgression

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

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

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

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

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

Section 8 – Role of Independent External Monitor(IE M):

- (a) The task of the Monitors shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this pact.
- (b) The Monitors shall not be subject to instructions by the representatives of the parties and shall perform their functions neutrally and independently.
- (c) Both the parties accept that the Monitors have the right to access all the documents relating to the contract.
- (d) As soon as the Monitor notices, or has reason to believe, a violation of this pact, he will so inform the authority designated by the Principal and the Chief Vigilance Officer of Kolkata Prot Trust.
- (e) The BIDDER/ CONTRACTOR(s) accepts that the Monitor has the right to access without restriction to all contract documentation of the PRINCIPAL including that provided by the BIDDER/

CONTRACTOR. The BIDDER/ CONTRACTOR will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his contract documentation, if any. The same is applicable to sub-contractors. The Monitor shall be under contractual obligation to treat the information and documents of the Bidder/Contractor/ Sub-contractor(s) with confidentiality.

(f) The Principal/ Employer will provide to the Monitor sufficient information about all meetings among the parties related to the contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor, the option to participate in such meetings.

(g) The Monitor will submit a written report to the designated Authority of Principal/ Employer/ Chief Vigilance Officer of Kolkata Port Trust within 8 to 10 weeks from the date of reference or intimation to him by the Principal/ Employer/ Bidder/ Contractor and should the occasion arise, submit proposals for correcting problematic situation. BIDDER/ CONTRACTOR can approach the Independent External Monitor (s) appointed for the purposes of this Pact.

(h) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or to take corrective action, or to take other relevant action. The Monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.

(i) If the Monitor has reported to the Principal substantiated suspicion of an offence under the relevant IPC/PCA, and the Principal/ Employer has not, within reasonable time, taken visible action to proceed against such offence or reported to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.

(j) The word 'Monitor' would include both singular and plural.

Section 9 – Facilitation of Investigation:

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

Section 10 – Pact Duration:

The pact beings with when both parties have legally signed it and will extend upto 2 years or the complete execution of the contract including warranty period whichever is later. In case bidder/contractor is unsuccessful this Integrity Pact shall expire after 6 months from the date of signing of the contract.

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

Section 11 – Other Provisions:

- (1) This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal in Kolkata.
- (2) Changes and supplements as well as termination notices need to be made in writing in English.
- (3) If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.

- (4) Should one or several provisions of this agreement turn out to be invalid, the reminder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

(For & on behalf of the Principal)

(For & on behalf of Bidder/Contractor).

(Office Seal)

(Office Seal)

Place :

Date :

Witness 1:

(Name & Address)

.....

.....

Witness 2:

(Name & Address)

.....

.....

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 KoPT 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 KoPT.

- 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 KoPT 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 KoPT 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 KoPT. Besides this there would be a penalty of banning business dealings with KoPT or damage or payment of a named sum.

131

104

104