



KOLKATA PORT TRUST

KOLKATA DOCK SYSTEM
MECHANICAL & ELECTRICAL ENGINEERING DEPARTMENT
8, Garden Reach Road, Kolkata – 700 043

TENDER DOCUMENT

for

Work : “Supply, Installation ,Testing and Commissioning of CCTV Surveillance System at Rabindra Setu (Howrah Bridge) with 4 years AMC post 1 year warranty”

Notice Inviting Tender No.: KoPT/KDS/Mech/SE-I/ADV/496 dated 08.08.2018

- Site inspection followed by pre bid meeting : 20. 08.2018 at 11.00 hrs.
- Start date of submission of e-tender : 21.08.2018 from 10.00 Hrs
- Closing date for e- Tender : 10.09.2018 up to 14.30 hrs.
- Date of opening of Techno commercial bid : 11.09.2018 at 14.30 hrs.

Tender Fee: 1770/- (Non-Refundable)

Chief Mechanical Engineer

TENDER DOCUMENT
KOLKATA PORT TRUST
KOLKATA DOCK SYSTEM

e-TENDER FOR “Supply, Installation ,Testing and Commissioning of CCTV Surveillance System at Rabindra Setu (Howrah Bridge) with 4 years AMC post 1 year warranty”.

NOTICE INVITING TENDER No. KoPT/KDS/Mech/SE-I/496 dated 08.08.2018

TENDER NOTICE:

Mechanical & Electrical Engineering Department of Kolkata Port Trust invites E-Tender under single stage two part system (Part I: Techno-Commercial Bid and Part II: Price Bid) for **“Supply, Installation ,Testing and Commissioning of CCTV Surveillance System at Rabindra Setu (Howrah Bridge) with 4 years AMC post 1 year warranty”.**

Bid Document may be downloaded from KoPT website www.kolkataporttrust.gov.in and CPP Portal. Corrigenda or clarifications, if any, shall be hosted on the above mentioned websites only.

SCHEDULE OF TENDER (SOT)

Work Title	“Supply, Installation ,Testing and Commissioning of CCTV Surveillance System at Rabindra Setu (Howrah Bridge) with 4 years AMC post 1 year warranty”
Tender Inviting Authority	Chief Mechanical Engineer.
TENDER NO.	KoPT/KDS/Mech/SE-I/ADV/496 Dated 08.08.2018
MODE OF TENDER	e-Procurement System (Online Part I - Techno-Commercial Bid and Part II - Price Bid through CPP portal) https://eprocure.gov.in/eprocure/app The intending bidders are required to submit their offer electronically through NIC's CPP Portal for e-Procurement (GePNIC). No physical tender is acceptable by Kolkata Dock System.
Estimated Value of Work	Rs. 1,39,57,355/- (Rupees One Crore Thirty nine Lakh Fifty seven Thousand Three Hundred Fifty five only)
Date of NIT available to parties to download	10.08.2018 at 12:00 hrs.
Date and time of Pre-Bid Meeting and site inspection	20.08.2018 at 11:00 hrs.
i) Earnest Money Deposit	The intending bidders should submit Earnest Money of Rs 2,79,148/- (Rupees Two Lakh Seventy nine Thousand One Hundred Forty eight only) to KoPT in the form of Demand Draft/Banker's Cheque/Pay Order from any of the Nationalized/Scheduled Banks in India having branch in Kolkata drawn in favour of “Kolkata Port Trust.

ii) Cost of Tender document	<p>"Cost of Tender document" containing Banker's cheque or Pay Order or Demand Draft from any of the Nationalized/Scheduled Banks in India having branch in Kolkata drawn in favour of "Kolkata Port Trust" of Rs. 1770/- (Rupees One thousand Seven Hundred & Seventy only) as the cost towards purchase of tender document (applicable for downloaded NIT only) or Treasury Receipt of the deposit issued by the Treasurer, Kolkata Port Trust, as the case may be. All Banker's cheques/Pay Orders/Demand Drafts should be drawn in favour of "Kolkata Port Trust" on any nationalized/Scheduled bank having branch in Kolkata.</p>
Last date of submission of Tender Document Fee and Earnest Money	<p>10.09.2018 up to 11.00 hrs. <u>Maximum Three working days after the last date of closing of online bidding for the e-tender</u></p>
<p>Date of Starting of e-Tender for submission of on line (Techno-Commercial Bid and price Bid) at CPP portal https://eprocure.gov.in/eprocure/app</p>	<p>21.08.2018 at 10:00 hrs.</p>
Date of closing of online e-tender for submission of Techno-Commercial Bid & Price Bid.	<p>10.09.2018 at 14:30 hrs.</p>
Date and time of opening of Part-I (i.e. Techno-commercial Bid after confirmation of submission of Tender Document Fee and Earnest Money Deposit).	<p>11.09.2018 at 14:30 hrs.</p>
Date and time of opening of Price Bid (Part-II). Bidders shall be informed separately.	<p>To be informed separately.</p>

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Instructions to Tenderers

This is an e-procurement event of Kolkata Port Trust. The e-procurement service provider is NIC's CPP Portal for e-Procurement (GePNIC).

You are requested to read the terms & conditions of this tender before submitting your online tender. Tenderers who do not comply with the conditions with documentary proof (wherever required) will not qualify in the Tender for opening of price bid.

1.	<p>Online tenders through NIC's CPP Portal for e-Procurement (GePNIC) mode are invited by Kolkata Port Trust from GST registered domestic Contractors for executing the work.</p> <p>The tender document through NIC's CPP Portal for e-Procurement (GePNIC) is open from 21.08.2018 (10:00 hrs) to 10.09.2018 (14:30 hrs) and can be downloaded from the official website of KoPT and through NIC's CPP Portal for e-Procurement (GePNIC).</p> <p>The complete tender document can be downloaded from Kolkata Port Trust website: www.kolkataporttrust.gov.in and NIC's CPP Portal for e-Procurement (GePNIC) and bidders are required to submit tender offer through NIC's CPP Portal for e-Procurement (GePNIC) on or before the due date and time of submission. The tenderer shall upload the scanned copy of the DD instruments towards the cost of EMD and bid documents set as proof of payment towards EMD and cost of Bid documents while submitting the tender electronically in the NIC's CPP Portal for e-Procurement (GePNIC).</p> <p>The tender offer shall have to be submitted by the Tenderer only through NIC's CPP Portal for e-procurement (GePNIC) mode as explained in the tender document.</p>
2.	<p>The Techno-commercial Bid and the Price Bid shall have to be submitted online at https://eprocure.gov.in/eprocure/app</p> <p>(A). Part – I (Techno-Commercial bid): Would be opened electronically on specified date and time as given in the NIT. Bidder(s) can witness the opening of Techno-commercial Bid electronically.</p> <p>(B) Part – II (Price bid): Would be opened electronically of only those bidder(s) whose Part – I Techno-Commercial bid are acceptable by KoPT. Such bidder(s) will be intimated the date of opening of Part II (Price bid) through valid e-mail confirmed by them.</p> <p>The tenderers are advised to offer their best possible rates. There would generally be no negotiations. Bidders are requested to submit their most competitive prices while submitting the price bid.</p>
3.	<p>All entries in the tender should be entered in online Technical & Commercial Formats without any ambiguity.</p>

4.	<p>In case of any clarification, please contact KoPT (before the scheduled time of the e- tender). Contact person (KoPT): 1. Mr. Sourav Mitra Dy.Chief Mechanical Engineer-II Mobile No. 9674720040 Email: souravmitra@kolkataporttrust.gov.in</p> <p>2. Mr. Santanu Kr. Das Superintending Engineer (Elect)-I Mobile No. 9674720037 santanudas@kolkataporttrust.gov.in</p>
5.	<p>All notices /corrigendum and correspondence to the bidder(s) 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 stage of registration of vendor with NIC's CPP portal (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>(e). MSEs registered with NSIC under Single Point Registration scheme/DIC are exempted from depositing Tender Fee and Earnest Money. But all the NSIC/DIC registered firms are not exempted from depositing Tender Fee and Earnest Money. Only those firms, having documents of such exemption for the entire tendered work (as per the Bill of Quantity) would be exempted. Documentary evidence must be uploaded for claim of such exemption, failing which their tender would be summarily be rejected.</p> <p>(f). The process involves Electronic Bidding for submission of Tender Document Fee and EMD, Techno- Commercial Bid as well as Price Bid.</p> <p>(g). The e-tender floor shall remain open from the pre-announced date & time and for as much duration as mentioned above.</p> <p>(h). All electronic bids submitted during the e-tender process shall be legally binding on the bidder. Any bid will be considered as valid bid if it fulfills all the terms and conditions of the Tender Document.</p> <p>(i). 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>(j). 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>(k). 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 and conditions for the tender.</p> <p>(l). Unit of Measure (UOM) is indicated in the e-tender Floor. Rate to be quoted in Indian Rupee Currency as per UOM indicated in the e-tender floor/tender document.</p>

8.	The e-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 bidders <u>must upload</u> all the documents required as per Pre-qualification criteria and the documents enlisted under techno-commercial bid and Price-bid, failing which the tender shall lead to disqualification. Any other document uploaded which is not required as per the terms of the NIT shall not be considered.
12.	The bid will be evaluated based on the filled-in technical and commercial formats uploaded.
13.	The documents uploaded by bidder(s) will be scrutinized. In case any of the information furnished by the bidder is found to be false during scrutiny, EMD of defaulting bidder(s) will be forfeited. Punitive action including suspension and banning of business can also be taken against defaulting bidders.
14	Price bid must be filled-up in EXEL Sheet in CPP PORTAL (which is uploaded by KoPT)

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Terms and Conditions of Tender

Pre-qualification Criteria of the Bidders

The intending Tenderers shall satisfy the following conditions with supporting documents:

i) The firms must have average annual financial turnover during the last three years ending 31st March 2017, of the previous financial year of at least 30% of the estimated cost.

ii) The firms must have either of the following as experience of having successfully completed similar works during last seven years, ending on last day of month, previous to the one in which applications are invited:

a) Three similar completed works costing not less than 40% of the estimated value.

Or

b) Two similar completed works costing not less than 50% of the estimated value.

Or

c) One similar completed work costing not less than 80% of the estimated value.

Here “**similar works**” means “**Supply, Installation, testing and commissioning of IP based CCTV surveillance system using Wireless Networks along with its associated accessories & allied works**”.

Bidder must be OEM or authorized dealer or authorized system integrator of the IP based CCTV surveillance system offered by the bidder. Bidders have to upload documentary evidence in their support.

Work experience as a subcontractor or supply contractor shall not be considered as requisite qualification. The Tenderer shall have to upload documents (certified copy), viz. order letter and proof of execution to establish his credentials.

OTHER INSTRUCTION:

1. Tender Fee and Earnest Money or NSIC /DIC Certificate, if applicable, are to be uploaded and must be physically submitted to the Chief Mechanical Engineer, Mechanical and Electrical Engineering Department, Kolkata Port Trust, 8, Garden Reach Road, Kolkata -700 043, failing which techno-commercial bid will not be opened. Details of which are as under -

(a) Demand Draft/Pay Order/ Banker's Cheque from any Scheduled/ Nationalized Bank in original, for Rs. 1770/- (Rupees One Thousand Seven Hundred & Seventy only) as cost of Tender Document.

(b) Demand Draft/Pay Order/ Banker's Cheque from any Scheduled/ Nationalized Bank in original, for Rs.2,79,148/- (Rupees Two Lakh Seventy nine Thousand One Hundred Forty eight only) as Earnest Money Deposit.

(c) NSIC/DIC Certificate in case of Micro and Small Enterprises (MSEs) registered with NSIC (under single point Registration Scheme)/DIC having valid certificate.

2. In addition to above as mentioned in Sl.No.1, following documents are to be **UPLOADED** :--
- (i) Last three years balance sheet and profit & loss account in support of Annual Financial turnover (i.e. 2014-15, 2015-16 and 2016-17), and the same should be audited as per relevant norms wherever required.
 - (ii) Self attested documentary evidence of successful completion of similar work as proof of fulfilling the Pre-qualification Criteria of the tender.
 - (iii) Copies of self attested valid GST Registration Certificate.
 - (iv) Copy of self attested ESI registration certificate, OR an affidavit before a first class judicial magistrate as per the format given in Annexure-G (in case the Tenderer is not covered under ESI Act or exempted from it). The tenderers, if not covered under ESI Act, shall, additionally, indemnify KoPT against all damages and accidents to his labourer in a non-judicial stamp paper as per the format given in Annexure-H. The contractors should declare and state in the averment in the Affidavit and in the indemnity bond that in case such declaration will be found wrong and false, they will be held responsible for all consequences in respect of compliance of The Employees State Insurance Act 1948.
 - (v) Certified copy of valid Trade License
 - (vi) Copy of self attested PAN Card of the firm / company issued from Income Tax Department.
 - (vii) Statement to confirm the status of the Tenderer – whether a Partnership Firm, Company or Proprietorship Firm. If demanded by KoPT, the tenderer would be bound to furnish necessary documents in support of their statement in this regard.
 - (viii) Copy of valid Professional Tax clearance / Up-to-date Profession Tax Payment challans (if applicable) / else document in support of exemption.
 - (ix) Authorization letter from OEM stating that the tenderer is authorised dealer/distributor/system integrator of the OEM.
 - (x) Proof of possessing valid Employees' Provident Fund (EPF) Account/ PF Registration Certificate.
 - (xi) A separate statement of the tenderer containing full name and office address of the Tenderer, names and designation of the officials of the Tenderer connected with the instant Tender, their land and mobile telephone nos., e-mail id and Fax No. etc. as per enclosed **Proforma (Form-D)**.
 - (xii) Declaration of the tenderer in the form of a COVERING LETTER with certain undertaking and also that they or their associates have not been banned or delisted by any Govt. or Quasi-Govt. agencies or PSUs in India as per enclosed Proforma.
 - (xiii) Details of the firm as per 'Schedule-O' of the tender document.
 - (xiv) A declaration has to be furnished by the tenderer stating (undertaking) that the entire tender document, GCC and addenda has fully been read and understood (Annexure -I).

4. All the documents as mentioned here-in-before shall have to be UPLOADED failing which the related offer may be liable to be cancelled. The tenderer should clearly understand that no information/indication as to price should be entered in the page of "Bill of Quantities" or elsewhere in the Techno-commercial Bid. Indication of price anywhere in any manner in the Techno-commercial part of the tender would lead to rejection of the offer.
5. Please note that there is no provision to take-out the list of parties downloading the tender document from the website mentioned in NIT. As such bidders are requested to see the website once again before the due date of tender opening to ensure that they have not missed any CORRIGENDUM uploaded against the said tender after downloading the tender document. The responsibility of downloading the related CORRIGENDUM, if any, will be that of downloading parties.

Tenderers may note that non-submission of any of the aforesaid documents/non-fulfillment of any of the aforesaid criteria shall lead to disqualification of their offers. No alteration shall be made by the Tenderer in the tender and the tender must be in accordance with the specification. Non conformation to this instruction shall be treated as non responsive & hence may disqualify the tender.

6 Techno-commercial bids will be opened on the schedule date of opening of techno-commercial bid. Price Bids of only techno commercially qualified bidders shall be opened on a suitable date, to be intimated beforehand.

7. The Trustees reserve the right to accept or reject the tender without assigning any reason whatsoever.

8. The Trustees will not be responsible for any cost or expense incurred by the Tenderer in connection with preparation or submission of the tenders.

9. In case of unscheduled holiday, Strike/Bandh etc. on the scheduled date of Site Inspection, Pre-bid Meeting, submission of bids, opening of Techno-commercial or Price Bid, the same time (as per the schedule) on the next working day will be considered as scheduled time for the purpose of Site Inspection, Pre-bid meeting, submission of bids, opening of Techno-commercial or Price Bid, as the case may be. Here, Trustees' working day means Monday to Friday in between 9-30 hrs. to 17-30 hrs.

10. Should there be any doubt or ambiguity as to the meaning of any portion of the tender document or if any further information is required, the same shall be clarified/amended by KoPT in the Site Inspection and Pre-bid meeting. No excuse of ignorance in this regard shall be accepted at a later date after the Pre-bid meeting. In the event of making any important clarification or amendment of terms of the tender, pursuant to the discussion in the Pre-bid meeting, the same shall be immediately hosted in KoPT's website for information of all concerned and the same shall form a part of the Tender Document. Any offer having deviation from KoPT's terms and conditions shall render such offer unacceptable to KoPT. No alteration shall be made by the Tenderer in the tender document and the offer must be in accordance with the terms and conditions of the tender. The prospective tenderers may inspect the site prior to the date of Site Inspection and Pre-bid meeting in order to make themselves fully aware of the work, site and scope of work as mentioned in the Bill of Quantity as per tender. For attending the Pre-bid Meeting, the representatives of the tenderers should accompany proper authorizations letters from their respective organizations.

11. The rate quoted in the tender shall hold good and shall be binding on the tenderer notwithstanding any increase in the prices of the materials and labour or in the freights or levy or other charges whatsoever and the tenderers shall not be entitled to claim any increase over the rates quoted by them during the pendency of the contract.

12. **Validity of offer:** The quoted rates would be kept valid for **120 days** from the date of opening of the 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 to be forfeited.

13. The tenderers shall distinctly understand that they will be strictly required to conform to all the terms of the tender and the plea of custom prevailing will not in any case be accepted as an excuse on their part for infringing of any of the conditions and they shall refrain from sending revised or amended quotations, after the closing date and time of the tender.

14. Evaluation criteria:

(i) A fully priced bill of quantities duly totaled shall be submitted with the tender. A price shall be inserted against each item of the bill of quantities and these prices shall include all manner of labour, material plant tools and all other matters necessary for the execution of the contract in accordance with the General Conditions of Contract, specifications, drawings, if any, and bill of quantities.

(ii) If it is found on examination of a tender that there is a discrepancy between the total amount inserted in the bill of quantities and the amount arrived at by valuing the quantities set out therein with the rates and prices set against them, by the tenderer, calculation for the total amount will be made on the basis of Unit Rates multiplied by quantities. Evaluation of the tender will be done on the basis of the total price thus arrived including all charges excluding GST as applicable.

The tenderer must not keep any column/space blank in any item under BOQ; else the tender is liable for disqualification.

(iii) The price offer should be exclusive of GST and any statutory levies and or other charges levied by any central/state/local authorities. GST and any other extra charges/statutory levies will be paid extra at applicable rates at the time of supply of goods and services.

15. If excess work is required to be carried out in addition to the quantities stipulated in BOQ, the amount will be paid as per unit rate quoted in BOQ as per actual measurement. In case of extra work, the same will be paid as per rate of PWD schedule rate/ rate of reputed manufacturer/market rate with justification of rates as the case may be.

16. The contract document shall be drawn in English language only.

17. The contract shall be governed by all relevant Indian Acts as applicable only within the jurisdiction of High Court of Kolkata, West Bengal, India including the Acts like The Indian Contract Act, The Major Port Trusts Act, The Workmen's Compensation Act, The Minimum Wages Act, The Contract Labour (Regulation & Abolition) Act, The Dock Worker's Act, The Indian Arbitration & Conciliation Act, The Dock Safety Regulations, Act(s) or any other act, law, rule as may be applicable. Payment to the labourers to be made as per the minimum wage rate 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 along with EPF /ESI and other statutory benefits, if applicable.

It will be the duty of the contractor to abide by the provisions of the Act, Ordinances, Rules, Regulations, Bye-laws and procedures as are lawfully necessary in the execution of the works. The

contractor will be fully responsible for any delay / damages etc. and keep the Engineer indemnified against all penalties and liabilities of any kind of noncompliance or infringement of such Acts, Ordinances, Rules, Regulations, Bye-laws and procedures.

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 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.

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Special Conditions of Contract

1. The Tenderer shall carefully examine the whole tender document and shall visit and inspect the site on his own, obtain all information, which may be necessary for the purpose of the tender/offer. The Tenderer is advised to acquaint himself with the job involved at the site, laws and bye-laws enforced by the Govt. and other statutory bodies. No excuse of ignorance as to site condition and local information will be accepted. All costs/charges/expenses that may be incurred by the Tenderer in connection with the preparation of his tender shall be borne by the Tenderer and KoPT accepts no liability in this regard.
2. Disclosure/indication of price in Techno-commercial part of the tender shall be liable to be disqualified.
3. Any quotation received for part supply or of doing a portion of the work with responsibility for carrying out remaining works by the Trustees, will not be considered.
5. No alteration shall be made by the Tenderer in the tender and the tender must be in accordance with the specification. Non conformation to this instruction shall be treated as non responsive & hence may disqualify the tender.
6. The contract shall be governed by the Indian Contract Act and all payments due to the Contractor under the Contract shall be made in India in Rupee Currency. No foreign exchange is payable on this contract.
7. The Contractor shall take adequate insurance cover for persons to be deployed for execution of this contract. The Contractor shall at his own expenses pay compensation for any injury, loss or reinstate and make good to the satisfaction of KoPT for loss or damage accrued to any property or rights of KoPT whatever, including KoPT's agents/ servants/ employees, or any third party arising out of or in any way in connection with the execution or purported execution of the contract and further the contractor shall indemnify KoPT against all claims enforceable against KoPT (or agents/servants/employees of KoPT) or which would be so enforceable against KoPT where KoPT is a private person, in respect of any such injury (including injury resulting to death), loss or damage to any person whomsoever or property including all claims which may arise under the Workmen's Compensation Act or otherwise.
8. Attention of the tenderer is drawn to clause no 3.4, 3.5, 3.6 of GCC regarding earnest money & security deposit and clause no.8 regarding delay/extension of time /LD / Termination of contract including GCC.
9. The tender shall remain valid for acceptance for a period of 120 days from the date of opening the Techno-commercial Bid. In the event of tenderer withdrawing their tender before the expiry of tender validity period of 120 days from the date of opening of the Techno-commercial Bid, the offer of such tenderer shall be cancelled and EMD deposited by them shall be forfeited. If tender process could not be finalized within 90 days, the EMD's to be revalidated accordingly.
10. Successful Tenderer shall be in all cases responsible for the execution of the work in accordance with the General Conditions of Contract. Specifications, Drawings if any, and the Bill of Quantities which the tenderer shall be deemed to have examined.
11. KoPT reserves the right to disqualify any offer, in case they are satisfied that any bribe/commission, gift or advantage has been given, promised or offered by or on behalf of any of

the Tenderers to any officer, employee or representative of KoPT or any other person on his or their behalf in relation to the acceptance of this tender.

12. The Tenderer shall disclose the names of their Partners /Directors/ Members in the manner stipulated in this tender document. Any change in the composition of the same during subsequent stage of tender finalization as well as during the period of execution of the contract shall be immediately notified in writing to KoPT. In the event of any Tenderer failing to comply with the aforesaid requirement, the tender/ contract, if entered into, may be terminated.

13. At any time, prior to the last date of submission of Tenders, KoPT reserves the right to amend and modify the Tender Document. Such amendment shall be hoisted in CPP Portal as well as in KoPT's Portal and KoPT would in no way be responsible for any likely ignorance of any prospective Tenderer in this regard. Such amendment/ modification shall form part of the Tender and shall be binding upon all the Tenderers. KoPT may, at its discretion, alter any of the major dates like pre-bid meeting, last date of submission and date of opening of the Tender etc. to enable the Tenderer(s) to have reasonable time to submit their offer after taking into consideration such amendment / modification.

14. The Tenderer should note that the plea of custom prevailing will not in any case be admitted as an excuse on their part for infringing any of the conditions of the tender.

15. The Contract shall be governed by all the acts as listed under Clause No. 4.1 of the General Conditions of Contract and also by all other relevant Acts/Laws/ Regulations/Bye-laws/Statutory Requirements as may be in vogue as well as any amendment thereof, if any, in executing the tender and during the pendency of the contract. It will be the sole responsibility of the Contractor to comply with the same.

16. While submitting tender, the conditions of tender, the general conditions of contract and specifications, drawings etc. shall be read in conjunction with the bill of quantities.

17. **Completion time: 32 weeks from the date of placement of order letter.**

18. The tenderer/s shall not rely merely on the descriptions given on the bill of quantities. The quantities shown on the bill of quantities are approximate only and the actual quantities will be intimated when formal order will be placed. If when preparing the tender documents, the tenderer feels that any essential item has been omitted from the bill of quantities the prices of which cannot be conveniently included under any other item, the tenderer shall request the Engineer to insert a suitable item at the time of Pre-bid meeting. Should the tenderer omit to mention the price of any item in the bill of quantities, the tender may be treated as cancelled.

19. The tenderer/s shall distinctly understand:-

- a. that they will be strictly required to conform to the General Conditions of Contract and Specification as contained in each of its clause;
- b. Non-acceptance/or non-compliance of any of the above terms and conditions may render the tenders liable to rejection.

20. **Warranty/Defect Liability Period:** The contractor shall make good at his own expenses of all defects, due to faulty design, materials and workmanship, which may develop under proper use during a period of 12 months from the date of commissioning / handing over of the work. Should any difference of opinion arise on any of the provisions of this clause, the decision of the Engineer shall be final and binding. In default, the Trustees will be at liberty

to get the repairs done and reimbursed themselves so far as costs therefore are concerned out of the amount lying with them as security deposit so far as that is practicable. If the costs of such repairs exceeding the amount of security deposit, the Contractor shall pay the balance to the Trustees forthwith on demand. Where the Contractor has submitted bank guarantee in lieu of cash security money, the cost of such repairs will be payable to the Trustees forthwith on demand.

21. **Safety:** The Contractor shall take adequate safety precautions for prevention of accidents at site. The Contractor shall ensure that his employees observe the statutory safety rules and regulations

All the employees against the contract shall have to be sufficiently insured by the contractor for any accident in connection with this work including working at any places at high altitude on the Rabindra Setu Structure during the entire pendency of the contract.

In addition to above, the contractor shall also have to take-up Public Liability Insurance for an amount not less than Rs.10 lacs during the pendency of the contract.

No reimbursement for these insurances shall be made by KoPT and as such the tenderer shall make necessary provisions in his quoted rate

22. **Permission from statutory bodies:** The Contractor shall make arrangement from his own cost for obtaining permission and relevant clearance from the statutory bodies such as Municipal Corporation, Electricity Authorities etc. on payment of necessary charges/fees etc. by the bidder.

23. **Drawings:** On completion of all work, the Contractor shall furnish three copies of all "As made" drawings including CCTV position, Antenas, POE's and other accessories to the Engineer without any cost.

24. **Testing and commissioning:** Before each test, the Contractor shall obtain permission from the Engineer and all tests shall be conducted in presence of duly authorized representative and the Electrical Inspector wherever it is necessary. Record of each test shall be prepared after the test and this record shall be signed by the Contractor's representative conducting the test. Copies of those records in quadruplicate shall be submitted to the Engineer. A certificate in quadruplicate shall be furnished by the Contractor countersigned by his certified Supervisor under whose direct supervision the installation has been carried out. The Testing & Commissioning and its related charges are to be borne by the Contractor at his own cost.

25. **Identification mark:** For identification of various equipment letter/figure writing of sizes varying from 12 mm. to 75 mm. with enamel paint of approved shade /standard ferules are to be carried out at the expenses of the contractor as per directive of Engineer.

26. The tenderer must produce evidence with his tender that he and his proposed sub-contractors have had experience and fully capable of carrying out work of this class and magnitude and by way of proof shall submit along with his tender under Schedule 'O' a list of important works of a similar nature successfully carried out by him giving the dates of commencement and completion of such works and full particulars of his business organization.

27. **Cleaning during execution and after completion :-**

Any damage done to the structures during execution of work should be made good by the contractor at his own cost. 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. 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 material found during the course of construction at the work site or its vicinity to KoPT store/yard, 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.

28. Protection of existing service :

The contractor must pay full attention to the fact that the existing service facilities for KoPT are not disturbed at any time due to storing of materials and rubbish and take every precaution to keep the entrance passage clear is the same are being used by the labourer. The contractor shall be held liable for all damage and inference to the existing service/structures caused by him in execution of works. Should any damage be done to the existing service/structures 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 from his running account bill for which Engineer's decision shall be final & binding.

29. Forwarding of Materials

All dismantled unserviceable materials are to be disposed off beyond the office compound and in conformity with the Municipal/corporation Rule at the contractor's own cost. The contractor shall have to arrange transport for forwarding the saleable/ unusable/ defective/ usable materials that may be found during the process of execution of the work to the Trustees sales yard or any other site/ Godown including labour, transportations, loading, unloading all complete as per the direction of the Engineer.

30. The Contractor shall arrange all necessary tools, tackles, equipment, measuring & testing equipment etc. required for the repair & maintenance work at no extra cost to Kolkata Port Trust.
31. The contractor shall start the work on "As-is-where-is" basis.
32. The Contractor shall arrange the services, if any, required from indigenous/ foreign companies at no extra cost to Kolkata Port Trust.
33. Contractor shall have to arrange security of their stock etc., if considered necessary and related coverage at his cost.
34. The stores/equipment/plant/machineries shall strictly conform to the tender specifications and shall be capable of satisfactorily performing the duties intended for in the specification.
35. Electricity will be provided free of cost from nearest available source for carrying out the works, if necessary. Water and Toilet facility, as available within the premises, shall be extended to the Contractor's men free of cost.
36. The contractor or his employees shall not use the premises allotted to him for any purpose other than for carrying out the work allotted as per the contract and shall not act in any manner as to cause any nuisance or annoyance to KoPT or the participants /visitors at the port
37. The tenderer/s shall submit manufacturers Test Certificates for all the bought-out items envisaged in the equipment.
38. The tenderer/s shall afford all facilities to the Engineer at their own arrangement for

inspection and demonstration of the equipment, quoted for.

39. All equipment covered under this tender must be available from indigenous sources and the tenderer/s shall confirm that spares will be available freely at least for a period of 5 years from the date of commissioning. No foreign exchange will be made available.
40. The equipment shall be supplied and delivered at the specified site.
41. The Contractor shall supply, bound into suitable folder two sets of operating and maintenance & fault finding manual for use by the Engineer with three sets of complete general lay out, assembly drawings and illustrated spare parts catalogue for the stores/ plant/ equipment/ item.
42. The stores/equipment/plant/machineries shall strictly conform to the tender specifications and shall be capable of satisfactorily performing the duties intended for in the specification.
43. An agreement shall have to be executed at the expense of the contractor within 15 days from the date of issuance of **Order letter** by successful tenderer on a non-judicial stamp paper of at least Rs. 60/- as per format enclosed with the General Conditions of Contract. All correspondence between the contractor and KoPT and all documents to be submitted from the date of opening of tender till the submission of the Security Deposit should form part of the contract agreement.
44. For erection, if applicable, of the stores/ plant/ equipment/ machineries/ item, all connected work including grouting bolts, Base frame and Bed plate etc. shall be provided by tenderer. During erection all tools and tackles are to be provided by Tenderer. Tenderer should guard all equipments, etc. at site by his own men at his own cost. However, only space for keeping the materials for execution of the work may be provided by Kolkata Port Trust on free of cost basis.
45. The contract shall be drawn up in English language only.
46. The firm /contractor shall at all times, during the continuance of agreement, obey and observe all direction and instruction given by the Engineer or his authorized officials.
47. The contract may be terminated at one month's notice by KoPT if any one of the stipulated conditions agreed upon by the selected bidder is not met to the satisfaction of KoPT. Further, the contract shall stand terminated automatically after completion of the work.
48. The responsibility in respect of the antecedents / Credentials of the persons engaged by the contractor rest with the contractor.
49. All GSTN goods for which supply rate has to be quoted, the contractor shall buy such items from the manufacturer or first stage dealer or second stage dealer and obtain Invoice of such items a/c '**KOLKATA PORT TRUST**' for the 'subject work'. Payment of all such items will be made on production of proper documents. Contractor, however, will be paid for supply items at his quoted rate and not on the basis of actual invoice value of the manufacturer or first stage dealer or second stage dealer. Any purchase for supply items from other sources, not specified, will not be allowed for payment purpose.

50. The tenderer/s shall afford all facilities to the Engineer at their own arrangement for inspection and demonstration of the equipment, quoted for.
51. The tenderer shall along with the tender submit the detailed description of the equipment quoted for and enumerate the aspect of operation and maintenance facilities and shall enclose necessary literature.
52. The equipment shall be supplied and delivered at the specified site at your own cost.
53. All payments like refund of Earnest Money, Security Deposit and all bills of contractors' will be paid through ECS. For this purpose, following details are to be furnished by the tenderer:-
 - i). Name of the bank :-
 - ii). Name of the Branch with Code No. :-
 - iii). Bank account no. :-
 - iv). Type of account :- Saving/Current/Cash Credit
 - v) MICR No :-
 - vi) IFSC Code :-

The account shall have to be with a bank within the ECS zone prescribed by the RBI.
54. The tenderer/s have to fill in the Technical Data. The successful tenderer shall have to supply materials and execute the work as per Technical Data offered by them.
55. All materials are to be supplied progressively as required at site subject to prior approval of Engineer or his representative.
56. During course of examination of techno-commercial Bid, the bidders if asked for shall furnish any or additional documents 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 the NIT shall be opened.
57. **Priority of Contract Documents**
 The several documents forming the Contract are to be taken as mutually explanatory to one another, but in case of ambiguity or discrepancies, the same shall be explained and adjudicated by the Engineer of the Contract (EoC), who shall thereupon issue to the Contractor instructions thereon which will be final and binding on the Contractor. Unless otherwise provided in the Contract, if the stipulations in the various documents forming a part of the Contract are found to be in variation in any respect then, unless a different intention appears, the provision(s) of one will override others (but only to the extent these are at variance) in order of precedence as given in the list below i.e. a particular item in the list will take precedence over all those placed lower down the list:

The following documents of the Contract Agreement will be in the following sequence :-

 - a. Letter of Intent (LoI) / Work Order
 - b. Special Conditions of Contract
 - c. Scope of work and Terms of Payment
 - d. Bill of Quantities
 - e. Instructions to the Tenderer
 - f. General Conditions of Contract
 - g. Any other document(s) forming part of the Contract.

58. **Custodian Certificate** : After delivery at site, the supplied materials are to be verified by KoPT Officials and the custodian certificate is to be issued by the Contractor in this regard, for consumption of such materials in the instant work.
59. **Termination of contract and Risk Purchase Clause** : Will be applicable as per clause No. 8 of KoPT's General Conditions of Contract.
60. **Special / Additional Security** may be arranged by the contractor at the site at no extra cost to KoPT over and above the General Security provided within KoPT premises by Port Security Authority.
61. 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 Engineer, Kolkata Port Trust, thereon shall be final and binding upon all parties. If during the progress of the work it is found that contractor has executed any unsound or imperfect work or has supplied anything inferior in quality to that specified, the deficiencies shall be made good by the Contractor at his own expenses, within 7 days of his receiving the notice or otherwise within such time as may be reasonably necessary for making it good, proceed to alter or supply fresh materials upto the standard of the specifications
62. All other terms and conditions excepting those mentioned separately shall be governed by KoPT's General Condition of Contract.
- 63 TERMS OF PAYMENT**
- (i) Supply items :-**
- 60% payment against supply and delivery of materials / equipment / machineries / items on production of proper purchase documents/challans at site together with required Test Certificates etc. from appropriate authorities including inspection certificate of KoPT's representative, as applicable and on submission of Custodian Certificate.
 - 30% payment against installation and commissioning.
 - 10% payment against testing and handing over of the entire work after completion of work as per NIT.
- (ii) Installation and Commissioning:-**
- 90% payment against installation and commissioning.
 - 10% payment against testing and handing over of the entire work after completion work as per NIT.
- If excess work** is required to be carried out in addition to the quantities stipulated in BOQ, the amount will be paid as per unit rate quoted in BOQ as per actual measurement. **In case of extra work**, the same will be paid as per rate of PWD schedule rate/ rate of reputed manufacturer/market rate, as the case may be

Payment for maintenance period

Payment will be made on pro-rata monthly basis on successful maintenance of the CCTV surveillance system as per schedule. Copies of maintenance job card duly signed by KoPT officials and police officials is to be submitted along with monthly bills.

The breakdown call is to be attended with in 6 hrs of oral/written communication and is to be commissioned within 2 days time there after. In case it is not possible due to valid reasons (major fault, replacement of spare parts not readily available etc.) which is to be acceptable to CME, then the same must be commissioned with in 10 days from the date of breakdown call. Non-acceptance of reasons for delay by CME/non-commissioning of equipments within 10 days will attract penalty and the contractor will have to pay to the trustee @ 0.1% of the AMC value/day for delay from 11th day onwards.

Any defect and / or deficiency in the equipment supplied shall have to be made good by the contractor before any bill is passed for payment. Payment will be made subject to security deposit clause 3.4, 3.5 & 9 of GCC. Payment will be made on the basis of actual measurement.

64. Taxes & Duties: The rate quoted by the tenderer shall be inclusive of all charges excluding GST. GST will be paid extra at applicable rates at the time of supply of goods and services.

Relevant GST Clause:

- i. Supplier/Service Provider to confirm that the GST amount charged in Invoice is declared in its returns and payment of taxes is also made.
- ii. The supplier/service Provider agrees to comply with all applicable GST Laws, including GST acts, rules, regulations, procedures, circulars and interaction there under 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 uploaded in GSTN by supplier/service provider and details available with Kolkata Port Trust, then payment to supplier/service provider to the extent of GST relating to the invoice/s under mismatch may be retained from due payment 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 the Kolkata Port Trust in terms of GST Laws and that the credit of GST taken by Kolkata Port Trust is not required to be reversed at a later date along with applicable interest.
- iii. Kolkata Port Trust has the right to recover mandatory loss including interest and penalty suffered by it due to any non-compliance of tax law 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 consideration payable.
- iv. Supplementary invoices/debit note/credit note for price revision to enable Kolkata Port Trust to claim tax benefit on the same shall be issued by you for a particular year before September of the succeeding financial year.
- v. The purchase order/work order shall be void, if at any point of time you are found to be a blacklisted dealer as per GSTN rating system and further no payment shall be entertained.

65. DETAILED SCRUTINY OF E-TENDERERS:

Documents are to be uploaded:

- (i) GST Registration certificate.
- ii) Valid Trade Licence.
- iii) Valid Professional Tax Clearance Certificate / Upto date tax payment challan(if applicable) / else document in support of exemption.
- iv) Proof of possession of valid Employees' Provident Fund (EPF) Account.
- v) Proof of being registered with Employees' State Insurance Corporation (ESIC) / Affidavit and Indemnity Bond.
- vi) Details of the firm as per Schedule-O (in Volume-I) of the tender document.
- 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) Copies of balance sheet and Profit and Loss account / Trading account for the last 3 (three) financial years **(i.e. 2014 – 2015, 2015 – 2016, 2016-17)** and the same should be audited as per relevant norms wherever required.
- ix) Addendum / Corrigendum / Notice / Extension Notice issued and drawings (if any) duly signed by the Bidder under office seal.
- x) EMD & Cost of Tender documents or NSIC/DIC Registration certificate.
- xi) Certified copies of PAN Card.
- xii) Authorisation letter from OEM .
- xiii) Proforma (Form -D).
- xiv) Covering Letter.
- xv) Statement to confirm the status of the Tenderer – whether a Partnership Firm, Company or Proprietorship Firm. If demanded by KoPT, the tenderer would be bound to furnish necessary documents in support of their statement in this regard.
- xvi) A declaration has to be furnished by the tenderer stating **(undertaking)** that the entire tender document, GCC and addenda has fully been read and understood (Annexure –I).

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 or DIC regn certificate
- (ii) is not accompanied by requisite tender paper cost/NSIC or DIC regn certificate
- (iii) validity of the offer is less than tender stipulation,
- (iv) It does not meet the qualification criteria as stipulated in the NIT.
- (v) The bidder submits conditional offer / impose own terms and conditions / does not accept tender conditions completely / 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 the 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.

SCOPE OF WORK

The scope of work shall be “Supply, Installation ,Testing and Commissioning of CCTV Surveillance System at Rabindra Setu (Howrah Bridge) with 4 years AMC post 1 year warranty”.

The CCTV System shall be designed to operate on 230V, 50Hz single-phase power supply. If any equipment operates on any voltage other than the supply voltage and supply frequency, necessary conversion/correction device for supply may be indicated & supplied along with the equipment. Power supply source to the camera and other outdoor & indoor equipment at site will be drawn from the nearest available power source provided by KoPT. The firms should offer high quality reputed make Cameras that are certified by Underwriter Laboratory (must), FCC or CE. The firms may offer items having higher specifications over and above the minimum generic specifications mentioned in Technical Specifications.

The video data is required to be transmitted through digital wireless RF Link without loss of video quality and not through cable/OFC. The system should allow KoPT officials and Kolkata Police personnel to locally and centrally monitor its facilities from a remote location on a personal computer & LED monitor for at least last 30 days of recording. The system should capture, store, and analyze digital video images to enable central monitoring, increase operational efficiency, reduce liability, minimize risk and secure people & property.

The CCTV system is required to be installed at outdoor locations. Hence, it should meet environmental protection standard such as IP 66 rated protection against dust, heavy rain, humidity, heat, etc. & must be integrated by the camera manufacturer. All cameras are required to be equipped in outdoor weather proof Toughened Housings & Protections in order to withstand in all weather conditions. Further, all the equipment of external fitment like camera enclosure (IP66 or equivalent) and shall be weather proof and the tenderer shall produce relevant certificate.

The wireless networks which operate under ISM license free band frequencies suitable for outdoor applications having integrated and/or external antenna system should be offered. It is **preferable** that the successful tenderer offers frequency band near 5.8 GHz spectrum for highly effective video surveillance services as the lower range frequency band are highly congested by local Wi-Fi devices in proximity.

All the required software and firmware upgrades shall be the tenderer's responsibility without having any additional cost during the 1 year free maintenance period i.e. defect liability period and thereafter 4 years of comprehensive maintenance period. Training at factory/vendor's site to be imparted to KoPT's technical personnel on individual/integrated system operation, maintenance, administration & configuration of various software. Further, adequate user personnel need to be given training on operation of system at vendor's site as well as at KoPT site after acceptance of System. All necessary documents and manuals for system operation and maintenance, at least three sets of each equipment are to be provided.

The tenderer should be the Original Equipment Manufacturer (OEM) of CCTV System or Authorised System Integrator/Authorised Service Provider/Distributor/Dealer of the OEM for the cameras and NVRs . If the tenderer is Authorised System Integrator/Authorised Service Provider/Distributor/Dealer of the OEM, then they should produce authorization letter from their OEM stating that tenderer is authorized for sales, service, installation & commissioning of IP based CCTV system with Day/Night vision cameras for both Fixed Focal & PTZ Dome type Cameras and also shall be supported for technical assistance (for hardware and software) during

the free maintenance period and the comprehensive maintenance period of 4 years. Both IP based PTZ cameras & IP based Fixed cameras should be from same OEM. The tenderer should also submit the authorization from each OEM stating that the items quoted by the tenderer are in production and would be supported for service for at least 5 years from the date of tender. Further, the authorisation letter of OEM should also mention that OEM shall take full responsibility of execution of the work during and after Post Sale Support in the event of Principal Tenderer fails to provide satisfactory execution and maintenance works and same shall be carried out through their other authorised System Integrator/Service Provider/Distributor/Dealer at the risk & cost of principal tenderer. The details pertaining to Post Sales Support should also be submitted. The OEM's of hardware components viz. camera & wireless links should have service centre in India. Details of the same are to be provided along with proposal.

Details of scope of work are given below:

1. Supply, delivery, installation and commissioning of minimum 2 MP, IP based IR PTZ Dome camera having Optical Zoom of minimum 30x complete with wall mount bracket & power supply as per BOQ.
2. Supply, delivery, installation and commissioning of minimum 4 MP, IP based IR bullet camera having IP 66 protection as per BOQ.
3. Supply, delivery, installation and commissioning of minimum 2 MP, IP based IR bullet camera having IP 66 protection as per BOQ.
4. Supply, delivery, installation and commissioning of High Resolution 32 Channel NVR with 54 TB Hard Disk Drive as per BOQ.
5. Supply, delivery, installation and commissioning of High End Professional Display of 42" as per BOQ.
6. Supply, delivery, installation and commissioning 8 Port and 24 Port PoE Gigabite Network Switch as per BOQ.
7. Supply, delivery, installation and commissioning of Wireless antenna access Point supported up to 10 km link having adequate data speed as per BOQ.
8. Supply, delivery, installation and commissioning of 4U & 8U Network rack for POE switches and 30U Network rack for NVRs with Power socket and other accessories as per BOQ.
9. Supply, delivery, installation and commissioning of other Network Accessories including RJ45, Connectors, Patch cord etc. for installation of Cameras, NVRs, antennas etc as per BOQ.
10. Supply, delivery, installation and commissioning of Pole with required accessories for mounting of cameras as per BOQ.
11. Supply, delivery, laying and commissioning of CAT-6 cables
12. Commissioning of the system including VMS software.

Including all appurtenant works as described and set forth in, Bill of quantities, Special Conditions of contract, Technical Specification of works, and 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.

The quantum of cameras is also stated in the BOQ. The location and quantum of cameras may get changed at the time of execution for which payment will be made on actual. However the bidders are advised to make a detail study of the areas for their convenience. The work is urgent in nature and the successful bidder has to accord top priority in execution of the project. No excuse on ignorance as to the site conditions will be entertained.

The contractor shall inspect and examine the site and its surroundings and shall satisfy himself before submitting his tender as to the nature of the site, the quantities and nature of the work and materials necessary for the completion of the work and in general shall obtain all necessary information as to risk, contingencies and other circumstances which may influence or affect his tender. The contractor shall be deemed to have satisfied himself before tendering or to the correctness and sufficiency of his tender for the works and of the rates and prices quoted in schedule of works/items/quantities or in bill of quantities, which rate and prices shall, except or otherwise provided, cover all his obligations under the contract and all matters and things necessary for proper completion and maintenance of the works

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 fire safety and also code of practice for fire safety of buildings (general): Electrical Installations, IS:1646: 1997.

Maintenance Period:

The tenderer shall depute two nos of skilled Technicians capable of attending cameras/antennas/switches etc installed at high altitude of Howrah Bridge . The personnel will be stationed at the control room situated at North Port Police Station during the free maintenance contract period and thereafter the comprehensive maintenance contract period of 4 years. The technicians are to be deployed from 9.00 Hrs to 18.00 Hrs with suitable break ,or the time period of deployment may be decided in consultation with the Kolkata Police personnel deployed there. Suitable reliever is to arranged for the technicians. During both the maintenance period, maintenance personnel of the tenderer shall visit various locations of CCTV Surveillance System for routine as well as breakdown maintenance as per the requirement of KoPT.

The tenderer shall arrange for 1 two wheeler to visit all the sites for KoPT's engineers at any odd hours throughout the free maintenance contract period of 1 year and during comprehensive maintenance contract period of 4 years. All tools, testing equipments for analyzing the performance of camera, system software, wireless link and path loss calculation at various locations are to be provided to the technician. Kolkata Port Trust is not in a position to extend telephone facility to the contractor. The contractor personnel have to maintain a mobile phone at site. The cost of instruments and Monthly rental/call charges are to be borne by the Contractor during the maintenance period.

KoPT's personnel including Kolkata Police personnel need to be given training on operation of system at KoPT site after acceptance of System. All necessary documents and manuals for system operation and maintenance, at least three sets of each equipment are to be provided. Providing Free Warranty support for a period of 12 months from date of handing over of the System after successful commissioning and providing an undertaking for offering Annual Maintenance Contract on payment for a period of 4 years from expiry of the warranty period and quote the charges for the AMC.

Payments to the contract labour are to be paid by the contractor as per minimum rates of wages fixed by Central Government/State Government (whichever is higher) which are revised from time-to-time. Further, the contractor has to submit documentary evidence in support of the payments made to the labour engaged in the work along with subsequent running account bill. KoPT will reimburse the proportionate escalated / de-escalated minimum rates of wages during the AMC period after implementation of the maintenance period to the contractor including ESI / EPF on differential amount due to change in minimum wage rate keeping aside other components.

In respect of P.F. contribution recovered from the labour and remitted to the P.F. Commissioner, documentary evidence in support of the same is to be submitted along with individual PF Nos. by the contractor during subsequent running account bill, failing which the bill will not be processed.

The contractor shall comply with the provisions of all the Acts, Laws, any Regulation or Bye-Laws of any Local or other Statutory Authority applicable in relation to the execution of the subject works, such as but not limited to

- a. Minimum Wages Act, 1948 (Amended).
- b. Employees Liabilities Act, 1938.
- c. Industrial Dispute Act, 1938 and 1940.
- d. The Contractor Labour (Regulation & Abolition) Act, 1970 or statutory amendments and modification thereof, any other laws relating thereto and Rules made there under from time to time. It will be the duty of the contractor to abide by the provisions of the Act.
- e. Workmen Compensation Act, 1923 as amended by Amendment Act No.65 of 1976.
- f. 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.
- g. MP & EPF Act 1952 and as amended from time to time.

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.

The staff provided by the contractor to KoPT are in case found to be indulging in any undesirable or unfair activities, the contractor will solely be responsible for all the consequences apart from the liberty of KoPT office to lodge complaints before appropriate authorities

TECHNICAL SPECIFICATIONS

I. CAMERA REQUIREMENT:

- The firms should offered High quality reputed make Cameras that are certified by UL (must), FCC or CE. Necessary certifications should be submitted.
- The firms may offer items having higher specifications over and above the minimum generic specifications.

DAY/NIGHT IP BASED FIXED CAMERA: [bullet type]

- Camera should have the features like:
 - Minimum 1/2.8" Progressive scan CMOS/MOS imager,
 - 3D DNR,
 - Minimum 4 MP resolution
 - Smart detection: **Face detection/recognition of moving pedestrian, Line crossing detection, Intrusion detection**, Region entrance, Region exiting, unattended baggage, and other relevant object detection of bridge.
 - Shall have distortion correction, Support edge recording and dual-VCA, regional cropping, details can be seen with low bandwidth.
 - Wide Dynamic Range
 - Equipped with memory card
 - Inbuilt IR facility
 - Auto iris, DC drive, Day Night auto cut filter,
 - NAS support,
 - Minimum 2 output stream i.e one for live streaming and other for recording with H.264/H.265 or MPEG -4 compatibility
 - Alarm trigger: Motion detection, Tampering alarm, Network disconnect, IP address conflict,
 - SNR > 50 dB is to be provided
 - Anti-thunder, anti-surge, anti-static, IP67 protection,
 - LOGO picture can be overlaid on video 24 bit bmp format,
 - Support 10M/100M/1000M Ethernet Port,
 - Support 12V DC, PoE(802.3at).
 - UL and FCC/CE, ONVIF certified

PTZ HD Dome Day/Night Camera

- Camera must have the features like:
 - Minimum 30X Optical Zoom, 1/3" HD CMOS imager,
 - Wide dynamic range
 - 2MP resolution with high quality images in low light
 - Inbuilt IR facility
 - Seven alarm inputs, 2 outputs
 - Smart tracking modes: Manual/ Panorama/ Intrusion trigger/ Line crossing trigger/ Region entrance trigger/ Region exiting trigger, support smart tracking when patrol between multiple scenarios,
 - Smart detection: support Face detection, Intrusion detection, Line crossing detection, Region entrance detection, Region exiting detection, **Number plate detection preferable**
 - SNR > 50 dB is to be provided

- Smart image processing: support defog, HLC/BLC, smart IR,
- 360°endless pan range and -20°~ 90°tilt range.
- Multi streaming output.
- Using advanced image processing technology, the camera be able to provides three compression formats MPEG-4, and H.264/H.265 , so that users can choose the appropriate compression format for monitoring applications.
- 3D DNR
- Equipped with memory card,
- Minimum IP66 protection
- Lightning protection, surge protection and voltage transient protection.
- UL and FCC/CE, ONVIF certified

DAY/NIGHT IP BASED FIXED CAMERA: [Box/Bullet type]

- Camera should have certain features like:
 - 1/2.8" Progressive scan CMOS/MOS imager,
 - 3D DNR,
 - 2MP resolution
 - Smart detection: face detection, Line crossing detection, Intrusion detection, Region entrance, Region exiting, unattended baggage, Object removal.
 - Shall have distortion correction, Support edge recording and dual-VCA, regional cropping, details can be seen with low bandwidth.
 - Wide dynamic range, Defog
 - Equipped with memory card
 - Inbuilt IR.
 - Auto iris, Day Night auto cut filter,
 - NAS support,
 - Minimum 2 output stream i.e one for live streaming and other for recording with H.264/H.265 or MPEG -4 compatibility
 - Alarm trigger: **Video Motion detection Alert, Object Detection Alert**, Tampering alarm, Network disconnect, IP address conflict,
 - SNR > 50 dB is to be provided
 - Anti-thunder, anti-surge, anti-static, IP67 protection,
 - LOGO picture can be overlaid on video 24 bit bmp format,
 - Support 10M/100M/1000M Ethernet Port,
 - 12V DC, PoE(802.3at).
 - Shall be UL and FCC/CE, ONVIF certified

All equipments should be heavy duty for 24 Hours operations.

32 CHANNEL NETWORK VIDEO RECORDER WITH 54TB HDD

- Support for up to 32 Channel & ANR technology to enhance storage reliability when the network is disconnected.
- HDD capacity should be minimum 54 TB.
- HDD hot swap with all RAID features storage scheme configurable.
- Support for decoding of H.265/ H.264/MPEG4 or any better video formats
- Inbuilt Support for Centralized management software.
- Up to 12 Megapixels resolution recording
- Third-party network cameras supported

- HDMI output with support up to 4K resolution
- Preferable to have Up to 2 SATA interfaces
- Shall be UL and FCC/CE, ONVIF certified.
- Preferable to have 2 no.(s) HD outputs, 1no HDMI 4k resolution[(3840 x 2160)/60Hz, 4K(3840 x 2160)/30Hz], 16 SATA (loaded with 54TB) and 1 e SATA interface, 2 self adaptive 10M/100M/1000M network interface, centralized management software, VCA detection alarm supported, support HDD quota and group modes, LAN1/LAN2 interface, 2 RJ 45-100/100/1000 Mbps self adaptive Ethernet interfaces, LINE In RCA connector for audio input, audio out, USB 3.0 interface, RS 232 interface.

High Frequency Interference Blocker

The device should have

- RF blocker
- Frequency Analyser
- Auto Frequency detection

Surge Protector

The surge protector should have the following features

Transfer rate:1000 Base T

RJ 45 Connectors:

Protection mode: Line-to-line and line-to-ground

Minimum Response time: in the range of nano seconds

Mounting: Pole mount 1-3" (25-75 mm) or wall mount

Metal enclosure:

Operating temperature: -40° F (-40° C) to +140° F (+60° C) or better

Humidity: 100% condensing

SURGE RATING: 10/1000 micro sec.

Protection: IP66/ IP67 (Dust and Water Intrusion Protection)

Wireless Transmitter

The wireless transmitter should have the following characteristics:-

Sl. No.	Features	Description
1	Frequency	Same Radio should operate in India ISM Band (preferably 5.8GHz) as per WPC Regulation
2	Topology	System should be able to perform as Point-to-Point and Point-to-Multipoint without changing Hardware
3	Channel Bandwidth	System must support 5MHz / 10 MHz / 20MHz / 40 MHz Channel Bandwidth
4	Channel Spacing	Configurable on 5MHz increments

5	Modulation	QPSK, 16-QAM, 64-QAM, MIMO, OFDM with Forward Error Correction (FEC)
		Should support automatic adaptive modulation
6	Transmit Power	System must support Automatic Transmit Power Control (ATPC) to limit the CPE unwanted power
7	Distance Coverage	shall support at least for 10 KMs
8	Vlan Support	VLAN support based on IEEE 802.1Q with 802.1p priority
9	Encryption	128 bit AES
10	Throughput	System must deliver actual/usable aggregate throughput of at least 100 Mbps in 20 MHz Channel Width
11	Encryption effect on throughput	Throughput capacity should not be reduced when using AES encryption
12	LAN Interface	System must support 100/1000Base(T) half/full duplex, rate auto negotiated
13	Management	System should have support of IPv4, UDP, TCP, IP, ICMP, SSH, SNMPv2c, HTTPs, STP
		System should have support of Network Management with HTTPs, SSH, SNMPv2c
14	Quality of Service	Three level priority (Voice, High, Low) with packet classification by DSCP, COS, VLAN ID, IP & MAC Address, Broadcast, Multicast and Station Priority
15	Classification	System must provide the provision to configure rules to classify High Priority Packets
16	MAC (Media Access Control) Layer	System must support scheduled access rather than CSMA Technology
17	Anti Cloning	system must supports Anticlone Hardware for better security
18	Bandwidth	System should be able to configure symmetric & asymmetric bandwidth. Also should support flexible dynamic Upload and download percentage should be user configurable.
19	Identity-based user accounts	System must support minimum of four user with four possible user role as Administrator, Installer, User and Read only
20	DHCP	System must be able to receive the IP Address from DHCP Server

21	Spectrum Analyzer	System must support Spectrum analyzer tool to find the best available frequency to be used.
22	Performance Statistic	System must be able to provide detail statistic of Wireless and LAN Interface including Received packets, error, multicast , broadcast packet received
23	Ethernet Port	system must also support Secondday ethernet Port which can be directly connected to IP Camera
24	Protection	Shall support IP 55
25	WPC Approved	System must be approved from WPC

ACCESS POINT ANTENAS

The anteeas to have the following features.

Frequency Range 5150 – 5875 MHz

Gain 23 dBi

VSWR 1.6:1 max

Maximum Input Power 50 Ohms

Cross Polarization >18 dB

Wind Survival 190 km/h (118 mph)

Central Management Software For Radio Management (software part of radios)

Sl. No.	Features	Description
1	Visibility Across the Network	<p>Single pane of glass to manage an entire network, including backhaul point-to-point (PTP) links, point-to-multipoint (PMP) access and WiFi from the same OEM</p> <p>Dedicated dashboards for each device, with common and centralized upgrade and device configuration workflows to minimize the learning curve for network managers</p>

2	Client End-to-End Troubleshooting	<p>One-click functionality should reveal the entire chain of network nodes related to the problem area, displaying the results of performance and latency tests, as well as sub-system level health checks on a single screen</p> <p>Managers should see network elements on maps that may be causing issues and determine timely solution</p>
3	Frictionless Deployment	<p>Should able to define device configurations in advance and have them automatically applied at the time of installation</p> <p>Should ensure large networks are kept up to date by easily managing software upgrades and configuration changes</p>
4	Secure Cloud	<p>Should be able to access cloud management system quickly from anywhere using secure HTTPS. No need for VPN connections</p> <p>The management system should always have the latest updates and the latest device software is always at your fingertips</p> <p>Secure on boarding using user name and password based mechanisms or device serial number based one</p>
5	Designed for Wireless	<p>Should have many ways to view wireless network data including maps, performance charts and tables to quickly assess a single device or an entire group.</p> <p>Wireless parameters and statistics should automatically available under management system</p>
6	Hierarchical Dashboards	Should be able to visualize devices from tower to edge with customized dashboards for each device type
7	Advanced Troubleshooting	Should display tower-to-edge status in a single graphic view, Wi-Fi/RF client details and health, remote location Wi-Fi/RF scan, Packet capture on remote AP/device, ability to monitor network resource reach ability on remote AP/device and troubleshoot client connectivity directly on the wireless Broadband devices if required
8	Notifications	Should be able to view immediate status with alarms, and troubleshoot customer issues by filtering on alarm history and reviewing events
9	Device Inventory	Should be able to access devices at the system level, or by network, tower, or sector. Device data can be exported in PDF or CSV formats
10	Statistics and Trending	Should be able to view historical radio and network statistics

11	Bulk Software Upgrade	Should be able to upgrade the software images in a sector or across sectors in a single job. Queue upgrade jobs during the day so they can be run in the evening, when the network is less utilized. Also should have device upgrade history and configuration change history
12	Template-Based Configuration	Should have the capability to push configuration to single device or to groups of devices across your network using profile based configuration
13	Zero Touch On boarding	Preconfigured supported single OEM devices so they will be automatically on boarded when provided with network connectivity
14	Multiple Administrators	Invite remote IT team by email to manage the devices in your organization's cloud management account
15	Controller Hosted captive portal service	Should support Captive portal voucher based feature

8 Port PoE Network Switch 10/100/1000 Mbps

Sl.No	General Specifications
1.	8 Port Fast Ethernet Lite Managed PoE
	Performance • Switching Capability: 16Gbps • Packet Buffer 1.488 mbps • MAC Address Table: 4K • PoE Power Budget: 54W
	Security • Mac address Binding • TCP/UDP filter • Support Broadcast storm control

24 Port Gigabit Ethernet Layer 2 Web Managed Switch with 4 Gigabit SFP Ports

Sl.No	General Specifications
1.	24 10/100/1000Mbps Web Managed Switch with 4 Gigabit SFP Ports
	• Switching Capability: 56Gbps • MAC Address Table: 8K
	L2 Features • Auto-negotiation for port speed and duplex mode • Spanning Tree Protocol - Support STP/RSTP - Loopback Detection • IGMP v1/v2/v3 Snooping: IGMP Querier IGMP Proxy • VLANs - 256 IEEE 802.1q tag based VLAN with 4K vlan ID - Port Isolation (Multi-to-one) • Link Aggregation
	QoS Features

	<ul style="list-style-type: none"> • Queueing Mechanism: SP and WRR, WFQ • Classifications based on - COS - IP DSCP • Each port supports 8 queues • LLDP
	Security <ul style="list-style-type: none"> • Mac address Binding • Support Broadcast storm control • IP and MAC ACL
	Management <ul style="list-style-type: none"> • Port Mirroring • Support traffic statistics • Provide IPv4/v6 Web-based management • Configuration Backup and Recovery
	Standards <ul style="list-style-type: none"> • IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T • IEEE 802.3z • ANSI/IEEE 802.3 Nway • IEEE 802.3x
	Environmental Specifications <ul style="list-style-type: none"> • Temperature : 0°C~50°C (Standard Operating) 40°C to 70°C (Non-Operating) • Humidity: 10% to 90% (Non-condensing)

Monitor 42 Inch

Sl.No	General Specifications
1.	42" LED color Full HD professional monitor including connection testing built in 10W speakers, RGB D SUB, DVI-D, HDMI1, HDMI2, CVBS, AUDIO MINI JACK, AV, USB 2.0x1, RS232, IR SENSOR, POWER AC100-240V AC, BEZEL WIDTH 10.5 mm top side 15 mm bottom side, super clear coating, temperature sensor, pivot display, button lock, clock battery 168 hrs.

PC workstation

- Core i7 processor.
- RAM 4GB DDR4 (2400Mhz)
- 4 DIMM Slots
- 1TB Hard Disk
- Win10 Operating System
- 3 Video Ports (VGA+ 2DP)
- 8 USB 3.1 Port & 2 USB2.0 Port
- Antivirus loaded

Central video management software with CPU /server /Device

Sl. No.	General Specification	Technical Specification	
1	Video management	Number of connected cameras per server	camera Device:1000 devices or 2000 channels ONVIF Device:200 devices
		Device management	IPC, NVR, encoder, decoder(standard/expanded), network keyboard, cloud devices, alarm control panel and door access control
		Numbers of online users	300
		Numbers of roles per user	16
		Bandwidth of video input per server	512Mbps
		Bandwidth of video output per server	384Mbps
2	Decoding	Video compression	Ultra265, H.265, H.264, MPEG4
		Decoding	4×4K@30, 16×1080p@30, 36×720p@30, 64×D1
		Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/960H/D1/2CIF/CIF/QCIF
		Display on video wall	HDMI(×2) and VGA(×1) output; HDMI output supports 4K resolution
		Audio compression	G.711
		Decoding card (optional)	Max 2 cards supported; models: HDMI4-C and HDMI6-C
		HDMI4-C decoding card	4-ch HDMI outputs, with decoding of 4*4K@60 or 8*4K@30 or 32*1080P@30 or 64*720P@30
		HDMI6-C decoding card	6-ch HDMI outputs, with decoding of 6*4K@60 or 12*4K@30 or 48*1080P@30 or 96*720P@30
3		HDD installation	Hot-swappable HDDs Support 16HDDs (3.5", up to 10TB for each)
		RAID mode	RAID0, RAID1, RAID5, RAID6, RAID10,
		Bandwidth of video storage per server	512Mbps

	Storage	Disk enclosure (optional)	Max 2 disk enclosures supported; models: DEU1008 and DEU1016
		DEU1008 disk enclosure	8xSATA interfaces, up to 10TB storage per interface
		DEU1016 disk enclosure	16xSATA interfaces, up to 10TB storage per interface
4	Play control		1 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 13 / 16 / 17 / 25 / 32 / 36 / 64 window display Corridor format Up to 3 auxiliary monitors
5	Playback		Play NVR recordings Up to 24 channels for multiple clients; synchronous playback up to 16 channels for single client
6	System	Main Processor	Intel(R) Celeron(R) CPU N3160, 64-bit, 4-core processor
		Memory	4GB DDR3L
		Power supply	100-240 VAC (with power on/off switch) Dual-power redundancy

Optical Fiber Cable

Description	Specification
OFC	Six core
Mode	Single Mode
ISO	11801
Jacket materials	1.8mm +/-0.2mm
Crushing load	3000 N/100mm
IEC	60793-1/60794-1-2
Storage temp	-40 deg to 60 deg C

POLES

Poles shall of GI.

ISI marked pipes to be used.

2.5 inch or more outer diameter of medium class GI pipe.

On top of pole Radio mounting stand with adjustments shall be available.

Bottom of pole shall be bolted or grouted as required at site.

The poles shall have to be properly installed in an absolute vertical manner with planting depth of 1.5 meter.

MS Angles to be welded on the poles for climbing purpose.

Suitable foundation for lighting poles is to be provided if planting depth of 1.5 meter could not be achieved

Pole shall be painted with silver epoxy paint for rust free maintenance.

Pole height varies 10% +/-

JUNCTION BOXES

Shall be of suitable height to house

UPS 1kva with batteries.

Network 8 port/24 port switches.

POE adapters,

PA amplifiers.

All connecting accessories of field devices.

JB shall be equipped with power indicator, fuse, MCB.

JB shall be ventilated with exhaust fan.

It shall be with lock & key arrangements for safety of inbuilt materials

Network Rack

The Network rack should have the following feature

- 4U and 8U rack to be mounted as per site requirement while 30U rack to be floor mounted enclosure Ideal for VoIP wiring closets
- Adjustable mounting depths by 2 front vertical rack mount rails
- Ventilated front door and side panels for increased airflow
- Locking, reversible front door Locking, removable side panels Fully assembled for quick installation
- Meets all enclosure requirements

CAT -6 CABLES:

The CAT 6 cables should have the following features :

23 AWG solid bare copper
High density polyethylene.
2 insulated conductors twisted together.
Aluminium/polyester foil, tinned copper
braiding
Dia:7.5mm nominal
Conductor resistance: ,9.38 ohm/100m
Mutual capacitance:,5.6nF(100m)
Resistance Unbalanced:330pF/100m
Bending radius ,8x cable dia -20 deg+/-11 deg C
Temperature Range-20 deg to 70 deg C

Power Cables

Following size 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

3 C X 1.5 sq.mm XLPE insulated PVC sheathed FRLS armoured Copper cable

± 5% variation will be allowed as per practice.

It is to 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.

6 KVA UPS

Description	Specification	Compliance (Yes/No)
UPS Topology	On line double	
Architecture of the UPS	Stand alone UPS	
In/Out phase Configuration	Single phase- Single phase	
Neutral	Neutral Passing through	
Output wave form on mains run	Sinusoidal	
Bypass type	Static and electro-mechanic	
Input		
Nominal Voltage	220 / 230 / 240V single phase	
Voltage range	160 - 300V	
Frequency	50 Hz	
THDI _{in}	< 10%	
Power Factor	> 0.99 from 50% to 100% of nominal load	
Output		
Nominal voltage	230 V single phase (Option to Select 220 / 240V)	
Nominal power	6 kVA	
Active power	4.8 KW	
Voltage variation (static)	±1%	
THDv on nominal power (linear load)	< 3 %	
THDv on nominal power (not linear load P.F.=0,7)	< 5 %	
Frequency	50 Hz o 60 Hz (autosensing or selectable)	
Frequency tolerance	Synchronized with input frequency or ±1% free run	
Current Crest Factor	03:01	
UPS Efficiency (Online Double Conversion Mode)	>80% @ rated load	
Overload capability:		
· 10 min	110% load rate with no bypass intervention	
· 60 sec	130% load rate with no bypass intervention	

Output in battery Run		
Nominal voltage	230 V single phase	
Nominal power	6kVA	
Active power	4.8 KW	
Frequency	50 Hz	
Frequency tolerance	±1% free run	
Cold Start	Yes	
Battery		
Type	Lead Acid, sealed, free maintenance	
Nominal UPS Battery Voltage	240 Volt DC	
Charging Cycle	2 stage charging with temperature compensation	
Max Charging Current	8 A (1/2/4/8A – Selectable)	
Battery AH for 30 min backup	28 AH	
Environmental specs		
Working temperature range	from 5°C to +50°C	
Humidity range	20-90% not condensing	
Noise Level	50dBA	
Protection degree	IP20	
Misc		
Communication Interface	1 serial port RS232, 1 USB, mini slot for SNMP	
Input breaker	Required & resettable	
Input connections	1P + N + PE Terminal block	
Output connections	4nos Indian Type 6A socket	
Battery Connection	ANEN 2 poles	
Standards	EN/IEC 62040-1, EN/IEC 62040-2/BS OHSAS-18001/ ISO 14001	
Certification	CE certified and ROHS	

The contractor shall dispose off the debris in connection with this job beyond the dock 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. 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.

List of Approved Makes

Item	Make
Cameras	Hikvision/ Panasonic/Bosch/Axis/Pelco/Infinova
Network Video Recorder (NVR)	Hikvision/ Panasonic/Bosch/Axis/Pelco/Infinova
Monitor	LG/SAMSUNG/PANASONIC/HCL
POE Switch	CISCO/ D-Link/Allied or any other reputed make
Wireless Transmitters and receivers	WIS/ALCON/TP Link/Radwin/Cambium or any other reputed make
Antenas	WIS/ALCON/TP Link/Radwin/Cambium or any other reputed make
Network Rack	ValRack/Precision/HCL/Dynamic/President
CAT-6 cables	Molex / Schneider/ D-Link/Cisco or any other reputed make
Power cable	Gloster/POLYCAB/Havells
OFC	Molex/Schneider/Beldon/HFCL/Sterlite or any other reputed make
UPS	Microtek/Luminious/APC or any other reputed make
Pole	TATA/JINDAL/UTKARSH or any ISI make

N.B: Any other reputed make of any particular item will only be considered if none of the specified make for that particular item is not available in the market for some reason or the other which is to be acceptable to competent authority

Inspection & Testing

Contractor must provide Site Acceptance test procedures clearly bringing out the parameters to be tested at site after duly detailed discussions with the Engineers of contract. Further, team of KoPT officials shall visit the office/factory of contractor or manufacturer's premises for Pre-dispatch Inspection for which travel and other logistic to be arranged by Contractor.

PRICE NOT TO BE QUOTED HERE.**BILL OF QUANTITY (BOQ)****E-Tender No. KoPT/Kolkata Dock System/CME/ 00 /17-18/ET/000****Name of the Work:-** Supply, Installation ,Testing and Commissioning of CCTV Surveillance System at Rabindra Setu (Howrah Bridge) with 4 years AMC post 1 year warranty.**PART A-** Supply, Installation and Commissioning of CCTV Surveillance System at Rabindra Setu (Howrah Bridge)

Sl. No.	Description of Items	Qty.	Unit	Unit Rate (Rs.)	Amount
1	Supply of minimum 4MP @25fps smart Box/bullet camera, Shall be UL and FCC/CE	44	Nos.	Price not to be quoted here.	Price not to be quoted here.
2	Installation of the above cameras on Howrah Bridge with suitable arrangement	44	Nos		
3	Supply of minimum 2MP @25fps high quality images in low light condition, PTZ 30x optical zoom Dome Camera. Shall be UL and FCC/CE, ONVIF certified.	4	Nos.		
4	Installation of the above PTZ cameras on Howrah Bridge with suitable arrangement	4	Nos		
5	Supply of minimum 2MP @25fps smart Box/bullet camera, Shall be UL and FCC/CE	8	Nos.		
6	Installation of the above box cameras at the basement area of Howrah bridge	8	Nos		
7	Supply, of 32CH NVR , Shall be UL and FCC/CE, ONVIF certified.	2	No		
8	Installation ,testing & commissioning of the NVRS	2	No		
9	Supply of High Frequency Interference Blocker for wireless units. as per specifications	19	Sets.		
10	Installation of High Frequency blocker	19	Sets.		
11	Supply of surge protectors as per specifications .	19	Sets.		
12	Installations of Surge protectors	19	Sets.		
13	Supply of GPS synchronized radios 2.4GHz/5Ghz with antenna connecting facility hardware facility, Power supply units, fitting arrangements as per site locations.	4	Nos		

14	Installations of above GPS synchronised radios	4	Nos		
15	Supply of 2.4Ghz,/5Ghz 90 deg sector antenna as per specifications given.	4	Nos		
16	Installations of the above antenas	4	Nos		
17	Supply of CPE radio device 5 GHz /2.4Ghz with integrated antenna hardware facility,	12	Nos		
18	Installations of the above radio switch	12	Nos		
19	Supply of Backhaul radio 1.3GBps CPE radio device 2.4 GHz with unsync antenna hardware facility,	2	Nos		
20	Installation of the above back haul radios	2	Nos		
21	Supply of High Power Wireless Transmitters & receivers as per specifications .	4	Pairs.		
22	Installations of the above transmitter & receiver set	4	Pairs.		
23	Supply of External antenna 23dbi for radios as per specifications given.	4	pais		
24	Installation of the above external antenna	4	Pairs.		
25	Supply and installations of central management software for radio managment as per specifications given.	1	No		
26	Supply of 8 Port Network switch 10/100/1000 Mbps switch as per specifications given.	15	Nos.		
27	Installation of above 8 Port Network switch	15	Nos		
28	Supply of 24 Port Network switch 10/100/1000 Mbps switch with 4SFP ports. as per specifications . .	3	Nos.		
29	Installation of 24 Port Network switch	3	Nos		
30	Supply of 4 U Network rack	15	Nos		
31	Installation of 4 U Network rack	15	Nos		
32	Supply of 8 U Network rack	3	Nos		
33	Supply of 8 U Network rack	3	Nos		
34	Supply of 30U Network rack	1	Nos		
35	Installation of 30U Network rack	1	Nos		
36	Supply of 20 feet Poles of GI for cameras, with base plate, foundations civil works etc	4	Nos.		
37	Installation of the poles with necessary climbing arrangement	4	Nos		
38	Supply of misc items, like saddles, fitting materials, switch, sockets, screws, nuts, fastners, jointers, sealents, accessories. Etc.	1	Lot		
39	Installation of misc items, like saddles, fitting materials,etc	1	Lot		

40	Supply of High End Professional Display for AVSI & Digital Signage Projects - 24x7 Operation - 400/500 nits Brightness. Size 42 inch	2	Nos.		
41	Installation of the display unit at North Port Police Station and in the office of SE , Rabindra Setu	2	Nos		
42	Supply of junction boxes outer dimensions 620x330x240 to House MCB, PoE, adaperts etc as per specifications . .	20	Nos.		
43	Installation of the junction boxes	20	Nos		
44	Supply of PC Core i7 processor, 4GB DDR4 (2400Mhz) RAM/4 DIMM Slots/1TB/Win10 /3 Video Ports (VGA+2DP), 64 GB Expandable/ Serial Port/ 8 USB 3.1 Port & 2 USB2.0 Ports/ PS/2/Anti virus loaded.	3	Nos.		
45	Installation of i7 processor	3	Nos		
46	Supply of Power Cable Copper conductor 3 core x 1.5sq.mm as per specifications	900	Mts.		
47	Laying of power cables	900	Mts		
48	Supply of CAT6 cable as per specifications . .	1500	Mts		
49	Installation of CAT 6 cables	1500	Mts		
50	Supply of 6 KVA UPS having single Phase input and Single Phase Output SMF Battery .	1	Nos.		
51	Installation of 6 KVA UPS	1	Nos		
Total					

PART B : Annual Maintenance Charge

Sr.NO	Description of Items	Qty.	Unit	Unit Rate (Rs.)	Amount
1	1st year Cost	1	Job		
2	2nd year Cost	1	Job		
3	3rd year Cost	1	Job		
4	4th year Cost	1	Job		
Total maintenance cost (Part -B)					

Summary of Price Estimation

SI No	Description	Amount (In Rs)
1	(Part-A) Supply, Installation and Commissioning of CCTV Surveillance System at Rabindra Setu (Howrah Bridge)	
2	(Part-B) Annual Maintenance Charge	
	Grand Total	

Note:

- (i) The quantity above may increase or decrease as per requirement, for which payment will be made as per actual.
- (ii) The rate quoted by the tenderer/firm should be considered to complete the work in all respect and should be exclusive of GST or any statutory levies and or other charges levied by any central/state/local authorities.
- (iii) GST and any other extra charges/statutory levies will be paid extra at applicable rates at the time of supply of goods and services.

KOPT

Profile of Tenderer / FORM –D

This is to confirm that we agree to abide by all the terms and conditions of this NIT No. **KoPT/ KDS/ Mech/SE-I/ADV/496** dated **08.08.2018**, those mentioned in the "General Conditions of Contract" enclosed with this Tender Document as well as decisions taken in the pre-bid techno-commercial conference, if any.

Our relevant particulars are furnished hereunder:

Particulars	To be filled in by the Tenderer or to be mentioned as "none "
Name of the Tenderer	
Name of the owner(s) of the Tenderer	
Full postal address of the Tenderer including Police Station	
Telephone No. of the Tenderer	
Fax No. of the Tenderer	
E-mail ID of the Tenderer	
Name of the contact person of the Tenderer	
Mobile/land line Telephone No. of the contact person of the Tenderer.	
Name of the partners/directors/members, as applicable, in this particular contract	
Name of their authorized representative(s) who would handle the contract on their behalf.	

**[DOCUMENT TO BE DOWNLOADED, FILLED IN UNDER BIDDER'S LETTERHEAD,
SIGNED, SCANNED AND UPLOADED]
Covering Letter**

Ref. No.....

Date

The Chief Mechanical Engineer,
Kolkata Port Trust,
Mechanical and Electrical Engineering Department,
8, Garden Reach Road,
Kolkata – 700 043

Dear Sir,

1. We,(Name of Tenderer) having examined the Tender Document and understood its contents, hereby submit our Tender for (NIT No. KoPT/KDS/Mech/SE-I/ADV/..... dated. and confirm that we unconditionally accept all the terms and conditions of the same including the Addendum (if issued).

2. All information and proofs provided in the Tender including Addendum and in the Appendices are true and correct and all documents accompanying such tender are true copies of their respective originals.

3. We shall make available to Kolkata Port Trust (hereinafter referred to as KoPT) any additional information it may find necessary or require to supplement or authenticate the Tender.

4. We,(Name of Tenderer) hereby undertake that we will abide by the decisions of KoPT in the matter of examination, evaluation and selection of Successful Tenderer and shall refrain from challenging or questioning any decision taken by KoPT in this regard. We further acknowledge the right of KoPT to reject our tender without assigning any reason or otherwise and hereby waive our right to challenge the same on any account whatsoever.

5. We also certify the following

(a) We have not been debarred by the Central/State Govt. or any entity controlled by them or any other legal authority from participating in any Tender/Contract/Agreement of whatever kind.

(b) We have also not been expelled from any project or contract nor have had any contract terminated for breach in the last 3 years ending on the date of opening of the techno commercial part of the tender.

6. We declare that:

(a) We have examined and have no reservations to the Tender Document, including the Addendum, if any, issued by KoPT thereon.

(b) We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any corrupt, fraudulent or coercive practices to influence the evaluation process of the tender.

7. We understand that KoPT reserves the right to accept or reject any tender and to annul the tendering process and reject all tenders at any time without any liability or any obligation for such acceptance, rejection or annulment without assigning any reason thereof.

Yours faithfully,

Signature of Tenderer.....

Name:

Designation:

Date :

Seal of the tenderer.....

KOLKATA PORT TRUST
SCHEDULE - "O"

Tenderers must fill in the undernoted column :

Sl. No	Full particulars of similar works carried out by Tenderer	Value of work	Contract for completion time	Actual completion time	Name and Addresses of Authorities for whom work was carried out	Name and Addresses to whom reference can be made

SCHEDULE – “O”

Sheet – 2

The Tenderers are also requested to furnish the following particulars :

A. In case of a Limited Company:

1. Name of the 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 desired to be stated :
5. Name, address and other necessary particulars of Managing Agents, if any, appointed by the Company :
6. Copies of Memorandum and Articles of Association (with the latest amendments, if any) :
7. Copies of audited Balance Sheets of the Company for the last three years. :

SCHEDULE - "O"

SHEET - 3

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 :

SCHEDULE - "O"

SHEET - 4

C. In case of an Individual :

1. Full name and address of the Tenderer; any special particulars of the Tenderer if desired to be stated :
2. Name of the father of the Tenderer :
3. Whether the Tenderer carried on business in his own name or any other name :
4. When business was started any by whom :
5. Whether any other person is interested in the business directly or indirectly, if so, name, address, etc. of such persons and the nature of such interest. :
6. Whether the Tenderer pays income tax over Rs.10,000/- per year :

DATED, the.....

Signature of Tenderer

**FORMAT OF AFFIDAVIT
On the Rupees Ten Non – Judicial Stamp Paper**

BEFOR THE 1ST CLASS JUDICIAL MAGISTRATE AT-----

AFFIDAVIT

I ----- son of ----- aged about -----
---Years , by faith ----- , by occupation -----, residing at-----

do hereby solemnly affirm and declare as follows:-

1. That I am the proprietor/Partner of ----- having office at -----
and carrying on business on the said name and style.

(In case the above Deponent is an enlisted Contractor at Kolkata Port Trust, the same should be mentioned in affidavit.)

2. THAT my aforesaid Firm is exempted from E.S.I. Act and the said Firm has no valid E.S.I Registration.
3. THAT the present affidavit is to be filed before the Kolkata Port Trust as per the clause no ---
----- of Tender no-----issued by Kolkata Port Trust in respect of
the work (the name of the work is to be mentioned)
That the statements made above are all true to the best of my knowledge and belief.

That in the event the declaration is found to be wrong and false, I will be held responsible for all the consequences in respect of compliance of The Employees State Insurance Act, 1948

DEPONENT

Identified by me

(FORMAT OF INDEMNITY BOND)
On the Rupees Fifty Non – Judicial Stamp Paper

I N D E M N I T Y B O N D

By THIS BOND I, Shri/Smt-----, son of Shri/Smt--

Residing at ----- by occupation -----the Partner/Proprietor/Director
-----having office at ----- am a tenderer under Mechanical Engineering
Department, Kolkata Port Trust(A statutory body under MPT Act, 1963)

- 2 WHEREAS , the said Kolkata Port Trust asked the every tenderer, who is not covered under E.S.I Act or exempted to furnish an Indemnity Bond in favour of Mechanical Engineering Department, Kolkata Port Trust against all damages and accident to the Labourer Tenderer/contractor.
- 3 NOW THIS BOND OF INDEMNITY WITNESSTH THAT the Tenderer/contractor named herein above shall indemnify the Kolkata Port Trust AGAINST ALL DAMAGES AND ACCIDENT OCCURRING TO THE Labourers of the Tenderer/contractor as demanded by the Kolkata Port Trust and which shall be legal and /or claimed by the Kolkata Port Trust during the execution of the work stated in the NIT No----- of -----
- 4 AND the contractor hereunder agree to indemnity and at all times keep indemnified the Kolkata Port Trust and its administrator and representative.
5. And also all such possible claim or demand for damages and accidents. In the event the declaration is found to be wrong and false, the tenderer will be held responsible for all the consequences in respect of compliance of The Employees State Insurance Act, 1948.

In WITNESS WHEREOF I-----, the Partner/Proprietor/Director----- Hereto
set and seal this the----- Day of-----
In the year----- at-----

Sureties

Signature of the Indemnifier

1 Signature
 Name:-
 Address

2 Signature
 Name:-
 Address

3 **Witness**
 Signature
 Name:-
 Address

**[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.....

Date

The Chief Mechanical Engineer,
Kolkata Port Trust,
Mechanical and Electrical Engineering Department,
8, Garden Reach Road,
Kolkata – 700 043

Dear Sir,

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

We are submitting this undertaking in lieu of submission of signed copy of the full Tender document.

Yours faithfully,

Signature of Tenderer

Name:

Designation:

Date :

Seal of the tenderer

KOLKATA PORT TRUST



**MECHANICAL & ELECTRICAL ENGINEERING DEPARTMENT
8, Garden Reach Road, Kolkata – 700 043.**

KOPT

GENERAL CONDITIONS OF CONTRACT

FORMS AND AGREEMENTS

**SANCTIONED BY TRUSTEES UNDER RESOLUTION NO. 92
OF
THE 6TH MEETING HELD ON 27TH MAY, 1993.**

(Copy of Booklet Published on May, 1993)

1. DEFINITIONS

- 1.0. In the contract, as here-in-after defined, the following words and expressions shall have the meaning here-in assigned to them, except where the context otherwise required.
- 1.1. **"Employer"** or "Board" or "Trustees" means the Board of Trustees for the Port of Kolkata, a body corporate under Section 3 of the Major Port Trust Act, 1963, including their successors, representatives and assigns.
- 1.2. **"Chairman"** means the Chairman of the Board and includes the person appointed to act in his place under Sections 14 and 14A of the Major Port Trusts Act, 1963.
- 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 representative's heirs, successor and assigns, if any permitted by the Board / Chairman.
- 1.4. **"Engineer"** means the Board's official who has invited the tender on its behalf and includes the Chief Engineer, the Chief Mechanical Engineer, the Senior Executive Engineer the Chief Hydraulic Engineer, the Deputy Chief Engineer, the Deputy Chief Mechanical Engineer, the Senior Resident Engineer, The Manager (Infrastructure & Civic Facilities), the Manager (Plant & Equipment) the Deputy Manager (Infrastructure & Civic Facilities) and the Deputy Manager (Plant & Equipment), or other official as may be appointed from time to time by the employer, with written notification to the Contractor, to act as Engineer for the purpose of the contract, in place of the "Engineer" so designated.
- 1.5. **"Engineer's Representative"** means any subordinate Engineer 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.
- 1.6. **"Work"** means the Work to be executed in accordance with the Contract and includes authorized "Extra Works" and "Excess Works" and Temporary 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 god owns, platforms and bins for stacking building materials, gantries, temporary tracks and roads, temporary culverts and mixing platforms.
- 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 works (i.e., Bills 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.
- 1.9. **"Specifications"** means the relevant and appropriate Bureau of Indian Standard's Specifications (latest revisions) for materials and workmanship unless stated otherwise in the Tender.
- 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.
- 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.
- 1.12. **"Constructional Plant"** means all appliances or things of whatsoever nature required in or about the execution, completion or maintenance of the works or temporary works and includes (without thereby limiting the foregoing definition) all machinery and tools but does not include materials or other things intended to form or forming part of the permanent work.
- 1.13. **"Site"** means the land and other places, on, under, in or through which the works are to be executed or carried out and any other lands or places provided by the Trustees for the purpose of the Contract.
- 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 deduction there from as may be made by the Engineer under the provisions here-in-after contained.
- 1.15. **"Month"** means English Calendar 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)
- 1.17. Word importing the **singular** only, also includes the **plural** and vice-versa where the context so required.

- 1.18. The **headings 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.
- 1.19. Unless otherwise stipulated the word "Cost" shall be deemed to include overhead costs of the contractor, whether on or off the site.

2. DUTIES & POWERS OF ENGINEER & ENGINEER'S REPRESENTATIVE

- 2.0. The Contractor shall execute, complete 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.
- 2.1. The Contractor shall take instructions from the Engineer and subject to limitation of Clause 2.5 herein, from the Engineer's Representative
- 2.2. The Engineer shall have full power and authority
- (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, alternation 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.
- 2.3. The Engineer's representative shall:
- (a) watch and supervise the works,
 - (b) test and examine any material to be used or workmanship employed in connection with the work.
 - (c) 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.
 - (d) take measurements of work done by the contractor for the purpose of payment or otherwise.
 - (e) order demolition of defectively done work for its reconstruction all by the Contractor at his own expense,
 - (f) have powers to issue alteration order not implying modification design and extension of completion time of the work and
 - (g) have such other powers and authorities vested in the Engineer, which have been delegated to him in writing by the Engineer under intimation to the Contractor.
- 2.4. Provided always that the Engineer's Representative shall have no 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.
- 2.5. Provided also as follows:
- (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, braking-up thereof and re-construction at the contractor's cost and the contractor shall have no claim to compensation for the loss sustained by him.
 - (b) If the contractor shall be dissatisfied by reason of any decision of the Engineer's Representative, he shall be entitled to refer the matter to the Engineer who shall thereupon confirm, reverse or vary such decision.
 - (c) Any written instructions or written approval given by the Engineer's Representative to the contractor, within the terms of delegation of power and authority vested in 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. Contractor and the Trustees as though it had been given by the Engineer, who may from time to time, make such delegation.

3. THE TENDER / OFFER AND ITS PRE-REQUISITES

- 3.0. The Contractor shall, before making out and submitting his tender / offer be deemed to have inspected and examined the site, fully consider all factors, risks and contingencies, which will have direct

and in direct impact on his expenses and profit from the work and shall be specifically deemed to have taken the following aspects into consideration:

- (a) The form and nature of the site and its surroundings including their sub-surface, hydrological, tidal and climate 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.
 - (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.
 - (c) The accommodation required for the workmen and site office, mobilization / demobilization and storage of all plant, equipment and Construction 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 of Contractor's cost.
 - (e) Payment of taxes and duties and compliance of all applicable statutes, ordinances and law together with the rules made there under, 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.
 - (f) Payment of all kinds of stamp-duty for exacting the agreement or for any legal instrument including Bank Guarantees and Indemnity Bonds.
- 3.1. 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 initialing of the revised figure.
- 3.2. 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.
- 3.3. (a) Unless other wise stipulated in the Notice Inviting the Tender/Offer, every tender must be submitted with Earnest Money of the amount calculated as per the following scale.

Estimated Value	Amount of Earnest Money	
	For works contract.	For contract of supplying materials of equipment only
Up to Rs.1,00,000/-	5% of the estimated value of work	1% of the estimated value of work.
Over Rs. 1,00,000/-	2% of the estimated value of work subject to a maximum of Rs.20,000/- and minimum of Rs. 5,000/-	1/2% of the estimated value of work subject to a maximum of Ts. 10,000/- and minimum of Rs. 1,000/-

(b) Earnest Money shall be deposited with Trustees' treasurer in cash or by Banker's Cheque of any Kolkata Branch of a Nationalized Bank of India drawn in favour of Kolkata Port Trust or in the form of an "Kolkata Port Trust" and payable at Kolkata / Haldia Holding as the case may be and the receipt granted there for be kept attached to the Tender / offer in the Sealed Cover.

(c) Earnest Money of un-accepted tender shall be refunded without any interest through A/c. Payee Cheque drawn on a Nationalized Bank of Kolkata / Haldia.

(d) The enlisted (registered) Contractors of the Trustees, who have deposited fixed Security with the Trustees FA & CAO / Manager (Finance) according to his Class of Registration, shall be exempt from depositing the Earnest Money, as per the following scale:

	Class of Registration	Amount of Fixed Security	Financial limit of each tender
(e)	A	Rs. 10,000/-	Any tender priced up to Rs. 2,00,000/-
	B	Rs. 5,000/-	Any tender priced up to Rs.1,00,000/-
	C	Rs. 2,500/-	Any tender priced up to Rs.50,000/-

- (i) Tender submitted without requisite Earnest Money may be liable to rejection.
- (ii) If before expiry of the validity period of his Tender / offer, the tender 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 of the option of the Trustees.
- (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.
- (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.

Value of Work	% of Security Deposit for works contract	% of Security Deposit for Contract of supplying materials and equipments only
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/- + 7 1/2% on the balance	1% on first Rs.10,00,000/-+1/2% on the balance
For works costing more than Rs.20,00,000/-	10% on first Rs. 10,00,000/- + 7 1/2% on next Rs.10,00,000/-+ 5% on the balance	1% on first Rs.10,00,000/-+1/2% on next Rs.10,00,000/-+ 1/4% on the balance

- (h) Balance Security for Contract of supplying materials and equipment computed in terms of the percentages given above, shall have to be deposited with the trustees' Treasurer in advance and within 30 days from the date of placement of supply order, either in cash or by A/c. Payee Draft of a Nationalized Bank of India drawn in favour of Kolkata Port Trust and payable at Kolkata / Haldia, as the case may be.
- (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.

3.4.

- (i) The Security Deposit shall be refunded to the Contractor in terms of Clause 9.3 hereinafter and subject to deduction, if any, under the provision of Sub-Clause 3.5(ii) herein below. If, however, the contract provides for any maintenance period, 50% of the Security Deposit may be refunded against any of the Treasury Receipt for that amount on expiry of half of the maintenance period and the balance deposit on the said maintenance period and after the Engineer has certified the final completion of work in form G.C.2 and the Contractor has submitted his "No Claim" Certificate in form G.C.3.
- (ii) The Security Deposit/Earnest Money may be liable to forfeiture at the option of the Trustees, if the Contractor fails to carry out the work or to perform/observe any of the conditions of the contract. The Trustees shall also be at liberty to deduct any of their dues from the Security Deposit, fixed Security, Earnest Money or from any sum due or to become due to the Contractor under any other contract.

3.5. 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 Kolkata/Haldia Branch, as the case may be, of any Nationalized 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 are liable to forfeiture; all at 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-fulfillment 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.

4. THE CONTRACT & GENERAL OBLIGATIONS OF CONTRACTOR

4.0.

- (a) The contract documents shall be drawn-up in English language.
- (b) The contract shall be governed by all relevant Indian Acts as applicable only within the jurisdiction of the High Court at Kolkata, India, including the following Act:
 - i. The Indian Contract Act, 1872.
 - ii. The Major Port Trust, Act, 1963.
 - iii. The Workmen's Compensation Act, 1923.
 - iv. The Minimum Wages Act, 1948.
 - v. The Contract Labour (Regulation & Abolition) Act, 1970.
 - vi. The Dock Workers' Act, 1948.
 - vii. The Indian Arbitration Act (1940) (in the case of a definite arbitration Agreement only).

- 4.1. After acceptance of his Tender / Offer and when called upon to do so by the Engineer or his representative, the Contractor shall, at his own expense, enter into and execute a Contract Agreement to be prepared by him in the form annexed hereto. Until such Contract Agreement is executed the other documents referred to in the definition of the term "Contract" here-in-before shall collectively be the Contract.
- 4.2. 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.
- 4.3. Two copies of the Drawing 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.
- 4.4. 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.
- 4.5. 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 subletting under this clause.
- 4.6. 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.
- 4.7. 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.

- 4.8. 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. 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.
- 4.9. Necessary and adequate supervision shall be provided by the Contractor during execution of the works and as long thereafter as the Engineer or his Representative shall consider necessary during the maintenance period. The Contractor or his competent and authorised agent or representative shall be constantly at site and instructions given to him by the Engineer or his Representative in writing shall be binding upon the Contractor subject to limitation in clause 2.5 hereof. The Contractor shall inform the Engineer or his Representative in writing about such representative/agent of him at site.
- 4.10. The Contractor shall employ in execution of the Contract only qualified, careful and experienced persons and the Engineer shall be at liberty to direct the Contractor to stop deployment of any of his staff, workmen or official at site and the Contractor shall within 48 hours comply with such instruction without any demur, whenever the Engineer shall feel that the deployment of the person concerned will not be conducive to the proper and timely completion of the work.
- 4.11. 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.
- 4.12. 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 down cost as per instruction and to the satisfaction of the Engineer, failing which the Engineer or his Representative may cause the same to be made good by any other agency and the expenses incurred and certified by the Engineer, shall be recoverable from the Contractor in whatever manner the Engineer shall deem proper. This Clause will not apply to that part of the work, which might have been taken over by the Trustees on partial completion of the work and in such case the Contractor's obligation will be limited to repairs and replacement for manufacturing or construction defects during the Maintenance period (Guarantee Period) as per the directions of the Engineer as also for defects/ damages if any caused to the work by the Contractor during such repairs and replacement in the maintenance period.
- 4.13. The Contractor shall at his own cost protect, support and take all precautions in regard to the personnel or structure or services or properties belonging to the Trustees or not, which may be interfered with or affected or disturbed or endangered and shall indemnify and keep indemnified the Trustees against claim for injury, loss or damage caused by the Contractor in connection with the execution and maintenance of the work to the aforesaid properties, structures and services and/ or to any person including the Contractor's workmen. Cost of Insurance Cover, if any, taken by the Contractor shall not be reimbursed by the Trustees, unless otherwise stipulated in the Contract.
- 4.14. The Contractor shall immediately inform the Engineer's Representative 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.

- 4.15. The Contractor shall be deemed to have indemnified the Trustees against all claims, demands, actions and proceedings and all costs arising there from on account of:
- (a) Infringement of any patent right, design, trade-mark, or name or other protected right, in connection with the works or temporary work.
 - (b) Payment of all royalties, rent, toll charges, local taxes, other payments or compensation, if any, for getting all materials and equipment required for the work.
 - (c) Unauthorized obstruction or nuisance caused by the Contractor in respect of Public or Private road, railway tracks, footpaths, crane tracks, waterways, quays and other properties belonging to the Trustees or any other person.
 - (d) Damage / injury caused to any highway and bridge on account of the movement of Contractor's plants and materials in connection with the work
 - (e) Pollution of waterway and damage caused to river, lock, sea-wall or other structure related to waterway, in transporting contractor's plants and materials.
 - (f) The Contractor's default in affording all reasonable facilities and accommodation as per the direction of the Engineer or his Representative to the workmen of the Trustees and other agencies employed by or with the permission and / or knowledge of the Trustees on or near the site of work.
- 4.16. Debris and materials, if obtained by demolishing any properly, building or structure in terms of the Contract shall remain the property of the Trustees.
- 4.17. The Contractor's quoted rates shall be deemed to have been inclusive of the following :
- (a) Keeping the site free of unnecessary obstruction and removal from site of constructional plant wreckage, rubbish, surplus earth or temporary works no longer required.
 - (b) Cleaning and removal from site all the surplus materials of every kind to leave the site clean and tidy after completion of the work, without which payment against final bill may be liable to be withheld.
 - (c) Precautionary measures to secure efficient protection of Docks, the River Hooghly and other waterways against pollution of whatever nature during execution and maintenance of the works, and to prevent rubbish, refuse and other materials from being thrown into the water by the Contractor's men or those of his agency.
 - (d) Making arrangements for deployment of all labourers and workers, local or otherwise including payment for their wages, transport, accommodation, medical and all other statutory benefits and entry permits, wherever necessary.
 - (e) Making arrangements in or around the site, as per the requirements of Kolkata Municipal Corporation or other local authority or the Engineer or his Representative, for preventing (i) spread of any infectious disease like smallpox, cholera, plague or malaria by taking effective actions for destruction of rats, mice, vermin, mosquitoes etc. and by maintaining healthy and sanitary condition, (ii) illegal storage and distribution of Drugs, Narcotics, Alcoholic liquor, Arms and Ammunitions, (iii) unlawful, riotous or disorderly conduct of the Contractor's or his Sub-Contractor's workmen, (iv) deployment of workmen of age less than 16 years.
- 4.18. Every direction or notice to be given to the Contractor shall be deemed to have been duly served on or received by the Contractor, if the same is posted or sent by hand to the address given in the tender or to the Contractor's Site Office or in case of Trustee's enlisted Contractor to the address as appearing in the trustee's Register or to the Registered Office of the Contractor. The time mentioned in these conditions for doing any act after direction or notice shall be reckoned from the time of such posting or dispatch.
- 4.19. 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.
- 4.20. 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.

- 4.21. The work has to be carried out by the Contractor causing the minimum of hindrance for any maritime traffic or surface traffic.
- 4.22. 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 a 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.

5. COMMENCEMENT, EXECUTION AND COMPLETION OF WORK

- 5.0. 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.
- 5.1. The Contractor shall provide and maintain a suitable office at or near the site, to which the Engineer's Representative may send communications and instructions for use of the Contractor.
- 5.2. 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.
- 5.3. 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.
- 5.4. Unless stipulated otherwise, in the contract, all materials, workmanship 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 materials and workmanship shall be of the best of their respective kinds to the satisfaction of the Engineer.
- 5.5. 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.
- 5.6. 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.
- 5.7. 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.
 - (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.
 - (c) The Trustees' materials will generally be supplied in stages and in accordance with the rate of progress of work, but, except for grant of suitable extension of completion time of work as decided by the Engineer, the contractor shall not be entitled to any other compensation, monetary or otherwise, for any delay in the supply of Trustees' materials to him. The Contractor shall, however communicate his requirement of such materials to the Engineer from time to time.

- (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 / 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 / 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.
- (e) If the Engineer decides that due to the contractor's negligence, and 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—
- i. The issue rate of the materials at the Trustees' Stores, and
 - ii. The market price of the material on the date of issue as would be determined by the Engineer.

5.8. 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 of such materials and re-do any work in the manner convenient to the Trustees by engaging any outside agency at the risk and expense of the contractor and after giving him a written prior notice of 7 days.

5.9. No work shall be covered up and put out of view by the contractor without approval of the Engineer or his Representative and whenever required by him the contractor shall uncover any part or parts of the work or make openings in or through the same as may be directed by the Engineer or his Representative from time to time and shall reinstate or make good those part of works thus affected to the satisfaction of the Engineer, all at the cost of the contractor. The Trustees shall reimburse such cost as determined by the Engineer, if the initial covering up was with prior written order of the Engineer or his Representative.

5.10. 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

- i. Otherwise provide for in the contract, or
- ii. Necessary by reason of some default on the part of the Contractor, or
- iii. Necessary by reason of climatic conditions on the site, or
- iv. 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.

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 instruction.

- 5.11. 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 takeover and / or used by the Trustees the Contractor shall on application be entitled to partial completion certificate in the Form of G.C.1 indicating the portion of the work covered by it, so that the Contractor's liability during maintenance period of the contract, if any, shall commence from the date mentioned in such certificate so far as the completed portion of the work is concerned.

6. TERMS OF PAYMENT:

- 6.0. 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. On account payments, if any, made prior to issue of the certificate in Form G.C.2, shall all be treated as mere advances, 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.
- 6.1. All payments shall be made to the Contractor on the basis of measurement 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 decided any other rate for change in the scope of work or omission, if any, on the part of the Contractor.
- 6.2. 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.
- 6.3. 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 taken of acceptance of all such measurements, recorded above and prior to such signature. If the Contractor or his Agent fails to participate even other 3 days written notice from the Engineer's Representative the measurement shall be taken ex-part by the Engineer's representative and those shall be accepted by the Contractor.
- 6.4. 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, amount and recoveries to type out the bill.
- 6.5. 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.
 - ii. The value of such materials shall be assessed by the Engineer or his Representative, at their own discretions,
 - iii. A formal agreement has been drawn up with the contractor, under which the Trustees secure a lien on the contractor's materials.

- iv. The materials are safe-guarded by the contractor against losses, shortage and misuse due to the contractor postponing the execution of the work or otherwise,
 - v. In the event of shortage 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 Trustee' whereby the contractor shall indemnify the Trustees' against all financial loss/ damage, on account of loss/ damage to such materials for whatever reasons.
 - vi. In the event of storage of such materials outside the Trustees' protected areas the Contractor shall submit to the Engineer an irrevocable Bank Guarantee favouring the Trustees and for the same sum as is being advance, in the proforma and manner acceptable to the Trustees. The Guarantee shall be of a Kolkata / Haldia Branch of any Nationalised Bank or a Scheduled 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.
- 6.6. 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 over certify for payment or the Trustees should over-pay the Contractor on any account.
- 6.7. No claim for interest shall be admissible to the Contractor at any stage and in respect of any money or balance or Bank Guarantee, which may be due to the Contractor from the Trustees, owing to dispute or otherwise or for any delay on the part of the Trustees in making interim or final payment or otherwise.

7. VARIATION AND ITS VALUATION:

- 7.0. 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 fulfillment of his obligation under the contract.
- 7.1. The Engineer shall have the power to order the Contractor in writing to make any variation of the Quantity, quantity 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:
- 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.
- 7.2. 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.
- 7.3. Provided always that written order of the Engineer shall not be required for increase or decrease in the quantity of any work up to 15% where such increase or decrease is not the result of any variation order given under this clause but is the result of the quantities exceeding or being less than those stated in the bill of quantities. Provided also that verbal order of variation from the Engineer shall be complied with by the Contractor and the Engineer's subsequent written confirmation of such verbal order shall be deemed to be an order in writing within the meaning of this clause.

7.4. a) The Contractor shall not be entitled to any claim of extra or additional work unless they have been carried out under the written orders of the Engineer.

b) The Engineer shall solely determine the amount (if any) to be added to or deducted from the sum named in the tender in respect of any extra work done or work omitted by his order.

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

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

8. DELAY / EXTENSION OF COMPLETION TIME / LIQUIDATED DAMAGE / TERMINATION OF CONTRACT.

8.0. 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 commotions 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 Damaged" Clause (No.8.3 hereof) on the Contractor and his decision shall be binding on the contractor. If an extension of completion time is granted by the Engineer, the clause No.8.3 of the Liquidated damage shall apply from its date of expiry, if the work be not completed within the extended time, unless stated otherwise in the decision communication by the Engineer, as aforesaid.

8.1. 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, $\frac{1}{2}$ % (half percent) of the total value of work (contract price) as mentioned in the latter 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% the said value of work.

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.

8.2. Without being liable for any compensation to the Contractor, the Trustees may, in their absolute discretion, terminate the contract 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:

(i) The Contractor has abandoned the contract.

(ii) In the opinion of the Engineer, either the performance of the Contractor is not satisfactory or the work is not getting completed within the agreed period on account of Contractor's lapses.

- (iii) The Contractor has failed to commence the work or has without any lawful excuse under these conditions, has kept the work suspended despite receiving the Engineer's or his Representative's written notice to proceed with the work.
 - (iv) The Contractor has failed to remove materials from site after receiving from the Engineer or his Representative the written notice stating that the said materials or work are rejected by him.
 - (v) The Contractor is not executing the work in accordance with the contract or is persistently or flagrantly neglecting to carry out his obligations under the contract.
 - (vi) Any bribe, commission, gift or advantage is given, promised or offered by or on behalf of the contractor to any officer, servant or representative of the Trustees or to any person on his or their behalf in relation to the obtaining or to the execution of the contract.
 - (vii) The Contractor is adjudged insolvent or enters into composition with his creditors or being a company goes into liquidation either compulsorily or voluntarily.
- 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 of the Contractor's risk and expense and the Contractor shall be debited any sum or sums that may be expended in completing the work beyond the amount that would have been due to the contractor, had he duly completed the whole of the work in accordance with the contract.
- 8.3.3 Upon termination of contract, the contractor shall be entitled to receive payment of only 90 % of the value of the work actually done or materials actually supplied by him and subject to recoveries as per contracts, 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 and known in all respect.

9. MAINTENANCE AND REFUND OF SECURITY DEPOSIT :

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

10. INTERPRETATION OF CONTRACT DOCUMENTS , DISPUTES & ARBITRATION

- 10.0. In all disputes, matters , claims , demands or questions arising out of or connected with the interpretation of the Contract including the meaning of Specifications 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 work 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 .
- 10.1. 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.
- 10.2. If , however , the contractor be still dissatisfied with the decision of the Chairman , he shall, within 15 days after receiving notice of such decision required 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 .
- 10.3.1 If the Arbitrator so appointed is unable or unwilling to act or resigns his appointment or vacates his office due to any reason whatsoever, another person from panel shall be appointed as Sole Arbitrator and he shall proceed from the stage at which it was left by his predecessor.
- 10.3.2 The Arbitrator shall be deemed to have entered on reference on the date he issues notice to both the parties fixing the date of first hearing.
- 10.3.3 The time limit within which the Arbitrator shall submit his award shall normally be 4 months as provided in Indian Arbitration Act, 1940 or any amendment thereof. The Arbitrator may, if found necessary, enlarge the time for making and publishing the award, with the consent of the parties.
- 10.3.4 The Venue of the arbitration shall be Kolkata or as may be fixed by the Arbitrator in his sole discretion. Upon every or any such reference to cost of any incidental to the reference and award respectively shall be in 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 there under, for the time being in force, shall apply to the arbitration proceedings under this Clause.
- 10.3. The Contractor shall not suspend or delay the work and proceed with the work with due diligence in accordance with Engineer's decisions. 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.
- 10.4. Provided always as follows:
- (a) Nothing of the provisions in paragraphs 8.3 to 8.3.7 hereinabove would apply in the case of contracts , where tendered amount appearing in the letter of acceptance of the tender / offer is less than Rs.40,00,000/-.
 - (b) The Contractor shall have to raise disputes or differences of any kind whatsoever in relation to the execution of the work to the Engineer within 30 days from the date of occurrence of the cause of dispute and before the preparation of the final bill, giving detailed justifications, in the context of contract conditions.
 - (c) Contractor's dispute, if any, arising only during the maintenance period stipulated in the contract, must be submitted to the Engineer, with detailed justifications in the context of contract Conditions, before the final completion of the work.

No dispute or difference on any matter whatsoever, pertaining to the contract can be raised by the contractor after the completion of the work.

- (d) Contractor's claim / dispute raised beyond the time limits prescribed in sub-clauses 8.5(b) and 8.5(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 on their sole discretion, by adding the names of new Arbitrators and / or by deleting the names of existing Arbitrators, without any reference to the Contractor.

KOPT

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

CONTRACT NO.

To,

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

I/We of

.....

having examined the site of works, inspected the Drawings and read the Specifications, General and Special Conditions of Contract and Conditions of Tender, hereby tender and undertake to execute and complete all the works required to be performed in accordance with the Specification, Bill of Quantities, General & Special Conditions of Contract and Drawings prepared by or on behalf of the Trustees and at the rates and prices set out in the annexed Bill of Quantities with month/week from the date of the 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 the acceptance of the Tender and incorporating such Specification, Bill of Quantities, Drawings and Special & General Conditions of Contract and I/We hereby agree that until such Contract Agreement is executed the said Specifications, Bill of Quantities, Conditions of Contract and the Tender, together with the acceptance thereof in writing by or on behalf of the Trustees shall be the Contract.

THE TOTAL AMOUNT OF TENDER Rs

(Repeat in words).....

.....

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

(* This should be scored out in the case of labour contracts)

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

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

Signature of the Tenderer

Witness:

(Seal of the Tenderer)

Signature

Name of the Tenderer

Name

(In Block Letters)

(In Block Letters)

Address

Dated

.....

Address

Occupation

.....

THE BOARD OF TRUSTEES FOR THE PORT OF KOLKATA

FORM OF AGREEMENT

THIS AGREEMENT made thisday of.....200.....between the Board of Trustees for the Port of Kolkata, a body corporate constituted by the Major Port Trusts Act, 1963 (hereinafter called "Trustees" which expression shall unless excluded by or repugnant to the context be deemed to include their successors in office) of the one part and(hereinafter called " the Contractor ", which expression shall unless excluded by or repugnant to the context be deemed to include its heirs, executors, administrators, representatives and assignees or successors in office) of the other part.

WHEREAS the Trustees are desirous that certain works should be executed / constructed , viz.and have accepted a Tender / Offer by the Contractor for the execution and maintenance of such work NOW THIS AGREEMENT WITNESSETH as follows :

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in General Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.
 - (a) The said Tender / Offer & the acceptance of the Tender / Offer
 - (b) The General Conditions of Contract
 - (c) The Special Conditions of Contract
 - (d) The Conditions of Tender
 - (e) The Technical Specifications
 - (f) The Schedule of Rates
 - (g) The Terms of Payment

(h) All correspondence by which, the contract is added, amended, varied or modified in any way by mutual consent.

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

IN WITNESS whereof of the parties hereto have caused their respective Common Seals to be hereunto affixed (or have hereunto set their respective hands and seals) 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 the presence of:

Name.....

Address:

KOLKATA PORT TRUST

FORM G.C.1

Contract

Address

.....

Date of Completion

Dear Sir/s,

This is to certify that the following works viz.

Name of the Work.....

Estimate Number E.E.Odt

C.E.Odt

Work Order Number

Allocation

Contract Number

Which was carried out by you is in the opinion of the undersigned completing in every respect on the Day of20..... in accordance with clause 62 of the General Conditions of Contract and under the provisions of the Contract for a period of Days /weeks / months / years.

From the day of 20

of the day of 20

Signature (.....)

(Engineer / Engineer's Representative)

Name.....

Designation.....

Office Seal

c.c. to The Deputy Chief Engineer ()

The Deputy Manager ()

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

KOLKATA PORT TRUST

FORM G.C.2

The Financial Adviser & Chief Accounts Officer.

The Manager (finance), Haldia Dock Complex.

CERTIFICATE OF FINAL COMPLETION

This is to certify that the following works viz.

Name of Work

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

C.E.O. Nodt

Work Order Nodt

Contract No

Resoln. No & 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 the obligations under Contract have been fulfilled by the Contractor.

Signature (.....)
(Engineer / Engineer's Representative)

Name.....

Designation.....

Office Seal

KOLKATA PORT TRUST

FORM G.C.3

(‘No Claim’ Certificate From Contractor)

The Engineer
Kolkata Port Trust
Kolkata / Haldia

(Attn)

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

Dear Sir,

I/We do hereby declare that I/We have received full and final payment from Kolkata Port Trust for the
execution of the following work, viz.

Name of Work

Work Order No dt

Contract Nodt.....

Agreement Nodt.....and I/We have no
further claim against Kolkata Port Trust in respect of the above mentioned job.

Yours faithfully,

(Signature of Contractor)

Date

Name of Contractor

Address

.....

(Official Seal of the Contractor)

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

To

The Board of Trustees

for the Port of Kolkata.

BANK GUARANTEE NO.....DATE.....
 Name of issuing Bank.....
 Name of Branch.....
 Address.....

In consideration of the Board of Trustees of the Port Kolkata, a body corporate - duly constituted under the Major port Trust Act, 1963 (Act 38 of 1963), having agreed to exempt Shri / Messrs a proprietary / Partnership / Limited / Registered Company, having its Registered Office at (hereinafter referred to as "The Contractor") from cash payment of Security Deposit / Payment of Security Deposit through deduction from the Contractors' bills under the terms and conditions of a contract made between the Trustees and the Contractor for (write the name of the work as per Work Order) in terms of the Work order No dated.....(hereinafter referred to as "the said contract"), for the due fulfillment by the contractor of all the terms and conditions contained in the said contract, on submission of a bank Guarantee for Rs (Rupees) we,.....Branch, Kolkata...../ Haldia, do on the advise of the contractor, hereby undertake to indemnify and keep indemnified the Trustees to the extent of the said sum of Rs (Rupees) We.....Branch,Kolkata/Haldia, further agree that if a written demand is made by the Trustees through any of its officials for honoring the Bank Guarantee constituted by these presents, We,..... Branch, Kolkata /Haldia shall have no right to decline to cash the same for any reason whatsoever and shall cash the same and pay the sum so demanded to the Trustees within a week from the date of such demand by an A/c. Payee Banker's Cheque drawn in favour of "Kolkata Port Trust", without any demur. Even if there be any dispute between the contractor and the Trustees, this would be no ground for us,.....(Name of Bank), Branch, Kolkata...../Haldia to decline to honour the Bank Guarantee in the manner aforesaid. The very fact that We,Branch,Kolkata/Haldia, decline or fail or neglect to honour the Bank Guaranteed in the manner aforesaid shall constitute sufficient reason for the Trustees to enforce the Bank Guarantee unconditionally without any reference, whatsoever, to the contractor.

2. We,.....Branch,Kolkata...../Haldia, further agree that a mere demand by the Trustees at any time and in the manner aforesaid, is sufficient for us, Branch, Kolkata / Haldia, to pay the amount covered by this Bank Guarantee in full and in the manner aforesaid and within the

time aforesaid without reference to the contractor and no protest by the contractor, made either directly or indirectly or through Court, can be valid ground for us,
.....Branch,Kolkata /Haldia, to decline or fail or neglect to make payment to the Trustees in, the manner and within the time aforesaid.

3. We, Branch, Kolkata /Haldia, further agree that the Bank Guaranteed herein contained shall remain in full force and effect, during the period that is taken for the due performance of the said contract by the contractor and that is shall continue to be enforceable till all the dues of the Trustees under and/or by virtue of the terms and conditions of the said contract have been fully paid and its claim satisfied and/or discharged in full and/or till the Trustees certify that the terms and conditions of the said contract have been fully and properly observed/fulfilled by the contractor and accordingly, the Trustees have discharged the Bank Guarantee, subject however, that this guarantee shall remain valid up to and inclusive ofday of19.....and subject all so that the provision that the Trustees shall have no right to demand payment against this guarantee after the expiry of 6(six) calendar months from the expiry of the aforesaid validity period up to Or any extension thereof made by us,Branch, Kolkata/Haldia, in further extending the said validity period of this Bank Guarantee on Non-Judicial Stamp Paper of appropriate value, as required / determined by the Trustees, only on a written request by the Trustees to the contractor for such extension of validity of this Bank Guarantee.

4. We, Branch,Kolkata /Haldia, further agree that, without our consent and without affecting in any manner our obligations hereunder, the Trustees shall have the fullest liberty to vary from time to time any of the terms and conditions of the said contract or to extend the time for full performance of the said contract including fulfilling all obligations under the said contract by the contractor or to postpone for any time or from time to time any of the powers exercisable by the Trustees against the contractor and to forebear or enforce any of terms and conditions relating to the said contract and We, Branch, Kolkata/Haldia, shall not be relieved from our liability by reason of any such variation or extension being granted to the contractor or for any forebearance, act or commission on the part of the Trustees or any indulgence by the Trustees to the contractor or by any such matter or thing of whatsoever nature, which under the law relating to sureties would, but for this provision, have effect of so relieving us,.....Branch, Kolkata...../Haldia.

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

SIGNATURE.....

NAME.....

DESIGNATION.....

(Duly constituted attorney for and on behalf of)

BANK.....

BRANCH.....

Kolkata...../Haldia.

(OFFICIAL SEAL OF THE BANK)

ADDENDUM

Modification of clause no.3.4 of GCC as sanctioned vide Reso. No.210 by the Board of Trustees for the Port of Kolkata in the 13th Meeting held on 26.02.2013.

- i. **Earnest Money** : Earnest money deposit @ 2% of the estimated cost will be applicable for works / service / O&M contract only and not for procurement contract for which existing system as mentioned in the GCC should be followed.
- ii. **There will be no minimum ceiling of Earnest Money** which will be @ 2% of estimated cost of projects upto Rs.10 crore. EMD of project estimated above Rs.10 crore will be Rs.20 lakh + 1% of estimated cost by which it exceeds Rs.10 crore.
- iii. **Upto Rs.10 lakh Earnest Money** will be accepted by Banker's cheque / Demand Draft / Pay order. EMD beyond Rs.10 lakh may be accepted in the form of Bank Guarantee issued by an Indian Nationalized / Scheduled Bank.
- iv. **Refund of Earnest money** to other than L-1 bidders will be made within 2 month of opening of bid or on finalization / acceptance of tender, whichever is earlier.