

## TENDER DOCUMENT

**KOLKATA PORT TRUST**  
**Office Of The Chief Engineer,**  
**Head Office Building, 15, Strand Road,**  
**Kolkata 700 001.**

**Tele – 033 2230-3451 Extension: 380,400,399 & 486**

**Fax - (033) 2230-0413**

**E-mail id: [santanumitra@kolkataporttrust.gov.in](mailto:santanumitra@kolkataporttrust.gov.in) &  
[cecontract@kolkataporttrust.gov.in](mailto:cecontract@kolkataporttrust.gov.in)**

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 **“Thorough renovation including interior decoration, plumbing & sanitary works, landscaping works, electrification, air-conditioning & fire alarm & detection system at Kolkata Port Trust Guest House at Chowringhee, Kolkata, West-Bengal”** as per Bill Of Quantities to Kolkata Port Trust Bid Document may be seen from MSTC website. Corrigenda or clarifications, if any, shall be hoisted on the above mentioned website only.

Bidders will have to participate in bidding process through website [www.mstcecommerce.com](http://www.mstcecommerce.com) only.

### SCHEDULE OF TENDER (SOT)

a TENDER NO.	KOPT/KDS/CIV /T/2289/40 Dt. 26.07.2018
b. MODE OF TENDER	e-Procurement System (Online Part I – Techno-Commercial Bid and Part II – Price Bid through <a href="http://www.mstcecommerce.com/eprochome">www.mstcecommerce.com/eprochome</a> KoPT of MSTC Ltd. The intending bidders are required to submit their offer electronically through e-tendering portal. No physical tender is acceptable by KOLKATA PORT TRUST.
c. E-Tender No.	<b>KoPT/Kolkata Dock System/CE/102/18-19/ET/241</b>
d. Date of NIT available to parties to download	<b>07.08.2018 to 27.08.2018</b>
e. Pre-Bid Meeting date & Time	<b>11-30 AM on 13.08.18</b>
f. Pre –Bid Meeting closing date & Time	<b>1-30 PM on 13.08.18</b>
g. i) Estimated Cost Of Work (PART 1 and PART 2)	<b>Rs.2,55,20,153.50 (Rupees Two crore fifty five lakh twenty thousand one hundred fifty three and paise fifty only)</b>
ii) Earnest Money Deposit	The intending bidders should submit Earnest Money of <b>Rs.5,10,410/- (Rupees Five lakh ten thousand four hundred ten only)</b> to KoPT as per NIT.  The intending bidders should submit the tender cost of

iii) Bid Document fee	<b>Rs.2950/- (Rupees Two thousand nine hundred fifty only including GST @ 18%) (non-refundable) separately to KoPT as per NIT, otherwise their offer will be summarily rejected.</b>
iv) Transaction Fee	<b>Rs.15,100/-</b> Including GST @18% on the whole) Payment of Transaction fee by NEFT/RTGS in favour of MSTC LIMITED (refer clause. No. 4 of Annexure –I ) has to be paid.
h. Last date of submission of EMD & Bid Document fee at Kolkata Port Trust  Last date of submission of Transaction fee through RTGS/NEFT in favour of MSTC Limited, Kolkata.	<b>28.08.2018</b> up to 15.00 Hrs.  <b><u>Three working days before the last date of closing of online bidding for the e-tender.</u></b>  <b>Bidders should attempt to deposit Transaction Fee 3 days prior to closing of bid to avoid rejection of bid on account of failure to confirm receipt by MSTC".</b>
i. Date of Starting of e-Tender for submission of on line Techno-Commercial Bid and price Bid at <a href="http://www.mstcecommerce.com/eprochome/">www.mstcecommerce.com/eprochome/</a>	<b>21.08.2018</b> ( From 12.00 hours onwards)
j. Date of closing of online e-tender for submission of Techno-Commercial Bid & Price Bid.	<b>28.08.2018 (Up to 3:00 P.M.)</b>
k. Date & time of opening of Part-I (i.e. Techno-Commercial Bid) Part-II Price Bid: Date of opening of Part II i.e. price bid shall be informed separately	<b>28.08.2018 (After 3:30 P.M.)</b>

### **List of Annexures**

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**Annexure-I****Important instructions for e- procurement/tender**

This is an e-procurement event of KOPT. The e-procurement service provider is MSTC Ltd., 225C, A.J.C. Bose Road, Kolkata-700 020. You are requested to read the terms & conditions of this tender before submitting your online tender.

1	<p>Process of E-tender :</p> <p>A) Registration: The process involves vendor's registration with MSTC e-procurement portal which is free of cost. Only after registration, the vendor(s) can submit his/their bids electronically. Electronic Bidding for submission of Technical Bid as well as Commercial Bid will be done over the internet. The Vendor should possess Class III signing type digital certificate. Vendors are to make their own arrangement for bidding from a P.C. connected with Internet. MSTC is not responsible for making such arrangement. (Bids will not be recorded without Digital Signature).</p> <p>SPECIAL NOTE: THE TECHNICAL BID AND THE COMMERCIAL BID HAS TO BE SUBMITTED ON-LINE AT <a href="http://www.mstcecommerce.com/eprochome/kopt">www.mstcecommerce.com/eprochome/kopt</a></p> <p>1). Vendors are required to register themselves online with <a href="http://www.mstcecommerce.com">www.mstcecommerce.com</a> → e-Procurement → PSU/Govtdepts → Select KoPT Logo → Register as Vendor -- Filling up details and creating own user id and password → Submit.</p> <p>2). Vendors will receive a system generated mail confirming their registration in their email which has been provided during filling the registration form.</p> <p>In case of any clarification, please contact KOPT/MSTC, (before the scheduled time of the e- tender).</p> <p>Contact person (KOPT):</p> <p>Dealing Officer's name :-</p> <ol style="list-style-type: none"> <li>1. S.Mitra, Superintending Engineer(Contract)</li> <li>2. S.K.Halder Ex.Engineer(Contract)</li> <li>3. P.SenGupta, Ex.Engineer(Contract)</li> <li>4. Sudhir Das, Ex. Engineer(Contract)</li> </ol> <p>Phone no. <b>033 2230-3451 Extension:400,399,398</b></p> <p>e-mail :- <a href="mailto:santanumitra@kolkataporttrust.gov.in">santanumitra@kolkataporttrust.gov.in</a></p> <p>Contact person (MSTC Ltd):</p> <ol style="list-style-type: none"> <li>1) Mr. Pritam Biswas, Assistant Manager (ERO)</li> </ol> <p>Mobile- 9903248755</p> <p>email- <a href="mailto:pbiswas@mstcindia.co.in">pbiswas@mstcindia.co.in</a></p> <ol style="list-style-type: none"> <li>2) Mr. Mayank Jain, Assistant Manager (ERO)</li> </ol>
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	<p>Mobile- 9721277969 email- <a href="mailto:mhjain@mstcindia.co.in">mhjain@mstcindia.co.in</a></p> <p>3) Mr. Vikash Kumar Jaiswal, Regional Manager (ERO) Mobile- 9903042449 email- <a href="mailto:vikash@mstcindia.co.in">vikash@mstcindia.co.in</a></p> <p><b>Helpdesk service (with call recording facility) having the number (033) 2290 1004 which is operational on all working days from 10 AM to 6PM to attend to vendors</b></p> <p>B) System Requirement:</p> <p>i) Windows 7 or above Operating System ii) IE-7 and above Internet browser. iii) Signing type digital signature iv) Latest updated JRE 8 (x86 Offline) software to be downloaded and installed in the system.</p> <p>To enable ALL active X controls and disable 'use pop up blocker' under Tools→Internet Options→ custom level (Please run IE settings from the page <a href="http://www.mstcecommerce.com">www.mstcecommerce.com</a> once)</p>
2	<p>The Techno-commercial Bid and the Price Bid shall have to be submitted online at <a href="http://www.mstcecommerce.com/eprochome/kopt">www.mstcecommerce.com/eprochome/kopt</a>. Tenders will be opened electronically on specified date and time as given in the Tender.</p>
3	<p>All entries in the tender should be entered in online Technical &amp; Commercial Formats without any ambiguity.</p>
4	<p>Special Note towards Transaction fee:</p> <p>The vendors shall pay the transaction fee using "Transaction Fee Payment" Link under "My Menu" in the vendor login. The vendors have to select the particular tender from the event dropdown box. On selecting NEFT, the vendor shall generate a challan by filling up a form. The vendor shall remit the transaction fee amount as per the details printed on the challan without making change in the same. Once the payment gets credited to MSTC's designated bank account, the transaction fee shall be auto authorized and the vendor shall be receiving a system generated mail.</p> <p><b>Transaction fee is non-refundable.</b></p> <p>A vendor will not have the access to online e-tender without making the payment towards transaction fee.</p>
5	<p>Information about tenders /corrigendum uploaded shall be sent by email only during the process till finalization of tender by KOPT. Hence the bidders are required to ensure that their corporate email I.D. provided is valid and updated at the time of registration of vendor with MSTC (i.e. Service Provider). Bidders are also requested to ensure validity of their DSC (Digital Signature Certificate).</p>
6	<p>E-tender cannot be accessed after the due date and time mentioned in NIT.</p>
7	<p>Bidding in e-tender :</p> <p>a. Bidder(s) need to submit necessary EMD, Tender fees and Transaction fees (If ANY) to be eligible to bid online in the e-tender. Tender fees and Transaction fees are non refundable. No interest will be paid on EMD. EMD of the unsuccessful bidder(s) will be refunded by KOPT.</p> <p>b. The process involves Electronic Bidding for submission of Technical and Commercial Bid</p> <p>c. The bidder(s) who have submitted transaction fee can only submit their Technical Bid and Commercial Bid through internet in MSTC website <a href="http://www.mstcecommerce.com">www.mstcecommerce.com</a></p>

	<p>→ e-procurement →Psu/Govtdepts→ Login under KOPT→My menu→ Auction Floor Manager→ live event →Selection of the live event</p> <p>d. The bidder should allow running JAVA application. This exercise has to be done immediately after opening of Bid floor. Then they have to fill up Common terms/Commercial specification and save the same. After that clicking on the Technical bid. If this application is not run then the bidder will not be able to save/submit his Technical bid.</p> <p>e. After filling the Technical Bid, bidder should click 'save' for recording their Technical bid. Once the same is done, the Commercial Bid link becomes active and the same has to filled up and then bidder should click on "save" to record their Commercial bid. Then once both the Technical bid &amp; Commercial bid has been saved, the bidder can click on the "Final submission" button to register their bid</p> <p>f. Vendors are instructed to use <i>Attach Doc button</i> to upload documents. Multiple documents can be uploaded.</p> <p>g. In all cases, bidder should use their own ID and Password along with Digital Signature at the time of submission of their bid.</p> <p>h. During the entire e-tender process, the bidders will remain completely anonymous to one another and also to everybody else.</p> <p>i. The e-tender floor shall remain open from the pre-announced date &amp; time and for as much duration as mentioned above.</p> <p>j. All electronic bids submitted during the e-tender process shall be legally binding on the bidder. Any bid will be considered as the valid bid offered by that bidder and acceptance of the same by the Buyer will form a binding contract between Buyer and the Bidder for execution of supply.</p> <p>k. It is mandatory that all the bids are submitted with digital signature certificate otherwise the same will not be accepted by the system.</p> <p>l. 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.</p> <p>m. No deviation of the terms and conditions of the tender document is acceptable. Submission of bid in the e-tender floor by any bidder confirms his acceptance of terms &amp; conditions for the tender.</p>
8	Any order resulting from this tender shall be governed by the terms and conditions mentioned therein.
9	No deviation to the technical and commercial terms & conditions are allowed.
10	KoPT has the right to cancel this e-tender or extend the due date of receipt of bid(s) without assigning any reason thereof.
11	The online tender should be submitted strictly as per the terms and conditions and procedures laid down in the website <a href="http://www.mstcecommerce.com/eprochome/kopt">www.mstcecommerce.com/eprochome/kopt</a> of MSTC Ltd.
12	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.
13	The bid will be evaluated based on the filled-in technical & commercial formats.
14	Bidders are requested to read the vendor guide and see the video in the page <a href="http://www.mstcecommerce.com/eprochome">www.mstcecommerce.com/eprochome</a> to familiarize them with the system before bidding.

15	<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><b>A declaration in this regard is to be made by the bidder.</b></p>
16	<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 e-tendering Portal of MSTC.</p>

**Annexure –II**

**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) &**

**Commercial Terms & Conditions**

SL. NO.	TERMS
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	Price Bids (Part-II) of only those eligible bidders whose Part-I Bids are complete and in order shall be opened on time and date to be intimated later separately.
3	Copy of valid NSIC Certificate or MSME Certificate has to be submitted along with the bid.
4	Due date of submission of tender will not be extended under any situation.
5	EARNEST MONEY : As Per NIT
6	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) for items for which the tender is invited.
7	<b><u>SCOPE OF WORK :</u></b> As per E-Tender Document
8	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.
9	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.

- 10 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.
- 11 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.
- 12 The contract shall be governed by all relevant Indian Acts applicable only within the jurisdiction of the High Court at Calcutta.
- 13 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.
- 14 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 (Kolkata)** for Civil work & **Chief Mechanical Engineer/Superintending Engineer (Elec-I)** for Electrical works or their authorized representative at their office at **15, Strand Road, Kolkata 700001 & 8 C.G.R Road, Kolkata-43** respectively 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.
- 15 **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.

16 **NON- RESPONSIVE BIDDER :-**

The offer/tender shall be treated as non-responsive, if it :

- (i) is not accompanied by requisite earnest money /valid NSIC/ 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.

- (vi) if the tender is conditional.
- vii) if all the documents required as per NIT are not uploaded.

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.

- 17 EARNEST MONEY AND SECURITY DEPOSIT : As per tender Document
- 18 Performance Guarantee : Not Applicable
- 19 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.**
- 20 PRICES: As per BOQ given in the tender document.
- 21 The bidder shall quote his price as per the Bill of Quantities in the Price bid (Part-II)
- 22 Orders may be placed in full/part to the lowest bidder.
- 23 Price(s) to be quoted should remain firm over the contract period.
- 24 **The prices quoted shall be including all statutory levies excluding GST, which shall be paid extra.**
- 25 **EVALUATION CRITERIA: As per relevant clause of Tender document.**
- 26 PAYMENT: As per Tender document.
- 27 Location: As per Tender document.
- 28 Time of Completion: As per Tender document.
- 29 Work is to be carried out as per terms & condition of the contract document.

### 30 JURISDICTION OF COURT :

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

### PERSONAL PROTECTIVE EQUIPMENT (PPE):

- 31 Contractor and their workmen including driver & helper must use PPE i.e. safety helmet,safety ladders,safety shoes etc. at the time of work inside the premises
- 32 Compensation (Liquidated Damages) against failure to complete the work within the stipulated time as per tender condition.
- 33 Price adjustment clause: As per Tender document.
- 34 Technical capacity: As stipulated in Tender document.
- 35 Financial capacity: As stipulated in Tender document.
- 36 DOCK PERMITS : As per tender document.
- 37 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.**

कोलकाता पत्तन न्यास  
**Kolkata Port Trust**  
सिविल इंजीनियरिंग विभाग  
CIVIL ENGINEERING DEPARTMENT  
 15, स्ट्रैंड रोड, कोलकाता - 700001  
 15, Strand Road, Kolkata - 700001

NIT No.: KOPT/KDS/CIV /T/2289/40

Dt. 26.07.2018

NOTE: Last Date of Download of tender

documents : 27.08.18 (up to 14.00 hours)

Tender is due for submission by 3:00 P.M. On 28.08.18

**Techno Commercial Bid(Part-I)**

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Thorough renovation including interior decoration,plumbing & sanitary works, landscaping works,  
 electrification,air-conditioning & fire alarm & detection system at Kolkata  
 Port Trust Guest House at Chowringhee,Kolkata,West Bengal.

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### **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.

<b>➤ Name of work</b>	:	<b>Thorough renovation including interior decoration,plumbing &amp; sanitary works, landscaping works, electrification,air-conditioning &amp; fire alarm &amp; detection system at Kolkata Port Trust Guest House at Chowringhee,Kolkata,West Bengal..</b>
<b>E-Tender No</b>	:	<b>KoPT/Kolkata Dock System/CE/102/18-19/ET/241</b>
<b>Estimated Cost (Part 1 and Part 2)</b>	:	<b>Rs.2,55,20,153.50 (Rupees Two crore fifty five lakh twenty thousand one hundred fifty three and paise fifty only)</b>
<b>Period Of Execution</b>	:	<b>8 (Eight) Months</b>
<b>Earnest Money</b>	:	<b>Rs.5,10,410/- (Rupees Five lakh ten thousand four hundred ten only)</b>
<b>Period of Download of E-Tender (Both Days Inclusive)</b>	:	<b>07.08.2018 to 27.08.2018 (UPTO 14:00 HRS.)</b> (Bid document will be available on MSTC, Website). Bidders will have to participate in bidding process through website <a href="http://www.mstcecommerce.com">www.mstcecommerce.com</a> only.
<b>Date and Time for pre-bid meeting &amp; site visit</b>	:	<b>11-30 AM on 13.08.18</b> <b>Program of site visit to be finalized in consultation with Superintending Engineer (Kolkata).</b>
<b>Last date of submission of e-tender and opening of Cover - I of the tender</b>	:	<b>28.08.2018</b> Submission Up to 15:00 hrs. Opening After 15:30 hrs.
<b>Cost of Tender Document (Non-refundable)</b>	:	<b>Rs.2950/-(Rupees Two thousand nine hundred fifty only) including GST @ 18%)</b>
<b>➤ Contact Person.</b>	:	<b>S. Mitra, Superintending Engineer(Contract)</b> <b>S.K.Halder Ex. Engineer(Contract)</b> <b>P. Sen Gupta, Officer(Contract)</b> <b>S. Das, Ex. Engineer(Contract)</b>

Details of the Tender & Tender Documents are available in web site of MSTC and have to participate in bidding process through their website [www.mstcecommerce.com](http://www.mstcecommerce.com) only. Interested bidders may contact at [santanumitra@kolkataporttrust.gov.in](mailto:santanumitra@kolkataporttrust.gov.in) & [cecontract@kolkataporttrust.gov.in](mailto:cecontract@kolkataporttrust.gov.in)

NO. KOPT/KDS/CIV /T/2289/40

Dt. 26.07.2018

**NOTICE INVITING TENDER**

WORK TITLE: **Thorough renovation including interior decoration, plumbing & sanitary works, landscaping works, electrification, air-conditioning & fire alarm & detection system at Kolkata Port Trust Guest House at Chowringhee, Kolkata, West Bengal.**

**E -TENDER NO : KoPT/Kolkata Dock System/CE/102/18-19/ET/241**

E-Tender under single stage two part system (Part I: Techno-Commercial Bid and Part II: Price Bid) are invited from resourceful, experienced and bonafide agencies with sound technical and financial capabilities on fulfilling the following Pre-qualification Criteria;

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

1. The intending bidder must have successfully completed construction/maintenance/ remodeling/up gradation/ modification of Buildings/ Offices 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 40 % of the estimated amount of Civil Part (Part 1 of BoQ) put to tender.

Or (ii) 02 (Two) completed works each costing not less than 50 % of the estimated amount of Civil Part (Part 1 of BoQ) put to tender.

Or (iii) 01 (One) completed work costing not less than 80% of the estimated amount of Civil Part (Part 1 of BoQ) put to tender.

And also must have successfully completed **electrical installation works of Buildings/ Offices** 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 40 % of the estimated amount of Electrical Part (Part 2 of BoQ) put to tender.

Or (ii) 02 (Two) completed works each costing not less than 50 % of the estimated amount of Civil Part (Part 2 of BoQ) put to tender.

Or (iii) 01 (One) completed work costing not less than 80% of the estimated amount of Civil Part (Part 2 of BoQ) put to tender.

2. The Average Annual Financial Turnover of the bidding firm during the last three years, ending on **31-03-2017**, should be at least **30%** of the estimated amount put to tender.

3. Work experience as a sub contractor **shall not be** considered as the requisite qualification.

**TENDER AUTHORITY:-**

**The Chief Engineer, KOLKATA PORT TRUST, Head Office Building, 15, Strand Road, Kolkata - 700001.**

Tele- **033 2230-3451** Extension: 398,400,399 Fax:- **(033) 2230-0413.**

Due Date of submission	<b>28.08.2018</b>	Time	UPTO 15:00 hrs.	Date of Opening of Part-I of the Tender	<b>28.08.2018</b>	Time	15:30 hrs. onwards.
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Period of Download of E-Tender (Both Days Inclusive)	<b>07.08.2018 to 27.08.2018</b> (UPTO 14:00 HRS.) (Bid document will be available on MSTC, Website). Bidders will have to participate in bidding process through website <a href="http://www.mstcecommerce.com">www.mstcecommerce.com</a> only.
Date and Time for pre-bid meeting & site visit	<b>No pre bid meeting</b>
Cost of Tender document (Non-refundable)	<b>Rs.2950/- (Rupees Two thousand nine hundred fifty only</b> including GST @ 18%)
Earnest Money Deposit	<b>Rs.5,10,410/- (Rupees Five lakh ten thousand four hundred ten only)</b>
Time Of Completion	<b>08 (Eight) Months</b>
Estimated Cost Of Work	<b>Rs.2,55,20,153.50 (Rupees Two crore fifty five lakh twenty thousand one hundred fifty three and paise fifty only)</b>

#### **OTHER INSTRUCTIONS:-**

E-Tenderers are invited on two Part basis (i.e. Part-I Techno Commercial Part & Part-II Price Part) from resourceful, experienced and bonafide bidders with sound technical and financial capabilities for the above mentioned work at Kolkata Port Trust.

Details of the Tender & Tender Documents are available in web site of MSTC and have to participate in bidding process through their website [www.mstcecommerce.com](http://www.mstcecommerce.com) only.

Notification for issuance of any Addendum / Corrigendum to the tender document will be given only through MSTC website and the bidders are requested to check for the same at the website prior to submission of their offers.

E-Tenderers are not permitted to alter/change/delete/modify any clause of the tender document downloaded from the website. If any deviation / discrepancy is found after submission of tender, the submitted offer will be summarily rejected.

Bidders shall submit the Bid Document as stipulated in the "Instructions To Bidders" of the e-tender document. Trustees reserve the right to verify the submitted copies of documents / credentials with the original documents.

The successful tenderer will be required to comply with the relevant provisions of BOCW (RECS) Act, 1996, West Bengal BOCW (RECS) Act, 2004 and BOCW Welfare Cess Act, 1996 and the rules framed there under. An amount of Cess as per prevalent rate (presently @ 1% of the billed amount) shall be progressively recovered from all the bills of the contractor for onward transmission of the same to the appropriate authority.

E-Tenderers will be received through MSTC up to 15:00 hrs. on the last date of submission and opening of tender specified above.

Part-I (Techno commercial part) of the e-Tender will be opened shortly after 3.30 p.m. on the stipulated date.

Part-II (Price Part) of only technically & commercially qualified bidders will be opened at a later date under due intimation to all concerned.

In case of unscheduled Holiday / Bandh on the date of opening of E-Tender, the same will be opened on the next working day.

It is stated here that the subject **TENDER WILL NOT BE EXTENDED FURTHER UNDER ANY SITUATION.**

Kolkata Port Trust reserves the right to reject any or all offers or to accept the offer in whole or in part without assigning any reason whatsoever thereof.

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

The tenderer shall submit certified copies of the GST & PAN. EMD & cost of Tender Document to be submitted through Bank Draft/Banker's Cheque/Demand Draft etc. in favour of Kolkata Port Trust, payable at Kolkata, details to be uploaded along with the tender documents. The intending tender should have valid registration against ESI & EPF issued by the competent authority, failing which their offer will be considered as non responsive. **Once a Bid is submitted, it will not be allowed to be revised.**

**A.K. Jain  
Chief Engineer  
KOLKATA PORT TRUST**

### **INSTRUCTIONS TO BIDDER**

**E-TENDER FOR “Thorough renovation including interior decoration,plumbing & sanitary works, landscaping works, electrification,air-conditioning & fire alarm & detection system at Kolkata Port Trust Guest House at Chowringhee,Kolkata,West Bengal”.**

**E -TENDER NO : KoPT/Kolkata Dock System/CE/102/18-19/ET/241**

#### **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 (Kolkata) for Civil work & Superintending Engineer (Elec-I) 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 **Superintending Engineer(Contract)** 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.**Techno commercial part i.e. Part-I shall contain the followings 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).



- iib) The Firm has to submit copy of Valid Electrical Contractor License or the Firm has to submit the copy of **electrical supervisory License of the person who will carry out the electrical job.**
- iii) Valid Professional Tax Clearance Certificate / Up to date tax payment challan.
- 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. 2014 – 2015, 2015-2016 and 2016-2017) 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 bidders 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 Registration certificate/MSME
- (ii) is not accompanied by requisite Tender paper cost /NSIC Registration certificate/MSME
- (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.

- (vi) if the tender is conditional.
- viii) if all the documents required as per NIT are not uploaded.

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:-**

- 11.1 Micro & Small Enterprises (MSEs) registered with NSIC (under single point registration scheme) are exempted from depositing Cost of Tender Document and Earnest Money.
- 11.2 If Micro & Small Enterprises (MSEs) registered with NSIC 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**.

- .....
- 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.
- .....

## **SPECIAL CONDITIONS OF CONTRACT**

**E-TENDER FOR** "Thorough renovation including interior decoration, plumbing & sanitary works, landscaping works, electrification, air-conditioning & fire alarm & detection system at Kolkata Port Trust Guest House at Chowringhee, Kolkata, West Bengal."

**E -TENDER NO : KoPT/Kolkata Dock System/CE/102/18-19/ET/241**

### **1.0 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 over ride those in the General Conditions provided there is discrepancy between them.

### **2.0 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.

### **3.0 SCOPE OF WORK:**

#### **CIVIL PART**

The work comprises of thorough Up gradation/Modification of KoPT Guest House (Main & Annex Building) which includes thorough renovation inclusive of interior decoration like decorative false ceiling, vitrified

tiling etc. and plumbing and sanitary works like supply and installation of pipes, Bathroom accessories etc. In addition, the work also comprises of minor repair works like Plastering, dismantling etc. and landscaping works like laying of Turf, plantation of corton etc. at the Guest House premises along with and other appurtenant works inline and as described and set forth in the Bill of quantities, Special Conditions of Contract, Technical Specifications of Works, Specification for Materials and 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 the direction and up to the satisfaction of the Engineer.

**Electrical Part:-**

**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. Supply, delivery and installation of starter switch for 2 Tonne AC machine with 20ADP MCB with plug top.
8. Point Wiring.
9. Distribution wiring for 15A plug points and starter switch.
10. Circuit Wiring.
11. Earthing and related work.
12. Supply and fixing of electronic key tag-card operated on the existing modular plate & switch box including connections but including modular plate etc. as per direction of EIC.
13. Supply and fixing of Geyser (10 Litter).
14. Supply, installation & commissioning of inverter type high wall and Cassate type Split AC machines
15. Supply, installation & commissioning of fire alarm system.

12. Dismantling, shifting and handing over of old existing material to KoPT.

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, availability of space for storing materials/ making hutments and approaches to site etc., 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, shoring, strutting, form work, reinforcements, vibrators, other tools and plants, transportation, water supply, temporary drainage, dewatering of surface, necessary approaches, temporary fencing and temporary lighting as required for safety and work purposes etc.
- b) Prepare and submit for review and assessment to the Engineer working drawings showing how the work is actually going to be done including storage of materials, fencing etc., as well as sequence of construction and all other details 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.
- d) Providing all survey equipments with competent personnel to carry out survey works required for execution of the work.
- e) Providing temporary drainage diversion works during execution of the work.
- f) To exercise rigid quality control in execution of the work and to carry out sampling, testing, and furnishing the test results to the Engineer for the quality of construction materials and the quality of the work done.

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.

#### **4.0 LOCATION:**

The work site is located at Kolkata Port Trust Guest House at Chowringhee near Rabindra Sadan Metro Station.

## 5.0 ACCESS TO THE SITE:

- (a) By Road: From Chowringhee Road
- (b) By Rail : Rabindra Sadan Metro Station.

## 6) Work Site:

The work site is located at Kolkata Port Trust Guest House at Chowringhee near Rabindra Sadan Metro Station. 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 (Kolkata), 15, Strand Road, Kolkata 700001 for Civil work & Superintending Engineer (Elec-I) for Electrical works at 8, C.G.R road, Kolkata-43** to make the site inspection along with his representative.

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

## 8. SITE CONDITIONS & METHOD OF WORK:

The work shall have to be executed at Kolkata Port Trust Guest House 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.

## 9.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 **8(Eight) months** including preliminary time from the date of placement of work order for the whole work.



**10. 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.

**11. 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.

**12. 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.

**13. 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 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.

#### **14. 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.

#### **15. 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.

#### **16. 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. Nondestructive 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

**17. 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.

**18. 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.

**19. Plant & Constructional Equipment:**

The contractor shall supply his tools, plants and constructional equipments within his quoted rates ( If applicable).

**20. 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.

**21. 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 at his own cost.

**22. 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.

**23. 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.

**24. 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 –

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

## **25. 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.

## **26. 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.

## **27. 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.

## **28. 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.

**29. 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.

**30. 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.

**31. 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.

**32. 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 (Kolkata) 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.

**33. LABOUR, TOOLS & PLANTS:**

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

**34. ESCALATION / VARIATION ON PRICES:**

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

**35. 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.

### **36. 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, C.G.R road, Kolkata-43.**

### **37. 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.

### **38. 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.

#### **39. 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.

#### **40. 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.

#### **41. 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 and the quoted Amount, the rate quoted shall prevail as the amount quoted by the tenderer and the Tender Amount shall be derived by multiplying/adding/subtracting (as the case may be).

**47. 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.

**48. 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.

**49. 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.

**50. 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  $19\frac{1}{4}$  % departmental charges plus GST will be recovered from the security deposit or any other dues of the contractor.

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**CIVIL PART(Part:1)**  
**TECHNICAL SPECIFICATIONS**  
**KOLKATA PORT TRUST GUEST HOUSE**

**CARPENTRY AND JOINERY**

**1. GENERAL:**

**1.1. General Requirement.**

This section of the specifications shall be read in conjunction with the drawings and other contract documents and other sections of this specification which shall be deemed complimentary with one another. The contractor shall be responsible for providing all plant, tools, materials and all things necessary for the proper storage of materials, execution, completion and maintenance of the works.

**1.2. Delivery and Storage.**

All timber delivered to the site shall be carefully stored above ground in such a manner as to provide proper drainage, ventilation and protection from the weather and shall be stored in a proper manner according to each material type.

**1.3. Definition of carpentry.**

The definition of carpentry work shall be deemed to include fixing clips, blocking grounds, fittings, sub-frames, rough frames and wood framing members, as per relevant IS Codes.

**1.4. Moisture content of timber.**

Timber shall be well seasoned and clean dried with a moisture content of 12% nominal+2% for teak wood. The contractor should get it tested for moisture content of wood at their own cost as per the direction of the Architects/Engineer in charge and produce the certificate to Indian Oil Corporation Ltd for approval.

**1.5. Protection, Delivery & Storage.**

All timber shall be treated with preservatives before delivery to site.

All joinery and joinery timber shall be wrapped in polythene before and during transport and delivery to site.

While remaining in polythene wrappers the timber shall be protected from extremes of temperature and direct sunlight. Internal joinery and joinery timber shall be kept in its original polythene wrappers before working fixing and installing on site. Polythene

wrapping to external joinery and timber shall be removed on delivery to site or as previously specified.

#### **1.6.Timber.**

Timber shall be of the species stipulated in the schedules of rates. It shall be thoroughly seasoned, free of defects which would affects strength and shall be flat, straight, non aplitting and dressed on all sides. The timber shall be free from decay, fungal growth, bored heart, pitch pockets or streaks on the exposed edges, splits and cracks. Knots should be avoided. Seasoning of timber shall be approved as per IS: 1141 (specification for code practice for seasoning of timber) and code of practice for prevention of timbers as per IS: 401.

#### **1.7.Timber Fixing.**

The carpentry timber shall fixed with nails, spikes, bolts, screws, hangers, stirrups, anchors, ties or any other accessories which are suitable to develop the full strength of the member.

#### **1.8.Fixing.**

Carpentry timber fixed to solid masonry or concrete shall secured with expansion bolts or other positive method of mechanical fastening. Carpentry timber where fixed into hollow masonry shall be secured with toggle bolts and steel with bolts, nuts & washers as per instruction of Engineer.

#### **1.9.Fiber plugs.**

Fixing by means of well seasoned and preservative treated wooden plugs will be permitted only where it is required.

#### **1.10.Fastening.**

Power driven fasteners may be used for fastening to steel, concrete and brick masonry as approved by Engineer.

### **2. PROTECTION AND RETARDANTS:**

#### **2.1.Organic protection-timber generally.**

The contractor shall make his own investigation to guard against local sources of attack and damage and take all necessary precautions for protection.

All timber shall be protected with an organic solvent water repellent wood preservative to give a highly efficient protection against termite, spider, worm, all insect and insect and fungus and attack and shall where exposed, enhance the appearance of the timber, colour of the product shall be such as to bring out the natural colour of the respective timber.

The preservative shall penetrate deeply into the timber, shall protect against blue stain, rot, fungus & termite, spider, work & all insects attack and shall contain a resin which fixes the preserving agent and protects them against leaching and evaporation. The protection shall also be water repellent, weather proof and proof against peel, crack or blister of approved quality. Preservative treatment of timber shall be done as per IS: 401.

## **2.2.Fire Retardant.**

Fire retardant treatment of timber shall be applied by vacuum/pressure impregnation or manually and shall comply with the requirement of ISI code of practice and local fire requirements. The fire retardant effect shall be produced by the generation of water vapour and inert gases and the production of hard crystalline charcoal which acts as a heat barrier.

## **3. JOINERY.**

### **3.1.Timber veneers.**

- a) Timber veneers shall be of the timber species shown on drawings. Veneers are to be kept in sequence as it is being cut from wood and supplied as such to the site for accurate matching of figuring.
- b) Adhesives for using fixing veneers shall be in accordance with the manufacturer's recommendations and as approved by engineer-in-charge.
- c) If adhesives other than contact type are required then bonding shall be in presses.
- d) The veneer shall be finished as specified and shall be equal or superior quality to the laid down in IS: 1659-1960 or as approved.
- e) The contractor shall submit a one square meter sample of each finished veneer type for approval. The size of such sample shall be one square meter unless otherwise specified.
- f) Adhesive used for bonding BWP grade of plywood Boards shall be BWP type synthetic resins conforming IS: 848 respectively.

### **3.2.Plywood.**

- a) Plywood shall be a product of a balanced construction made of plies assembled by gluing, the chief characteristics being the crossing of alternate plies improve the strength properties and minimize movement the plan of board.
- b) Plywood shall be of best quality close grained plywood suitable for veneering, painting or bonding plastic laminate. It shall be a resin bonded, water proof board. Exposed edges shall be finished with an edge strip of solid teak wood tongued and grooves & glued or as detailed.
- c) The manufacturer and reference for plywood suitable shall be subject to approval. The thickness shall be in accordance with the drawings.
- d) Plywood shall be of BWP grade or BWP type synthetic resin conforming IS: 848.

### **3.3. Particle board.**

- a) Wood band particle board shall be a board made from wood particles bonded with a synthetic resin and/or other organic bonder. Thickness shall vary as shown on drawings. Particle board shall comply with SI 12823.
- b) Interior grade particle board shall be used externally or internally with damp surroundings.
- c) Manufacturer and reference for particle board shall be subject to approval.
- d) Adhesive used for bonding shall be conforming IS: 848.

### **3.4. Block board / Lamine board(solid).**

- a) Block boards have a solid core made up of uniform strips of wood each not exceeding 25mm in length, laid separately, or spot glued, or ootherwise joined to form a slab which is glued. Between two or more outer veneers. In any one block Board, the core strips shall be of one species of timber only. Face veneers may be decorative or commercial on both faces or decorative on on one face only and or commercial on the other. Block Boards shall be grade I (Exterior grade) as per IS: Code 1659.
- b) Manufacturer and reference of block board/shall be subject to approval.
- c) Adhesive used for bonding shall be conforming IS: 848.

### **3.5. Storage of sheet materials.**

Sheet materials shall be transported and stored flat, with sufficient support of prevent bowing and wrapping and to prevent damage to edges and corners. Sheet materials shall be protected from weather and kept off the ground and in dry, well ventilated condition.

### **3.6. Sample:**

The contractor shall submit sample of all materials including large samples of veneer assemblies for approval. All materials pre-fabricated, delivered and assembled shall be in accordance with the approved sample as per instruction of Engineer.

### **3.7. Shop drawings-Cabinet joinery:**

The contractor shall submit for approval shop drawings for all cabinet joinery. Shop drawing shall relate to site measurement and show in detail the construction of the various parts of the work, the method of jointing, the thickness and type of material, the finishes to be applied to the various exposed surfaces, details of anchoring, joints, welds, fastening and all other relevant information.



#### **4. JOINERY—GENERAL:**

##### **4.1. General.**

Joinery shall be carried out strictly in accordance with the drawings where joints are not specifically indicated recognized forms of joints shall be used.

Where no dimensions are specified or shown on drawings, the contractor shall space fixing battens, fillets, ground studs and the like, in accordance with the recommendation of the manufacturer.

#### **5.TIMBER VEREERED AND LAMINATED PLASTIC PANEL:**

##### **5.1.General.**

Reference should be made to section of this specification which relate to timber and plastic laminate veneer.

a)The panels shall be factory made and shall be selected timber veneer or plastic laminate veneer glued to water proof plywood (as per IS Code) the edge of which shall be finished with hardwood lipping. The size and finishes of the panels shall be in accordance with the drawing and schedules instruction of Engineer.

##### **5.2.Fire Rating.**

Panels shall be rendered fire retardant and to confirm to local fire regulations of concerned Authorities.

##### **5.3.Protection and Storage.**

a)Panels shall delivered to site in perfect condition and in their original protective coverings.

b)Panels shall be stored flat and stacked evenly in such a manner as to allow air to circulate around them freely and shall be protected from damp, direct sunlight and all other damage.

##### **5.4.Installation .**

a)Panels shall not be installed until all plastering work is dry.

b)Panels shall be installed according to the drawing & schedules and to the manufacturer's recommendations.

c)Panels are to be securely fixed to wall with screws on painted mild steel Z clips at 600 mm centers horizontally and 1200 mm centers vertically and shall be installed true and plumb on hardwood packing pieces as necessary.

d)Panel edges cut on site shall be scaled and made good with a veneer edging strip to match the factory finish.

e)On, completion of installation the panels shall be left to perfect condition and properly protected against damage, damp excessive heat, dirt and direct sunlight.

### **5.5.Samples.**

The contractor shall submit a sample of each type of veneer/laminate panel for approval before general fabrication is put in hand.

6. Great care must be exercised in cutting the RCC slabs/beams to located suitable reinforcement for welding the MS flats to be provided for suspension of false ceiling system. The damage to the RCC member shall be made good with cement mortar 1:3(1cement:3coarse sand). The projecting portion of the MS flat below the RCC member and any other steel member in the false ceiling system shall be painted with one coat of red oxide paint.

## **2.ALUMINIUM GLAZED PARTITION / DOORS / WINDOWS:**

### **2.1.General specification, materials & erection.**

Anodised tubular aluminium sections for doors, windows partition frames shall be of INDAL/JINDAL or approved equivalent make and shall be of size and design as per relevant drawings.

All moving and fixing frames shall be manufactured from Aluminium alloy conforming to IS IIE 9 WP.

The alternate vertical frames shall be taken up beyond false ceiling upto main RCC ceiling/beam and shall taken up beyond false ceiling upto main RCC ceiling/beam and shall be properly screwed with main RCC ceiling/beam by way of raw/plugs/flats/deats etc completed.

The door shutter section shall be 5.5 mm thick plain glass fixed with necessary gasket and snap fit aluminium beading strip. The glazing for shutters shall be 5.5 mm thick laminated safety glass or as specified.

The door shall be provided with one security 6 lever lock. The shutters shall be provided with anodized aluminium butterfly door handles inside and outside.

The average thickness of anodized coating shall not be less than 15 microns(IS:1968) or as specified. The glazed partition frames shall be provided with approved anchors @ 90 cm c/c maximum for fixing. The bottom rail shall be fixed by way of bolts/screws to the false flooring.

### **2.2.Payment.**

Payment including cost of labour, materials, taxes, carriages etc. shall be made on square meter basis of finished work. Fixed glazed partition shall be measured deducting the shutter within it and upto false ceiling only. Nothing extra shall be paid for taking vertical fame members upto main ceiling/RCC slab or beam. Door shutter shall be paid extra on square meter basis. Only clear opening or area for open able shutter left within the glazed partition shall be measured for payment.

**STANDARD TECHICAL SPECIFICATIONS FOR PAINTING JOB****1. PAINTING.****1.1. Materials**

Paint, oils varnishes etc of approved brand and manufacturer shall be used synthetic enamel paint as received from the manufacturer without any admixture shall be used. (Conforming to IS: 2932)

Approved paints, oil or varnishes shall be brought to the site of work by the contractor in their original containers in sealed condition. The empty tins shall not be removed from the site of work till the relevant item of work has been completed and obtained from the Engineer-in-charge.

**1.2. Commencing Work**

1.3. Painting shall not be started until the Engineer-in-charge has inspected the items of work to be painted, satisfied himself about their proper quality can give his approval to commence the painting work.

**1.4. Preparation Of Surface**

The surface shall be thoroughly cleaned and dusted. All rust, dirt scales, smoke and grease shall be thoroughly removed before painting is started. The prepared surface shall have received the approval of the Engineer-in-charge after inspection.

**1.5. Application**

Before pouring into smaller containers for use, the paint shall be continuously stirred in the small containers so that its consistency is kept uniform.

The painting shall be laid on evenly and smoothly by means of crossing and laying off, the later in the direction of the grain of wood. The crossing and lying off consists of covering the area over with paint, brushing the surface hard for the first time over and then brushing alternately in opposite direction, two or three times and then finally brushing alternately in opposite direction, two or three times and then finally brushing lightly in a direction at right angles to the same. In this process no brush marks shall be left after laying off is finished. The full process of crossing and laying off will constitute one coat.

Where so stipulated, the painting shall be done with spray, spray machine used may be high pressure type of or a low pressure type, depending on the nature and location of work to be carried out. Skilled and experienced workmen shall be employed for this class of work. Paint used shall be brought to the requisite consistency by adding a suitable thinner as recommended by the paint manufacturers.

Spraying shall be done only when dry condition prevails.

Each coat shall be allowed to dry out thoroughly and rubbed smooth before the next coat is applied.

Each coat except the last coat, shall be lightly rubbed down with sand paper or fine pumice stone and cleaned off dust before the next coat is laid.

No left over paint shall be put back into the stock tins.

No hair marks from the brush or dragging of paint particle in the corners of panels, angles of molding etc shall be left on the work.

In painting steel work, special care shall be taken while painting over bolts, nuts, rivets, overlaps etc.

The additional specification for primer and other coats of paints shall be as according to the detailed specifications under the respective headings.

#### **1.6. Brush And Containers**

1.7 After work, the brushes shall be completely cleaned from paint and linseed oil by rising with turpentine. The containers, when not in use, shall be kept closed.

#### **1.8. Measurement**

The units of measurement for painting except where otherwise stated shall be given in "Sq meter" painting of rain water, soil, waste, vent pipes, etc shall also be measured in "Sq meter".

#### **1.9 Precautions**

All furniture, fixtures, glazing, floors etc shall be protected by covering and stains, smear, splashing if any shall be removed and damage done shall be made good by the contractor at his cost.

#### **1.10 Rate**

Rate shall include cost of all labour and materials, taxes, carrying, cleaning of surface after painting involved in all the operation described above and in the particular specifications given under the several items. It shall also include cost of scaffolding.

### **2 PAINTING PRIMING COAT ON WOOD, IRON SURFACE**

#### **2.1 Materials**

The priming coat for woodwork or iron work shall be as specified in the description of the item. It shall be ready made primer of approved brand and manufacture. It shall be brought to site in their original packings in sealed condition.

## **2.2 Preparation Of Surface**

### **2.2.1. Wood work**

The woodwork to be painted shall be dry and free from moisture.

The surface shall be thoroughly deaned. All unevenness shall be rubbed down smooth with sand paper and shall be well dusted. Knots, if any, shall cover with preparation of red lead made by grinding red lead in water and mixing with strong glue size and used hot.

The surface treated for knotted shall be dry before painting is applied. After the priming coat is applied, the holes and identifications on the surface shall be stopped with glazier's putty or wood putty. Stopping shall be done before the priming coat is applied.

### **2.2.2 Iron and steel work**

All rust and seals shall be removed by scrapping or by brushing with steel wire brushes. Hard skin or oxide formed on the surface of wrought iron during rolling which becomes loose by rusting, shall be removed.

All dust and dirt shall be thoroughly wiped away from the surface. If the surface is wet, it shall be dried before priming coat is undertaken.

### **2.2.3 Application**

The shall be applied with brushes, worked well into the surface and spread even and smooth. The painting shall be done by crossing and laying off described.

## **3 PAINTING WITH SUPERIOR QUALITY SYTHETIC ENAMEL PAINT**

### **3.1 MATERIAL**

#### **a)Wood Work**

The superior synthetic enamel paint of the following brand and manufacture shall only be used.

a)"Luxol High gloss Synthetic Enamel" of Berger Paints.

b)"Apolite" of Asian Paints (India) Limited.

### **3.2 PREPARATION OF SURFACE**

#### **a)Wood Work**

The surface shall be cleaned and all unevenness removed as in para 2.2.1. Knots if visible, shall be covered with a preparation of red lead as in para 3.2..1. Holes and indentation on the surface shall be filled in and surface prepared as in 2.2.1.

#### **b)Iron and Steel work**

The priming coats shall have dried up completely before painting is started. Dust and scaling shall be carefully removed by scrapping or by brushing with steel wire thoroughly wiped.

### **3.3. APPLICATION**

The number of coats shall be as stipulated in the item. One coat of the specified paint shall be applied and allow to dry overnight. It shall be rubbed next day with the finest grade of wet adhesive paper to ensure a loose particles dusted off.

Next coats shall be applied after the first coat is thoroughly dry. Additional coats shall be applied if found necessary to ensure properly uniform glossy surface, free from streaks, blistered etc in all the cases paint manufacturer's instruction shall be followed meticulously.

## **4 PAINTING WITH WALL PAINT**

**4.1** The wall paint shall be of following brand and manufacturer:

a)"LUXOL" Silk Acrylic Emulsion paints of Berger paints or approved equivalent. The paint shall be of approved shade.

### **4.2 "Preparation of Surfaces"**

The surface shall be thoroughly cleaned of dust, old white or colour wash or other wall finish by washing with water and scrubbing such removal of white wash, colour washing etc will be paid for separately. The surface shall then be sand papered to give a smooth and even surface.

Scratches, holes etc shall be made good by applying putty, made of plaster of paris mixed with water on the surface and then sand papering the same after it is dry.

The wall surface which will be painted with wall paint shall be made smooth by applying a putty made of plaster of paris mixed with water on the entire surface including filling up the undulations and then sand papering the same after it is dry such application of plaster of paris will not be paid separately.

### **4.3 Material.**

Cement primer of approved brand and manufacture shall be used.

### **4.4 Application**

On properly prepared and primer surface, wall paint shall be applied in the usual manner with brush or roller.

The number of coat shall be as stipulated in the item.

When painting inside a wall ventilated room, the second coat can be applied one hour after the first.

The thinning of paint is to be done with water. The quantity of thinner to be added for first and second coat shall be as per manufacture's instructions.

The surface on finishing shall present a flat velvety smooth finish and uniform appearance. If necessary more coats will be applied till the surface present, uniform appearance. In all cases the manufacturer's instructions shall be followed meticulously.

4.5 Other details these shall be as per specification for painting (general) as for they are applicable.

## **5 French Spirit Polishing.**

5.1 Pure shellac varying from pale orange to lemon yellow colour, free from resin or dirt shall be dissolved in methylated spirit. Suitable pigment shall be added to get the required shade.

5.2 The surface shall be cleaned. All unevenness shall be rubbed down smooth with sand paper well dusted. Knots of visible shall be covered with a preparation of red lead and glue size laid on while hot. Holes and indentations on the surface shall be stopped with glazier's putty. The surface shall then be given coat of wood filler made by mixing whiting in methylated spirit at the rate of 1:5 kg of whiting per liter of spirit. The surface shall again be rubbed down perfectly smooth with glass paper and wiped clean.

5.3 The number of coats of polish to be applied shall be as described in the item a pad of woolen cloth covered by a fine cloth shall be used to apply the polish. The pad shall be moistened with the polish and rubbed hard on the wood, in a series of overlapping circles applying the mixture sparingly but uniformly over the entire area to give an level surface. A trace of linseed oil on the face of the pad facilitates this operation. The surface shall be allowed to dry and the remaining coats applied in the same way. To finish off, the pad shall be covered with a fresh piece of clean fine cloth, slightly and quickly with methylated spirit and rubbed lightly and quickly with circular motions. The finished surface shall have a uniform texture of high gloss.

5.4 Other details shall be as per the specification for painting (general) as for as they are practicable.

## **6.0 VITRIFIED FLOOR TILES**

6.1 Work included The tenderer shall furnish materials, labour. Plant, equipment and tools to complete the work as specified and or as shown in the drawing.

## 6.2 Materials

- a) **Vitrified tiles shall be flat and unglazed on the top surface. They shall be generally 600 X 600 mm in size with a thickness as approved by the Engineer. They shall conform to IS: 15622 of approved make and colour. The tenderer shall submit to the Engineer for his approval samples of tiles which he proposes to use in the work and all tiles used shall be similar to the approved samples. Water absorption's less than 0.08% of above quality of tiles.**
- b) **Ordinary or White Portland Cement:**
  - 1) **Cement: Ordinary Portland Cement shall conform to IS: 8112**
  - 2) **White Portland Cement: White Portland Cement shall conform to IS: 8042**
  - 3) **Sand: The sand used shall be of approved river or pit sand, conforming to IS: 383-1970**
  - 4) **Water: Water used shall be clean and potable quality as per clause 4.3 of IS: 456-2000**

## 6.3 Workmanship

Tiles shall be laid on 20 mm thick cement mortar 1 : 4 ( 1 Cement : 4 Coarse sand) including grouting the points with white cement and matching pigments as approved by Engineer. The fixing shall be done from bottom upwards. Each tile shall be fixed as close as possible to the one adjoining and any thickness of the tiles shall be evened out in the cushioning mortar so that all the tiles faces are set in conformity with one another. After finishing above job surface shall be cleaned and cured.

## A : CIVIL WORKS

Sl. No.	Material	I.S. Code	Brands
1	Cement	43 grade IS 8112-1989 53 grade IS 12269-1987	L&T, Rajashree, ACC, Grasim, Aditya, Gujarat Ambuja, Ultratech, Lafarge, J&K, Topcem, Dalmiya, Star
2	White Cement	IS-8042 of 1989	Birla, J.K,Grasim
3	Mild & Tor Steel	IS-1786, 432 Part-I, 1982.	TISCO, SAIL, Rashtriya Ispat,
4	Water proofing compound	IS-2645	BAL adhesives, Pidilite & Aqua Alliance, Dr. Fixit., Impermo, Fosroc, Choksey, Sika, Rouf
5	Tile adhesive cement and joint filling compound	IS-269-1989	BAL adhesives, Pidilite & Aqua Alliance, Fosroc, Choksey, Sika, Rouf
6	Glazed tiles /Vitrified tiles/ Ceramic Tiles	IS-15622	H&R Johnson, RAK, Kajaria, Nitco, Murbo, Orient, Somany
7	Paver Block	BS-6717, IS-15658	Conwood, Super tiles, Nitco, VyaraTiles, Kiran, Basant Bettons, Eurocon



9	Water proofing agency		Aqua Alliance, Nina Concrete systems, Krypton, MYK Schloemberg, Pidilite, Fosroc, Choksey
10	MS Hollow section		11 Corus, Arcelor Mittal, Shandong Lusteel, TISCO
11	MS Structural steel	12 IS-226-75	TISCO, SAIL, Rashtriya Ispat
12	Exterior grade Anti-fungus		Asian piant, ICI, Nerolac, Berger

	Paint / Zinc paint / Lustre Paint / Texture paint.		
13	Cement paint		Snowcem, Nitco, Duracem
14	Paint – plastic emulsion		Asian piant, ICI, Nerolac, Berger, J&N, Shalimar
15	Fire retardant paint		Fire tard, Shalimar, Viper
16	Antifungal paint		Asian Piant, Berger paint, ICI
17	Synthetic enamel	IS-10221	Asian Paint, Jensen & Nicholson, Berger, Nerolac, Shalimar, Dulux
18	Anticorrosive paint		Asian paint, Berger, Jensen & Nicholson, Berger
19	Oil bound distemper		Tractor, Berger
20	Plaster of Paris		ACI, Bhutan, Jindal
21	Water proof cement		Berger, Asian paints
22	Mortice Locks / Locks		Godrej, Vision, CIEF
23	Laminate		Greenlam, Durian, Formica, Century
24	Plywood	IS-3003,1989	Anchor, Kenwood, Century
25	Stainless steel handle	IS-12817	NEKI,D-LINE, KinLong
26	Floor spring / Door closer / Iron fittings	IS-6315	Garnish, Everite, Neki, Hyper, Mowjee
27	Hand rail system		Godrej, NEKI ,D-line,Dorma
28	Men & Women Cristallo Restroom partitions		Greenply, Mark, Merino
29	Rolling shutter		Swastic, Gandhi Automation
30	Glass		Modiguard, Saint Gobain, Bharat Glass
31	Welding Electrodes	IS-814-1991	Advani Oerlikon, D &H Schleron, ESAB
32	Aluminum Section	IS-1868, 733, 1285	Jindal, Hindalco, Aluminate, INDAL, ANUPAM
33	Al door fittings, tower bolts, handles, hooks & eyes.		ARK, MEPRO, URGENT
34	Polycarbonate sheet	IS-737	Lexan

35	Pre-coated roof sheet		Dyna Roof , Tata
36	False ceiling		Armstrong, Gypsum board, E- board– Classic
37	Concrete tiles		GEMS/ Sunrock hi CTS
38	Timber for Door / Window & Shutters	1003 Part-I 1991, 1993	Approved Seasoned Wood
39	Flush Door	2202, Part-II-1983	Sitapur, Century, Duro
40	Gypsum Plastic Board	2095-1976	Gypsum, India Gypsum
41	Marble (Blocks Slabs and Tiles)	1130-1969	Makaran (White)
42	Particle Board		Anchor, Bhutan, Novateak, Kit lam
43	Sand Stone (Slab & Tiles)		Govt. Approved Quarry
44	Granite Slab		Jet Black, Ruby red
45	Hardwood parquet Floors and Wood Block	5138-1969	Approved Seasoned Work.
46	Water-Acidity , Alkalinity & Solids	IS-3025-1984, IS-2202, Part-II-1983	Sitapur, Century, Duro
47	Aluminium Composite Panel	IS-1868, 733 &I, S-1285	Amstrong, Eva Bond, Alupan
48	Electric Traction Lifts	14655	Cone, Otis
49	Fire Door	BS-476 Part-20,22 &IS-3614 Part-II-1992	SAIL, IISCO, TATA
50	Steel for Doors, Windows Frames, Grills, Steel Gates,	I.S.1977	SAIL, IISO, TATA
51	Stainless Steel Pipes	ASC-312	Jindal, IISCO, SAIL, TATA
52	Roof Treatment materials		Choksey Chemicals
53	Rebaring		Fischer Fixing (FISV 360), HILTI
54	Sand	IS-1542-1977 & IS-2116-1980	Govt. Approved Quarry
55	Stone Aggregate	IS 383 & IS 515	Govt. Approved Quarry

SNo	Component	Preferred Make
1	Vitreous China Sanitaryware	QUEO/HINDWARE
2.	Stainless steel sinks	QUEO/HINDWARE
3.	CP Fittings	QUEO/HINDWARE
4.	CP Accessories, waste fittings	QUEO/HINDWARE
5.	Soil waste & RW pipes & fittings	
	a) Sand Cast	RIF
	b) PVC Pipe	SUPREME / PRINCE

6.	GI Pipes/MS Pipes	TATA / Jindal Hissar
7.	GI Fittings	RM Engineering works / KS Engineering Works / Jindal / Tata
8.	Ball valves (Bronze)	Zoloto / RC
9.	Gunmetal valve & cocks	Leader / Zoloto / Sant
10.	CI S/S Pipes	Kesoram / Electro steel
11.	CI Double flanged Sluice valve/non-return valve	Kirloskar / IVC
12.	Butterfly valve	AUDCO / C & R / IVC
13.	Clear water pumps	Crompton / Kirloskar
14.	Motor	Crompton Greaves / Kirloskar / Siemens
15.	Sump Pumps	Darling / Salmson / Grundfos
16.	RCC pipe	India Hume Pipe
17.	Manhole cover	RIF
18.	PVC moulded tank	Syntex
19.	Tower rail	QUEO/HINDWARE
20.	Liquid soap dispenser	QUEO/HINDWARE

### **REFERENCE LIST OF APPROVED MAKE**

This list is for reference. Samples of all materials to be used must be submitted and got approved from the Engineer in charge before procurement and use.

#### **CIVIL WORK:**

SL NO.	MATERIAL	BRAND NAME
1	Cement	ACC, Ultratech. Lafarge ,Ambuja etc
2	TMT Bars	Tiscon, Elegant & SRMB etc
3	Flush Doors	GREENPLY, CENTURY, MARS, MAYUR etc
4	Plywood (BWR)	Greenply, Mayur, Century , Sylvan, Mars, Archirdply etc
5	Veneer	True wood, Archid, Green decowood, Century, Mayur etc
6	Laminate	Formica, Sumnica, Century , Green lam, Silicon, Merino etc
7	Locks	Godrej , Hettich, Hafelle etc
8	Aluminum Sections	INDAL, Hindalco etc
9	Floor spring	Hardwyn, Ozone, Garnish, Godrej etc
10	White Cement	Birla White, JK etc
11	Glass, Mirror	Pilkington, Saint Gobain, Modi etc
12	Acrylic Emulsion Paint	ICI , Asian paint , Berger, Nerolac etc
13	Vertical Blind	Vista levelor, Mac, Aeroflux, Luxaflex etc
14	Cement primer	Berger, ICI etc
15	Enamel Paint	ICI, Berger, Asian paint etc
16	Ceramic Tiles	Nitco, Somany, Kajaria, Orient etc
17	Waterproofing Compound	Sika, Laticrete etc

### **REFERENCE LIST OF APPROVED MAKE**

This List is for reference Samples of all materials to be used must be submitted and got approved from the Engineer in charge before procurement and use.

#### **WATER SUPPLY / SANITARY ITEMS:-**

SL NO.	MATERIAL	BRAND NAME
1	Vitreous China Sanitary ware	Hindware, Parryware etc
2	C.P Fittings	Jaquar, Marc etc
3	Sand Cast iron Soil,Waste Water pipes and fittings	Srif; Rif;BC etc
4	G.I. Pipes	Tata, Jindal etc
5	Brass Stop Cock and Bib Cock	CP Fittings etc
6	P.V.C Pipe	Supreme, Oriplast etc
7		

### **REFERENCE LIST OF APPROVED MAKE**

This list is for reference only. Samples of all materials to be used must be submitted and got approved from the Engineer in charge before procurement and use.

#### **ELECTRICAL ITEMS:**

SL No.	MATERIAL	BRAND NAME
1	MS. Conduit ERW(ISI)	AKG,BEC,ICI etc
2	Wires	Finolex, Havels, Polycab, Mescab etc
3	Switches Sockets	Anchor Roma, Crabtree, MK etc
4	H.T cables	Nicco, Havels, Finolex, Mescab etc
5	Light Fittings	Philips, etc
6	Distribution Boards	Havels, MDS, MK etc
7	Lamps	Philips, etc
8	Ceiling Fan	Polar, Usha, Khaitan etc
9	MCB , MCCB	Havels, Legrand, MK,etc

## **ELECTRICAL PART(Part:2)**

### **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 16 mm<sup>2</sup> XLPE insulated PVC sheathed armoured Cu 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.

#### **Laying on wall or structure:**

Where cable shall be laid on wall or structure, the cable shall be laid recessed in wall. The cable shall run as straight as possible. There shall be GI pipe protection of 1 meter from each floor level during vertical run, if necessary. When the cable shall pass through wall/floor etc necessary pipe protection shall have to be given. Where there is existing pipe between the floors is in a good condition, the same may be utilized. Where there is existing cable tray, the same may be used for laying of cable with suitable clamping arrangement and strengthening of existing tray, if necessary. Neatness must be maintained.

#### **Cable Termination**

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 PPI Distribution Board:**

Vertical double door TPN PPI 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 inside the Guest House premises 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) 20/24 W decorative LED recess mounted cool white tube light fittings with extra high efficiency having minimum 1250 lumen and unique reactive passive driver of leading power factor is to be supplied from approved make.
- (b) 10/12W LED Down Light fittings as per BOQ.

**Installation**

The above LED tube light fittings and with all other accessories shall be installed on the wall/false 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.

Axial flow type exhaust fans of size 300mm sweep heavy duty complete with blade & shutter which should be dust and water proof, capable of giving good ventilation effect with low noise having copper coil wounded armature of approved make are to be provided.

Cabin Fans of 300mm sweep, high speed, Rotating Grills of swinging type to with-stand fluctuations in voltage provided with ball bearings of approved make of appropriate colour are to be provided and the fans should give optimum performance.

**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.

The exhaust fan shall be fixed on frame on wall after cutting the wall and making hole, by fixing the frame of exhaust fan on this hole with the help of suitable screws/nuts & bolts including electrical connection and finishing the surface of the holes.

Cabin fans are to be installed on the wall by S&F rag, bolts, nuts washers etc and flexible copper wire as required.

**Call-bell.**

230V, AC/DC Call-bell (Approved make) on modular switch board including S&F of modular switch board with bell push shall be provided.

**Installation**

The call bell shall be installed at the suitable location and push switch shall be installed at the room as directed.

**AC Starter for Air-conditioner Machine**

AC Starter suitable for 2.0/3.0 T AC units : These units shall be surface mounted modular push button type AC starter suitable for 2.0 Ton/ 3.0 Ton A.C m/c , along with plug top, DP MCB and socket shall be provided . The modular plug top and socket may be installed at the suitable location near the AC unit in a modular box of required size as per site requirement. MS box of required size shall have to be supplied by the tenderer. Cost of MS box shall be included in its installation price

**Distribution Wiring, Point wiring:**

Details are given in **BOQ** items

**Coaxial TV Cable:**

Details are given in **BOQ** items.

**Electronic Key Tag Card:**

Electronic Key Tag Card should be Compact, Sleek & Elegant in design with Captive screws, Dust proof smooth surface and glossy finish. It should have Shrouded terminals which gives IP 20 protection. This should be installed in every room as directed by EIC.

**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 65 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.

**Dismantling & shifting of old materials:**

On completion of 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. The items to be removed include all wiring, fittings, switch-fuse units & accessories etc. Contractor should also clean the site as required during execution and fully clear the site after completion of all the works. Any holes/drillings/openings/damages made on the wall/roof for drawing of cables/installation of equipments shall be made good by the tenderer at his own cost.

All useable spares viz. lamps, holders, fan, wiring & DBs are to be returned to the office of the EE, Kolkata Jetty. Other defective / unusable spares including unserviceable fittings, switches etc. are to be transported to handed over to KoPT official.

Hi wall Inverter type (split/ Cassette)AC machines are to be supplied and installed as per BOQ.

**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.

**Conventional LPG Detector:**

Gas Detector shall be of suitable to detect liquefied petroleum gas. The detector adopts semiconductor gas sensitive components enabling stable operation and simple installation.

**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/ Bajaj/ Crompton/ Wipro/ /Eveready / any other reputed make
PVC Copper wire of FRLS type for internal wiring	Finolex/Havells/National /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/Crystal/Nicco
Ceiling Fan ,Exhaust Fan, Cabin /Wall Fan Starter for A.C. machine	Havells/Usha/Orient/Crompton Greaves/ Bajaj
	Havells/North West/Anchor/ Crabtree/ / any other reputed make
Air-Conditioners	Hitachi/Daikin/Mitsubishi/O-general
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
LPG Gas Leak Detector	DSC / Honeywell / GST
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
Geyser	Venus / Bajaj / Crompton / Havells

- **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 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. Nondestructive 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.

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:

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(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 – IV****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).
  - ii) The Firm has to submit copy of Valid Electrical Contractor License or the Firm has to submit the copy of **electrical supervisory License of the person who will carry out the electrical job.**
- iii) Valid Professional Tax Clearance Certificate / Up to date tax payment challan.
- 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. 2014–2015, 2015-2016 and 2016-2017). 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.**

- 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****e-Tender No. KoPT/Kolkata Dock System/CE/102/18-19/ET/241****[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 –V**

कोलकाता पत्तन न्यास  
**Kolkata Port Trust**  
सिविल इंजीनियरिंग विभाग  
CIVIL ENGINEERING DEPARTMENT  
 15, स्ट्रैंड रोड, कोलकाता -700001  
 15, Strand Road, Kolkata - 700001

NIT No.: KOPT/KDS/CIV /T/2289/40

Dt. 26.07.2018

NOTE: Last Date of Download of tenderdocuments : 27.08.18 (up to 14.00 hours)Tender is due for submission by 3:00 P.M. On 28.08.18**PRICE BID(PART-II)**

\*\*\*\*\*

Thorough renovation including interior decoration,plumbing & sanitary works, landscaping works,  
 electrification,air-conditioning & fire alarm & detection system at Kolkata  
 Port Trust Guest House at Chowringhee,Kolkata,West Bengal.

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Annexure-V(Contd.)

**E-TENDER FOR "Thorough renovation including interior decoration,plumbing & sanitary works, landscaping works, electrification,air-conditioning & fire alarm & detection system at Kolkata Port Trust Guest House at Chowringhee,Kolkata,West Bengal. "**

**E -TENDER NO : KoPT/Kolkata Dock System/CE/102/18-19/ET/241**

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

<b>ESTIMATED COST</b>	<b>:</b>	<b>Rs.2,55,20,153.50 (Rupees Two crore fifty five lakh twenty thousand one hundred fifty three and paise fifty only)</b>
<b>EARNEST MONEY</b>	<b>:</b>	<b>Rs.5,10,410/- (Rupees Five lakh ten thousand four hundred ten only)</b>
<b>TIME OF COMPLETION</b>	<b>:</b>	<b>8(Eight) Months</b>
<b>COST OF TENDER DOCUMENTS</b>		<b>Rs.2950/- (Rupees Two thousand nine hundred fifty only) including GST @ 18%)</b>
<b>PERIOD OF DOWNLOAD OF E-TENDER (Both Days Inclusive)</b>		<b>07.08.2018 to 27.08.2018 (UPTO 14:00 HRS.)</b> (Bid document will be available on MSTC, Website). Bidders will have to participate in bidding process through website <a href="http://www.mstcecommerce.com">www.mstcecommerce.com</a> only.
<b>DATE AND TIME FOR PRE-BID MEETING &amp; SITE VISIT</b>	<b>:</b>	<b>11-30 AM on 13.08.18</b> <b>Program of site visit to be finalized in consultation with Superintending Engineer (Kolkata).</b>
<b>LAST DATE OF SUBMISSION OF E-TENDER AND OPENING OF COVER-I OF THE TENDER</b>	<b>:</b>	<b>28.08.2018</b> <b>Submission Up to 15:00 hrs.</b> <b>Opening After 15:30 hrs.</b>

**कोलकाता पत्तन न्यास**  
**Kolkata Port Trust**  
**सिविल इंजीनियरिंग विभाग**  
**CIVIL ENGINEERING DEPARTMENT**  
**PREAMBLE TO THE BILL OF QUANTITIES**

**E-TENDER FOR “Thorough renovation including interior decoration,plumbing & sanitary works, landscaping works, electrification,air-conditioning & fire alarm & detection system at Kolkata Port Trust Guest House at Chowringhee,Kolkata,West Bengal.”**

**E -TENDER NO : KoPT/Kolkata Dock System/CE/102/18-19/ET/241**

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 in force 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 a **percentage rate tender**, the Bidder shall quote his rates as percentage above / below / at par with the estimated amount put to 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.

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**कोलकाता पत्तन न्यास**  
**Kolkata Port Trust**  
**सिविल इंजीनियरिंग विभाग**  
**CIVIL ENGINEERING DEPARTMENT**  
**BILL OF QUANTITIES**

**Name of Work:** Thorough renovation including interior decoration, plumbing & sanitary works, landscaping works, electrification, air-conditioning & fire alarm & detection system at Kolkata Port Trust Guest House at Chowringhee, Kolkata, West Bengal

**Abstract of Estimate**

**Part 1A: Civil Works Main Building**

SL.NO.	DESCRIPTION	UNIT	TOTAL QTY	UNIT PRICE	TOTAL PRICE
				(in Rs.)	
<b>1</b>	<b>CEMENT PLASTER (IN COARSE SAND)</b>				
	<b>FOR INTERNAL PLASTER</b>				
<b>A</b>	15mm cement plaster on rough side of single or half brick wall of mix				
	1:4 (1 cement: 4 coarse sand)				
<b>i)</b>	GROUND FLOOR	Sq.M.	800.00		
<b>ii)</b>	FIRST FLOOR	Sq.M.	800.00		
<b>iii)</b>	SECOND FLOOR	Sq.M.	600.00		
<b>B</b>	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)				
<b>i)</b>	GROUND FLOOR	Sq.M.	235.00		
<b>ii)</b>	FIRST FLOOR	Sq.M.	230.00		
<b>iii)</b>	SECOND FLOOR	Sq.M.	230.00		
<b>2</b>	<b>FLOORING</b>				
	<b>VITRIFIED FLOOR TILES</b>				



<b>A</b>	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS:15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 ( 1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete.				
	Size of Tile 600x600 mm				
<b>i)</b>	GROUND FLOOR	Sq.M.	200		
<b>ii)</b>	FIRST FLOOR	Sq.M.	200		
<b>iii)</b>	SECOND FLOOR	Sq.M.	200		
<b>B</b>	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less han 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete.				
	Size of Tile 600x600 mm				
<b>i)</b>	GROUND FLOOR	Sq.M.	20		
<b>ii)</b>	FIRST FLOOR	Sq.M.	22		
<b>iii)</b>	SECOND FLOOR	Sq.M.	22		
	<b>CERAMIC WALL TILES</b>				
<b>C</b>	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados over 12mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.				
<b>i)</b>	GROUND FLOOR	Sq.M.	60		

ii)	FIRST FLOOR	Sq.M.	60		
iii)	SECOND FLOOR	Sq.M.	100		
<b>3</b>	<b>ALUMINIUM WORK</b>				
	<b>FRAMELESS GLASS DOOR</b>				
i)	Providing and fixing 12mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc. to be paid separately).				
	GROUND FLOOR	Sq.M.	18		
	<b>TUBULAR HANDLE BAR</b>				
ii)	Providing and fixing aluminium round shape handle of outer dia 100 mm with SS screws etc. complete as per direction of Engineer-in-charge				
	Polyester powder coated minimum thickness 50 micron aluminium tubular handle bar	each	4		
	<b>FLOOR SPRING</b>				
iii)	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS:6315, having brand logo embossed on the body/plate with double spring mechanism and door weight upto 125kg., for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.				
	With brass cover plate minimum 1.25 mm thickness.	each	4		
	<b>DOOR LOCKS</b>				
iv)	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	each	2		

<b>4</b>	<b>WOOD AND PVC WORK</b>				
<b>A)</b>	For Doors				
	<b>DOOR FRAMES</b>				
<b>i)</b>	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with holdfast lugs or with dash fasteners of required dia & length (holdfast lugs or dash fastener shall be paid for separately).				
	Second class teak wood	Cu.M.	1.50		
	<b>DOOR SHUTTER</b>				
<b>ii)</b>	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws excluding, panelling which will be paid for separately, all complete as per direction of Engineer-in-charge				
	Second class teak wood				
	35 mm thick shutters	Sq.M.	70.00		
	<b>BUTT HINGES</b>				
<b>iii)</b>	Providing and fixing ISI marked, IS:1341, M.S. heavy weight butt hinges with necessary screws etc. complete				
	125x90x4.00 mm	each	150.00		
	<b>TOWER BOLTS</b>				
<b>iv)</b>	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc.complete :				
	250x10 mm	each	45		
	<b>SLIDING DOOR BOLTS</b>				
<b>v)</b>	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete				
	300x10 mm	each	45		
	<b>MORTICE LATCH AND LOCK</b>				

vi)	Providing and fixing chromium plated brass 100mm mortice latch and lock with 6 levers and a pair of lever handles with necessary screws etc. complete (bestmake of approved quality).	each	25		
	<b>NIGHT LATCH</b>				
vii)	Providing and fixing chromium plated brass night latch including necessary screws etc. complete (Bestmake of approved quality).	each	25		
	<b>WOODEN BEADING</b>				
viii)	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete				
	50 x 20 mm	Metre	300.00		
	<b>SAFETY CHAIN</b>				
ix)	Providing and fixing oxidised M.S. Safety chain with necessary fixtures for doors. (Weighting not less than 450 gms.)	each	25		
<b>B)</b>	<b>For Windows</b>				
i)	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections / appropriate Z sections and other sections of approved make conforming to IS:733 and IS:1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber / neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge.(Glazing,paneling and dash fasteners to be paid for separately)				
	For fixed portion				
	Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	Kg.	155.00		

<b>ii)</b>	For shutters of doors, windows & ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately).				
	Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	Kg.	90.00		
<b>iii)</b>	Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6mm thick clear float glass both side, having 12mm air gap, including providing EPDM gasket, perforated aluminium spacers, desiccants, sealant (Both primary and secondary sealant) etc. as per specifications, drawings and direction of Engineer-in-charge complete.	Sq.M.	60.00		
<b>iv)</b>	Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-charge complete.				
	255 X 19 mm	each	100		
<b>5</b>	Providing and fixing 18mm thick, 150mm wide pelmet of coir veneer board ISI marked IS:14842, including top cover of 6mm coir veneer board, nickle plated M.S. Pipe 20mm dia. (heavy type) curtain rod with nickel plated brackets, including fixing with 25x3mm M.S. Flat 10cm long fixed to pelmet with hollock wood cleats of size 100mm x 40mm x 40mm on both inner side of pelmet and rawl plugs 75mm long etc. all complete	Metre	140.00		
<b>6</b>	Extra for using veneered particle board conforming to IS 3097 Grade I, in item of pelmet 18mm thick 150mm wide				

	Particle board with decorative veneering on both sides.	Metre	115.00		
7	Providing and fixing curtain rods of 1.25mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete				
	20 mm dia.	Metre	70.00		
8	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete				
	50 x 20 mm	Metre	600.00		
9	<b>Miscellaneous Items</b>				
	Providing and fixing expandable fasteners of specified size with necessary plastic sleeves and galvanised M.S. screws including drilling holes in masonry work/CC/R.C.C. and making good etc.complete.				
i)	25 mm long	each	200		
ii)	32 mm long	each	200		
iii)	40 mm long	each	200		
iv)	50 mm long	each	200		
v)	Providing 50x50x50mm 2nd class teakwood plugs including cutting brickwork and fixing in cement mortar 1:3 (1cement : 3 fine sand) and making good the walls etc.	each	400		
10	<b>FALSE CEILING</b>				
	Providing and fixing false ceiling at all height including providing and fixing of framework made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm ( both side inclusive ) as per IS:277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50 mm long with 6 mm dia bolts other flange of cleat fixed to the angle hangers of 25 x 10 x 0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I.				

	channels 45 x 15 x 0.9 mm running at the rate of 1200 mm centre to centre to which the ceiling section 0.5 mm thick bottom wedge of 80mm with tapered flanges of 26mm each having lips of 10.5mm, at 450mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl. The execution work includes stepping of false ceiling in two or three tiers as given in the drawings. <b>(All executions are to be done as per plans and sections provided by the consultant)</b>				
	12.5mm thick tapered edge gypsum moisture resistant board.				
i)	GROUND FLOOR	Sq.M.	300.00		
ii)	FIRST FLOOR	Sq.M.	300.00		
iii)	SECOND FLOOR	Sq.M.	300.00		
<b>11</b>	<b>MARBLE AND GRANITE WORK</b>				
	<b>(FOR WASHBASIN COUNTERS)</b>				
	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.				
	Granite of any colour and shade				
<b>A)</b>	Area of slab over 0.50 sqm	Sq.M.	20.00		
<b>B)</b>	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	Metre	15.00		

<b>C)</b>	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	each	12.00		
<b>12</b>	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	Sqm	880.00		
<b>13</b>	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm.	Sqm	1100.00		
<b>14</b>	Applying 2 coats of bonding agent with synthetic multifunctional rubber emulsion having adhesive and water proofing properties by mixing with water in proportion (1 bonding agent : 4 water : 6 cement) as per Manufacturer's specification.	Sq.M.	3500.00		
<b>15</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. 2 coats. Solvent based interior grade Acrylic Primer.	%Sq. M.	3050.00		
<b>16</b>	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). 2 coats. Luxury Quality.	Sq.M.	3050.00		



<b>17</b>	Supplying, fitting and fixing Marble Slab/tile of 15 to 18 mm thickness in floor, lobby, stair, landing & treads etc. over 20 mm (av.) thick base of Cement mortar (1:2) laid with white cement slurry @ 4.4 kg/Sq.m before placing marble & jointed with white cement slurry @ 2.0 kg/Sq.m with necessary pigments including grinding and Granite polishing as per direction of Engineering -in -Charge in Ground Floor. { White cement and Pigment to be supplied by the Agency}.				
	With Makrana plain pink / Adranga Pink / Garbh Gulabi / Udaypur pink / Udaypur Green / Black Bhaslana				
	Area of each Slab/tile upto 0.3 sq.m.	Sq.M.	50.00		
<b>18</b>	Dismantling carefully wooden walling, flooring of ceiling and stacking dismantled materials as directed.	Sqm	250.00		
<b>19</b>	Stripping off worn out plaster and raking out joints of walls, ceilings etc. upto any height and in any floor including removing rubbish within a lead of 75m as directed.	Sqm	3500.00		
<b>20</b>	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m.In firstfloor.	cum	3.00		
<b>21</b>	Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75m. upto 150 mm. thick	cum	2.50		
<b>22</b>	Cutting chase upto 125 x 150 mm. and subsequent mending of damages. In brick wall [Cement-3.6 Kg/Mtr]	Mtr	30.00		
<b>23</b>	Labour for taking out door and window frame including shutter for repair or replacement of different parts of the frame. (Concrete and brick work for mending damage will be paid separately)				
	Upto area 2.5 Sq.m	Sqm	150.00		
	Above area 2.5 Sq.m	Sqm	85.00		
<b>24</b>	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.	Sqm	20.00		

25	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (6mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes. Pakur Variety.	Cum	22.00		
26	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. As per 6th Corregenda & addenda dated 06-02-2017	MT	0.20		
27	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor). (When the height of a particular floor is more than 4 m the equivalent floor height shall be taken as 4 m. 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	Sqm	15.00		

28	<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 &amp; 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- 1956 &amp; 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.</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 make 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 structal members weighing less than 22.5 Kg. / m. may be increased</p> <p>allow for bracket, cleat, rivet, bolts and nuts etc. and no seperate 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 structural members of specified sections weighing less than 22.5 Kg./m</p>	MT	0.20		
29	<p>Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or hamfering 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]</p>				

	On walls 10 mm thick plaster 1:4 Cement Plaster	Sqm	700.00		
30	Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured(matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. 2 coats.	Sqm	1100.00		
31	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of EIC 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. 2 coats. Super Protective 100% Acrylic Emulsion.	Sqm	1100.00		
32	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	Sqm	170.00		
33	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 steel or other metal surface : With super gloss (hi-gloss) Two coats (with any shade except white)	Sqm	170.00		
34	Taking out old damaged tarfelt from the roof, parapet etc. preparing the roof surfaces by removing all spoils, blisters, moss etc. from the working site and disposal of the same beyond the compound and cleaning the site in all respect as per direction of Engineer-in-Charge.	Sqm	300.00		
35	Supplying and laying approved brand of black finished Atactic Polypropylene Polymer (APP) modified prefabricated water proofing membrane with thermal fusible properties on both sides having minimum thickness of 3.0 mm and unit weight 3.8 Kg/Sqm reinforced with non woven spun bonded polyester reinforcement @ 160 gm/Sqm. The layer of the membrane shall be laid using Butane Torch and sealing all joints properly, leaving no bare edge of end of APP membrane and finishing the surface with trowel or otherwise to obtain a uniform surface. The minimum side lap and end lap shall be kept at 80	Sqm	300.00		

	mm and 120 mm respectively. The membrane shall be laid over a coat of primer @ 0.4 Litre/Sqm made by the same membrane manufacturer of density @ 25 <sup>0</sup> 0.87 - 0.89 Kg/Litre and viscosity 70 - 160 cps and left to dry for 24 hours after necessary surface preparatory works such as cleaning the surface thoroughly, shaping mouths of outlets including cutting grooves (50 x 50 mm) in parapet and inserting edge of membrane and mending good damages by sand cement mortar (4:1) and shall be finished in all respect as per direction of EIC. The vital physical and chemical parameters of the mebrane shall be as under joint strength in the longitudinal and transverse direction at 23 <sup>0</sup> as 650/450N/5 cm. Tear strength in longitudinal and transverse direction as 300/250N. Softening point of membrane not less than 150 <sup>0</sup> C, cold flexibility shall be upto -2 <sup>0</sup> C when tested in accordance with ASTM, D-5147. The rate is inclusive of all costs including labour, materials, transportation. ful, tools, tackles, taxes, levies, Octroi, VAT, Labour Welfare Cess etc and cleaning the site after completon of the work. (Payment will be made on the finished item of the work)				
<b>36</b>	Removal of rubbish,earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal / Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge	Cum	80.00		
<b>37</b>	<b>FLOORING (FOR BATHROOM)</b>				
	<b>MATT FINISHED CERAMIC TILES</b>				
	Providing and laying Matt Finished Ceramic floor tiles 300x300mm or more (thickness to be specified by the manufacturer) of 1st quality laid on 20mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand ) including grouting the joints with white cement and matching pigments etc., complete.				
<b>i)</b>	GROUND FLOOR	Sq.M.	16.00		
<b>ii)</b>	FIRST FLOOR	Sq.M.	15.00		
<b>iii)</b>	SECOND FLOOR	Sq.M.	24.00		

<b>38</b>	<b>FALSE CEILING</b>				
	<b>WOODEN FALSE CEILING</b>				
	<p>Providing &amp; fixing in position wooden false ceiling with one side Decorative plywood having natural veneer (thickness 4 mm ) of select wood on ceiling consisting of frame work with 50 mm x 25 mm size seasoned Sal wood @ 600 mm c/c (approximately) both ways jointed rigidly with nails, screws etc. with wooden plugs fixed with cement mortar ( 1:3) and providing and fixing 6 mm thick BWR plywood on top of the frame work and 4 mm thick one side decorative plywood veneers of approved shade ( whiteBeech/ Sycomore/Anegre / Wenge / Sapele/ Mahogany/ AF. Wall Nutt. ) to be pasted over the plywood with adhesive (Fevicol or approved equivalent) in approved pattern. Finally the false ceiling will be finished with 50mm x 25 mm polished Teak Wood / Steam Beech battens fixed over false ceiling @ 75 mm C/C or in approved pattern. Finally the ceiling will be finished with polishing on wooden veneer with melamine polish of approved make, polishing the wooden battens with stained spirit polish etc. complete with all labour &amp; materials. The rate to also include the cost of applying preservative treatment of Timber for rot &amp; termite proofing, cost of painting of hidden surfaces of timber with one coat of fire retardant paint over a coat of wood primer.</p>	Sqm	60		
<b>39</b>	<b>MIRROR FOR DRESSING</b>				

	MIRROR WITH WOODEN MOULDING Providing and fixing 5.5 MM THICK FLOAT GLASS MIRROR (Modiguard / Saint Gobain / Pilkington) of approved quality complete with 12 mm thick BWR plywood backing of approved make finished at the edges with 35 mm x 20 mm polished teak wood moulding fixed to wooden cleats with C.P. brass screws and washers complete with all enabling works all as per drawing and direction of the Engineer in charge.	Sq.M.	50.00		
<b>40</b>	<b>JAMB LINING</b>				
	Providing and fixing wooden jamb lining to the windows and doors using SAL wood frame out of 50 x 25 mm covered with 12 mm thick BWR plywood and 4 mm thick wooden veneer complete with 50 x 18 mm Teak wood moulding at periphery of window duly melamine polish etc. complete. upto 500 mm width				
	Uptoo 500 mm width	Metre	600.00		
<b>41</b>	<b>PAINTING</b>				
	Providing two coats of Birla White Wall Care Putty (Water Resistant White Cement based putty for concrete/ mortar walls and ceiling both internal and external) after removing all loosely adhering material from the wall surface with the help of emery stone, putty blade or wire brush and moistening the wall with sufficient quantity of clean water as specified and directed by the department. (Total thickness of two coats is maximum 1.5mm) Thickness = 1.5 mm thick				
<b>i)</b>	On Interior Walls	Sq.M.	2200.00		
<b>ii)</b>	On Exterior Walls	Sq.M.	1100.00		
<b>42</b>	Finishing wall with Acrylic Copolymers based DECORATIVE TEXTURE WALLFINISH spray coat or roller coat in approved single /Double shades on new wall surfaces to give an even shade an including the cost of scaffolding etc. complete as per drawings and direction of the engineer in charge .	Sq.M.	2200.00		

43	<p>Painting two coats (excluding priming coat) on new wood and wood based surface with enamel paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J &amp; N paint/ Nerolac) to give an even shade including cleaning the surfaces of all dirt, dust and other foreign matter sand papering and stopping.</p> <p>High gloss (Asian paint/ Berger paint/ ICI paint/ J &amp; N paint/ Nerolac).</p>	Sq.M.	200.00		
44	<p>Polishing with french sprit polishing on new wood and wood based surfaces to give an even surface including cleaning the surface of all dirt, dust sand papered smooth and including a coat of wood filter</p>	Sq.M.	200.00		
45	<p>Applying priming coat over new wood and wood based surfaces over 100mm in girth/width after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter , sand papering and knotting.</p> <p>(a). With ready mixed paint , Wood primer (pink)</p>	Sq.M.	200.00		
46	<b>WOOD WORK FOR SPECIALISED GLAZED DOOR SHUTERS</b>				



	Glazed shutters of doors with float glass of 5.5 / 6 mm thick fitted with teak wood bead of required size and nails. The styles and top rail shall be 150 mm x 50 mm and bottom rail shall be 200 mm x 50 mm made of 1st class teak wood including fitting and fixing shutters in position including the cost of hinges and other approved hardware fittings such as SS handle of size 600 mm , SS tower bolt of size 250 x 12 mm but excluding cost of lock complete as per design and direction of the Engineer- in -charge.	Sq.M.	40.00		
<b>47</b>	<b>FRAMELESS GLASS PARTITION</b>				
	Providing as fixing in position FRAMELESS GLASS PARTITION with 12 mm thick clear toughened glass fixed to floor and soffit of ceiling / false ceiling rigidly and at the centres wherever required in line and level with SS patch fittings with all enabling works complete as per drawing and direction of the engineer in charge	Sq.M.	10.00		

<b>48</b>	<b>WALL PANELLING WITH DECORATIVE PLYWOOD</b>				
	<p>Providing &amp; fixing panelling with one side Decorative plywood having natural veneer of select wood on walls including corners of windows columns , column cladding etc. consisting of frame work with 50 mm x 25 mm size seasoned Sal wood @ 600 mm c/c ( approximately) bothways ( i.e horizontally and vertically) jointed rigidly with nails, screws etc. with wooden plugs fixed with cement mortar ( 1:3) and providing and fixing 6 mm thick BWR plywood (Greenply / Centuryply make) on top of the frame work and 4 mm thick one side decorative plywood vineers (Red oak/walnut/cherry/beechn/white oak/white ash/swedish/cidar/maple or other approved shade and texture of Greenply/ Centuryply make) of approved shade &amp; texture to be pasted over the plywood with adhesive (Fevicol) without nailing in approved pattern. Finally the paneling will be finished with 25 mm x 100 mm teakwood skirting .The rate to also include cost of applying preservation treatment of timber for rot &amp; termite proofing with wood preservative oil of Berger make fire proofing, finishing the exposed surface of timber with stained spirit polish to the desired colour and melamine finish of (Wood keeper of Berger make) melamine finish on decorative plywood, provision of extra frame work as necessary for skirting and making cutouts for electrical switch board, conduits etc. all as per drawing and direction of the Engineer in charge .</p>	Sq.M.	60.00		
<b>49</b>	<b>ANTI SKID TILES</b>				
	<p>Providing Antiskid Tiles of approved quality size, shape not less than 8mm on floor, skirting over a cement mortar bed 15mm thick of 1:3 (1 cement: 3 coarse sand) approved make fix with white cement complete at all level as specified .</p>				
<b>i)</b>	<b>GROND FLOOR</b>	Sq.M.	20.00		

<b>ii)</b>	<b>FIRST FLOOR</b>	Sq.M.	20.00		
<b>iii)</b>	<b>SECOND FLOOR</b>	Sq.M.	20.00		
	<b>TOTAL</b>	Sq.M.	60.00		
<b>50</b>	<b>ACCESSORIES FOR DOORS/WINDOWS</b>				
<b>A)</b>	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, 125mm Length	each	20		
<b>B)</b>	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete. 200 x 10 mm	each	10		
<b>C)</b>	Brass hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting. 250mm Long.	each	10		
<b>D)</b>	<b>BRASS DOOR STOPPER</b>	each	10		
<b>E)</b>	Renewing 125mm long wooden buffer block. With Sal: Malayasian	each	10		
<b>F)</b>	Supplying , fitting and fixing hinge cleat in position excluding the cost hinge and other fiffitngs. with 50mm iron Butt-hinge. Sal : Malayasian	each	10		

<b>G)</b>	Supplying anodised aluminium catch hook with eye fitted and fixed to shutter and chowkat complete of best quality: 150mm long.	each	10		
	<b>Total Part 1A=</b>				

<b>PART 1B: Civil Work Annex Building</b>					
<b>SL.NO.</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>TOTAL QTY</b>	<b>UNIT PRICE</b>	<b>TOTAL PRICE</b>
				<b>(in Rs.)</b>	
<b>1</b>	<b>CEMENT PLASTER (IN COARSE SAND)</b>				
	<b>FOR INTERNAL PLASTER</b>				
<b>A</b>	15mm cement plaster on rough side of single or half brick wall of mix				
	1:4 (1 cement: 4 coarse sand)				
<b>i)</b>	GROUND FLOOR	Sq.M.	208.00		
<b>ii)</b>	FIRST FLOOR	Sq.M.	212.00		
<b>B</b>	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)				
<b>i)</b>	GROUND FLOOR	Sq.M.	87.00		
<b>ii)</b>	FIRST FLOOR	Sq.M.	89.00		
<b>2</b>	<b>FLOORING</b>				
<b>A)</b>	<b>VITRIFIED FLOOR TILES</b>				
	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS:15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 ( 1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete.				
	Size of Tile 600x600 mm				
<b>i)</b>	GROUND FLOOR	Sq.M.	75.00		
<b>ii)</b>	FIRST FLOOR	Sq.M.	72.00		

<b>B)</b>	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete.				
	Size of Tile 600x600 mm				
<b>i)</b>	<b>GROUND FLOOR</b>	Sq.M.	20.00		
<b>ii)</b>	<b>FIRST FLOOR</b>	Sq.M.	25.00		
<b>C)</b>	<b>CERAMIC WALL TILES</b>				
<b>i)</b>	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados over 12mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.				
	<b>GROUND FLOOR</b>	Sq.M.	24.00		
	<b>FIRST FLOOR</b>	Sq.M.	48.00		
<b>3</b>	<b>WOOD AND PVC WORK</b>				
<b>A)</b>	<b>For Doors</b>				
	<b>DOOR FRAMES</b>				
<b>i)</b>	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with holdfast lugs or with dash fasteners of required dia & length (holdfast lugs or dash fastener shall be paid for separately).				
	<b>DOOR SHUTTER</b>				

ii)	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws excluding, panelling which will be paid for separately, all complete as per direction of Engineer-in-charge				
	Second class teak wood				
	35 mm thick shutters	Sq.M.	40.00		
	<b>BUTT HINGES</b>				
iii)	Providing and fixing ISI marked, IS:1341, M.S. heavy weight butt hinges with necessary screws etc. complete				
	125x90x4.00 mm	each	45		
	<b>TOWER BOLTS</b>				
iv)	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc.complete :				
	250x10 mm	each	15		
	<b>SLIDING DOOR BOLTS</b>				
v)	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete				
	300x10 mm	each	15		
	<b>MORTICE LATCH AND LOCK</b>				
vi)	Providing and fixing chromium plated brass 100mm mortice latch and lock with 6 levers and a pair of lever handles with necessary screws etc. complete (bestmake of approved quality).	each	8		
	<b>NIGHT LATCH</b>				
vii)	Providing and fixing chromium plated brass night latch including necessary screws etc. complete (Bestmake of approved quality).	each	8		
	<b>WOODEN BEADING</b>				
viii)	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete				
	50 x 20 mm	Metre	150.00		
	<b>SAFETY CHAIN</b>				
ix)	Providing and fixing oxidised M.S. Safety chain with necessary fixtures for doors. (Weighting not less than 450 gms.)	each	8		

<b>B)</b>	<b>For Windows</b>				
<b>i)</b>	<p>Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections / appropriate Z sections and other sections of approved make conforming to IS:733 and IS:1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber / neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge.(Glazing,paneling and dash fasteners to be paid for separately)</p>				
	For fixed portion				
	Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	Kg.	100.00		
<b>ii)</b>	<p>For shutters of doors, windows &amp; ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately).</p>				
	Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	Kg.	70.00		
<b>iii)</b>	<p>Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6mm thick clear float glass both side, having 12mm air gap, including providing EPDM gasket, perforated aluminium spacers, desiccants, sealant (Both primary and secondary sealant) etc. as per specifications, drawings and direction of Engineer-in-charge complete.</p>	Sq.M.	30.00		

iv)	Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-charge complete.				
	255 X 19 mm	each	30		
v)	Providing and fixing 18mm thick, 150mm wide pelmet of coir veneer board ISI marked IS:14842, including top cover of 6mm coir veneer board, nickle plated M.S. Pipe 20mm dia. (heavy type) curtain rod with nickel plated brackets, including fixing with 25x3mm M.S. Flat 10cm long fixed to pelmet with hollock wood cleats of size 100mm x 40mm x 40mm on both inner side of pelmet and rawl plugs 75mm long etc. all complete	Metre	50.00		
vi)	Extra for using veneered particle board conforming to IS 3097 Grade I, in item of pelmet 18mm thick 150mm wide				
	Particle board with decorative veneering on both sides.	Metre	50.00		
vii)	Providing and fixing curtain rods of 1.25mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete				
	20 mm dia.	Metre	30.00		
viii)	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete				
	50 x 20 mm	Metre	300.00		
4	<b>Miscellaneous Items</b>				
	Providing and fixing expandable fasteners of specified size with necessary plastic sleeves and galvanised M.S. screws including drilling holes in masonry work/CC/R.C.C. and making good etc. complete.				
i)	25 mm long	each	100		
ii)	32 mm long	each	100		
iii)	40 mm long	each	100		
iv)	50 mm long	each	100		



v)	Providing 50x50x50mm 2nd class teakwood plugs including cutting brickwork and fixing in cement mortar 1:3 (1cement : 3 fine sand) and making good the walls etc.	each	250		
<b>5</b>	<b>FALSE CEILING</b>				
	<p>Providing and fixing false ceiling at all height including providing and fixing of framework made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm ( both side inclusive ) as per IS:277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50 mm long with 6 mm dia bolts other flange of cleat fixed to the angle hangers of 25 x 10 x 0.50 mm of required length with nuts &amp; bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45 x 15 x 0.9 mm running at the rate of 1200 mm centre to centre to which the ceiling section 0.5 mm thick bottom wedge of 80mm with tapered flanges of 26mm each having lips of 10.5mm, at 450mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl. The execution work includes stepping of false ceiling in two or three tiers as given in the drawings. <b>(All executions are to be done as per plans and sections provided by the counsultant)</b></p>				
	12.5mm thick tapered edge gypsum moisture resistant board.				
i)	GROUND FLOOR	Sq.M.	150.00		
ii)	FIRST FLOOR	Sq.M.	150.00		
	<b>TOTAL</b>	Sq.M.	300.00		
<b>6</b>	<b>MARBLE AND GRANITE WORK</b>				
	<b>(FOR WASHBASIN COUNTERS)</b>				

<b>A)</b>	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.				
	Granite of any colour and shade				
	Area of slab over 0.50 sqm	Sq.M.	6.00		
<b>B)</b>	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resinbased adhesive, including cleaning etc. complete.	Metre	6.00		
<b>C)</b>	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	each	6.00		
<b>7</b>	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	Sqm	230.00		
<b>8</b>	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm.	Sqm	300.00		
<b>9</b>	Applying 2 coats of bonding agent with synthetic multifunctional rubber emulsion having adhesive and water proofing properties by mixing with water in proportion (1 bonding agent : 4 water : 6 cement) as per Manufacturer's specification.	Sq.M.	200.00		

<b>10</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 throughly, complete as per manufacturer's specification and as per direction of the EIC. 2 coats. Solvent based interior grade Acrylic Primer.	%Sq.M.	600.00		
<b>11</b>	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). 2 coats. Luxury Quality.	Sq.M.	200.00		
<b>12</b>	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m.In firstfloor.	cum	1.00		
<b>13</b>	Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75m. upto 150 mm. thick	cum	0.50		
<b>14</b>	Taking out carefully G.C.I. or C.I. or asbestos sheets (including ridges etc.) from roof or wall after unscrewing bolts, nuts, screws etc.and stacking the material at site as directed.(Payment to be made on measurement of portion of roof or wall removed.)	Sqm	22.00		
<b>15</b>	Dismantling carefully wood work in posts, postplates, rafters, partition etc., sorting and stacking servicable materials at site and removing rubbish as directed.	Cum	3.00		
<b>16</b>	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.	Sqm	5.00		
<b>17</b>	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (6mm nominal size) excluding shuttering and reinforcement,if any, in gound floor as per relevant IS codes. Pakur Variety.	Cum	7.00		

<b>18</b>	Supplying , fitting & fixing Zn-Al alloy (55% Al & 45% Zn) coating of 150 grams per sq. metre (followed by colour coated on both side) steel sheet work having minimum yield strength of 550 Mpa of trapizoidal profile of approved make (excluding the supporting frame work) fitted and fixed with 55 mm & 25 mm self tapping screw, EPDM Washer 16 mm dia & 3 mm th. washer etc. complete with 150 mm end lap and one corrugation minimum side lap. (Payment to be made on area of finished work). In Roof with 0.9 mm thick sheet.	Sqm	26.00		
<b>19</b>	Brick work with 1st class bricks in cement mortar (1:6). In superstructure, ground floor	Cum	1.00		
<b>20</b>	Cutting chase upto 125 x 150 mm. and subsequent mending of damages. In brick wall [Cement-3.6 Kg/Mtr]	Mtr	60.00		
<b>21</b>	M.S. works in brackets made from flats, angles, tees etc. to sizes specially bent, twisted, forged; making holes drilled and fitted to rafter of trusses with necessary bolts, nuts, washer or screws etc.(length of straight not less than 230mm)	Qntl	3.00		

22	<p>Supplying and laying approved brand of black finished Atactic Polypropylene Polymer (APP) modified prefabricated water proofing membrane with thermal fusible properties on both sides having minimum thickness of 3.0 mm and unit weight 3.8 Kg/Sqm reinforced with non woven spun bonded polyester reinforcement @ 160 gm/Sqm. The layer of the membrane shall be laid using Butane Torch and sealing all joints properly, leaving no bare edge of end of APP membrane and finishing the surface with trowel or otherwise to obtain a uniform surface. The minimum side lap and end lap shall be kept at 80 mm and 120 mm respectively. The membrane shall be laid over a coat of primer @ 0.4 Litre/Sqm made by the same membrane manufacturer of density @ 25° 0.87 - 0.89 Kg/Litre and viscosity 70 - 160 cps and left to dry for 24 hours after necessary surface preparatory works such as cleaning the surface thoroughly, shaping mouths of outlets including cutting grooves (50 x 50 mm) in parapet and inserting edge of membrane and mending good damages by sand cement mortar (4:1) and shall be finished in all respect as per direction of EIC. The vital physical and chemical parameters of the membrane shall be as under joint strength in the longitudinal and transverse direction at 23° as 650/450N/5 cm. Tear strength in longitudinal and transverse direction as 300/250N. Softening point of membrane not less than 150°C, cold flexibility shall be upto -2°C when tested in accordance with ASTM, D-5147. The rate is inclusive of all costs including labour, materials, transportation, fuel, tools, tackles, taxes, levies, Octroi, VAT, Labour Welfare Cess etc and cleaning the site after completion of the work. (Payment will be made on the finished item of the work)</p>	Sqm	130.00		
23	<p>Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC.</p>	%Sqm	400.00		

<b>24</b>	Removal of rubbish,earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal / Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge	Cum	30.00		
<b>25</b>	<b>ANTI SKID TILES</b>				
	Providing Antiskid Tiles of approved quality size, shape not less than 8mm on floor, skirting over a cement mortar bed 15mm thick of 1:3 (1 cement: 3 coarse sand) approved make fix with white cement complete at all level as specified .				
<b>i)</b>	<b>GROND FLOOR</b>	Sq.M.	20.00		
<b>ii)</b>	<b>FIRST FLOOR</b>	Sq.M.	20.00		
	<b>TOTAL</b>	Sq.M.	40.00		
<b>26</b>	<b>ACCESSORIES FOR DOORS/WINDOWS</b>				
<b>A)</b>	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, 125mm Length	each	20		
<b>B)</b>	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete. 200 x 10 mm	each	10		
<b>C)</b>	Brass hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting. 250mm Long.	each	10		
<b>D)</b>	<b>BRASS DOOR STOPPER</b>	each	10		
<b>E)</b>	Renewing 125mm long wooden buffer block. With Sal: Malayasian	each	10		
<b>F)</b>	Supplying , fitting and fixing hinge cleat in position excluding the cost hinge and other fiffitngs. with 50mm iron Butt-hinge. Sal : Malayasian	each	10		

<b>G)</b>	Supplying anodised aluminium catch hook with eye fitted and fixed to shutter and chowkat complete of best quality: 150mm long.	each	10		
	<b>Total : Part 1 B=</b>				

<b>PART 1C: Sanitary and Plumbing Work -Main Building</b>					
<b>SL.NO.</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>TOTAL QUANTITY</b>	<b>UNIT PRICE</b>	<b>TOTAL PRICE</b>
<b>1</b>	<b>Bathroom Accessories</b>				
	Providing and fixing toilet paper holder				
	C.P. brass	each	12.00		
<b>2</b>	<b>WATER SUPPLY</b>				
<b>A)</b>	<b>G.I. PIPES- INTERNAL WORK WITH CONCEALED PIPE</b>				
	Providing and fixing concealed class B G.I. Pipes complete with G.I. Fittings and clamps, including painting with anticorrosive bitumastic paint , cutting chases and making good the wall				
<b>i)</b>	15 mm dia nominal bore	Metre	40.00		
<b>ii)</b>	20 mm dia nominal bore	Metre	40.00		
<b>B)</b>	<b>G.I. PIPES- EXTERNAL WORK</b>				
	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work				
<b>i)</b>	20 mm dia. nominal bore	Metre	55.00		
<b>ii)</b>	32 mm dia. nominal bore	Metre	55.00		
<b>C)</b>	<b>MAKING CONNECTION OF G.I. DISTRIBUTION BRANCH WITH G.I. MAIN</b>				
	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete				
<b>i)</b>	25 to 40 mm nominal bore	each	15.00		

<b>3</b>	Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) - Multilayer. 1500 litre capacity.	Each	2.00		
<b>4</b>	Labour for hoisting plastic water storage tank. Upto 1500 litre capacity. Unpto 3 Storey.	Each	2.00		
<b>5</b>	Lowering G.I. tank (upto 1812 litre capacity). Unpto 3 Storey.	Each	2.00		
	<b>SANITARY</b>				
<b>6</b>	Dismantling H.C.I. pipe with fittings including melting lead caulked joints. 100 mm	Metre	60.00		
<b>7</b>	Refixing H.C.I. pipe with fittings including lead caulked joints (with the old molten lead). 100 mm	Metre	20.00		
<b>8</b>	Removing chokage of H.C.I. or S.W. pipe with split bamboo. Overground	Metre	20.00		
<b>9</b>	Removing chokage of yard gully.	each	6.00		
<b>10</b>	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 hrough masonry concrete, if necessary, and mending good damages with necessary jointing materials and painting two coats to the exposed 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 seperately). With valamoid joints including sealing with sand cement mortar (4:1) upto quarter depth. 100 mm dia (Internal)	Metre	40.00		



11	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 seperately). With valamoid joints including sealing the top with cement mortar (4:1). 100 mm dia	Each	6.00		
12	Supplying, fitting & fixing H.C.I. offset conforming to I.S.S. including jointing complete with or without ear (150 mm projection) and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will be paid seperately). With valamoid joints including sealing the top with cement mortar (4:1). 100 mm	Each	2.00		
13	Supplying,fitting and fixing cast iron 'P' or 'S' trap conforming to I.S. 3989 / 1970 and 1729 / 1964 including lead caulked joints and painting two coats to the exposed surface. (Painting to be paid seperately). P Trap. 100 mm	Each	5.00		
	<b>Shower Enclosure</b>				
14	Ambiente Piazza Shower Enclosure 1200x900x1950mm Square/Rectangular Shape Glass Enclosure, 8mm tempered glass, brass water hole, Film in Glass, 1.2 aluminium Frame, Acrylic shower tray, Nano technology, sliding doors with designer handle. <b>(509590)</b>	each	5.00		
15	Ambiente Cristallo Shower Enclosure 900x900x1950mm Square/Rectangular Shape Glass Enclosure, 8mm tempered glass, brass water hole, Film in Glass, 1.2 aluminium Frame, Acrylic shower tray, Nano technology, sliding doors with designer handle. <b>(509590)</b>				
i)	1500X1950	each	3.00		
ii)	1950X1950	each	1.00		
16	Overhead shower "AQUAPLAY" Brass with Chrome Plating <b>(Q503141520)</b>	each	9.00		

<b>17</b>	"Providing and fixing Tall Boy Basin mixture chrome finish,Jaquar (KUBIX, CQT-35009B) with all tools,tackles & labour complete in all respect as directed by EIC"	each	12.00		
<b>18</b>	"Providing and fixing Pillar Cock Chrome Finish , Jaquar (OPAL, CQT-15001) with all tools,tackles & labour complete in all respect as directed by EIC"	each	12.00		
<b>19</b>	"Providing and fixing Bib Cock chrome finish, Jaquar (OPAL, CQT-15037) with all tools,tackles & labour complete in all respect as directed by EIC"	each	12.00		
<b>20</b>	"Providing and fixing Angular stop cock Chrome Finish, Jaquar (KUBIX, CQT-35053) with all tools,tackles & labour complete in all respect as directed by EIC"	each	12.00		
<b>21</b>	"Providing and fixing Towel rack long Chrome Finish,Jaquar (CQT- 35781 ) with all tools,tackles & labour complete in all respect as directed by EIC"	each	12.00		
<b>22</b>	"Providing and fixing WC Brush Holder Chrome Finish,Jaquar (CQT- 35743 ) with all tools,tackles & labour complete in all respect as directed by EIC"	each	9.00		
<b>23</b>	"Providing and fixing Toilet Roll Holder with Flap , Jaquar (CQT-35753) with all tools,tackles & labour complete in all respect as directed by EIC"	each	12.00		
<b>24</b>	"Providing and fixing bottle trap,chrome finish Jaquar (CQT- 769 ) with all tools,tackles & labour complete in all respect as directed by EIC"	each	12.00		

25	"Providing and fixing Corner glass shelf,Jaquar (CQT- 1173 ) with all tools,tackles & labour complete in all respect as directed by EIC"	each	12.00		
26	"Providing and fixing waste coupling,Jaquar (CQT- 709 ) with all tools,tackles & labour complete in all respect as directed by EIC"	each	12.00		
27	"Providing and fixing soap dish holder chrome finish,Jaquar (CQT- 35731 ) with all tools,tackles & labour complete in all respect as directed by EIC"	each	12.00		
28	"Providing and fixing soap dispensor chrome finish,Jaquar (CQT- 1135N ) with all tools,tackles & labour complete in all respect as directed by EIC"	each	12.00		
29	"Providing and fixing one piece water closet "KATHY- 92053" ivory colour, Hindware italian collection with cistern, seat cover and all accessories, tools,tackles & labour etc complete in all respect as directed by EIC"	each	12.00		
30	"Providing and fixing table top wash basin, "BLAMONT- 10073" ivory colour, Hindware italian collection with all accessories,tools,tackles & labour etc. complete in all respect as directed by EIC"	each	12.00		
31	"Providing and fixing Health Faucet , Jaquar (CQT-573) with all tools,tackles & labour complete in all respect as directed by EIC"	each	12.00		

**Total: PART 1C=**

## PART 1 D: Sanitary and Plumbing Work - Annex Building

SL.NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	UNIT PRICE	TOTAL PRICE
<b>1</b>	<b>Bathroom Accessories</b>				
	Providing and fixing toilet paper holder				
<b>i)</b>	C.P. brass	each	5.00		
<b>2</b>	<b>WATER SUPPLY</b>				
<b>A)</b>	<b>G.I. PIPES- INTERNAL WORK WITH CONCEALED PIPE</b>				
	Providing and fixing concealed class B G.I. Pipes complete with G.I. Fittings and clamps, including painting with anticorrosive bitumastic paint , cutting chases and making good the wall				
<b>i)</b>	15 mm dia nominal bore	Metre	40.00		
<b>ii)</b>	20 mm dia nominal bore	Metre	40.00		
<b>B)</b>	<b>G.I. PIPES- EXTERNAL WORK</b>				
	Providing and fixing G.I. pipes complete with G.I.fittings including trenching and refilling etc. External work				
<b>i)</b>	20 mm dia. nominal bore	Metre	40.00		
<b>ii)</b>	32 mm dia. nominal bore	Metre	40.00		
<b>C)</b>	<b>MAKING CONNECTION OF G.I. DISTRIBUTION BRANCH WITH G.I. MAIN</b>				
	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc.complete				
<b>i)</b>	25 to 40 mm nominal bore	each	10.00		
<b>3</b>	Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) - Multilayer. 1500 litre capacity.	Each	2.00		
<b>4</b>	Labour for hoisting plastic water storage tank. Upto 1500 litre capacity. Unpto 3 Storey.	Each	2.00		

	<b>SANITARY</b>				
<b>5</b>	Dismantling H.C.I. pipe with fittings including melting lead caulked joints. 100 mm	Metre	20.00		
<b>6</b>	Refixing H.C.I. pipe with fittings including lead caulked joints (with the old molten lead). 100 mm	Metre	10.00		
<b>7</b>	Removing chokage of H.C.I. or S.W. pipe with split bamboo. Overground	Metre	10.00		
<b>8</b>	Removing chokage of yard gully.	each	2.00		
<b>9</b>	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 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)	Metre	10.00		
<b>10</b>	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	Each	4.00		
<b>11</b>	Supplying, fitting & fixing H.C.I. offset conforming to I.S.S. including jointing complete with or without ear (150 mm projection) 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	Each	2.00		

12	Supplying,fitting and fixing cast iron 'P' or 'S' trap conforming to I.S. 3989 / 1970 and 1729 / 1964 including lead caulked joints and painting two coats to the exposed surface. (Painting to be paid seperately). P Trap. 100 mm	Each	2.00		
	<b>SANITARY INSTALLATION</b>				
	<b>Shower Enclosure</b>				
13	Ambiente Cristallo Shower Enclosure 900x900x1950mm Square/Rectangular Shape Glass Enclosure, 8mm tempered glass, brass water hole, Film in Glass, 1.2 aluminium Frame, Acrylic shower tray, Nano technology, sliding doors with designer handle. <b>(509590)</b>				
i)	1500X1950	each	2.00		
ii)	1950X1950	each	1.00		
14	Overhead shower "AQUAPLAY" Brass with Chrome Plating <b>(Q503141520)</b>	each	3.00		
15	"Providing and fixing Tall Boy Basin mixture chrome finish,Jaquar (KUBIX, CQT-35009B) with all tools,tackles & labour complete in all respect as directed by EIC"	each	6.00		
16	"Providing and fixing Pillar Cock Chrome Finish , Jaquar (OPAL, CQT-15001) with all tools,tackles & labour complete in all respect as directed by EIC"	each	6.00		
17	"Providing and fixing Bib Cock chrome finish, Jaquar (OPAL, CQT-15037) with all tools,tackles & labour complete in all respect as directed by EIC"	each	6.00		
18	"Providing and fixing Angular stop cock Chrome Finish, Jaquar (KUBIX, CQT-35053) with all tools,tackles & labour complete in all respect as directed by EIC"	each	6.00		

<b>19</b>	"Providing and fixing Towel rack long Chrome Finish,Jaquar (CQT- 35781 ) with all tools,tackles & labour complete in all respect as directed by EIC"	each	6.00		
<b>20</b>	"Providing and fixing WC Brush Holder Chrome Finish,Jaquar (CQT- 35743 ) with all tools,tackles & labour complete in all respect as directed by EIC"	each	5.00		
<b>21</b>	"Providing and fixing Toilet Roll Holder with Flap , Jaquar (CQT-35753) with all tools,tackles & labour complete in all respect as directed by EIC"	each	6.00		
<b>22</b>	"Providing and fixing bottle trap,chrome finish Jaquar (CQT- 769 ) with all tools,tackles & labour complete in all respect as directed by EIC"	each	6.00		
<b>23</b>	"Providing and fixing Corner glass shelf,Jaquar (CQT- 1173 ) with all tools,tackles & labour complete in all respect as directed by EIC"	each	6.00		
<b>24</b>	"Providing and fixing waste coupling,Jaquar (CQT- 709 ) with all tools,tackles & labour complete in all respect as directed by EIC"	each	6.00		
<b>25</b>	"Providing and fixing soap dish holder chrome finish,Jaquar (CQT- 35731 ) with all tools,tackles & labour complete in all respect as directed by EIC"	each	6.00		
<b>26</b>	"Providing and fixing soap dispensor chrome finish,Jaquar (CQT- 1135N ) with all tools,tackles & labour complete in all respect as directed by EIC"	each	6.00		

27	"Providing and fixing one piece water closet "KATHY-92053" ivory colour, Hindware italian collection with cistern, seat cover and all accessories, tools,tackles & labour etc complete in all respect as directed by EIC"	each	5.00		
28	"Providing and fixing table top wash basin, "BLAMONT-10073" ivory colour, Hindware italian collection with all accessories,tools,tackles & labour etc. complete in all respect as directed by EIC"	each	6.00		
29	"Providing and fixing Health Faucet , Jaquar (CQT-573) with all tools,tackles & labour complete in all respect as directed by EIC"	each	5.00		
<b>Total for Sanitary and Plumbing Work (Annex Building) - Part 1 D</b>					=

#### **PART 1 E: Horticulture Landscapping and Plantations**

Sl. No.	Description of items	Quantity	Unit	Rate	Amount
	<b>HORTICULTURE, LANDSCAPING AND PAVING WORK</b>				
1	Trenching in ordinary soil up to a depth of 60 cm including removal and stacking of serviceable materials and then disposing of surplus soil, by spreading and neatly leveling within a lead of 50 m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or / and manure before and after flooding trench with water (excluding cost of imported earth, sludge or manure).	30.00	Cu.M.		
2	Supplying and stacking of good earth at site including royalty and carriage upto 5 km complete (earth measured in stacks will be reduced by 20% for payment).	30.00	Cu.M.		



3	Supplying and stacking sludge at site including royalty and carriage upto 5 km complete (sludge measured in stacks will be reduced by 8% for payment)	30.00	Cu.M.		
4	Supplying and stacking at site dump manure from approved source, including carriage upto 5 km complete (manure measured in stacks will be reduced by 8% for payment) :				
5	Screened through sieve of I.S. designation 16 mm	15.00	Cu.M.		
6	Rough dressing the trenched ground including breaking clods.	447.00	Sq.M.		
7	Spreading of sludge, dump manure and/or good earth in required thickness as per direction of officer-in-charge (cost of sludge, dump manure and/ or good earth to be paid separately).	30.00	Cu.M.		
8	Mixing earth and sludge or manure in the required proportion specified or directed by the Officer-in-charge	30.00	Cu.M.		
9	Grassing with selection No. 1 grass including watering and maintenance of the lawn for 60 days or more till the grass forms a thick lawn, free from weeds and fit for mowing including supplying good earth, if needed (the grass and earth shall be paid for separately).				
i)	In rows 5 cm apart in both directions	100.00	Sq.M.		
ii)	With grass Turf	100.00	Sq.M.		

10	Preparation of beds for hedging and shrubbery by excavating 60 cm deep and trenching the excavated base to a further depth of 30 cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume of earth after reduction by 20% : one part of stacked volume of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, leveling etc. including stacking and disposal of materials declared unserviceable and surplus earth by spreading and leveling as directed, within a lead of 50 m, lift up to 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately)	30.00	Cu.M.		
11	Providing and laying Neelgiri/Mexican grass turf with earth 50mm to 60mm thickness of existing ground prepared with proper level and ramming with tools wooden (Dhurmos) and than rolling the surface with light roller make the surface smoothen and light watering with sprinkler and maintenance for 30 days or more till the grass establish properly, as per direction of officer-in-charge.	100.00	Per Sqm		
12	Anti termite treatment of lawn area through premise 30.50% I P. one liter premise diluted in 499 liters water and applying solution @ 1.00 litre solution per sqm lawn or bed area.(two application) i/c cost of chemical)and as per direction of officer-in-charge.and as per direction of officer-in-charge.	100.00	Sq.M.		
13	Plantation of Trees, Shrubs, and Hedge at site i/c watering and removal of unserviceable material's as per direction of officer in charge (excluding cast of plant & water)				

i)	Shrubs Plant	1500.00	Each		
ii)	Hedge Plant	500.00	Each		
14	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of fine sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.	90.00	Sq.M.		
15	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 25x25 mm made of G.I. wire of dia. 3mm including strengthening with 2mm dia. Wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.	50.00	Sq.M.		
16	Laying a row near ground level old kerb stones of all types in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement : 3 coarse sand), including making joints with or without grooves (thickness of joints, except at sharp curve, shall not be more than 5mm), including making drainage opening wherever required etc. complete as per direction of Engineer-in-charge. (Length of finished kerb edging shall be measured for payment). (Old kerb stones shall be supplied by the department free of cost)	100.00	Metre		
<b>Plantations</b>					
17	Bougainvillea of height 90cm-60cm in cement pots of size 30cm.	600.00	each		
18	Croton of different varieties in earthen pots.	300.00	each		
19	Dracaena in earthen pots	300.00	each		

**TOTAL Part 1E: for Horticulture  
Landscaping and Plantations:**

=

**Total of Part 1 (1A+1B+1C+ 1D+1E) =**

**Part 2A : Electrical Renovation /Modification work**

SL.NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	UNIT PRICE	TOTAL PRICE
				(in Rs.)	(in Rs.)
1	Providing earthing electrode as per IS:3043 standard / drawing / specifications with following sizes medium quality, Class-B, GI pipe fabricated as per the standard drawing and driven in the earth pit filled up with charcoal or coke dust mixed with salt clay (salt 0.5%) including providing inspection chamber as per the drawing with removable RCC (1:2:4) cover, earth, excavation, back filling, masonry work etc. all complete with labour and materials as per the direction of Engineer-in-Charge. Charcoal and salt cost will be paid seperately as extra.				
	65 mm dia 3 metre long	set	2		
2	Extra for using below given salt and charcoal for pipe earth electrode as required.	set	2		
	Providing Earthing with GI strip of the following sizes including supply and laying of GI strip and connecting consumables, all complete with labour and materials as per direction of Engineer-in-Charge.				
3	25 X 6 MM GI STRIP	Metre	200		
4	Earthing with bare GI wire, providing and connecting equipments with earth bus bar including supply and fixing of bare GI wire of following sizes and making connection with equipent by means of GI bolts, nuts, washers, copper lugs etc. all complete with labour and materials as per direction of Engineer-in-Charge.				
	10 SWG	Metre	200		

5	Supply and fixing of earth bus bar of GI flat of following size on wall etc. with a clearance of 6 mm from the wall with spacing insulator GI rack bolts wherever necessary including drilling 6 mm dia holes at about 25 mm apart complete with double nuts, washers GI machine tools etc. all complete with labour and materials as per direction of the Engineer-in-Charge.				
	50 X 6 MM GI FLAT	Metre	1		
6	Supplying and fixing 5 amps. To 32 amps. Rating, 240/415 volts, 50Hz, 10KA 'G' series, miniature circuit breaker (suitable for motor and other inductive loads and conforming to IS 8828:1996, IEC 60898:2002) of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Note: ISI marked MCBs of Havells / Loadster / Indo Kopp make shall be used.				
	Triple pole and neutral	each	5	914.81	4574.05
7	Supplying and fixing of following way three pole and neutral sheet steel, 32 A MCB, PPI distribution board, 240 volts, on surface / recess complete with tinned copper busbar, neutral link, earthbar, dinbar, detachable gland plate, interconnections including painting, earthing etc. as required with IP 43 protection-acrylic door (having per phase isolation with DP RCDs. With provision for FPR CD / MCB / Isolator as incomer and 3 DP RCDs + MCBs outgoing).				
	12 - Way	each	12		
8	Supplying and fixing of following rating 240 volts, 50Hz, 10 KA 'L' series, miniature circuit breaker (suitable for lighting and other domestic loads and conforming to IS 8828:19) of single poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	5 To 32 Amp	each	150		

9	Supplying and fixing 40 amps. To 63 amps. Rating, 240 / 415 volts, 50Hz, 10 KA 'G' series, miniature circuit breaker (suitable for motor and other inductive loads and conforming to IS 8828:1996, IEC 60898:2002) of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	Triple Pole & neutral/4pole	each	6		
10	Supply and installation of blanking plates in all types of DBs.	each	12		
11	Wiring for light plug with 2 x 1.5 sq mm FRLS, PVC insulated, copper conductor, single core cable in PVC Rigid conduit above false ceiling and vertical run concealed along with 1 x 1.5 sq.mm PVC insulated copper wire as ECC. required.	Metre	500		
12	Distribution wiring from Power Sub DB to AC Power Point with 1.1KV grade single core stranded FRLS, PVC insulated and unsheathed 2x56/0.3(4sq.mm) +1x36/0.3(2.5sq mm) ECC, FRLS copper wire in PVC Rigid conduit above false ceiling and vertical run concealed incl. necessary fittings as required.	Metre	1000		
13	Wiring for light point / fan point / exhaust fan point / call point with 1.5 sq mm PVC insulated, copper conductor cable in in PVC Rigid conduit above false ceiling and vertical run concealed as required. Job includes cost of wire, conduit with accessories, ceiling rose, MS box with phenolic laminated sheet and switches etc. as required. Note: Only ISI marked conduits, cables, switches and socket outlets shall be used.				
	Long point (conduit length more than 6m but upto and including 10m) -	Point	750		

14	Supply and fixing of following size of PVC conduit along with the accessories in recess including cutting the wall and making good the same in case of recessed, conduit as required: Note: Only ISI marked conduits shall be used.				
	20 mm	Metre	5500		
15	Wiring for circuit/ submain wiring alongwith earth wire with 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire (For 6/16A power socket wiring) FRLS PVC insulated copper conductor, in PVC Rigid conduit above false ceiling and vertical run concealed as per direction of EIC	Metre	2000		
16	Supplying and drawing 2 pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as per direction of EIC	Metre	100		
17	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 surface/recessed steel/ PVC conduit as per direction of EIC	Metre	300		
18	Supplying and fixing metal box of size 150 mm X 75 mm X 60 mm deep(nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as per direction of EIC	No.	55		
19	Supplying and fixing metal box of size 150 mm X 150 mm X 60 mm deep(nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as per direction of EIC	No.	50		

20	Supplying and fixing metal box of size 200 mm X 150 mm X 60 mm deep(nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as per direction of EIC	No.	40		
21	Supplying and fixing 1 or 2 Modular base & cover plate on existing modular metal boxes etc. as per direction of EIC	No.	55		
22	Supplying and fixing 3 Modular base & cover plate on existing modular metal boxes etc. as per direction of EIC	No.	50		
23	Supplying and fixing 8 Modular base & cover plate on existing modular metal boxes etc. as per direction of EIC	No.	35		
24	Supplying and fixing 12 Modular base & cover plate on existing modular metal boxes etc. as per direction of EIC	No.	5		
25	Supplying and fixing of 5/6 amps modular switch on the existing modular plate & switch box including connections but excluding modular plate etc. as per direction of EIC	No.	600		
26	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch,connection etc. as per direction of EIC	No.	90		
27	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as per direction of EIC	No.	25		



28	Supplying and fixing of modular telephone socket outlet on the existing modular plate & switch box including connections but excluding modular plate etc. as per direction of EIC.	No.	20		
29	Supplying and fixing of modular TV antenna socket outlet on the existing modular plate & switch box including connections but excluding modular plate etc. as per direction of EIC	No.	18		
30	Supplying and fixing of modular Bell push on the existing modular plate & switch box including connections but excluding modular plate etc. as per direction of EIC	No.	15		
31	Supply & installation of wall bracket /ceiling fittings of all sizes and shapes containing upto two lamps per fitting, complete with all accessories including connection etc. as per direction of EIC	No.	290		
33	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as per direction of EIC	No.	55		
34	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. (Upto 450 mm sweep) as per direction of EIC	No.	25		
35	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as per direction of EIC	No.	55		
36	Supplying and fixing call bell/ buzzer suitable for single phase, 230 volts, complete as per direction of EIC	No.	15		

37	"Supply of 1 x 20/24 W LED TUBE LIGHT Fittings complete with 1 No 20 W tube,, driver and duly interconnection wire etc. which shall be as per direction of EIC	No.	50		
38	"Supply of 10 /12 W LED Down light fittings with 6.5K as per direction of EIC	No.	160		
39	"Supply of 2 x 2.5 W LED wall mounted light fittings as per direction of EIC	each	24		
40	"Supply of 1 x 2.5 W wall mounted bed side light fittings as per direction of EIC	No.	24		
41	"Supply of 1 x 12 W ceiling mounted LED light fittings as per direction of EIC	No.	24		
42	Supply of 1 x 7.5 W LED wall light for Bathroom & over mirror as per direction of EIC	No.	25		
43	"Supply, installation, testing & commissioning of LED Strip Light (6W / Meter ) as per direction of EIC	Metre	220		
44	"SUPPLY OF CEILING FAN : Supply of Ceiling Fans of . 1200 mm sweep excluding regulator as per direction of EIC	No.	55		
45	Supply of ISI marked 300 mm sweep, 230 Volt AC Ring mounted Exhaust Fan including wire guard etc.as per direction of EIC	No.	25		
46	Supply, installation, testing & commissioning of 4 Model 20A Starter with 20A plug , AC Starter , as per direction of EIC	No.	30		

47	Supplying and fixing of electronic key tag-card operated on the existing modular plate & switch box including connections but including modular plate etc. as per direction of EIC	No.	15		
48	Supply and fixing of 20A socket with 20A modular switch	No.	15		
49	Supply, installation and fixing of 10 Litter 5 star rating Geyser.	No.	15		
50	75W Cabin Fan	No.	25		
51	Supply of 1.1 KV grade 4 core 16 Sq mm. XLPE insulated copper cable	Meter	500		
52	Laying of 4 core 16 sq.mm. XLPE insulated copper cable recessed in wall	Meter	100		
53	Laying of 4 core 16 sq.mm. XLPE insulated copper cable on existing tray in wall	Meter	400		
54	Providing of gland, cable end finishing and termination of 4 core 16 sq mm copper cable.	Nos.	20		
55	Dismantling of the existing Wirings, DBs, Switch Boards, Lights, Fans, etc.	LOT	1		
<b>TOTAL 2A=</b>					

<b>Part 2B: Providing air-conditioners in the Guest House.</b>					
	<b>MACHINES</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
<b>1</b>	<b>Hi wall split Units</b>				
	Supply of Hi wall suspended Air-cooled Inverter type split Air-conditioner with of the following Capacity -				
<b>i</b>	<b>1.5 tr - 3 Star</b>	<b>Nos.</b>	<b>7</b>		
<b>ii</b>	<b>1.0 tr - 3 star</b>	<b>Nos.</b>	<b>4</b>		
<b>iii</b>	<b>2.0 tr - 3 Star</b>	<b>Nos.</b>	<b>1</b>		
<b>2</b>	<b>Cassette Type Split AC</b>				
	Supply of Ceiling suspended Cassette Type Inverter Air-cooled split Air-conditioner with Rotary /Twin Rotary compressors of the following Capacity -				
<b>i</b>	<b>1.5 tr -3 Star</b>	<b>Nos.</b>	<b>1</b>		
<b>ii</b>	<b>2.0 tr -3 Star</b>	<b>Nos.</b>	<b>14</b>		
<b>iii</b>	<b>3.0 tr - N/A</b>	<b>Nos.</b>	<b>3</b>		
	<b>TOTAL HIGH SIDE ( A)</b>				

<b>LOW SIDE</b>					
	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
<b>2</b>	<b>INSTALLATION TESTING &amp; COMMISSIONING CHARGES</b>				
	Hi wall split AC -1.5 / 2.0 TR	<b>Nos</b>	<b>12</b>		
	Cassette split AC -1.5 / 2.0 TR	<b>Nos</b>	<b>14</b>		
	Cassette split AC -3.TR	<b>Nos</b>	<b>4</b>		
<b>3</b>	<b>REFRIGERANT PIPING</b>				
<b>a</b>	Supply and installation of refrigerant piping suitable for Above Hi wall split <b>A.C.</b> Units including Nitryle Rubber Insullation ( <b>Considered 25 ft per Unit</b> )	<b>RMTR.</b>	<b>92</b>		

<b>b</b>	Supply and installation of refrigerant piping suitable for Above Cassette split A.C. Units including Nitryle Rubber Insullation (Considered 25 ft per Unit)	<b>RMTR.</b>	<b>130</b>		
<b>4</b>	<b>DRAIN PIPING</b>				
	Supply and installation of complete PVC Drain Piping with insulation with all accessories complete				
	<b>25 mm</b>	<b>RMTR.</b>	<b>180</b>		
<b>5</b>	<b>CABLES</b>				
	Supply and installation of electrical Power/ controll cabling of suitable size between indoor units and indoor units				
<b>a</b>	<b>3c x 2.5 mm</b>	<b>RMTR.</b>	<b>250</b>		
<b>6</b>	<b>ODU STRUCTURE</b>				
<b>a</b>	Supply and installation & Commissioning of M.S. fabricated ODU Structure with one side platform with all accessories for Hi wall split AC -1 / 1.5 /2 TR	<b>Nos</b>	<b>12</b>		
<b>b</b>	Supply and installation & Commissioning of M.S. fabricated ODU Structure with one side platform with all accessories for Cassette split AC-1.5 /2.0 TR	<b>Nos</b>	<b>13</b>		

	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
6.c	Supply and installation & Commissioning of M.S. fabricated ODU Structure with one side platform with all accessories for Cassette split AC-3.0 TR	<b>Nos</b>	<b>4</b>		

<b>7</b>	Lifting charges of ODU & IDU	<b>Nos</b>	<b>29</b>		
<b>8</b>	Scaffolding	<b>Lot</b>			
<b>9</b>	Minor Civil works	<b>Lot</b>			
	<b>LOW SIDE ( B )</b>				
<b>* UNIT RATE APPLICABLE ( Actual Quantity Will be measured after Installation &amp; Billed )</b>					
<b>RO - RATE ONLY ( If Required will be applicable )</b>					

	<b>Summary</b>
<b>Machine</b>	
<b>Low side</b>	

**TOTAL 2B :**

**Part 2C : FIRE ALARM & DETECTION SYSTEM**

S.L.	Description of items	Unit	Qnt.	Rate (Rs.)	Amount (Rs.)
1	Supply, delivery of 32 bit microprocessor based 100% Hot Redundant Intelligent Addressable Fire Alarm Control panel with 2 loops with battery back up. The panel shall be networkable & expandable upto 6 loops w/o changing the cabinet. The control panel, battery charger etc, shall be Vds approved and as per EN-54 standard. The panel would be modular, decentralized with 100% hot redundancy in cpu/master control unit, 100% hot redundancy in loop cards, relay and interface card by means of duplicated electronics, means, hardware redundancy with full functionality. The panel shall be consisting with minimum 240 character LCD display for networking. The Panel would be able to record atleast 60,000 events history. Each loop would be capable to have atleast 250 addressable detectors and addressable devices with up to 3.5km loop length.	No	1		
1a	Installation of the above	No	1		
2	Supply, delivery of addressable type multicriteria detector with base for use as heat or smoke or combined both with automatic electronic addressing, microprocessor type with builtin ntegrated short circuit isolator	No	175		
2a	Installation of the above	No	175		
3	Addressable manual call point having inbuilt short circuit isolator	No	12		
3a	Installation of the above	No	12		
4	Addressable Loop Powered multi tone sounder with integrated short circuit isolator & having operating temperature -10°C to + 55°C	No	12		
4a	Installation of the above	No	12		
5	LPG Gas leak detector	No	4		
5a	Installation of the above	No	4		
6	Analogue Addressable monitor module with IP66 casing with in-built short circuit isolator The ambient temperature range shall be -20C to +60C.	No	4		

6a	Installation of the above	No	4		
S.L.	Description of items	Unit	Qnt.	Rate (Rs.)	Amount (Rs.)
7	Analogue Addressable Control module with IP66 casing containing four relay outputs, each containing a potential-free DPDT contact with a fail-safe and in-built short circuit isolator The ambient temperature range shall be -20C to +60C.	No	1		
7a	Installation of the above	No	1		
8	Response Indicator	No	50		
8a	Installation of the above	No	50		
9	4"/4" Metal JB for mounting of detectors (16 SWG) with necessary glanding	No	50		
9a	Installation of the above	No	50		
10	Dismantling and re-installation of existing PA system	No	1		
11	Laying of 2C X 1.5 sqmm -- Stranded Cu Conductor, XLPE insulated FRLS UNARMoured Cable with ISI marked PVC conduit & other wiring accessories as per requirement	RMT	4000		
12	<b>Comprehensive AMC charges for one year after one year warranty period</b>				

**Total Part 2C =**

**Total of Part 2: Part 2A+2B+2C =**

**Total Tendered Amount: Rs.**

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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 \_\_\_\_\_ h  
aving 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 **eight 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' 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:  
with Seal)

(Signature of Bidder

WITNESS :

Signature :

Name of the Bidder :

Name :

Address :

(In Block Letters)

Address :

Occupation :

ANNEXURE - F

# **General Conditions of Contract Forms and Agreements**

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

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

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

**GENERAL CONDITIONS OF CONTRACT**

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

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		
Estimated Value of Work	Amount of Earnest Money		Estimated Value of Work	Amount of Earnest Money	
	For Works Contract	For Contract of Supplying Materials or Equipment only		For Works Contract	For Contract of Supplying Materials or Equipment only
Up to Rs. 1,00,000=00	5% of the estimated value of work	1% of the estimated value of work	Up to Rs. 10 Crore	2% of the estimated value of work	1% of the estimated value of work
Over Rs. 1,00,000.00	2% of the estimated value of work subject to a maximum of Rs. 20,000/- and minimum of Rs. 5,000/-.	½% of the estimated value of work subject to a maximum of Rs. 10,000/- and minimum of Rs. 1,000/-.	Over Rs. 10 Crore	2% on first Rs. 10 Crore + 1% on the balance	½% of the estimated value of work subject to a maximum of Rs. 10,000/- and minimum of Rs. 1,000/-.

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

Table under sub-clause (d)

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
<b>A</b>	Rs 10,000/-	Any tender priced upto Rs 2,00,000/-	<b>A</b>	Rs 50,000/-	Any tender priced up to Rs 10,00,000/-
<b>B</b>	Rs 5,000/-	Any tender priced upto Rs 1,00,000/-	<b>B</b>	Rs 25,000/-	Any tender priced upto Rs 5,00,000/-
<b>C</b>	Rs 2,500/-	Any tender priced upto Rs 50,000/-	<b>C</b>	Rs 15,000/-	Any tender priced upto Rs 3,00,000/-

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

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 Trustees for the Port of Calcutta, a body corporate under Section 3 of the Major Port Trusts Act, 1963, including their successors, representatives and assigns. Employer
- 1.2 "Chairman" means the Chairman of the Board and includes the person appointed to act in his place under Sections 14 and 14A of the Major Port Trusts Act, 1963 Chairman
- 1.3 "Contractor" means the person or persons, Firm or Company whose tender/offer has been accepted by the Trustees and includes the Contractor's representatives, heirs, successor and assigns, if any, permitted by the Board/Chairman. Contractor
- 1.4 "Engineer" means the Board's official who has invited the tender on its behalf and includes the Manager (Infrastructure & Civic Facilities) or other official as may be appointed from time to time by the Employer, with written notification to the Contractor, to act as Engineer for the purpose of the Contract, in place of the "Engineer" so designated. Engineer
- 1.5 "Engineer's Representative" means any subordinate or Assistant to the Engineer or any other official appointed from time to time by the Engineer to perform the duties set forth in Clauses 2.4 to 2.6 hereof. Engineer's Representative
- 1.6 "Work" means the work to be executed in accordance with the Contract and includes authorised "Extra Works" and 'Excess Works" and "Temporary Works". Works
- 1.7 "Temporary Works" means all temporary works of every kind required in or about the execution, completion or maintenance of the works and includes (without thereby limiting the foregoing definitions) all temporary erections, scaffolding, ladders, timbering, soaking vats, site offices, cement and other godowns, platforms and bins for stacking building materials, gantries, temporary tracks and roads, temporary culverts and mixing platforms. Temporary works
- 1.8 "Extra Works" means those works required by the Engineer for completion of the Contract which were not specifically and separately included in the schedule of items of the works i.e. (Bill of Quantities) of the tender. "Excess Works" means the required quantities of work in excess of the provision made against any item of the bill of Quantities. Extra works and Excess works
- 1.9 "Specifications" means the relevant and appropriate Bureau of Indian Standard's specifications / International Standard's Specifications (latest Specification

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 uninsurable, war, invasion, act of foreign enemies, hostilities) whether war be declared or not), Civil War, rebellion, revolution, insurrection or military or usurped power or use or occupation by the Trustees of any portion of the works in respect of which a certificate of completion has been issued (all of which are herein collectively referred to as the excepted risks). | Excepted Risks                  |
| 1.17 | Word importing the singular only, also includes the plural and vice-versa where the context so requires.  | Singular/<br>Plural             |
| 1.18 | The heading and marginal notes in these General Conditions of Contract shall not be deemed to be part thereof or be taken into consideration in the interpretation or construction thereof or of the contract.  | Headings/<br>Marginal<br>Notes. |

1.19 Unless otherwise stipulated the work “Cost” shall be deemed to include Cost overhead costs of the Contractor, whether on or off the site.

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 *The Engineer shall have full power and authority :* 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 *The Engineer’s Representative shall :*

(i) watch and supervise the works. Power of Engineer’s Representative.

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

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| (a) | The form and nature of the site and its surroundings including their sub-surface, hydrological, tidal and climatic conditions, the means of access to the site and all other local conditions, including the likely charges and costs for temporary way-leave, if any, required for the work.                                   | Site & Local condition.                                     |
| (b) | The drawings, specifications, the nature and extent of work to be executed and the quality, quantity and availability of the required materials and labour for the work and the need to execute the work to the entire satisfaction of the Engineer, and also by complying with the General and Special Conditions of Contract. | Drawing/ Specification/ Nature & extent of work to be done. |

## GC - 6

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

- 3.4 (a) Unless otherwise stipulated in the Notice Inviting Tender / Offer, every tender must be submitted with Earnest Money of the amount calculated as per the following scale. Earnest Money and Security Deposit.

Estimated Value of Work	Amount of Earnest Money	
	For Works Contract	For Contract of Supplying Materials or Equipment only
Up to Rs. 1,00,000=00	5% of the estimated value of work	1% of the estimated value of work
Over Rs. 1,00,000=00	2% of the estimated value of work subject to a maximum of Rs. 20,000/- and minimum of Rs. 5,000/-.	½% of the estimated value of work subject to a maximum of Rs. 10,000/- and minimum of Rs. 1,000/-.

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

Class of Registration	Amount of Fixed Security	Financial Limit of Each Tender
A	Rs. 25,000/-	Any tender priced up to Rs.5,00,000/-
B	Rs. 10,000/-	Any tender priced up to Rs.2,00,000/-

C	Rs. 5,000/-	Any tender priced up to Rs.1,00,000/-	
(e)	(i) Tender submitted without requisite Earnest Money may be liable to rejection.		Tender without EM liable to rejection.
	(ii) If before expiry of the validity period of his Tender/Offer, the tenderer amends his quoted rates or tender/offer making them unacceptable to the Trustees and/or withdraws his tender/offer, the Earnest Money deposited shall be liable to forfeiture at the option of the Trustees.		Forfeiture of E.M. before Acceptance of offer.
(f)	The Earnest Money of accepted tender/offer shall be retained by the Trustees as part of the Security Deposit, for which a separate Treasury Receipt shall be issued to the Contractor after cancellation of the previous Receipt of Earnest Money.		E.M. to be converted to part S.D.
(g)	Balance security for works contract shall be recovered by deduction from all progressive Bill (including final Bill, if necessary) @ 10% of the gross value of work in each such bill, so that the total recovery may not exceed the quantum computed as per the under noted percentages of the total value of work actually done up to the stage of completion.		Mode of recovery of balance S.D.

## 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. recovery.
For works up to Rs.10,00,000/-.	10% (Ten percent)	1% (One percent)	
For works costing more than Rs.10,00,000/- and up to Rs.20,00,000/-	10% on first Rs.10,00,000/- + 7½% on the balance.	1% on first Rs.10,00,000/- + ½% on the balance.	
For works costing more than Rs.20,00,000/-	10% on first Rs.10,00,000/- + 7 ½% on the next Rs.10,00,000/- + 5% on the balance.	1% on first Rs.10,00,000/- + ½% on the next Rs.10,00,000/- + ¼% on the balance.	
(h)	Balance Security for Contract of supplying materials and equipment		S.D. for supply

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. 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 Engineer. The cost of obtaining this or any other Bank Guarantee and/or the revalidation thereof, wherever required, has to be borne by the Contractor and it shall be his sole responsibility to arrange for timely revalidation of such Bank Guarantee, failing which and for non-fulfilment of any contractual obligation by the Contractor, the Engineer and/or the Trustees shall be at liberty to raise claim against the Guarantee and/or enforce the same unilaterally. Bank Guarantee in lieu of Cash S.D. in certain cases
- 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 Conditions of Contract and in the Bill of Quantities, shall be furnished by the Engineer to the Contractors free of cost for his use on the work, but these shall remain the property of the Trustees and hence, the Contractor shall return them to the Engineer or his Representative on completion of the work, if not torn or mutilated on being regularly used at site. All Drawings are Trustees’ property.
- 4.5 The Contractor shall prove and make at his own expense any working or progress drawings required by him or necessary for the proper execution of the works and shall, when required, furnish copies of the same free of cost to the Engineer for his information and/or approval, without meaning thereby the shifting of Contractor’s responsibility on the Engineer in any way whatsoever. Contractor to prepare working / progress drawings

- 4.6 The Contractor shall not directly or indirectly transfer, assign or sublet the Contract or any part thereof without the written permission of the Engineer. Even if such permission be granted, the Contractor shall remain responsible (a) for the acts, defaults and neglect of any sub-contractor, his agents, servants or workmen as fully as if these were the acts, defaults or neglects of the Contractor himself or his agents, servants or workmen and (b) for his full and entire responsibility of the contract and for active superintendence of the works by him despite being sublet, provided always that the provision of labourers on a “piece rate” basis shall not be deemed to be sub-letting under this clause. Contractor cannot sub-let the work
- 4.7 Unless otherwise specified, the Contractor shall be deemed to have included in his Tender/Offer all his cost for supplying and providing all constructional plant, temporary work. Materials both for temporary and permanent works, labour including supervision thereof, transporting to and from the site and in and about the work, including loading, unloading, fencing, watching, lighting, payment of fees, taxes and duties to the appropriate authorities and other things of every kind required for the construction, erection, completion and maintenance of the work. Contractors’ price is inclusive of all costs
- 4.8 The Contractor shall be solely responsible for the adequacy, stability and safety of all site operations and methods of construction, even if any prior approval thereto has been taken from the Engineer or his Representative. The Contractor shall not be responsible for the correctness of the design or specification of the Temporary and Permanent works formulated by the Engineer; but the Contractor shall be fully responsible for the correct implementation thereof, as also for any design and specification prepared/proposed/used by the Contractor. Contractor is responsible for all construction process, except for correctness of design and specification formulated by the Engineer
- 4.9 Whenever required by the Engineer or his representative, the Contractor shall submit to him the details of his (a) programme for execution of the work, (b) proposed procedure and methods of work, (c) proposed deployment of plant, equipment, labour, materials and temporary works. The submission to and/or any approval by the Engineer or his Representative to any such programme or particulars shall not relieve the Contractor of any of his obligations under the contract. Contractor to submit his programme of work

## 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.

- 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 Contractor to supervise the works

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.

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| 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 its staff, workmen or official at site and the Contractor shall within 48 hours comply with such instruction without any demur whenever the Engineer shall feel that the deployment of the person concerned will not be conducive to the proper and timely completion of the work.   | Contractor to deploy qualified men and Engineer's power to remove Contractor's men |
| 4.12 | The Contractor shall be responsible for the true and proper setting out of the works in relation to reference points/lines/levels given by the Engineer in writing. The checking of any setting-out or of any alignment or level by the Engineer or his Representative shall not in any way relieve the contractor of his responsibility for the correctness thereof and he shall fully provide protect and preserve all stakes, templates, bench marks, sight rails, pegs, level marks, profile marks and other things used in setting out the works.  | Contractor is responsible for line, level, setting out etc.                        |
| 4.13 | From the commencement of the works till issue of the completion certificate in Form G.C.1, vide Clause 5.12 hereof, the contractor shall take full responsibility for the care thereof. Save for the excepted risks, any damage, loss or injury to the work or any part thereof shall be made good by the Contractor at his own cost as per instruction and to the satisfaction of the engineer, failing which the Engineer or his Representative may cause the same to be made good by any other agency and the expenses incurred and certified by the Engineer shall deem proper. This Clause will not apply to that part of the work, which might have been taken over by the Trustees on partial completion of the work and in such case the Contractor's obligation will be limited to repairs and replacement for manufacturing or construction defects during the Maintenance period (Guarantee Period) as per the directions of the Engineer as also for defects/damages if any caused to the work by the Contractor during such repairs and replacement in the maintenance period. | Contractor is responsible to protect the work                                      |

#### GC – 12

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

caused by him in executing the work.

- 4.15 The Contractor shall immediately inform the Engineer's Representatives if any fossil, coins, articles of value or antiquity and structures and other remains or things of geological or archaeological importance be discovered at site which shall remain the property of the Trustees and protect them from being damaged by his workmen and arrange for disposal of them at the Trustees' expense as per the instruction of the Engineer's Representative.
- 4.16 The Contractor shall be deemed to have indemnified and shall indemnify the Trustees against all claims, demands, actions and proceedings and all costs arising therefrom on account of :
- (g) Infringement of any patent right, design, trademark or name or other protected right in connection with the works or temporary work.
  - (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.

Fossils, Treasure travois, etc. are Trustees' property

Contractor to Indemnify the Trustees against all claims for loss, damage, etc.

Dismantled materials Trustees' property

- 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.

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| 4.19 | Every direction or notice to be given to the Contractor shall be deemed to have been duly served on or received by the Contractor, if the same is posted or sent by hand to the address given in the tender or to the Contractor's Site Office or to the Registered Office of the Contractor. The time mentioned in these conditions for doing any act after direction or notice shall be reckoned from the time of such posting or despatch. | Notice to Contractor.                                       |
| 4.20 | The Contractor and his Sub-contractor or their agents and men and any firm supplying plant, materials and equipment shall not publish or caused to be published any photographs or description of the works without the prior authority of the Engineer in writing.   | Contractor not to publish photograph or particulars of work |

- 4.21 The Contractor shall at the Trustees' cost to be decided by the Engineer render all reasonable facilities and Co-operation as per direction of the Engineer or his representative to any other Contractor engaged by the Trustees and their workmen to the Trustees' own staff and to the men of other Public Body on or near the site of work and in default the Contractor shall be liable to the Trustees for any delay or expense incurred by reason of such default. Contractor to provide facilities to outsiders
- 4.22 The work has to be carried out by the Contractor causing the minimum of hindrance for any maritime traffic or surface traffic. Work to cause minimum possible hindrance to traffic movement
- 4.23 All constructional plants, temporary works and materials when brought to the site by the Contractor shall be deemed to be the property of the Trustees who will have lien on the same until the satisfactory completion of the work and shall only be removed from the site in part or in full with the written permission of the Engineer or his Representative. Trustees' lien on Contractor's Plant & Equipment.
- 5.0 COMMENCEMENT, EXECUTION AND COMPLETION OF WORK.
- 5.1 The Contractor shall commence the work within 7 days of the receipt of Engineer's letter informing acceptance of the Contractor's tender/offer by the Trustees or within such preliminary time as mentioned by the Contractor in the Form of Tender or the time accepted by the Trustees. The Contractor shall then proceed with the work with due expedition and without delay, except as may be expressly sanctioned or ordered by the Engineer or his Representatives, time being deemed the essence of the contract on the part of the contractor. Preliminary time to commence work an maintenance of steady rate of progress
- 5.2 The Contractor shall provide and maintain a suitable office at or near the site to which the Engineer's Representative may send communications and instructions for use of the Contractor. Contractor's site office
- 5.3 Unless specified otherwise in the contract or prior permission of the Engineer has been taken, the contractor shall not execute the work beyond the working hours observed by the Engineer's Representative and on Sundays and Holidays observed in the Trustees' system, except in so far as it becomes essential on account of tidal work or for safety of the work. If the progress of the work lags behind schedule or the work has been endangered by any act or neglect on the part of the contractor, then the 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. Contractor to observe Trustees' working hours

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- 5.4 Unless stipulated otherwise in the contract all materials required for the work shall be procured and supplied by the contractor with the approval of the Engineer or his Representative and subject to subsequent testing as may be required by the Engineer or his Representative. The Engineer shall exercise his sole discretion to accept any such materials. Contractor to supply all materials as per requirement of the Engineer or his representative
- 5.5 Unless stipulated otherwise in the contract all materials, workmanship and method of measurement shall be in accordance with the relevant Codes (Latest Revision) of the Bureau of Indian Standards and the written instructions of the Engineer or his Representative. Where no specific reference is available in the contract, the material and workmanship shall be of the best of their respective kinds to the satisfaction of the Engineer. Materials & Works
- 5.6 Samples shall be prepared and submitted for approval of the Engineer or his representative, whenever required to do so, all at the Contractor's cost. Contractor to submit samples for approval
- Unless stipulated otherwise in the contract, the cost of any test required by the Engineer or his representative in respect of materials and workmanship deployed on the work, shall be borne by the Contractor. Contractor to arrange all testing at his own cost.
- 5.8 Regarding the supply of any materials by the Trustees to the contractor in accordance with the contract, the following conditions shall apply :
- (a) The Contractor shall, at his own expense, arrange for transporting the materials from the Trustees' Stores, watching, storing and keeping them in his safe custody, furnishing of statement of consumption thereof in the manner required by the Engineer or his representative, return of surplus and empty container to the Trustees' Stores as per the direction of the Engineer or his Representative. The Contractor shall account for and look after the Trustees' materials
- (b) Being the custodian of the Trustees' materials, the contractor shall remain solely responsible for any such materials issued to him and for any loss or damage thereof for any reason other than "Excepted Risks", the Contractor shall compensate the Trustees' in the manner decided by the Engineer and shall at no stage remove or cause to be removed any such material from the site without his permission in writing. Contractor to compensate for loss and damage to Trustees' materials
- (c) The Trustees' materials will generally be supplied in stages and in accordance with the rate of progress of work but except for grant of suitable extension of completion time of work as decided by the Engineer. The Contractor shall not be entitled to any other compensation, monetary or otherwise, for any delay in the supply of Delay in supply of Trustees' materials will only entitle the Contractor for

Trustees' materials to him. The Contractor shall, however, extension of communicate his requirement of such materials to the Engineer from completion time time to time. of work

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- (d) Unless stipulated otherwise in the contract, the value of the Trustees' materials issued to the contractor shall be recovered from the contractor's bills and/or any of his other dues, progressively according to the consumption thereof on the work and/or in the manner decided by the Engineer or his representative and at the rate/s stipulated in the contract. These rates shall only be considered by the contractor in the preparation of his tender/offer and these will form the basis of escalation/variation, if in future the contractor is required to procure and provide any such material on the written order of the Engineer consequent on the Trustees' failure to effect timely supply thereof. Recovery from Contractor for Trustees' materials under normal circumstances
- (e) If the Engineer decides that due to the contractor's negligence, any of the Trustees' materials issued to the contractor has been – (i) lost or damaged, (ii) consumed in excess of requirement and (iii) wasted by the contractor in excess of normal wastage, then the value thereof shall be recovered from the contractor's bills or from any of his other dues, after adding 19 ¼% extra over the higher one of the followings - Recovery from Contractor for Trustees' materials under other circumstances.
- (1) The issue rate of the materials at the Trustees' Stores and
  - (2) The market price of the material on the date of issue as would be determined by the Engineer.
- 5.9 The Engineer or his Representative shall have the power to inspect any material and work at any time and to order at any time – (I) for removal from the site of any material which in his opinion is not in accordance with the contract or the instruction of the engineer or his representative, (ii) for the substitution of the proper and suitable materials, or (iii) the removal and proper re-execution of any work which in respect of material and workmanship is not in accordance with the contract or the instructions of the Engineer. The Contractor shall comply with such order at his own expense and within the time specified in the order. If the contractor fails to comply, the Engineer shall be at liberty to dispose any such materials and re-do any work in the manner convenient to the Trustees by engaging any outside agency at the risk and expense of the contractor and after giving him a written prior notice of 7 days. Contractor to replace materials/work not acceptable to the Engineer or his Representative
- 5.10 No work shall be covered up and put out of view by the contractor without approval of the Engineer or his Representative and whenever required by him, the contractor shall uncover any part or parts of the work or make openings in or through the same as may be directed by the Engineer or his representative from time to time and shall Contractor to seek approval of Engineer or his Representative before covering

reinstate or make good those part of works thus affected to the satisfaction of the Engineer, all at the cost of the contractor. 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.

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

- (a) otherwise provided for in the contract, or
- (b) necessary by reason of some default on the part of the contractor, or
- (c) necessary by reason of climatic conditions on the site, or
- (d) necessary for proper execution of the works or for the safety of the works or any part thereof.

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

- 5.11. 1 If at any time before or after commencement of the work the Trustees do not require the whole of the work tendered for the Engineer shall notify the same to the contractor in writing and the contractor shall stop further works in compliance of the same. The Contractor shall not be entitled to any claim for compensation for underived profit or for such premature stoppage of work or on account of curtailment of the originally intended work by reason of alteration made by the Engineer in the original specifications, drawings, designs and instructions.

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

shall commence from the date mentioned in such certificate so far as the completed portion of the work is concerned.

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### 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
- Recording of measurements

token of acceptance of all such measurements, recorded above and prior to such signature. If the Contractor or his Agent fails to participate even after 3 days written notice from the Engineer's Representative, the measurement shall be taken ex-parte by the Engineer's Representative and those shall be accepted by the Contractor.

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



protected areas in the Docks, the contractor shall submit an Indemnity Bond in the proforma and manner acceptable to Trustees' whereby the contractor shall indemnify the Trustees against all financial loss/damage, on account of loss/damage to such materials for whatever reasons,

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(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,  | Interest not admissible to Contractor |

owing to dispute or otherwise or for any delay on 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

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- 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" subsequent written confirmation of such verbal order shall be deemed to be an order in writing within the meaning of this clause. Where written order for variation is not needed
- 7.5 (a) The Contractor shall not be entitled to any claim of extra or additional work unless they have been carried out under the written Payment for extra or

orders of the Engineer.

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

additional, or  
omitted work  
or substituted  
work,  
Engineer's  
powers

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- (d) If the nature or amount of any omission or addition relative to the nature or amount of the whole of the contract work or to any part thereof shall be such that, in the opinion of the Engineer, the rate of prices contained in the contract for any item of the works or the rate as evaluated under sub-clauses (b) and (c) of this clause, is by reason of such omission or addition rendered unreasonable or in-applicable, the Engineer shall fix such other rate or price as he deems proper and the Engineer's decision shall be final, binding and conclusive.

#### 8.0 DELAY / EXTENSION OF COMPLETION TIME / LIQUIDATED DAMAGE / TERMINATION OF CONTRACT

- 8.1 Should the quantum of extra or additional work of any kind or delayed availability of the Trustees' materials to be supplied as per contract or exceptionally adverse climatic conditions and natural phenomenon or strikes, lock-outs, civil commotion or other special circumstances of any kind beyond the control of the Contractor, cause delay in completing the work, the contractor shall apply to the Engineer in writing for suitable extension of completion time within 7 days from the date of occurrence of the reason and the Engineer shall thereupon consider the stated reasons in the manner deemed necessary and shall either reject the application or determine and allow in writing the extension period as he would deem proper for completion of the work with or without the imposition of "Liquidated Damage" Clause (No.8.3 hereof) on the Contractor and his decision shall be final and binding on the Contractor. If an extension of completion time is granted by the Engineer without imposition of liquidated damage, from the Clause No.8.3 of the

Extension of  
completion time

Liquidated damage shall apply from its date of expiry, if the work be not completed within the extended time, unless stated otherwise in the decision communicated by the Engineer, as aforesaid.

- 8.2 (a) If the Contractor fails to complete the work within the stipulated dates or such extension thereof as communicated by the Engineer in writing, the Contractor shall pay as compensation (Liquidated Damage) to the Trustees and not as a penalty, ½% (half percent) of the total value of work (contract piece) as mentioned in the letter of acceptance of the tender/offer, for every week or part thereof the work remains unfinished. Provided always that the amount of such compensation shall not exceed 10% of the said value of work. The amount of Liquidated damages shall be determined by the Engineer, which shall be final and binding.
- ‘Liquidated Damage’ and other compensation due to Trustees

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- (b) Without prejudice to any of their legal rights, the Trustees shall have the power to recover the said amount of compensation/damage in Sub-clause (a) of this clause, from any money due or likely to become due to the Contractor. The payment or deduction of such compensation/damage shall not relieve the Contractor from his obligation to complete the work or from any of his other obligations/liabilities under the contract and in case of the Contractor’s failure and at the absolute discretion of the Engineer, the work may be ordered to be completed by some other agency at the risk and expense of the Contractor, after a minimum three days notice in writing has been given to the Contractor by the Engineer or his Representative.
- 8.3 Without being liable for any compensation to the Contractor, the Trustees may, in their absolute discretion, terminate the contract and enter upon the site and works and expel the Contractor there from after giving him a minimum 3 days’ notice in writing, due to occurrence of any of the following reasons and decision of the Trustees in this respect, as communicated by the Engineer shall be final and conclusive :
- Default of the Contractors remedies & powers/Termination of Contract.
- (i) The Contractor has abandoned the contract.
- (ii) In the opinion of the Engineer, either the progress of work is not satisfactory or the work is not likely to be completed within the

agreed period on account of Contractor's lapses.

- (iii) The Contractor has failed to commence the works or has without any lawful excuse under these conditions has kept the work suspended for at least 15 days despite receiving the Engineer" or his Representative" written notice to proceed with the work.
- (iv) The Contractor has failed to remove materials from site or to dismantle or demolish and replace work for 7 days after receiving from the Engineer or his representative the written notice stating that the said materials or work were condemned and rejected by him under these conditions.
- (v) The Contractor is not executing the works in accordance with the contract or is persistently or flagrantly neglecting to carry out his obligations under the contract.
- (vi) Any bribe, commission, gift or advantage is given, promised or offered by or on behalf of the contractor to any officer, servant or representative of the Trustees or to any person on his or their behalf in relation to the obtaining or to the execution of the contract.
- (vii) The Contractor is adjusted insolvent or enters into composition with his creditors or being a company goes into liquidation either compulsory or voluntary.

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- 8.3.1 Upon receipt of the letter of termination of work, which may be issued by the Engineer on behalf of the Trustees, the Contractor shall hand over all the Trustees' tools, plant and materials issued to him at the place to be ascertained from the Engineer, within 7 days of receipt of such letter.
- 8.3.2 In all such cases of Termination of work, the Trustees shall have the power to complete the work through any other agency at the Contractor's risk and expense and the Contractor shall be debited any sum or sums that may be expended in completing the work beyond the amount that would have been due to the Contractor, had he duly completed the work of the work in accordance with the contract.
- 8.3.3 Upon termination of contract, the Contractor shall be entitled to receipt payment of only 90% of the value of work actually done or materials actually supplied by him and subject to recoveries as per contract, provided the work done and materials conform to specifications at the time of taking over by the Trustees. The payment for work shall be based on measurements of actual work done and priced at approved contract rates or other rates, as decided by the Engineer. The payment for materials supplied shall be at the rates as decided by the Engineer, which shall in no case be more than market rates prevailing at the time of

taking over by the Trustees. The Engineer's decision in all such case shall be final, binding and conclusive.

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

## 9.0 MAINTENANCE AND REFUND OF SECURITY DEPOSIT

- 9.1 On completion of execution of the work the Contractor shall maintain the same for a period, as may be specified in the form of a Special Condition of the Contract, from the date mentioned in the Initial Completion Certificate in Form G.C.1. Any defect/fault, which may appear in the work during aforesaid maintenance period, arising, in the sole 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.

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- 9.2 The Contractor shall not be considered completed and the work shall not be treated as finally accepted by the Trustees, until a Final Completion Certificate in Form G.C.2 annexed hereto shall have been signed and issued by the Engineer to the contractor after all obligations under the Contract including that in the maintenance period, if any, have been fulfilled by the Contractor. Previous entry on the works or taking possession, working or using thereof by the Trustees shall not relieve the Contractor of his obligations under the contract for full and final completion of the work.
- Certificate of final completion
- 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.

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- 10.3.2 The Arbitrator shall be deemed to have entered on reference on the date he issues notice to both the parties fixing the date of first hearing.
- 10.3.3 The time limit within which the Arbitrator shall submit his award shall normally be 4 months as provided in Indian Arbitration Act, 1940 or any amendment thereof. The Arbitrator may, if found necessary, enlarge the time for making and publishing the award, with the consent of the parties..
- 10.3.4 The venue of the arbitration shall be either Calcutta or Haldia as may be fixed by the Arbitrator in his sole discretion. Upon every or any such reference the cost of any incidental to the reference and award respectively shall be in the discretion of the Arbitrator who may determine, the amount thereof or by whom and to whom and in what manner the same shall be borne and paid.

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

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- [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 :  
 with Seal)

(Signature of Bidder

**WITNESS :**

Signature :

Name of the Bidder :

Name : (In  
 Block Letters)

Address :

Address :

Occupation  
:

## 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 EMPLOYEEER 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 forbear to enforce any covenants, contained or implied, in the CONTRACT between EMPLOYER and CONTRACTOR or any other course of remedy or security available to EMPLOYER . The Bank shall not be released of its obligations under these presents by any exercise by EMPLOYER of its liberty with reference to the matters aforesaid or any of them or by reason or any other acts of omission or commission on the part of employer or any other indulgence shown by EMPLOYER or by any other matter or thing whatsoever which under Law would, but for this provision, have the effect of reliving the bank.

The Bank also agreed that EMPLOYER at its option shall be entitled to enforce this Guarantee against the Bank as principal debtor, in the first instance without proceeding against CONTRACTOR and notwithstanding any security or other guarantee that EMPLOYER may have in relation to the CONTRACTOR’S liabilities.



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

Dated, this \_\_\_\_\_ day of \_\_\_\_\_, 2010  
\_\_\_\_\_ at \_\_\_\_\_

#### WITNESSES

\_\_\_\_\_  
(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(IEM):**

- (a) The task of the Monitors shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this pact.
- (b) The Monitors shall not be subject to instructions by the representatives of the parties and shall perform their functions neutrally and independently.
- (c) Both the parties accept that the Monitors have the right to access all the documents relating to the contract.
- (d) As soon as the Monitor notices, or has reason to believe, a violation of this pact, he will so inform the authority designated by the Principal and the Chief Vigilance Officer of Kolkata Port Trust.
- (e) The BIDDER/ CONTRACTOR(s) accepts that the Monitor has the right to access without restriction to all contract documentation of the PRINCIPAL including that provided by the BIDDER/ CONTRACTOR. The BIDDER/ CONTRACTOR will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his contract documentation, if any. The same is applicable to sub-contractors. The Monitor shall be under contractual obligation to treat the information and documents of the Bidder/Contractor/ Sub-contractor(s) with confidentiality.
- (f) The Principal/ Employer will provide to the Monitor sufficient information about all meetings among the parties related to the contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor, the option to participate in such meetings.
- (g) The Monitor will submit a written report to the designated Authority of Principal/ Employer/ Chief Vigilance Officer of Kolkata Port Trust within 8 to 10 weeks from the date of reference or intimation to him by the Principal/ Employer/ Bidder/ Contractor and should the occasion arise, submit proposals for correcting problematic situation. BIDDER/ CONTRACTOR can approach the Independent External Monitor (s) appointed for the purposes of this Pact.
- (h) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or to take corrective action, or to

take other relevant action. The Monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.

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

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

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

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

#### **Section 10 – Pact Duration:**

The pact 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.

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(For & on behalf of the Principal)

---

(For & on behalf of Bidder/Contractor).

(Office Seal)

(Office Seal)

Place :

Date :

Witness 1:

(Name & Address) .....

.....

.....

Witness 2:

(Name & Address) .....

.....

.....

## **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.