



SYAMA PRASAD MOOKERJEE PORT, KOLKATA

(Erstwhile Kolkata Port Trust)

KOLKATA DOCK SYSTEM

MECHANICAL & ELECTRICAL ENGINEERING DEPARTMENT

8, Garden Reach Road, Kolkata – 700 043

TENDER DOCUMENT

for

Work : “Electrical Installation work related to new Reefer Park at 3 NSD, KDS.”

Notice Inviting Tender No.: SMP/KDS/Mech/SE-II/ADV/ 562 dated 09.09.2020

- | | |
|--|------------------------------|
| • Site inspection & Pre-bid meeting | : 22.09.2020 at 12.00hrs. |
| • Start date of submission of e-tender | : 28.09.2020 from 12.00hrs. |
| • Closing date for e-Tender | : 06.10.2020 up to 14.30hrs. |
| • Date of opening of Techno-commercial bid | : 07.10.2020 at 12.00hrs. |

Tender Fee: Rs. 1,770/- (including GST) (Non-Refundable)

Chief Mechanical Engineer (I/C)

TENDER DOCUMENT

SYAMA PRASAD MOOKERJEE PORT, KOLKATA KOLKATA DOCK SYSTEM

e-TENDER FOR “Electrical Installation work related to new Reefer Park at 3 NSD, KDS”.

NOTICE INVITING TENDER No.: SMP/KDS/Mech/SE-II/ADV/ 562 dated 09.09.2020

TENDER NOTICE

Mechanical & Electrical Engineering Department of Syama Prasad Mookerjee Port, Kolkata invites E-Tender under single stage two part system (i.e. Part-I: Techno-Commercial Bid and Part-II: Price Bid) for “Electrical Installation work related to new Reefer Park at 3 NSD, KDS”.

Bid Document may be downloaded from CPP Portal and SMP, KOLKATA (SYAMA PRASAD MOOKERJEE PORT, KOLKATA) website: www.kolkataporttrust.gov.in Corrigenda or clarifications, if any, shall be hosted on the above mentioned websites only.

SCHEDULE OF TENDER (SOT)

TENDER NO.	SMP/KDS/Mech/SE-II/ADV/ 562 dated 09.09.2020
MODE OF TENDER	e-Procurement System (Online Part I - Techno-Commercial Bid and Part II - Price Bid through CPP Portal.) 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 Tender	Rs 1,24,31,058.00 (Rupees One Crore Twenty Four Lacs Thirty One Thousand and Fifty Eight Only).
i) Earnest Money Deposit @ 2% of Estimated value of Tender	The intending bidders should submit Earnest Money of Rs. 2,48,622/- (Rupees Two Lakh Forty Eight Thousand Six Hundred and Twenty Two Only).
ii) Tender Cost	The intending bidders should submit Tender cost of Rs. 1,770/- including GST @ 18%. “Tender Cost” & “EMD” 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”.
	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, before opening of techno-commercial bid, failing which techno-commercial bid will not be opened.

Date of NIT available to parties to download	15.09.2020 at 17-00 hrs.
Date and time of Pre-Bid meeting	22.09.2020 at 12-00 hrs.
Date of starting of online submission of bid (Techno-Commercial Bid and price Bid) through <u>CPP</u> Portal	28.09.2020 from 12-00 hrs.
Date of closing of online submission of Bid.	06.10.2020 at 14-30 hrs.
Date and time of opening of Techno-Commercial Bid	07.10.2020 at 12-00 hrs.
Date and time of opening of Price Bid	To be informed separately by letter or email or telephone.

- 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.
- The tender document through NIC's CPP Portal for e-Procurement (GePNIC) is open from 15.09.2020 to 06.10.2020 and can be downloaded from the official website of SMP, Kolkata and through NIC's CPP Portal for e-Procurement (GePNIC).
- The complete tender document can be downloaded from Kolkata Port Trust website: www.kolkataporttrust.gov.in [Tender Mechanical & Elect. Eng. Dept.] 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).
- 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.
- No physical tender is acceptable by Kolkata Dock System.
- Minutes of meeting /Corrigendum / addendum / clarifications, if any, shall be hoisted on the www.kolkataporttrust.gov.in and <https://eprocure.gov.in/eprocure/app>.

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

List of Annexure

Notice Inviting Tender No.: SMP/KDS/Mech/SE-II/ADV/562 dated 09.09.2020

Instruction to Tenderers	Annexure – A	Page : 5 - 7
Terms and Conditions of Tender	Annexure – B	Page :8 - 12
Special Conditions of Contract	Annexure – C	Page :13 - 23
Scope of Work and Technical Specification	Annexure – D	Page : 24 - 45
Bill of Quantity	Annexure - E	Page : 46 - 57
Profile of Tenderer, Covering letter & Schedule “O”	Annexure – F	Page : 58 - 64
Affidavit for ESI	Annexure – G	Page : 65
Indemnity Bond for ESI	Annexure – H	Page : 66
Undertaking Format	Annexure - I	Page : 67
Checklist for Documents to be Uploaded	Annexure – J	Page : 68
General Conditions of Contract, Forms and Agreement	Annexure – K	Page : 69-111

Chief Mechanical Engineer (I/C)
SYAMA PRASAD MOOKERJEE PORT, KOLKATA
Tender Inviting Authority

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 15.09.2020(17:00 hrs) to 06.10.2020(14:30 hrs) and can be downloaded from the official website of SMP, Kolkata 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 SMP, Kolkata. 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 SMP, Kolkata (before the scheduled time of the e- tender). Contact person (SMP, Kolkata):</p> <p>1. Mr. Sourav Mitra Dy. Chief Mechanical Engineer-II Mobile No. 96747 20040 Email: souravmitra@kolkataporttrust.gov.in</p> <p>2. Mr. Sanjib Sarkar SuperintendingEngineer(Elect) Mobile No. 96747 20094 Email: sanjib@kolkataporttrust.gov.in</p>
5.	All notices /corrigendum and correspondence to the bidder(s) shall be sent by email only during the process till finalization of tender by SMP, Kolkata. 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).
6.	E-tender cannot be accessed after the due date and time mentioned in NIT.
7.	<p>(a). 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>(b). The process involves Electronic Bidding for submission of Tender Document Fee and EMD, Techno- Commercial Bid as well as Price Bid.</p> <p>(c). The e-tender floor shall remain open from the pre-announced date & time and for as much duration as mentioned above.</p> <p>(d). 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 fulfils all the terms and conditions of the Tender Document.</p> <p>(e). 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>(f). SMP, Kolkata 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>(g). 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>(h). 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.	SMP, Kolkata 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 EXCEL Sheet through CPP PORTAL (which is uploaded by SMP, Kolkata).
15	EMD & Tender Fee should reach this office physically before opening of Tender document, failing which techno-commercial bid will not be opened.
16	EMD & Tender Fee details are to be treated as essential documents should upload with the other essential documents.

Terms and Conditions of Tender

Notice Inviting Tender No.: SMP/KDS/Mech/SE-II/ADV/ 562 dated 09.09.2020

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 31.03.2020 should be at least Rs. 37,29,318/- (30% of estimated value). Audited Balance Sheets as well as 'Profit & Loss Accounts' for the last three financial years ending 31.03.2020 have to be submitted. In the event of non-availability of Audited Balance Sheets for the financial year ending 31.03.2020, the turn over for that financial year has to be submitted in lieu, duly certified by Chartered Accountant mentioning UDIN (Unique Document Identification Number).

ii) The firms must have either of the following as experience of having successfully completed similar works during last seven years, ending on 31.08.2020:

a) Three similar completed works each costing not less than Rs. 49,72,424/- (40% of the estimated value).

Or

b) Two similar completed works each costing not less than Rs. 62,15,529/- (50% of the estimated value).

Or

c) One similar completed works costing not less than Rs. 99,44,847/- (80% of the estimated value).

Here "similar works" means "**Supply, Installation, testing and commissioning of HT Switchgear, including HT/LT cable laying & terminations, earthing pits, interconnections and other allied works.**" Work experience as a subcontractor or supply contractor shall not be considered as requisite qualification. The Tenderer shall have to upload documents, viz. order letter, performance certificates (from credential issuing authority) 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 asunder:

(a) Demand Draft/Pay Order/ Banker's Cheque from any Scheduled/ Nationalized Bank in original, for **Rs. 1,770/-** (Rupees One Thousand Seven Hundred and Seventy Only) as cost of Tender Document.

(b) Demand Draft/Pay Order/ Banker's Cheque from any Scheduled/ Nationalized Bank in original, for **2,48,622/-** (Rupees Two Lakh Forty Eight Thousand Six Hundred and Twenty Two Only) as Earnest Money Deposit.

(c) Valid NSIC Certificate in case of Micro and Small Enterprises (MSEs) registered with NSIC (under single point Registration Scheme) or valid DIC 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. **2017-18, 2018-19, 2019-20**), and the same should be audited as per relevant norms wherever required. Certificate issued by concerned Chartered Accountant on or after 01.02.2019 must incorporate UDIN (Unique Document Identification Number). In the event of non-availability of Audited Balance Sheets for the financial year ending 31.03.2020, the turn over for that financial year has to be submitted in lieu, duly certified by Chartered Accountant mentioning UDIN.

(ii) Self attested documentary evidence of successful completion of similar work as proof of fulfilling the Pre-qualification Criteria of the tender.

(iii) Copy 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 SMP, Kolkata 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 and Electrical Contractor's 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 SMP, Kolkata, 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) Details of registration under EPF Act: Intending tenderers shall have to furnish the details of EPF Registration, failing which tender/offer would be liable to be cancelled. Documentary evidences in support of non-applicability of registration under EPF Act shall have to be furnished.

(x) NSIC Certificate in case of Micro and Small Enterprises (MSEs) registered with NSIC (under single point Registration Scheme) having valid 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**).

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

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

3. All the document as mentioned here-in-before shall have to be UPLOADED or shall have to SUBMIT, if asked for, 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.
4. 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.

5. 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. However, for a single part single envelope tender both the Techno-commercial bids & Price Bids will be opened simultaneously for evaluation.
6. The Trustees reserve the right to accept or reject the tender without assigning any reason whatsoever.
7. The Trustees will not be responsible for any cost or expense incurred by the Tenderer in connection with preparation or submission of the tenders.
8. 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 17-30hrs.
9. 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 SMP, Kolkata 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 hoisted in SMP, Kolkata’s website for information of all concerned and the

same shall form a part of the Tender Document. Any offer having deviation from SMP, Kolkata's terms and conditions shall render such offer unacceptable to SMP, Kolkata. 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.

10. The quoted rate should be exclusive of GST. 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.
11. **Validity of offer:** The offer 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.
12. 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.

12. Evaluation criteria:

- (i) During evaluation of Price Part, provided that the bidder submits his offer following e-tender stipulations & specifications, the overall lowest offer received shall be considered for acceptance by the Trustees.
- (ii) The price offer should be exclusive of GST. GST will be paid extra at applicable rates at the time of supply of goods and services.
13. If excess work is required to be carried out in addition to the quantities stipulated in BOQ, the amount will be paid on par with the quoted offer and as per actual measurement. In case of extra work, the same will be paid as per rate of PWD schedule/ rate of reputed manufacturer /market rate with justification of rates as the case maybe.
14. The contract document shall be drawn in English language only.
15. 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, By-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, By-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 License 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.

Special Conditions of Contract

Notice Inviting Tender No.: SMP/KDS/Mech/SE-II/ADV/ 562 dated 09.09.2020

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 by-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 SMP, Kolkata 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.
4. 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.
5. 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 only. No foreign exchange is payable on this contract.
6. 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 SMP, Kolkata for loss or damage accrued to any property or rights of SMP, Kolkata whatever, including SMP, Kolkata'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 SMP, Kolkata against all claims enforceable against SMP, Kolkata (or agents/servants/employees of SMP, Kolkata) or which would be so enforceable against SMP, Kolkata where SMP, Kolkata 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.
7. 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 of GCC regarding delay/extension of time/LD/ Termination of contract.**
8. 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.

9. SMP, Kolkata 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 SMP, Kolkata or any other person on his or their behalf in relation to the acceptance of this tender.
10. 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 SMP, Kolkata. In the event of any Tenderer failing to comply with the aforesaid requirement, the tender/ contract, if entered into, may be terminated.
11. At any time, prior to the last date of submission of Tenders, SMP, Kolkata reserves the right to amend and modify the Tender Document. Such amendment shall be hoisted in CPP Portal as well as in SMP, Kolkata's Portal and SMP, Kolkata 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. SMP, Kolkata 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.
12. 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.
13. 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/By-laws/Statutory Requirements including Dock Safety Regulations 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.
14. 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.
15. **Completion time: One Hundred and Eighty (180) days from the date of placement of order letter.**
16. 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.
17. 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.

Tenderer/s shall also sign every page of the tender documents in token acceptance thereof.

18. **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.

19. **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.
20. **Entry Permit:** The Contractor shall be governed by the following provisions for interfacing safety custody and proper use of Dock Permits:
 - A. **All** representatives and workers of the contractor shall possess the RFID Dock Permit issued by Dock Permit Office at the recommendation of concerned officer/Engineer on monthly or daily basis, free of cost. A token charge as per applicable present rate per person per occasion will be levied for creation of new IDs in the permit system. A separate receipt indicating the details of the ID along with the amount charged will be issued which may be kept for future reference.
 - B. **The** Contractor shall ensure that any Dock Permit issued to their workmen or representative by the Permit Office are not misused by un-authorized persons for entry into the protected dock area.
 - C. **It** shall amount to breach of rules and regulations regarding entry into the prohibited area by the Contractor in case the Dock Permit issued at their request are found to be misused by any authority/person.
 - D. Contractor and their workmen including driver & helper must use PPE i.e. safety helmet, safety shoe etc. at the time of work inside the dock premises.
 - E. **The** Contractor and their defaulting employees shall be liable for legal action against them for breach of rules regarding entry into the protected area.
21. **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.
22. **Drawings:** On completion of all work, the Contractor shall furnish three copies of all “As made” drawings including cable route diagram to the Engineer without any cost.
23. **Specifications/ Codes and Standards:** All works under this contract will be executed according to the Trustees’ Specification for works. Whenever the details are not specifically covered in the specifications, relevant provisions in the latest revision and/ or replacements of the Indian Standard Specifications (IS) or any other International Code of Practice/ CPWD specifications will be followed. The Contractor shall have to procure copies of such codes/ standards for ready reference of his own personnel as well as the Engineer or his representative at site at his own cost and without any additional reimbursement.
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 or 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 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 execution at the work site or its vicinity to SMP, Kolkata store/yard, dispose of 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 existingservice:**

The contractor must pay full attention to the fact that the existing service facilities for SMP, Kolkata 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. **SafetyMeasures:**

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

The contractor shall provide all necessary first aid measures, rescue and lifesaving equipment to be available in proper condition. The contractor shall provide **PPE's (Personal Protective Equipment)** such as, helmet, safety shoe etc. to all workers and shall also provide job specific PPE's e.g. safety belts for working at heights; protective face and eye shield, goggles, hand gloves

for welding / gas cutting works; protective foot wear and gloves for hot works; facemasks, gloves and overalls for painting works, mixing and handling materials etc., as directed by the Engineer.

All safety rules shall be strictly followed while working on live electrical systems or installations as stipulated in the relevant safety codes. Use of hoisting machines and tackles including their attachments, construction tools, machineries and equipment shall comply with the relevant safety codes. Before allowing workers in sewers, manholes, any duct or covered channel etc, the manhole covers shall have to be kept open and ventilated at least one hour in advance and necessary safety torches / lamps should be inserted first before allowing entry to the worker. Suitable hand gloves and other safety gear is to be provided by the successful contractor to the worker during handling / removing of slushes / sludge etc. without any extra cost. The contractor shall adopt all the above safety measures at his own cost.

The successful bidder shall also ensure that:

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

30. Forwarding of Materials:

All dismantled unserviceable materials are to be disposed of 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.

- 31. SMP, Kolkata will issue necessary permits/ photo permits free of costs for all the personnel of the contractor or his sub-contractor who will be involved in the tendered work. On closure of the contract, all these permits shall have to be returned before finalization of the pending bills/dues.
- 32. The Contractor shall arrange all necessary tools, tackles, equipment, measuring & testing equipment etc. required for commissioning of the work & maintenance work thereafter at no extra cost to Kolkata Port Trust.
- 33. The contractor shall start the work on "As-is-where-is" basis of the electrical installations.
- 34. The Contractor shall arrange the services, if any, required from indigenous/ foreign companies at no extra cost to Kolkata Port Trust.
- 35. SMP, Kolkata will provide general security of the entire working area. SMP, Kolkata is covered by **ISPS (International Ship and Port Facilities Security)** code. The contractor shall have to arrange for security of their materials, stock etc., if considered necessary and related coverage at his cost.
- 36. 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.

37. 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.
38. 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 SMP, Kolkata or the participants /visitors at the port. **The firm/contractor shall not allow or permit employees to participate in any trade union activities, organization in and around the premises of SMP, Kolkata.**
39. The contractor shall have to arrange at his own cost for all necessary insurance coverage for men and materials to be used this contract.
40. SMP, Kolkata and the contractor will nominate a number of officers with their contact nos. indicating the chain of command at the field level who will operate within the terms of the contract to ensure minimum interruption, smooth functioning and optimum utilization of the electrical installations and the related distribution system.
41. The contractor shall conform to all the formalities as laid down in the Contract Labour (Regulation and Abolition) Act, 1970 and rules framed there under in vogue and subsequent amendments, if any, while executing the contractual works.
42. 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.
43. Contractor shall have to arrange security for their equipment/office/stores etc. at their own cost and responsibility.
44. 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.
45. The tenderer/s shall submit manufacturers Test Certificates for all the bought-out items envisaged in the equipment.
46. An agreement shall have to be executed at the expense of the contractor within 30 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 SMP, Kolkata and all documents to be submitted from the date of opening of tender up to the issuance of work order should form part of the contract agreement.
47. 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 equipment, 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 SMP, Kolkata on free of cost basis.
48. The contract shall be drawn up in English language only.
49. 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.

50. The contract may be terminated at one month's notice by SMP, Kolkata if any one of the stipulated conditions agreed upon by the selected bidder is not met to the satisfaction of SMP, Kolkata. Further, the contract shall stand terminated automatically after completion of the work.
51. The responsibility in respect of the antecedents/Credentials of the persons engaged by the contractor rest with the contractor.
52. Operation and maintenance of all electrical installation in accordance with Manufacturer's specification, instruction Manuals, IE Rules and other relevant rules are to be carried out.
53. The staff provided by the contractor to SMP, Kolkata are in case found to be indulging in any undesirable or unfair activities in the premises of SMP, Kolkata, the contractor will solely be responsible for all the consequences apart from the liberty of SMP, Kolkata office to lodge complaints before appropriate authorities.
54. The tenderer/s shall afford all facilities to the Engineer at their own arrangement for inspection and demonstration of the equipment, quoted for.
55. 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.
56. The equipment shall be supplied and delivered at the specified site by the contractor at his own cost.
57. 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.

58. 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.
59. All materials are to be supplied progressively as required at site subject to prior approval of Engineer or his representative.
60. 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 part of bid

of those bidders who qualifies in the techno-commercial part as per qualifying criteria of the NIT shall be considered for price evaluation as per terms of tender document.

61. 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.

62. **Custodian Certificate:** After delivery at site the supplied materials are to be verified by SMP, Kolkata Officials and the custodian certificate is to be issued by the Contractor in this regard for consumption of such materials in the instant work.
63. **Termination of contract and Risk Purchase Clause:** Will be applicable as per **clause No. 8** of SMP, Kolkata's General Conditions of Contract.
64. **Special / Additional Security** may be arranged by the contractor at the site at no extra cost to SMP, Kolkata over and above the General Security provided within SMP, Kolkata premises by Port Security Authority.
65. 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, SMP, Kolkata, thereon shall be final and binding upon all parties.
66. **Good Conduct:** If a bidder has had previous history of “**defined misconduct**”(such as banning from/ by any government sector, premature termination of a contract solely on bidder's fault, criminal case pending against the company or its owner/ current director filed by a government entity etc.), his offer is liable to be ignored.
67. Whenever instances of submission of fraudulent/misleading document(s) are detected by the Port Authorities, appropriate penal action will be unleashed. It must be realised that submission of fraudulent/forged document(s) to a Government department is not only a Civil/contractual offence, but might attract Criminal Culpability under Indian Penal Code. Competent Authority will take

Range of punitive actions as per guidelines in case of detection of such fraud/forgery/deliberate misrepresentation of documents during the bidding process or afterwards.

68. TERMS OF PAYMENT:

i) Supply items:

- a) 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 (as applicable) etc. from appropriate authorities including inspection certificate of SMP, Kolkata's representative, as applicable and on submission of Custodian Certificate.
- b) 30% payment against installation and commissioning.
- c) 10% payment against testing and handing over of the entire work after completion of work as per NIT.

ii) Installation and Commissioning:

- a) 90% payment against installation and commissioning.
- b) 10% payment against testing and handing over of the entire work after completion work as per NIT.

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 no. 3.4, 3.5 & 9 of GCC**. Payment will be made on the basis of actual measurement.

69. **Taxes & Duties:** The rate quoted by the tenderer should be considered to complete the work in all respect and should be exclusive of 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 SMP, Kolkata, 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 SMP, Kolkata is not sure that accurate tax amount is finally reflected in the GSTN to SMP, Kolkata's account and is finally available to the SMP, Kolkata in terms of GST Laws and that the credit of GST taken by SMP, Kolkata is not required to be reversed at a later date along with applicable interest.

III. SMP, Kolkata 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 SMP, Kolkata for the fault of supplier shall be recovered by SMP, Kolkata by way of adjustment in consideration payable.

IV. Supplementary invoices/debit note/credit note for price revision to enable SMP, Kolkata 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.

70. DETAILED SCRUTINY OF E-TENDERERS:

Documents are to be uploaded:

- i. GST Registration certificate.
- ii. Valid Trade License.
- iii. Valid Professional Tax Clearance Certificate / Up to date tax payment challan (if applicable) /else document in support of exemption.
- iv. Proof of possession of valid Employees' Provident Fund (EPF) Account or Documentary evidences in support of non-applicability of registration under EPF Act shall have to be furnished.
- 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. 2017-18, 2018-19 & 2019-20) and the same should be audited as per relevant norms wherever required. In the event of non-availability of Audited Balance Sheets for the financial year ending 31.03.2020, the turn over for that financial year has to be submitted in lieu, duly certified by Chartered Accountant mentioning UDIN.
- 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 / NSIC Registration certificate or DIC Certificate.
- xi. Certified copies of PAN Card.
- xii. Electrical Contractor License.
- 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 SMP, Kolkata, 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).
- xvii. Checklist of Documents to be uploaded (Annexure-J)

During techno-commercial evaluation of tender, an offer shall be considered non-responsive in case of non-submission of the following ‘Essential’ documents or non-fulfillment of following criteria:

- i.** It is not accompanied by requisite earnest money,
- ii.** It is not accompanied by requisite tender paper cost,
- iii.** It is not accompanied by NSIC certificate as an exemption from depositing earnest money & tender paper cost,
- iv.** It does not meet the qualification criteria as stipulated in the NIT.

In addition to the above, a bidder may be disqualified if:

- 1. 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.
- 2. The validity of the offer is less than tender stipulation.
- 3. All the documents required as per NIT are not uploaded or not submitted, even after asked for.
- 4. The bidder provides misleading or false information in the statements and documents submitted.
- 5. 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 SMP, Kolkata in this regard shall be final and binding on the Bidder.

- 71. All other terms and conditions excepting those mentioned separately shall be governed by SMP, Kolkata’s General Condition of Contract.

SCOPE OF WORK

NIT No. SMP/KDS/Mech/SE-II/ADV/562 dated 09.09.2020

Name of the work: "Electrical Installation work related to new Reefer Park at 3 NSD, KDS".

The Scope of Work under this Tender Specification covers the following:

- a. Design, Supply, Installation, Testing and Commissioning of High Voltage Panels (Vacuum circuit breaker) as per BOQ & Technical Specification.
- b. Design, Supply, Installation, Testing and Commissioning of medium/low voltage switch panel for 433 V, 3 phase 50 Hz 4 wire system. These shall be assembled/ fabricated from a factory of repute as per BOQ & Technical Specification. All switchgears shall be fully rated at an ambient of 40°C.
- c. Supply, laying and jointing as required and testing and energizing all cable work as per BOQ & Technical Specification.
- d. End Termination of different size of LT Cables with all accessories and commissioned
- e. Design, Supply, Installation, Testing and Commissioning of Reefer Feeder Pillar Box as per BOQ & Technical Specification.
- f. Construction of Earth Electrode Stations with mentioned diameter & length GI Pipes as per IS specification & Technical Specifications.
- h. Preparing and submitting "As Executed" drawing in triplicate.

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, Indian Electricity Rules, 1956 with latest amendments and latest revised IS Code of Practice.

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-in-Charge.

The intending tenderer shall inspect the site of work in consultation with the Superintending Engineer (Electrical), SMP, Kolkata and acquaint himself with the nature of Work before preparing his tender. His attention is drawn to the Conditions of Contract in this regard. No excuse on ignorance as to the site General Conditions will be entertained.

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

- a) Provide all materials, supervision, services, scaffolding and temporary lighting as required for work purposes etc.
- b) Prepare and submit for review and assessment to the Engineer working drawings showing how the work is actually going to be done as may be required by him.
- c) The contractor shall carry out the work in phased manner as per availability of the site so that normal day to day activities are not affected for which no such extra payment will be entertained.

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 and code of practice for earthing IS 3043:1987 and Dock safety rule & regulation.

Danger Notice Plate (designed as per **IS: 255**) at the installation shall have to be affixed by the contractor permanently in a conspicuous position in accordance with **Indian Electricity Rules, 1956** with latest amendments at Switch Rooms/Substations/Pillar Boxes.

The Electrical Cable Layout Drawings, Single Line Diagram, Details drawing of HT & LT Panels, Detailed drawing of Reefer Pillar Boxes etc. should be prepared by the Successful Tenderer and the same should be submitted to the Engineer for necessary approval, in triplicate, before installation. As built, cable layout drawings includes cable routes so laid with reference to permanent installation en-route, clearly marking position of the cable there at showing distance from such references at a suitable interval, where so available are to be provided.

The Contractor should arrange, at their own cost, all necessary tools, tackles, lifting machineries, transport etc., required for the execution of total work. They should also provide all materials, supervision, services, scaffolding and temporary lighting as required for work purpose etc.

The lengths of Cable run through existing/ new duct/ tray/ laid pipe/ underground etc. as given in the BOQ are indicative only. There may be little variation in quantity during execution of the work depending upon site conditions.

Scope of work for installation of 6 kV, 630 A HV indoor type Vacuum Circuit Breaker Panels:

All the panels should be assembled, aligned and levelled and it should be ensured that panel to panel Coupling Bolts, Bus Bar Links fit properly without any strain on any part. All should be checked up that lowering, lifting, racking in and out operation of the Breaker and all other motions are free from any obstruction. The Fixing Bolts should be grouted only after satisfying all these requirements.

The Panels shall be checked for correct vertical position using pendulum weight and spirit level. After completion of the Panel erection, all cubicles, switches, CTs, PTs, Bus Bar Chambers should be cleaned and checked for tightness of all the components. All loosely supplied items shall be fitted up. All the wiring connections should also be checked with drawings and tightened. Insulators should be checked up for any possible damage. All openings should be sealed to avoid ingress of any foreign particles inside the panels.

Metering / Protective CTs, alarm, indications and protective relays should be fitted up. Phase sequence and polarity of PTs & CTs should be checked. Insulators should be checked up for any possible damage. All switch contacts should be cleaned. Silver tipped contacts should never be filed or polished with sand paper. All the moving parts should be checked for easy and free movement. Hinges of panels door should be lightly lubricated to give free and noiseless movement. All openings should be sealed to avoid ingress of any foreign particles inside the panels.

Individual Feeder Functional Scheme verification should be carried out and if required minor wiring modification in the panel wiring, as per site requirement should be done as per the directive of the

Engineer without any extra cost. Special attention is to be paid to CT Circuits Polarity, wiring continuity & correctness in the protection as well as measurement circuits.

All the metering instruments, protective relays, etc. should be tested and cleaned as per manufacturer's recommendation or according to the instruction of SMP, Kolkata Engineer. All the control wiring, PTs, Bushings, Bus Bars, other live parts of Switch Gears, Incoming & Outgoing Cables should be meggered with 500/1000 Volt Megger.

The HT Panel shall be double earthed through earthing system.

Scope of work for installation of MV/LT Panels:

Suitable sizes of Hot Dip Galvanized Steel Base Channels/ Angles should be grouted, leveled in cement concrete foundation. A proper bonding surface should be made by cheeping the floor while making cement concreting. All the panels should be assembled, aligned and leveled. The Fixing Bolts should be grouted only after satisfying all these requirements. After completion of the Panel erection, all cubicles, switches, CTs, Bus Bar Chambers should be cleaned and checked for tightness of all the components. All loosely supplied items shall be fitted up. All the wiring connections should also be checked with drawings and tightened. Insulators should be checked up for any possible damage. All openings should be sealed to avoid ingress of any foreign particles inside the panels. Individual Feeder Functional Scheme verification should be carried out and if required minor wiring modification in the panel wiring, as per site requirement should be done as per the directive of the Engineer without any extra cost. Special attention is to be paid to CT Circuits Polarity, wiring continuity & correctness in the protection as well as measurement circuits.

All the control wiring, Bushings, Bus Bars, other live parts of Switch Gears, Incoming & Outgoing Cables should be meggered. The LT Panel shall be double earthed through earthing system. Supply of all materials including hardware materials, as required, is under the scope of the Contractor.

Scope of work for Reefer Pillar Boxes:

The Feeder Pillar boxes shall be installed on existing masonry trench by suitable nuts & bolts after grouting the bolts in the masonry trench foundation. The Panels shall be checked for correct vertical position. All the wiring connections should also be checked with drawings and tightened. All openings should be sealed to avoid ingress of any foreign particles inside the panels. All the wiring, Bus Bars, other live parts, Incoming & Outgoing Cables should be checked with 500 Volt Megger. Supply of all materials including hardware materials, as required, is under the scope of the Contractor. The boxes shall be double earthed through earthing system.

Scope of work for Earthing :

Earth Electrode should be made of 3 m. long GI Pipe (TATA – Medium) of nominal bore 65 mm. (as per IS: 1239). G.I. Funnel / Cap to be provided on top of the tube.

Earth Electrode to be driven in the Earth Pit filled up with alternate layer of Charcoal and Salt. Earth Pit should be provided with suitable size Brick Masonry and Inspection Chamber with removable Cast Iron Cover with handle.

Excavation of Earth, Back Filling, Masonry Work and connecting of Earthing Electrode with 2 Nos. of 50 mm. x 6 mm. G.I. Strip shall be within the Scope of Work.

Total 20 numbers of Earth Pits and quantity of connecting G.I. Strips required should be as per the following details:

- 4 Nos. Earth Pits to be installed in the adjacent area of Libyan Sub-Station at NSD.
 - Out of these 4 nos. Earth Pits, 2 nos., will be used for Earth Bus of HT Panel to be interconnected separately, using 50 mm. x 6 mm. G.I. Strip. Connection of the Earth Bus with this Earth Grid using 50 mm. x 6 mm. G.I. Strip is also under the scope of the contractor.
 - Other 2 nos. out of 4 nos. Earth Pits will be used for Earth Bus of LT Panel to be interconnected separately, using 50 mm. x 6 mm. G.I. Strip. Connection of the Earth Bus with this Earth Grid using 50 mm. x 6 mm. G.I. Strip is also under the scope of the contractor.
- Remaining 16 nos. should also be interconnected (using 50 mm.x 6 mm. G.I. Strip) to form a separate Earth Grid , which will provide a common ground for Reefer Pillar Boxes. Two nos. single core Copper Cable from common Earth Bus Bar of Feeder Pillar boxes to the earth grid is to be laid as per BOQ.

All metal frames, metal structure of Switch Gear, Control Panel, Equipment etc. shall have to be earthed by G.I. Strip of suitable size connected with the Earth pit.

Scheme for Earthing shall have to be submitted by successful Tenderer for approval of Engineer.

All connection with the Earth Electrode and **Earth Grid** should be made by welding & welding point should be covered by black Bitumen Paint. Entire earthing should be done in accordance with the relevant **Indian Standard (IS :3043), Indian Electricity Rules & Act and Code of Practice** .

TECHNICAL SPECIFICATIONS

NIT No. SMP/KDS/Mech/SE-II/ ADV/562 dated 09.09.2020

A. Technical Specification for High Voltage Vacuum Circuit Breaker Panel:

a. H.V. PANEL

- (i) The Panel board shall be of indoor type, having the incoming sectionalisation and outgoing switch gears as per IS 13118 : 1991 of VCB, IEC 62271-100 for Breakers and -200 for Panels/ IS 3427 of switch board. The degree of enclosure protection shall be IP-4X. Detailed requirements shall be in accordance with the BOQ.
- (ii) This specification describes the general requirements governing the design of 6.6 kV, STC : 25 kA for 3 sec, Rated Current : 630/800A Indoor Switchgear and control gear fully type tested according to IEC 62271-200 standards.
- (iii) Switchgear shall be type tested for internal arc 25kA for 1 sec.
- (iv) The switchgear shall have type tested making type earthing switch.
- (v) Make of Circuit Breaker (CB) & Panel shall be from same make.
- (vi) All panels assembled to form a board shall be suitable for the nominal operation voltage and rupturing capacity as specified. They should be rated as specified with a minimum of 630 Amps. and suitable for operation on 7.2 KV(6.6 KV Service Voltage), 3 phase 50 Hz system. Type test certificate for the breaking capacity of the panel shall be supplied. A circuit breaker for a given duty in service is best selected by considering the individual rated values required by load conditions and fault condition.
- (vii) The HV Panel Board shall be metal clad, indoor, floor mounting, free standing type. It shall be totally enclosed dust, damp and vermin proof. It shall be fully arc proof, withdrawable type, consisting of separate panels assembled into one or more sections to form a single structure with a common bus-bar assembly. All 3 compartments (Busbars, Circuit breaker & Cable compartment) shall be tested for internal arc for the said rating.
- (viii) Separately earthed compartments shall be provided for circuit breakers, bus bars, relay & instruments, CT&PT and cable boxes, fully and effectively segregating these from one another so that fault in any one compartment do not cause damage to equipment(s) in other compartment(s). The housing shall be of bolted construction to ensure compact and rigid structure, presenting a neat and pleasing appearance. The sheet steel used should not be less than 2 mm thick. The panels shall be bolted together to form a continuous flush front switch gear suitable for front operation of board and for extension at both ends.
- (ix) The HV panel board shall be designed such that the switchgear, instruments, relays, bus bars, small wiring etc. are arranged and mounted with due consideration for the following:
- (x) Facility for inspection, maintenance and repairs of testing terminals and terminal boards for ease of external connection.

- (xi) The design of the panels shall be such that no permanent or harmful distortion occurs either when being lifted by eyebolts or when moved into position by rollers or trans-pallets.
- (xii) The switchboard shall have passed internal arc faulted containment testing for each compartment for 1 second at the rated fault current of 25 kA.
- (xiii) Minimum noise and vibrations.
- (xiv) Risk of accidental short circuits and open circuits. Secured and vibration proof connections for power and control circuits.
- (xv) Risk of accidental contact and danger to personnel due to live connections.
- (xvi) Mountings at approachable height.

b. CIRCUIT BREAKER:

- (i) The circuit breaker panels shall be complete with the following:
 1. Racking in / Racking out mechanism.
 2. Isolating plugs and sockets.
 3. Mechanical inter-locks and safety shutters.
 4. Mechanical ON/OFF indicator.
 5. Minimum of 4 NO and 4 NC Auxiliary contacts directly operated by the circuitbreaker. Additional NO & NC contacts can be provided with auxiliary contractors.
 6. Anti-condensation space heaters suitable for operation on 240V, 1 ϕ 50 Hz A.C.for each panel wherever specified.
 7. Suitable tripping arrangement.
- (ii) The circuit breaker shall be of horizontal/ vertical isolation, horizontal draw out pattern.
- (iii) **Breaker Truck:** The breaker carriage shall be fabricated from steel, providing a sturdy vehicle for the circuit breaker and its operating and tripping mechanism. The carriage shall be mounted on wheels, moving on guides, designed to align correctly and allow easy movement of the circuit breaker and for removing the carriage for inspection and maintenance purposes. Vacuum interrupters shall be hermetically sealed and shall be designed for minimum contact erosion, fast recovery of dielectric strength, maintenance free vacuum interrupter, suitable for auto-reclosing. Vacuum interrupters of the circuit breakers shall not be openly exposed design and shall be completely encapsulated in epoxy housing. The drive mechanism shall preferably be provided with facility for pad locking at any position namely, "Service", "Test" and "Fully Isolated". It should be possible for testing the circuit breaker for its operation without energizing the power circuit in the "Testing" position. The contacts shall be made only after the breaker is inserted into service position. Interlocking should prevent contacts from being disconnected if circuit breaker is tried to be moved from service position.
- (iv) The circuit breakers shall be continuously rated as specified with a minimum rated current of 630 Amps. with voltage rating and breaking capacity as specified.

- (v) The operating mechanism shall be motor wound spring charged with both mechanical and electrical release for closing. The operating mechanism shall be trip free.
- (vi) External auxiliary supply shall be made available for charging motors & heaters operation. It shall be possible to manually charge the circuit breaker operating spring in case of auxiliary supply failure.
- (vii) The circuit breaker truck shall ensure earthing in both connected and disconnected positions.
- (viii) Tripping and closing coils shall be of continuous rated type to ensure longer life.
- (ix) Mechanical indication of the spring-charged condition shall be provided. Circuit breakers shall be provided with a mechanically operated visual indicating device to display the circuit breaker switching state and a mechanical operation counter.
- (x) The circuit breaker operations of closing and opening shall be possible with the circuit breaker compartment door closed. It shall be possible to trip the circuit breaker locally by mechanical means.
- (xi) Circuit breakers will be provided with at least one spare normally-open and one spare normally-closed contact, each wired out to terminals for the connection of external wiring.
- (xii) Circuit breakers shall be mechanical latching and electrical and mechanical tripping. The operating mechanism shall be trip-free and shall include an anti-pumping device.

c. BUS BAR SECTION:

- (i) The switch board shall be single bus bar pattern with air insulated encapsulated bus bars housed in a separate compartment, segregated from other compartments.
- (ii) The bus bars shall be of high conductivity electrolytic copper rated as specified with a minimum rated current of 1380 Amps. The bus bars shall be sized for carrying the rated and short circuit current without over-heating. Maximum bus bar temperature shall not exceed 95 degree C.

d. CURRENT TRANSFORMER:

- (i) Accommodation shall be provided in the circuit breaker panel to mount one set of three numbers dual core dual ratio CTs for metering and protection purposes. Access to the CTs for cleaning, testing or changing shall be from the front, back or top of the panel.
- (ii) The CTs shall conform to relevant Indian Standards. The design and construction shall be robust to withstand thermal and dynamic stresses during short circuits. Secondary terminals of CTs shall be brought out suitably to a terminal block which will be easily accessible for testing and terminal connections. The protection CTs shall be of accuracy class 5 P 10 of IS 2705- Part III-1992.
- (iii) The metering CTs shall conform to the metering ratio and accuracy class 0.5 of IS 2705-1992 for incomer and class 1 for outgoing panels.

e. VOLTAGE TRANSFORMER:

A voltage transformer of burden not less than 100 VA and of proper ratio as specified shall be provided at the incoming panel. The accuracy class for the VT shall be class 0.5 as per IS 3156 Parts I to III for incomer and class 1 for outgoing panels. The transformer shall be of cast epoxy resin construction. It shall be fixed/withdrawable type. MCBs shall be provided on both HV and LV sides.

f. PROTECTION AND TRIPPING ARRANGEMENT:

- (i) The Relays shall be microprocessor based numerical relays with O/L, E/F and S/C protection. Tripping relay shall be used for tripping signal to the Shunt Trip Coil of Circuit Breaker operating on 110 V VT supply with suitable power pack. Power pack to be supplied extra along with the switchboard.
- (ii) **Relays:** Over current Relays shall have adjustable setting for current from 50% to 200% and earth fault from 10% to 40% or 20% to 80%. These should be of manual reset type. All relays shall have a LED indicator which will indicate operation for each function. It shall be possible to reset it only by manual operation. The number and types of relays shall be as specified.
- (iii) 110V DC operated High Speed Master Trip relay of manual resetting type.

g. SMALL WIRING:

The small wiring shall be carried out with minimum 1.5 sq. mm FRLS insulated copper conductor cables. CT wiring shall be done with minimum 2.5 sq mm wires with colour code: RYB, Gray for auxiliary DC circuits and Black for auxiliary AC circuits. The wiring shall be securely fixed and neatly arranged to enable easy tracing of wires. Identification tags shall be fitted to all wire terminals to render identification easy and to facilitate checking in accordance with IS 375. Necessary terminal blocks and cable entries shall be provided for RTD relay wiring, power supply etc.

h. METERING INSTRUMENT, PANEL ACCESSORIES (DIGITAL)

- (i) **Instrument Panels:** The instrument panel shall form part of the housing. Relays, meters and instruments shall be mounted as per general arrangement drawings to be submitted by the tenderer. They shall be preferably of flush mounting type at a maximum height of 1800 mm.
- (ii) **Instrumentation:**
 - A. A voltmeter of class 1.5 accuracy as per IS 1248 shall be provided at each incomer panel, with selector switch. The instrument shall be calibrated for the ranges specified.
 - B. Ammeter of specified range of class 1.5 accuracy as per IS 1248 shall be provided at both incomer and outgoing panels along with necessary selector switches.
 - C. Energy meter: 3 Ph. 3 wire 5A CT Operated, of Class 0.5 Accuracy.
 - D. Multifunction meter: Type - Flush mounted, sealed, dustproof construction (Front - IP 5X and Rear - IP 4X), multifunctional, display: Alphanumeric LCD display having capacity to display 3 parameters simultaneously with auto scaling capabilities for Kilo,

Mega, Giga. Display parameters - Voltage, Current, PF/Frequency and all energy and power parameters with auto scaling. Accuracy class - 0.5.

Keypad: front panel keypad with keypad lock and password protection for setting parameters.

E. The panel assembly shall also take care of the following requirements:

- a. Lamp indication shall be provided to indicate ON/ OFF (by red green respectively) of switch gear.
- b. Panel illuminating lamp.
- c. Mechanical indication for spring charged status. If possible an indicating lamp could be provided.
- d. Lamp indicating tripping at fault status.
- e. Healthy trip supply shall be indicated by clear lamp.
- f. Separate MCBs shall be provided for lamps, heaters, voltmeters and other instrumentation etc. on each panel.
- g. Anti-condensation space heaters shall be provided, and shall be suitable for operation on 240 V, 1 phase, 50 Hz A.C. for each panel.
- h. Where there is more than one incomer and bus sections, these shall be castle key interlocked as per interlocking scheme as specified.

i. CABLE ENTRY:

Provision for bottom entry shall be made with sufficient head room for cable termination. Suitable Cable Termination arrangement for 2 nos. incomer VCBs and 2 nos outgoing VCBs are to be provided along with 3 mm thick removable gland plate shall be provided for cable termination.

j. EARTHING:

The earthing of the breaker body and moving portion shall be so arranged that the earthing of the non-current carrying structure to the frame earth bar is completed well before the main circuit breaker plugs enter the fixed house sockets. The entire panel board shall have a common tinned copper earth bar of suitable section with 2 earth terminals for effectively earthing metallic portion of the panels.

k. INSTALLATION:

The Complete VCB Panel should be of Floor Mounted, Indoor and Free Standing type. Degree of protection not less than IP 4X. The Panel should consist of fabricated Sheet Steel Enclosures (duly painted) with thickness not less than 2.5 mm for load bearing part and 2 mm for non-load bearing part.

The installation work shall cover assembly of panels lining up, grouting the units etc. In the case of multi panels switch boards after connecting up the bus bar all joint shall be insulated with HV insulation tape or with approved insulation compound. A common earth bar shall be run preferably at the back of the switch board connecting all the sections for connecting the

earth system. All protection, indications & metering connections and wirings shall be completed. Where trip supply battery is installed the unit shall be commissioned, completing initial charging of the batteries. All relay instruments and meters shall be mounted and connected with appropriate wiring. Calibration checks of units as necessary and required by the licensee like CTs, VTs Energy Meters etc. shall be completed before pre-commission checks are undertaken.

Mimic Diagram and Symbols showing the exact representation of the system complete with Symbols & Colour Strips to represent the Buses, etc. should be provided in the front of the Control Panel.

Installation of HV Panel work should be carried out considering the fact that power shutdown at the substation should be kept minimum to avoid day to day operations at dock. Proper plan of execution along with execution schedule should be submitted beforehand.

I. TESTING AND COMMISSIONING:

Procedure for testing and commissioning of relay shall be in general accordance with good practice.

Commissioning checks and tests shall include in addition to checking of all small wiring connections, relays calibration and setting tests by secondary injection method and primary injection method. Primary injection test will be preferred for operation of relay through CTs. Before panel board is commissioned, provision of the safety namely fire extinguishers, rubber mats and danger board shall be ensured (HV Panel should be inclusive of cost of providing fire extinguisher, rubber mats, danger boards etc.).

In addition all routine megger tests shall be performed. Checks and test shall include following:

- (a) Operation checks and lubrication of all moving parts.
- (b) Interlock function checks.
- (c) Continuity checks of wiring, fuses etc. as required.
- (d) Insulation tests.
- (e) Trip test and protection gear tests.
- (f) The complete panel shall be tested with 5000 V megger for insulation between poles and poles to earth. Insulation test of secondary of CTs and VT to earth shall be conducted using 500 V megger.
- (g) Any other tests as may be required by the Licensee / Inspector/ Engineer or his representative shall be conducted.
- (h) Where specified, the entire switch board shall withstand high voltage test after installation.

- (i) Any other test required by the consignee/ inspecting officer/ Engineer or his representative.

m. DRAWING:

Two sets of Instruction Manuals for Erection, Operation & Maintenance and three sets of Drawings for Equipment Details should be submitted along with the above Vacuum Circuit Breaker panel.

B. Technical Specification for Medium/Low Voltage Air Circuit Breaker Panel:

a. GENERAL CONSTRUCTION:

- (i) The Distribution panels shall be suitable for use on medium voltage at 415V, 3 phase, 4 wire, 50 Hz AC system.
- (ii) The Panel shall be Total Type Tested (TTA) in-house (factory assembled from OEM: Original Equipment Manufacturer) indoor type having incoming sectionalization and outgoing switchgears as specified. The design shall be cubical type. The degree of enclosure protection shall be IP 54 as per IS 13947 (Part-I).
- (iii) The switchboard shall be floor mounted free standing totally enclosed and extensible type and shall be form 3b construction. The switch board shall be dust & vermin proof and shall be suitable for the climate conditions as specified. The design shall include all provisions for safety of operation and maintenance personnel. The general construction shall conform to IS 8623:1993 for factory assembled switch board.
- (iv) The Distribution panels shall be totally enclosed, dust and vermin proof and shall be with hinged front/ rear doors and folded covers, Neoprene rubber gasket, padlocking arrangement and bolted back.

b. CUBICAL TYPE PANELS:

Cubical type panels shall be fabricated out of sheet steel not less than 2.0 mm thick. Wherever necessary, such sheet steel members shall be stiffened by angle iron frame work. General construction shall employ the principle of compartmentalization and segregation for each circuit. Unless otherwise approved, incomer and bus section panels or sections shall be separate and independent and shall not be mixed with sections required for feeders. Each section of the rear accessible type panel shall have hinged access doors at the rear. Overall height of the panel shall not exceed 2.4 meters. Operating levers, handle etc. of highest unit shall not be higher than 1.7 meters. Multi-tier mounting of feeder may be permissible, if the general arrangement for multitier construction shall be such that the horizontal tiers formed present a pleasing and aesthetic look. The general arrangement shall be approved before fabrication. Cable entries for various feeders shall be from bottom. Through cable alleys located in between two circuit sections, either in the rear or in the front of the panel. All cable terminations shall be through gland plates. There shall be separate gland plate for each cable entry so that there will not be dislocation of already wired circuits when new feeders are

added. Cable entry plates shall therefore be sectionalized. The construction shall include necessary cable supports for clamping the cable in the cable alley or rear cable chamber.

Cubicle panels with more than 1000 Amps bus shall be made of tested structural modular sections.

c. BUS BAR AND CONNECTIONS:

Bus bar and interconnections shall be made of high conductivity electrolytic grade copper as indicated in the bill of quantities(BOQ) complying with IS : 5082 – 1981 and of rectangular cross section suitable for carrying the rated full load current and short circuit current and shall be extendable on either side. Bus bars and interconnections shall be insulated with heat shrinkable sleeve of 1.1 KV grade and shall be colour coded. Bus bars shall be supported on glass fiber reinforced thermosetting plastic insulated supports at regular intervals to withstand the mechanical force arising from a possible short circuit in the system. All bus bars shall be provided in a separate chamber and all connections shall be done by high tensile bolts. Additional cross sectional area to be added to the bus bar to compensate for the holes. All connections between bus bars and breakers shall be through solid copper strips of proper size to carry full rated current and insulated with insulating sleeves.

The neutral bus bars shall be designed to carry at least 50 percent continuous current rating of the main bus bars.

Maximum allowable temperature for the Bus bar to be restricted to 85°C.

d. INCOMER / TERMINATION:

Incomer termination shall be suitable for receiving underground cables. Cable terminations shall invariably be through terminal blocks (Polyamide or superior) or brought out solid terminals.

e. SMALL WIRING:

All small wiring for Controls, Indication etc. shall be with suitable FRLS copper conductor cables. Wiring shall be suitably protected within switch board. Runs of wires shall be neatly bunched, suitably supported and clamped. Means shall be provided for easy identifications of the wires. Identification ferrules shall be used at both ends of the wires. All control wiring meant for external connections are to be brought out of terminal board.

f. OPERATIONAL REQUIREMENTS:

The indoor type MV panel and Air Circuit Breaker shall conform to the following:

- (i) The panel shall comprise of incomers, outgoing feeders and bus coupler as specified.
- (ii) All incoming AIR CIRCUIT BREAKER shall have suitable adjustable tripping current and the time delay settings.

- (iii) The incomer panel shall be suitable for receiving cable of size specified either from bottom.
- (iv) The entire switch panel shall be cubical type generally conforming to IS 8623:1993 for factory assembled switch board.
- (v) The entire panel shall have a common earth bar of size as specified with two terminals for earth connections.

g. RATING AND REQUIREMENTS:

All Air Circuit Breakers shall be 4 pole with minimum 50 KA breaking capacity (approx. 35 MVA at 415V) conforming to IS 13947 (Part-II). Rated current shall be as per capacities specified. The equipment shall be complete with the following:

- (i) Necessary circuit breaker carriage with 3 position (isolate, test, service) draw out mechanism.
- (ii) Necessary isolating plugs and sockets.
- (iii) Necessary mechanism interlock and automatic safe shutters gear with arrangement for pad locking.
- (iv) Necessary independent manual spring mechanism with mechanical On/Off indication as well as electrical On/Off indication.
- (v) Necessary bus bars with bolted type neutral links.
- (vi) ACB shall be provided with microprocessor based releases having built in over load, short circuit & earth fault protection(as per BOQ). Microprocessor release shall be EMI (Electro Magnetic Induction)/ EMC (Electro Magnetic Compatible) certified. It should also include, but not limited to, the following spec.:
 - I. Measurement function to show 3 phase current, 3 phase voltage, KVA, KWH, power factor etc. in a LCD Display.
 - II. Operation Counter.
 - III. Last fault trip history
 - IV. Thermal Memory etc.
- (vii) Necessary set of auxiliary switches.
- (viii) Necessary set of CTs with ratios as specified.
- (ix) Necessary identification, metering requirements as specified i/c. ON/OFF indication lamps, selector switches, fuses, ammeter, voltmeter etc.
- (x) In case of 4 pole breaker neutral shall be fully rated with adjustable settings from 50% to 100% of I_n (Rated Current).
- (xi) ACB terminals shall be suitable/ suitably brought out for direct termination as per IS 13947 Part-II.
- (xii) Should be suitable for a rapid and smooth interruption of capacitive and fault currents under all conditions.
- (xiii) Should be free from re-strikes under all operating conditions.
- (xiv) Should have suitable barrier for each phase and live parts to give total encapsulation and maximum safety.

Other Technical Parameters of the Air Circuit Breakers:

a)	Rated normal current	:	630 Amps.
b)	Impulse Voltage	:	12 kV
c)	Rated Operational Voltage	:	690 V AC
d)	Insulation voltage	:	1000 V AC
e)	Rated Frequency	:	50 Hz.
f)	Particulars of Specifications to be complied with	:	IS/IEC: 60947 - 2(2003) or latest amendment.
g)	Type of arc quenching medium	:	Air
h)	Number of poles	:	4
i)	Rated short-circuit breaking current for 1 second.	:	50 KA
j)	Rated supply voltage of closing & operating devices and auxiliary circuits.	:	240 V AC
k)	Operating Mechanism	:	The Operating Mechanism should be Stored Energy (in Spring) type and capable of giving specific duty of the Breaker, having provision for both Motor Charging and Manual Charging. The Motor should be suitable for operation at 240V, 50 Hz, Single Phase, AC Supply. All working parts of the mechanism should be of corrosion resistant material.

h. INSTALLATION:

The installation work shall cover assembly of various sections of the panels lining up, grouting the units etc. In the case of multiple panel switch boards after connecting up the bus bars etc.,

all joints shall be insulated with necessary insulation tape or approved insulation compound. A common earth bar shall be run inside at the back of switch panel connecting all the sections for connection to frame earth system. All protection and other small wirings for indication etc. shall be completed before calibration and commissioning checks are commenced. All relays, meters etc. shall be mounted and connected with appropriate wiring.

i. TESTING AND COMMISSIONING

Commissioning checks and tests shall include all wiring checks and checking up of connections. Relay adjustment/setting shall be done before commissioning in addition to routine Megger tests. Checks and tests shall include the following:

- i. Operation checks and lubrication of all moving parts.
- ii. Interlock function checks.
- iii. Continuity checks of wiring, fuses etc. as required.
- iv. Insulation test: When measured with 500 V Megger the insulation resistance shall not be less than 100 mega ohms.
- v. Trip tests and protection gear test.

Note: TEST AT MANUFACTURERS WORK: All routine tests shall be carried out and test certificates produced to the department.

C. Technical Specification for Cable Work:

a. 3 Core, 240 sq. mm., 11 KV (E) grade, Cross Linked Polyethylene (XLPE) Cable:

- (i) The cables should be generally compliance with IS 7098 (Part-2) / 1985 or latest amendment, if any.
- (ii) Conductor: Stranded Aluminium comply to IS : 8130 - 1984 or latest amendment, if any.
- (iii) Colour coded.
- (iv) Voltage Grade : 11KV(E),
- (v) Insulation : XLPE ,
- (vi) Screening: Metallic with extruded semiconductor.
- (vii) Inner Sheathed: Extruded PVC.
- (viii) Armour: Galvanized Steel Strips.
- (ix) Outer Sheathed: Extruded PVC.

The cables should be supplied with returnable drum.

b. 3.5 Core, 240 sq. mm., 3.5c, 50 sq mm., 1.1 KV grade, Cross Linked Polyethylene (XLPE) Cable:

- i. The cables should be generally compliance with IS 7098 (Part-1) / 1988 or latest amendment, if any.
- ii. Conductor: Stranded Aluminium comply to IS : 8130-1984 or latest amendment, if any.
- iii. Colour coded.

- iv. Voltage Grade : 1.1KV.
- v. Insulation : XLPE.
- vi. Inner Sheathed : Extruded PVC.
- vii. Armour : Galvanized Steel Strips.
- viii. Outer Sheathed : Extruded PVC.

The cables should be supplied with returnable drums. Continuous length of cable in each drum should be such that no straight through joints will be allowed.

± 5% variation will be allowed as per practice. It shall be ensured that before dispatch, both ends of the cables are properly sealed to prevent ingress of moisture in the insulation. Direction of arrow must be marked on the cable drum.

All HV cable glands shall be connected to the earth with 2 Nos. 38.6 mm copper or equivalent G.I. conductors.

c. Laying:

Laying Underground:

Cable shall be laid generally in accordance with IS: 1255-1983 or latest amendment, if any. The average depth of trench for laying cable, considering the site conditions of oil jetty, shall be as below:

- I) Directly in ground - 0.50m.
- II) At road crossing - 0.75m.

The trenches shall be excavated in reasonably straight line, and where there is a change in direction suitable curvature shall be provided with 12D radius where D is the diameter of the cable. Where gradients and changes in depth are unavoidable, this shall be gradual, except where otherwise directed by the Engineer. The cable shall be laid through suitable size DWC HDPE Pipe. After laying of the cable the duct shall have to be filled up by fine excavated material. Where cables run in parallel, separate ducts as stated shall have to be provided. G.I./HDPE pipe shall have to be used where cable pass through walls, roads, drains, culverts, railway line etc. The cable trench shall be filled back with riddled soil obtained from excavation. This shall be done in layer and compacted. Cable route marker shall have to be provided at a maximum distance of 50m.

Laying through existing trench :

Cable shall be laid through existing covered/uncovered masonry trench taking out of RC covers, setting them in order, mending good the damages filling the trench with fine dry sand including supply of sand. Cables should be handled carefully during installation to prevent mechanical injury to the cables. Ends of cables leaving trenches should be coiled and provided with a protective pipe or cover, until such times, the final terminations to the equipment are completed. Insulation Test of the cable should be carried out in

presence of the Engineer. Any cable, which is found defective, should be replaced before the next group of cables is laid.

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

Cable Routes should be carefully measured and the contractor shall ascertain the exact requirement of cable for a particular feeder, avoiding interference with existing cables, structure, foundation, pipelines, etc. Sufficient lengths are to be kept for the final connections of the cables to the terminal of the equipment. Various cable lengths cut off from the Cable Reels should be carefully selected to prevent undue wastage of cables. Continuous length of cables in each drum should be ascertained considering no straight through joints takes place.

The cables should be neatly arranged in the Trench / Trays / Pipes in such a manner so that criss-crossing is avoided and final take off to the equipment / switchgear is facilitated.

Cable is to be laid in existing ducts at the bottom of the floor of the Sub-station with necessary protection. Cable is also to be laid in the existing concrete Cable Trenches with removable covers / Chequered plate inside Sub-station / Switch-Station. Cables should be laid in tiers with requisite spacing in these trenches as per directive of the Engineers. Concrete cable trenches should be filled with sand where required to avoid accumulation of hazardous gasses. Covers of trenches should be effectively sealed by the contractor to avoid ingress of water, etc.

When cables pass through foundation walls, or other underground structures, if necessary, ducts or opening shall have to be provided, by the contractor. However, shall it become necessary to cut holes in the existing foundations or structures, the contractor should obtain consent from Engineer, before cutting is done. Cutting, if necessary and mending good of any cut portion should be done by contractor at his cost and risk.

Cables should be handled carefully during installation to prevent mechanical injury to the cables. Ends of cables leaving trenches should be coiled and provided with a protective pipe or cover, until such times, the final terminations to the equipment are completed.

After re-filling the trench with sand, **Insulation Test** of the cable should be carried out in presence of the Engineer. Any cable, which is found defective, should be replaced before the next group of cables is laid.

All cables to be identified close to their termination points by Cable Number / Equipment Number, which will be punched on Aluminium Straps (approx. 2 mm. thick) securely fastened to the cable and wrapped around it. Type and size of the cable also to be punched on the Aluminium Straps.

In unpaved areas, Cable Trenches should be identified by means of Cable Route Markers. These markers should be placed at location of changes in the direction of cables on fixed structure. All temporary ends of cables must be protected against dirt and moisture to prevent damage to the insulation. For this purpose, ends of the cables should be covered with PVC insulating tape.

Before energizing, the insulation resistance of every cable shall have to be measured.

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

d. Termination of Cables:

All XLPE HT Cables 11KV(E) Grade shall be terminated at the equipment with the help of Heat Shrinkable End Termination Kit (Indoor type). All HV cable glands shall be connected to the earth with 2 Nos. 38.6 mm copper or equivalent G.I. conductors.

All XLPE LT Cables 1.1 KV Grade shall be terminated at the equipment by means of double compression type Nickel plated Brass Cable Glands.

All cable entries should be through bottom only. The cables should be entered through Glands inside the electrical equipments.

Power Cables, wherever colour coding is not available, should be identified with **Red, Yellow & Blue PVC tapes** for the purpose of identification.

Where copper to aluminium connections are made necessary bi-metallic washers should be used.

In case of termination of cables at the bottom of a panel over a cable trench, having no access from the bottom, close fit hole should be drilled on the bottom plate for all the cables in one line, then bottom plate should be split in two parts along the center lines of holes. After installation of bottom plate and cables, it should be sealed with cold setting compound. Cables should be clamped either with copper or G.I. Strip over the open armouring to connect it to the earth bus.

Cable Leads should be terminated at the equipment terminals, by means of crimped type solderless Aluminium connector. Crimping should be done by hand crimping / hydraulically operated tool and conducting jelly should be applied on the conductor. Insulation of the leads should be removed immediately before the crimping. Conductor surface should be cleaned and should not be left opened.

This scope includes supply of all materials including Complete Termination Kits with Lugs and all accessories and necessary clamping arrangement (for HT Cable) for bottom entry at the Panel / Transformers.

Necessary modification for termination and cable entry of cable at Transformer end is to be carried out by the successful tenderer.

D. Technical Specification for Reefer Pillar Box:

As per BOQ.

Technical Parameters of Molded Case Circuit Breaker (MCCB):

a)	Rated normal current	:	As per BOQ.
b)	Impulse Voltage	:	8 kV
c)	Rated Operational Voltage	:	690 V AC
d)	Insulation voltage	:	750 V AC
e)	Rated Frequency	:	50 Hz.
f)	Particulars of Specifications to be complied with	:	IS/IEC: 60947 – 2(2003) or latest amendment.
g)	Type of mechanism	:	Double Break Type.
h)	Number of poles	:	As per BOQ.
i)	Rated short-circuit breaking current for 1 second.	:	As per BOQ.
j)	Rated service short-circuit breaking capacity (Ics)	=	Rated breaking capacity (Icu)=100%

Other Items specifically not mentioned in the T.S. shall be as per BOQ. Any other item required for installation but specifically not mentioned either in the BOQ or the T.S. like requisite length of G.I./HDPE Pipes, clamps and accessories shall be deemed to be included in the rates for installation of the items for which these items are intended. Tenderers are advised to build up the installation prices accordingly. Any claim in this regard on the plea that the item is not specifically mentioned shall not be entertained.

Cleaning of site:

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. Contractor should also clean the site as required during execution and fully clear the site after completion of all the works. Any holes/drillings/openings/damages made on the wall/roof for drawing of cables/installation of equipment shall be made good by the tenderer at his own cost.

List of Preferred Makes

Note:

- Any other make except the mentioned List of Preferred Makes for any equipment/material may be accepted subject to such items shall comply all the technical specifications /requirements mentioned in the tender documents.
- Request for consideration of such additional make of items shall be supported with certificate from any Central Govt Organisations, Public Sector Units, PWDs regarding satisfactory working/ performance of those items during the last three years (minimum) prior to the starting date of submission of e-tender.
- If any additional make for any item is proposed, the same shall be indicated in the column mentioned below and it should be duly signed and uploaded along with the techno-commercial bid

Item	Preferred Make	Additional make of items, if any
VCB Panel	ABB/Siemens/Schneider/C & S/ L&T/Legrand	
ACB Panel	ABB/Siemens/Schneider/C & S/ L&T/Legrand	
VCB/ACB/MCCB/MCB/Contactor	ABB/Siemens/Schneider/C & S/ L&T/Legrand	
Cables	Polycab/Gloster/Havells/KEI/ CCI	
PVC Copper wire for internal wiring	Finolex /Havells /Anchor/National/Polycab.	
Cable termination Kit	Raychem/ 3M/ Denson	
Industrial Plug	Mennekes/C&S/Legrand	
Relays, CT, PT	ABB/Schneider/C&S/ Siemens/Legrand/ L&T	
Toggle switch, Push button, Multifunction Meter, Time switch, Selector Switch	Kaycee/ AE/Siemens/L&T/ C&S/ ABB/ Schneider/ Legrand/Sulzar/	

- If at any stage it is found that the item offered with make other than the preferred make mentioned as above is not acceptable due to non-fulfillment of the afore-stated criteria or otherwise, the bidder is bound to supply items of preferred make with no additional cost.**

INSPECTION & TESTING

NIT No. SMP/KDS/Mech/SE-II/ADV/ 562 dated 09.09.2020

All the reports regarding Type, Routine Test needs to be submitted. Representatives from SMP, Kolkata will be visiting manufacturer's works for the following acceptance test but not limited to the same. Any other tests as per standard available or valid report from National (Govt.)/International Accredited Lab may be carried out as per the direction to substantiate any parameters as mentioned in this tenderdocument.

A. **HT Panel, LT Panel & Feeder Pillar Boxes:** The pillar boxes along with the HT & LT panels shall also be inspected at manufacture's premises by SMP, Kolkata officers after submission of the GA drawing, List of Materials with make, supporting technical documents etc. by the bidder and after they get approved by SMP, Kolkata officials. Inspection shall be done as per technical specifications & standards available.

B. **Cables:** Cable length above 1000 meter (in total) will be inspected by SMP, Kolkata officials at manufacturer's premises. Inspection will be carried out as per relevant Standard/ Technical Specification. Manufacturer's Test and guarantee certificate as applicable will have to be submitted for verification.

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

SMP, Kolkata shall have full liberty from time to time and at all times to inspect examine and test the materials at site or at manufacturers' premises and also the work and workmanship and shall at any and every such time, reject any or all of the materials of workmanship, which may seem to them defective or unfit or improper for the purpose to which they are applied or intended to be applied to or not in accordance with the description mentioned in or intended by the specification of the Contractor.

Inspection of the items to be supplied by the contractor will be carried out by the Engineer or his representative prior to dispatch. Inspection of cables, Panels, Feeder Pillar Box etc. will be carried out by SMP, Kolkata officials at Manufacturer's premises. Cost of carrying out inspection at manufacturer's premises is in the scope of contractor and thus should be considered by them in their schedule of rates.

PREAMBLE TO THE BILL OF QUANTITIES

Notice Inviting Tender No.: SMP/KDS/Mech/SE-II/ADV/ 562 dated 09.09.2020

1. The Bill of Quantities must be read with the General Conditions of Contract, the Special Conditions of Contract and the Particular Specifications of Work and the Bidder is deemed to have examined the above documents and to have thoroughly familiarize himself with the total scope of work and its mode of execution.
2. The quantities given in the Bill of Quantities are approximate only and are given to provide a common basis for tendering. Payment will be made according to the quantities of each item of work actually carried out at the accepted rates as per Order Letter. The measurements of each item of work shall be measured jointly by the Engineer or his Representative.
3. General direction and description of work or materials given elsewhere in the contract documents are not necessarily repeated in the description of items in the Bill of Quantities.
4. The prices and rates entered by the Contractor in the Bill of Quantities shall be deemed to cover the complete and finished work, inter-alia, all costs and expenses which may be required for successful completion of the works together with all risks, liabilities, contingencies, insurance, octroi, royalties, taxes and obligations imposed or implied by the Contractor.
5. Were separate items such as mobilization, demobilization, temporary works etc., have not been provided in the Bill of Quantities for works required under the Contract, then the cost of such works shall be deemed to have been included in the prices and rates of other items.
6. Without affecting the generality of the foregoing provisions, the prices entered in the Bill of Quantities by the Contractor shall include inter-alia, all costs and expenses involved in or arising out the followings:
 - a. The provision, storage, transport, handling, use distribution and maintenance of all materials, plans, equipment machineries and tools including all costs, charges dues demurrages or other outlays involved in the transportation.
 - b. The provision and maintenance of all his staff and labours and their payments, accommodation, transport, taxes and other requirements.
 - c. Setting out including measurement and supervision.
 - d. The provision, storage, transport, use handling, distribution and maintenance of consumable stores, fuel.
 - e. All First Aid, Welfare and safety requirements.
 - f. Damage caused to the works, plants, materials and consumables stores caused by weather.
 - g. License, fees and other charges for compliance of Government Acts and Rules that are in force and applicable.
7. The Contractor should be held responsible for the safe custody of materials, machineries etc. at site procured by him or issued to him by the Trustees.
8. This being a **percentage rate tender**, the Bidder shall quote his rates as percentage **above /below / at par** with the estimated amount put to tender on line based on his own analysis. The Tender Price thus established would be taken for comparative evaluation of e-Tenderers.

Bill of Quantity (BOQ)

Item No.	Description	Qty.	Unit	Unit Rate (Rs.)	Amount (Rs.)
1	<p>Supply & Delivery of indoor type floor mounted Prefabricated (In House) metal-enclosed and metal clad, 7.2 KV (for 6 KV Service Voltage) VCB panel with 6 Nos. VCBs, totally enclosed & fully interlocked, horizontal draw out, horizontal/ vertical isolation type breaker as per IS/IEC-62271 Part-100 & Part-200, as amended up to date and additional specifications, having capacities as mentioned below, single break, trip free mechanism, auto & manually charged and auto & manually closing breaker suitable for use at 6 KV, 3 Phase, 50 Hz A.C. supply with short circuit fault level of 25KA for 1 sec., BIL: (20/60 KV rms/peak) complete with self contained, fully interlocked, rack in and rack out mechanism, air insulated but encapsulated tinned copper bus bars of min 1380 Amps capacity(Single BUS Bar/Phase Pattern), breaker featured with mechanical ON/OFF indicator with hand trip device, spring release coil, shunt trip coil and auxiliary switch of 4 NO+4 NC, suitable VT operated Power Pack Unit and equipped with following switchgears and accessories i/c provision for suitable connections for 3 x 240 sq. mm. XLPE 11 KV (E) Al cable (cable entry from bottom) end termination with heat shrinkable jointing material etc. as required. Small wiring with minimum 1.5 sq. mm. FRLS Cu conductor cable and CT wiring with minimum 2.5sq. mm. FRLS Cu conductor with colour code for RYB should be used.</p> <p>(Note- Cost of end termination not to be included in this item)</p>				
1.A.	<p>(a) Incoming – 3 No. 630 Amp. VCB</p> <p>(b) 3 No. – 6.6 KV / 110 Volts (or suitable ratio)PT Class 0.5 accuracy and 200 VA burden (or Suitable burden) with 3 No. Voltmeter (0-8KV), digital type, selector switch for voltmeter and protection MCB for HT metering upto 8KV on each incomer.</p> <p>(c) 3 Nos. – (0-300 A) Ammeter, digital type, selector switches for ammeters.</p> <p>(d) 3 Nos. -- Suitable Digital Multifunctional meter (Accuracy Class 0.5)</p> <p>(e) 3 Nos. – Microprocessor relay with O/L, E/F and S/C protection.</p> <p>(f) 3 Sets – Set of 3 Resin Cast CTs of dual core dual ratio having 200/150/5/5 A (or suitable ratio) of 15 VA burden and accuracy Class – 0.5 for metering and class 5P10 for protection.</p> <p><u>Note:</u> Metering & other specification shall be as per Technical Specification.</p>	1	Set	36,90,166.00	36,90,166.00

Item No.	Description	Qty.	Unit	Unit Rate (Rs.)	Amount (Rs.)
1.B.	(a) Outgoing – 2 Nos. 630 A VCB (b) 2 Nos. – (0-100 A) Ammeters, digital type & selector switches for Ammeters. (c) 2 Nos. -- Suitable Digital Multifunctional meter (Accuracy Class 0.5) (d) 2 Nos. – Microprocessor relays with O/L, E/F & S/C protections. (e) 2 Nos. – Set of dual core 3 Resin Cast CTs 100/5/5 A (or Suitable ratio) of 15 VA burden and accuracy Class-1.0 for metering and class 5P10 for protection. <u>Note:</u> Metering & other specification shall be as per Technical Specification				
1.C.	BUS Coupler- 1 No. 630A VCB				
1.D.	All other accessories like RYB Phase Indication Lamp, other indication lamp[ON(Red), OFF(Green), AUTO TRIP (White), Spring Charged (Blue), Trip Ckt Healthy(Amber) etc.], space heater etc. complete in all respect.				
2	Installation, testing & commissioning of the above HT Panel along with double earthing arrangement incld. S & F rubber mat 1 mtr. wide and 12 mm thick to withstand 15 KV dielectric strength as per IS 5424 : 1969.	1	Set	92,254.00	92,254.00
Sub Total 1=					37,82,420.00

Item No.	Description	Qty.	Unit	Unit Rate (Rs.)	Amount (Rs.)
3	Supply of in-house (TTA-OEM) cubical type 1 no. LT panels suitable for 415 V, 3 Phase, 4 Wire 50 Hz AC supply system pre-fabricated in compartmentalized design (form 3b construction) from CRCA sheet steel of 2 mm thick for frame work and covers, 3 mm thick for gland plates i/c cleaning & finishing complete with powder coating in approved shade, having suitable capacity extensible type TPN high conductivity electrolytic tinned Copper bus bars, bus bar supports, with short circuit withstand capacity of 50kA for 1 Sec, bottom base channel of MS section not less than 100 mm x 50 mm x 5 mm thick, fabrication shall be done in transportable sections, entire panel shall have a common copper earth bar of size 25 mm x 5 mm at the rear with 2 Nos. earth stud, solid connections from main bus bar to switch gears with required size of Cu. bus bars and control wiring, indication etc. with 2.5 sq. mm. FRLS PVC insulated copper conductor, cable alleys, cable gland plates in two half & providing following switch gears:				
	(I) Incomer: 1 No. 630 Amps 4 pole, horizontal Electrical drawout type air circuit breaker of fault breaking capacity 50 KA for 1 sec. (Ics=Icu) upto 433 V, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/ test/ isolated position indicators and frame earthing contact, Power Supply Module, complete with following accessories: (a) Independent manual spring closing mechanism- 1 set. (b) Microprocessor release with: 1. Overload & Short Circuit Protection 2. Instantaneous Current Protection 3. Neutral & Ground Fault Protection 4. LCD Digital Display with Thermal Memory & Last Fault Trip History 5. True RMS sensing etc. - 1 set. (c) Digital type Voltmeter (0-500 V), with selector switch & back up MCBs-1 set. (d) Digital type Ammeter (0-600Amp), with selector switch and two sets of 3 nos. CT's of ratio 600/5A (or suitable ratio) Class I accuracy and 15VA burden-1 set. (e) 3 Nos. Phase indication LED lamps with 2 Amp back up HRC fuse, breaker 'ON' indicating light with 2 A HRC fuse, fuses, circuits as per standard practice, auxiliary contacts for positive interlocking of the breakers as required. (f) Shunt trip coil 220 V A.C.	1	Set	11,43,265.00	11,43,265.00
	(II) Bus Bars : TPN Tinned Copper bus bars of size of existing LT Panel with heat shrinkable coloured sleeves, bus bar supports & their spacing etc. for withstanding fault level of 31 MVA for 1 Sec.				

Item No.	Description	Qty.	Unit	Unit Rate (Rs.)	Amount (Rs.)
	<p>(III) Bus Coupler: Horizontal EDO type 4 Pole 630A ACB including Microprocessor Release, Auxiliary Switch, Main CTs, Safety Shutter, Charging Motor, Closing Coil, Shunt Trip, power supply module etc.</p> <p>Including: Microprocessor Release with:</p> <ol style="list-style-type: none"> 1. Overload & Short Circuit Protection 2. Instantaneous Current Protection 3. Neutral & Ground Fault Protection 4. Digital Display with Thermal Memory & Last Fault Trip History 5. Ampere meter 				
	<p>(IV) Outgoings: Total 5 Nos. 630 Amps 4 pole, horizontal Electrical drawout type air circuit breaker of fault breaking capacity 50 KA for 1 sec. (Ics=Icu) upto 433 V , fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/ test/ isolated position indicators and frame earthing contact, complete with following accessories & in all respect:</p> <p>(a) Independent manual spring closing mechanism- 5 sets.</p> <p>(b) Microprocessor release with:</p> <ol style="list-style-type: none"> 1. Overload & Short Circuit Protection 2. Instantaneous Current Protection 3. Neutral & Ground Fault Protection 4. LCD Digital Display with Thermal Memory & Last Fault Trip History 5. True RMS sensing etc. - 5 set. <p>(c) Digital type Voltmeter (0-500 V), with selector switch & back up MCBs-5 set.</p> <p>(d) Digital type Ammeter (0-600Amp), with selector switch and two sets of 3 nos. CT's of ratio 600/5A (or suitable ratio) Class I accuracy and 15VA burden- 5 set.</p> <p>(e) 3 nos./Outgoing Phase indication LED lamps with 2 Amp back up HRC fuse, breaker 'ON' indicating light with 2 A HRC fuse, test terminal block set, fuses, circuits as per standard practice, auxiliary contacts for positive interlocking of the breakers as required.</p> <p>(f) Shunt trip coil 220 V A.C.</p> <p>(g) Suitable Power Supply Module for each breaker to energise the Microprocessor release even at no load</p>				

Item No.	Description	Qty.	Unit	Unit Rate (Rs.)	Amount (Rs.)
4	Installation, testing & commissioning of the above LT Panel along with double earthing arrangement incld. S & F of rubber mat 1 mtr. wide and 12 mm thick to withstand 3.3 KV dielectric strength as per IS 5424 : 1969.	1	Set	28,582.00	28,582.00
Sub Total 2=					11,71,847.00
Item No.	Description	Qty.	Unit	Unit Rate (Rs.)	Amount (Rs.)
5	Supplying of earthed armoured, Aluminium conductor XLPE power cable of 11 KV(E) grade conforming to IS 7098 (Part II) amended upto date as per the following size: A. 3C 240 sq. mm.	1800	mtr	1,277.00	22,98,600.00
6	Laying of 1 No. XLPE insulated power cable of grade 11 KV(E) of size not exceeding 300 sqmm in the existing masonry open duct 4 no. substation to new HT VCB panel.	1800	mtr	136.00	2,44,800.00
7	Supplying and making indoor cable end termination with heat shrinkable jointing kit complete with all accessories i/c lugs suitable for following sizes of 3 core XLPE Al. Conductor cable of 11 KV(E) grade as required. A. 3C 240 sq. mm.	6	Set	4,948.00	29,688.00
8	Supply of 1.1 kV grade 3.5 core 240 sq. mm. XLPE insulated armoured Aluminium cable.	1800	mtr	955.00	17,19,000.00
9	Laying of above XLPE insulated cable of grade 1.1 KV of size not exceeding 300 sqmm in the existing masonry open duct.	800	mtr	136.00	1,08,800.00
10	Laying of above XLPE insulated cable of grade 1.1 KV of size not exceeding 300 sqmm through HDPE pipe (incl. S & F) of suitable dia along with all accessories like socket, bend, couplers etc. complete with fitting and cutting, jointing etc. direct in ground (75 cm below ground level on average) including excavation and refilling the trench etc., complete as required.	1000	mtr	401.00	4,01,000.00

Item No.	Description	Qty.	Unit	Unit Rate (Rs.)	Amount (Rs.)
11	Supplying and fixing compression type gland complete with brass gland, brass ring & rubber ring for dust & moisture-proof entry of XLPE armoured cables as below: A. 3.5C 240 sq. mm.	55	Set	430.00	23,650.00
12	Finishing the end of following XLPE armoured cables by crimping method incl. supplying and fixing solderless socket(Dowels make), tapes, anticorrosive paste & jointing materials : A. 3.5C 240 sq. mm.	55	Set	711.00	39,105.00
13	Supply of 1.1 kV grade single core 16 sq. mm. XLPE insulated armoured Copper cable for connecting earthpits with the Bus Bars of Feeder Pillar Boxes.	500	mtr	162.00	81,000.00
14	Laying of above XLPE insulated cable of grade 1.1 KV from massonary trench to earth pit through existing trench or HDPE Pipe	150	mtr	136.00	20,400.00
15	Laying of above XLPE insulated cable of grade 1.1 KV of size not exceeding 50 sqmm through HDPE pipe (includ. S & F) of suitable dia along with all accessories like socket, bend, couplers etc. complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level on average) including excavation and refilling the trench etc., complete as required.	350	mtr	252.00	88,200.00
16	Supplying and fixing compression type gland complete with brass gland, brass ring & rubber ring for dust & moisture-proof entry of XLPE armoured cables as below: A. 1C 16 sq. mm.	10	Set	115.00	1,150.00
17	Finishing the end of following XLPE armoured cables by crimping method incl. supplying and fixing solderless socket(Dowels make), tapes, anticorrosive paste & jointing materials : A. 1C 16 sq. mm.	10	Set	58.00	580.00
Sub Total 3 =					50,55,973.00

Item No.	Description	Qty.	Unit	Unit Rate (Rs.)	Amount (Rs.)
18	<p>Supply and delivery of Feeder Pillar Box, made from 3.15 mm thick CRCA sheet with GI angle Frame, double flap Hinged Door, both in front & rear sides with stiffeners, Handle complete with integral canopy and panel lock. The Feeder Pillar Box will be suitable for outdoor installation (having IP65 protection). Completely fabricated Feeder Pillar Box will be Hot Dip Galvanized (Min local coating 385g/sq. m. or 55 µm). 2 Nos. Panel Keys will be provided. Door sealing arrangement to be made with Neoprene Rubber Gasket of thickness not less than 3mm. Cable(s) entry will be from bottom only through detachable type Gland Plate (made from 3.15 mm thick GI Sheet) with punched holes, suitable for 3 Nos. 3.5 cores x 240 sq. mm. XLPE insulated LT Al Cables. Earth Bus will be made from G. I. Flat strip of size 50 x 6mm. Electrolytic grade tinned copper bus of size – 50 x 10 mm for each phase and tinned copper Neutral BUS having 50 x 5 mm size will have to be provided. Inner connections between Bus-Bars and components are to be made by Electrolytic grade tinned copper flat/ 1.1KV grade insulated copper conductors of suitable size, along with tinned copper lugs.</p> <p>i) Incomers: 50KA, 415V AC, 400A, 4P MCCB of adjustable overload(80-100%) & fixed short circuit (10 In) setting and Ics=100%Icu-3 Nos.</p> <p>ii) Outgoings: 10KA, 415V AC, 32A, TP MCB-6 No.</p> <p>iii) 32A Industrial Plug(IP 67) 3P + 1E: 6 no.</p> <p>2 Nos. full threaded GI Bolts (M 10 x 40mm) along with G.I. Nuts & washers are to be provided on two sides of the Feeder Pillar Box as Earth Stud.</p>	3	No.	1,31,819.00	3,95,457.00

Item No.	Description	Qty.	Unit	Unit Rate (Rs.)	Amount (Rs.)
19	<p>Supply and delivery of Feeder Pillar Box, made from 3.15 mm thick CRCA sheet with GI angle Frame, double flap Hinged Door, both in front & rear sides with stiffeners, Handle complete with integral canopy and panel lock. The Feeder Pillar Box will be suitable for outdoor installation (having IP65 protection). Completely fabricated Feeder Pillar Box will be Hot Dip Galvanized (Min local coating 385g/sq. m. or 55 μm). 2 Nos. Panel Keys will be provided. Door sealing arrangement to be made with Neoprene Rubber Gasket of thickness not less than 3mm. Cable(s) entry will be from bottom only through detachable type Gland Plate (made from 3.15 mm thick GI Sheet) with punched holes, suitable for 3 Nos. 3.5 cores x 240 sq. mm. XLPE insulated LT Al Cables. Earth Bus will be made from G. I. Flat strip of size 50 x 6mm. Electrolytic grade tinned copper bus of size – 50 x 10 mm for each phase and tinned copper Neutral BUS having 50 x 5 mm size will have to be provided. Inner connections between Bus-Bars and components are to be made by Electrolytic grade tinned copper flat/ 1.1KV grade insulated copper conductors of suitable size, along with tinned copper lugs.</p> <p>i) Incomers: 50KA, 415V AC, 400A, 4P MCCB of adjustable overload(80-100%) & fixed short circuit (10 In) setting and Ics=100%Icu-2 Nos.</p> <p>ii) Outgoings: 10KA, 415V AC, 32A, TP MCB-6 Nos.</p> <p>iii) 32A Industrial Plug(IP 67) 3P + 1E: 6 nos.</p> <p>2 Nos. full threaded GI Bolts (M 10 x 40mm) along with G.I. Nuts & washers are to be provided on two sides of the Feeder Pillar Box as Earth Stud.</p>	17	No.	98,695.00	16,77,815.00

Item No.	Description	Qty.	Unit	Unit Rate (Rs.)	Amount (Rs.)
20	Installation of Above mentioned Feeder Pillar box on existing structure with the help of GI nuts & Bolts (incl. S & F) along with earthing arrangement by 50 x 6 mm Galvanized (Hot Dip) steel strip (incl. S & F) with suitable length and commissioning of the pillar box. Stand should be grouted via bolt into the concrete	20	No.	5,183.00	1,03,660.00
21	Dismantling of existing feeder pillar box, and handing over to EE(NSD)	14	No.	500.00	7,000.00
	Sub Total 4=				21,83,932.00
Item No.	Description	Qty.	Unit	Unit Rate (Rs.)	Amount (Rs.)
22	Earthing with 65 mm dia GI pipe (TATA-Medium)x 3.0 Mts. long and 1 No. 50 mm x 6 mm galvanized (Hot Dip) steel strip (4 Mts. long), 20 mm dia x 125 mm long galvanized bolt, double nuts, double washers including finishing both ends by making holes etc. and S & F 65 mm dia GI pipe (ISI-Medium) protection (3 Mts. long) to be filled with bitumen partly under the ground level and partly above ground level to an average depth of 3.65 Mts with treatment of soil by using salt & charcoal or coke.	20	No.	4,399.00	87,980.00
23	Extra for providing masonry enclosure on the top of the earth electrode of overall size 86.36 cm x 86.36 cm x 46 cm deep (below Ground level) complete with cemented brick work(1:6) of 25 cm width duly plastered with cement mortar (inside) CI hinged inspection cover of size 36.56 cm x 35.56 cm with locking arrangement, GI reducer including drilling holes on the GI pipe	20	No.	915.00	18,300.00

Item No.	Description	Qty.	Unit	Unit Rate (Rs.)	Amount (Rs.)
24	Supplying & fixing earth busbar of galvanized (Hot Dip) MS flat 65 mm x 8 mm on wall having clearance of 6 mm from wall including providing drilled holes on the busbar complete with GI bolts, nuts, washers, spacing insulators etc. as required.	500	mtr	316.00	1,58,000.00
25	Connecting the equipments body to earth busbar and connection between earth pits incl. S & F 50 mm x 6 mm Galvanized (Hot Dip) MS flat on wall/floor with GI saddle as required and connection to equipments with incl. drilling holes, bolts, nuts, washers etc.	500	mtr	198.00	99,000.00
	Sub Total 5=				3,63,280.00
Item No.	Description	Qty.	Unit	Unit Rate (Rs.)	Amount (Rs.)
26	Buyback of 5 Nos. HT OCBs	1	Lot	1,26,394.00	1,26,394.00
	Less Buyback=				1,26,394.00
	Grand Total=				Rs.1,24,31,058.00

(In Words: One Crore Twenty Four Lacs Thirty One Thousand and Fifty Eight Only)

Note:

1. The quantity above may increase or decrease as per requirement for which payment will be made as per actual.
2. The rate quoted should be exclusive of GST and should be considered to complete the work in all respect.
3. GST will be paid extra at applicable rates at the time of supply of goods and services.

PRICE SHALL BE EXCLUSIVE OF GST

Tenderer to fill up the following [score out which is not applicable]

PRICE NOT TO BE QUOTED HERE

(a)%
(in figures)

.....Percent
(in words)

Below par (-)Rs.

(b)%
(in figures)

.....Percent
(in words)

At par NIL

(c)%
(in figures)

.....Percent
(in words)

Above par (+)Rs.

Total Tendered Amount: Rs.

Total tendered amount (in words)

.....

[The prices quoted shall be including all statutory levies excluding GST, which shall be paid extra] Permanent
Income Tax A/C. No... ..

Date:

(Signature of Tenderer)

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

Witness: -

(Name in block letters)

Address:

Occupation:

Profile of Tenderer / FORM –D

This is to confirm that we agree to abide by all the terms and conditions of this NIT No. SMP/KDS/Mech/SE-II/ADV/562 dated 09.09.2020, 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. SMP/KDS/Mech/SE-II/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 SMP, Kolkata) 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 SMP, Kolkata in the matter of examination, evaluation and selection of Successful Tenderer and shall refrain from challenging or questioning any decision taken by SMP, Kolkata in this regard. We further acknowledge the right of SMP, Kolkata 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 SMP, Kolkata 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 SMP, Kolkata 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.....

SYAMA PRASAD MOOKERJEE PORT, KOLKATA

SCHEDULE – “O”

Tenderers must fill in the undernoted column:

Sl. No	Full particulars of similar works carried out by Tenderer	Value of work	Contract 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 and 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 files 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 be 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

INDEMNITY BOND

By THIS BONDI, 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.....Intheyear.....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 LETTER HEAD,
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.....

Checklist for Documents to be Uploaded

[Bidder to submit this document completely filled up for evaluation of its offer]

Name of the Firm:

Sl. No.	Documents to be uploaded as per instructions of NIT	Details of Documents as Uploaded
1	Earnest Money (details of DD no./Banker's Cheque No. with date or NSIC No. with validity period, if applicable, to be mentioned here)	
2	Tender Fee (details of DD no./Banker's Cheque No. with date or NSIC No. with validity period, if applicable, to be mentioned here)	
3	PAN No.	
4	Trade License Details	
5	Electrical Contractor License Details (No. & Validity period)	
6	ESI Regn. No. (If registered)	
7	Affidavit/Indemnity Bond Uploaded (Yes/No) (If ESI Registration is not applicable for the firm)	
8	PF Regn. No.	
9	GST Regn. certificate No.	
10	Professional Tax No.	
11	Undertaking (Annexure-I) Uploaded (Yes/No)	
12	Form -D, Covering letter Uploaded (Yes/No)	
13	Schedule 'O' Submitted (Yes/No)	
14	Status of Tenderer (i.e. Pvt. Ltd./Partnership/Proprietorship etc.)	
	"Financial Turnover (Average of Last 3 year turnover shall be 30% of the Tender value)"	FY: 2017-18
		FY: 2018-19
		FY: 2019-20
15	Details as required for ECS Payment [Scanned copy of unissued cheque is to be uploaded.]	Name of Bank with Code
		Branch Name
		Type of A/C
		A/C no.
		MICR Code
		IFSC No.

Note: No field is to be left blank.

Signature of Tenderer.....

Name:

Designation:

Date:

Seal of the tenderer.....

General Conditions of Contract Forms and Agreements

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

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

KOLKATA PORT TRUST

KOLKATA DOCK SYSTEM & HALDIA DOCK COMPLEX

GENERAL CONDITIONS OF CONTRACT

	CLAUSE		PAGES
1.	AMENDMENT TO GENERAL CONDITIONS OF CONTRACT	...	GC 1
2.	DEFINITION	...	GC 2 – GC 3
3.	DUTIES & POWERS OF ENGINEER & ENGINEER'S REPRESENTATIVE	...	GC 3 – GC 5
4.	THE TENDER/OFFER AND ITS PRE-REQUISITES	...	GC 5 – GC 9
5.	THE CONTRACT & GENERAL OBLIGATIONS OF CONTRACTOR	...	GC 9 – GC 14
6.	COMMENCEMENT, EXECUTION AND COMPLETION OF WORK	...	GC 14 – GC 17
7.	TERMS OF PAYMENT	...	GC 18 – GC 20
8.	VARIATION AND ITS VALUATION	...	GC 20 – GC 22
9.	DELAY/EXTENSION OF COMPLETION TIME/LIQUIDATED DAMAGE/TERMINATION OF CONTRACT	...	GC 22 – GC 24
10.	MAINTENANCE AND REFUND OF SECURITY DEPOSIT	...	GC 24 – GC 25
11.	INTERPRETATION OF CONTRACT DOCUMENTS, DISPUTES & ARBITRATION	...	GC 25 – GC 27
12.	FORMS GC-1, GC-2 , GC-3		
13.	FORM OF AGREEMENT		
14.	PROFORMA FOR B.G. FOR CONTRACT PERFORMANCE		
15.	INTEGRITY PACT DOCUMENT: PROFORMA		
16.	ADDENDUM		

AMENDMENT

TO

GENERAL CONDITIONS OF CONTRACT

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

Table under sub-clause (a)

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

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

Table under sub-clause (d)

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

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

1. DEFINITIONS

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

GC - 3

1.10	“Drawings” means the drawings referred to in the Tender and specification and any modification of such drawings approved in writing by the Engineer and such other drawings as may from time to time be furnished or approved in writing by the Engineer.	Drawings
1.11	“Contract” means and includes the General and Special Conditions of Contract, Specifications, Drawings, priced Bill of Quantities, the Tender / Offer, the letter of acceptance of the Tender/Offer, the Contract Agreement, if separately entered into and the Schedule of Rates and Price, if any, adopted by the Trustees at their discretion.	Contract
1.12	“Constructional Plant” means all appliances or things of whatsoever nature required or about the execution, completion or maintenance of the works or temporary works and includes (without thereby limiting the foregoing definition) all machinery and tools but does not include materials or other things intended to form or forming part of the permanent works.	Constructional Plant
1.13	“Site” means the land, waterways and other places, on, under, in or through which the works are to be executed by the Trustees for the purpose of the Contract.	Site
1.14	“Contract Price” means the sum named in the letter of acceptance of the Tender/Offer of the Contractor, subject to such additions thereto and deductions therefrom as may be made by the Engineer under the provisions here in after contained.	Contract Price
1.15	“Month” means English Calendar Month.	Month
1.16	“Excepted Risks” are riot in so far as it is uninsurable, war, invasion, act of foreign enemies, hostilities) whether war be declared or not), Civil War, rebellion, revolution, insurrection or military or usurped power or use or occupation by the Trustees of any portion of the works in respect of which a certificate of completion has been issued (all of which are herein collectively referred to as the excepted risks).	Excepted Risks
1.17	Word importing the singular only, also includes the plural and vice-versa where the context so requires.	Singular/ Plural
1.18	The heading and marginal notes in these General Conditions of Contract shall not be deemed to be part thereof or be taken into consideration in the interpretation or construction thereof or of the contract.	Headings/ Marginal Notes.
1.19	Unless otherwise stipulated the work “Cost” shall be deemed to include overhead costs of the Contractor, whether on or off the site.	Cost
2.0	DUTIES & POWERS OF ENGINEER & ENGINEER’S REPRESENTATIVE.	
2.1	The Contractor shall execute, compete and maintain the works in terms of the contract to the entire satisfaction of the Engineer and Shall comply with the Engineer’s direction on any matter whatsoever.	Engineer’s Authority

GC - 4

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

GC - 5

2.5	<p><i>Provided always that the Engineer's Representative shall have no power :</i></p> <ul style="list-style-type: none"> (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. 	Limitation of Engineer's Representative's Power
2.6	<p>Provided also as follows :</p> <ul style="list-style-type: none"> (a) Failure of Engineer's Representative to disapprove any work or materials shall not prejudice the power of the Engineer thereafter to disapprove such work or materials and to order the pulling down, removal, breaking-up thereof and re-constructing at the contractor's cost and the contractor shall have no claim to compensation for the loss if any sustained by him. (b) If the contractor shall be dissatisfied by reason of any decision of the Engineer's Representative, he shall be entitled to refer the matter to the Engineer who shall thereupon confirm, reverse or vary such decision. (c) Any written instructions or written approval given by the Engineer's Representative to the contractor, within the terms of delegation of power and authority vested in the Engineer to his Representative in writing, shall bind the contractor and the Trustees as though it had been given by the Engineer, who may from time to time make such delegation. 	Engineer's Overriding Power
3.0	THE TENDER/OFFER AND ITS PRE-REQUISITES	
3.1	The Contractor shall, before making out and submitting his tender/offer, be deemed to have inspected and examined the site, fully considered all factors, risks and contingencies, which will have direct and indirect impact on his expenses and profit from the work and shall be specifically deemed to have taken the following aspects into consideration :	The tender must encompass all relevant aspects/ issues.
	(a) The form and nature of the site and its surroundings including their sub-surface, hydrological, tidal and climatic conditions, the means of access to the site and all other local conditions, including the likely charges and costs for temporary way-leave, if any, required for the work.	Site & Local condition.
	(b) The drawings, specifications, the nature and extent of work to be executed and the quality, quantity and availability of the required materials and labour for the work and the need to execute the work to the entire satisfaction of the Engineer, and also by complying with the General and Special Conditions of Contract.	Drawing/ Specification/ Nature & extent of work to be done.

GC - 6

	(c) The accommodation required for the workmen and site office, mobilisation/demobilisation and storage of all plant, equipment and Construction materials.	Accommodation for Contractor's men/materials.											
	(d) The sources and means of procurement of water for drinking, washing and execution of work, and source and availability of electrical power, all at Contractor's cost.	Water for drinking etc. /Electrical power.											
	(e) Payment of taxes and duties and compliance of all applicable statutes, ordinances and law together with the rules made thereunder, the rules, regulations and bye-laws of public bodies or any local or other authority by the Contractor, keeping the Trustees indemnified against penalties and liabilities of every kind arising from the Contractor's failure in such compliance.	Payment of Taxes/duties and observance of all statutes.											
	(f) Payment of all kinds of stamp-duty for executing the agreement or for any legal instrument including Bank Guarantees and Indemnity Bonds.	Payment of Stamp Duty by the Contractor.											
3.2	The Contractor's tender shall be in ink on the Tender Forms supplied by the Trustees, unless stipulated otherwise in the Notice Inviting the Tender and shall be faultless in figures and free from erasing. Corrections, if any, shall only be made by scoring out and initialling of the revised figure.												
3.3	If required by the Engineer or the Trustees, the Contractors in their tender or subsequently, shall disclose the names of their owners/partners/share holders at the required points of time. The failure in this regard shall be treated as a breach and a contract, if entered into, shall be liable to be cancelled.	Disclosure of Owner's name.											
3.4	(a) Unless otherwise stipulated in the Notice Inviting Tender / Offer, every tender must be submitted with Earnest Money of the amount calculated as per the following scale.	Earnest Money and Security Deposit.											
	<table border="1"> <thead> <tr> <th rowspan="2">Estimated Value of Work</th><th colspan="2">Amount of Earnest Money</th></tr> <tr> <th>For Works Contract</th><th>For Contract of Supplying Materials or Equipment only</th></tr> </thead> <tbody> <tr> <td>Up to Rs. 1,00,000=00</td><td>5% of the estimated value of work</td><td>1% of the estimated value of work</td></tr> <tr> <td>Over Rs. 1,00,000=00</td><td>2% of the estimated value of work subject to a maximum of Rs. 20,000/- and minimum of Rs. 5,000/-.</td><td>½% of the estimated value of work subject to a maximum of Rs. 10,000/- and minimum of Rs. 1,000/-.</td></tr> </tbody> </table>	Estimated Value of Work	Amount of Earnest Money		For Works Contract	For Contract of Supplying Materials or Equipment only	Up to Rs. 1,00,000=00	5% of the estimated value of work	1% of the estimated value of work	Over Rs. 1,00,000=00	2% of the estimated value of work subject to a maximum of Rs. 20,000/- and minimum of Rs. 5,000/-.	½% of the estimated value of work subject to a maximum of Rs. 10,000/- and minimum of Rs. 1,000/-.	
Estimated Value of Work	Amount of Earnest Money												
	For Works Contract	For Contract of Supplying Materials or Equipment only											
Up to Rs. 1,00,000=00	5% of the estimated value of work	1% of the estimated value of work											
Over Rs. 1,00,000=00	2% of the estimated value of work subject to a maximum of Rs. 20,000/- and minimum of Rs. 5,000/-.	½% of the estimated value of work subject to a maximum of Rs. 10,000/- and minimum of Rs. 1,000/-.											

GC - 7

	(b) Earnest Money shall be deposited with the Trustees' treasurer in cash or by Banker's Cheque of any Kolkata Branch of a Nationalised Bank of India drawn in favour of Kolkata Port Trust or in the form of any "Account Payee" Draft of any Nationalised Bank of India drawn in favour of "Kolkata Port Trust" and payable at Kolkata/Haldia, as the case may be, and the receipt granted therefor be kept attached to the Tender/Offer in the Sealed Cover.			Method of Paying E.M.
	(c) Earnest Money of unaccepted tender shall be refunded without any interest through A/c. Payee Cheque drawn on a Nationalised Bank of Kolkata / Haldia.			Refund of E.M.
	(d) The enlisted (registered) Contractors of the Trustees who have deposited fixed Security with the Trustees' FA & CAO / Manager (Finance) according to his Class of Registration, shall be exempt from depositing the Earnest Money, as per the following scale :			Exemption from E.M. to Regd. Firms
	Class of Registration	Amount of Fixed Security	Financial Limit of Each Tender	
	A	Rs. 25,000/-	Any tender priced up to Rs.5,00,000/-	
	B	Rs. 10,000/-	Any tender priced up to Rs.2,00,000/-	
	C	Rs. 5,000/-	Any tender priced up to Rs.1,00,000/-	
	(e) (i) Tender submitted without requisite Earnest Money may be liable to rejection. (ii) If before expiry of the validity period of his Tender/Offer, the tenderer amends his quoted rates or tender/offer making them unacceptable to the Trustees and/or withdraws his tender/offer, the Earnest Money deposited shall be liable to forfeiture at the option of the Trustees.			Tender without EM liable to rejection. Forfeiture of E.M. before Acceptance of offer.
	(f) The Earnest Money of accepted tender/offer shall be retained by the Trustees as part of the Security Deposit, for which a separate Treasury Receipt shall be issued to the Contractor after cancellation of the previous Receipt of Earnest Money.			E.M. to be converted to part S.D.
	(g) Balance security for works contract shall be recovered by deduction from all progressive Bill (including final Bill, if necessary) @ 10% of the gross value of work in each such bill, so that the total recovery may not exceed the quantum computed as per the under noted percentages of the total value of work actually done up to the stage of completion.			Mode of recovery of balance S.D.

GC - 8

	Value of Work	% of Security Deposit for works contract.	% of Security Deposit For contract of supply- ing materials & equipment only.	Scale of S.D. recovery.
	For works up to Rs.10,00,000/-.	10% (Ten percent)	1% (One percent)	
	For works costing more than Rs.10,00,000/- and up to Rs.20,00,000/-	10% on first Rs.10,00,000/- +7½% on the balance.	1% on first Rs.10,00,000/- + ½% on the balance.	
	For works costing more than Rs.20,00,000/-	10% on first Rs.10,00,000/- + 7 ½% on the next Rs.10,00,000/- + 5% on the balance.	1% on first Rs.10,00,000/- + ½% on the next Rs.10,00,000/- + ¼% on the balance.	
	(h) Balance Security for Contract of supplying materials and equipment computed in terms of the percentages given above, shall have to be deposited with the Trustees' Treasurer in advance and within 30 days from the date of placement of supply order, either in cash or by A/c. Payee Draft of a Nationalised Bank of India drawn in favour of Kolkata Port Trust and payable at Kolkata/Haldia, as the case may be.			S.D. for supply contracts to be deposited in advance.
	(i) No interest shall be paid by the Trustees to the Tenderer/Contractor on the amount of Earnest Money/Security Deposit held by the Trustees, at any stage.			No interest payable on E.M. /S.D
3.5	(i) The Security Deposit shall refunded to the Contractor in terms of Clause 9.3 hereinafter and subject to deduction, if any, under the provision of Sub-clause 3.5 (ii) herein below. Id, however, the Contract provides for any maintenance period. 50% of the Security Deposit may be refunded against any of the treasury Receipt for that amount on expiry of half of the maintenance period and the balance deposit on the expiry of the said maintenance period and after the Engineer has certified the final completion of work in Form G.C.2 and the Contractor has submitted his "No Claim" Certificate in Form G.C.3.			Mode of refund of S.D.
	(ii) The Security Deposit/Earnest Money may be liable to forfeiture at the option of the Trustees, if the Contractor fails to carry out the work or to perform/observe any of the conditions of the Contract. The Trustees shall also be at liberty to deduct any of their dues from the Security Deposit, fixed Security, Earnest Money or from any sum due or to become due to the Contractor under any other contract.			Forfeiture of S.D.

GC - 9

3.6	If stipulated in the contract as a Special Condition, the contractor shall have to submit to the Engineer a performance Bond in the form of an irrevocable guarantee from Kolkata/Haldia Branch, as the case may be, of any Nationalised Bank of India in the proforma annexed hereto and for the sum and period as mentioned in the letter of acceptance of the Tender/Offer, within 15 days from the date of such letter, failing which the Contract shall be liable to be terminated and the earnest money shall be liable to forfeiture; all at the discretion of the Engineer. The cost of obtaining this or any other Bank Guarantee and/or the revalidation thereof, wherever required, has to be borne by the Contractor and it shall be his sole responsibility to arrange for timely revalidation of such Bank Guarantee, failing which and for non-fulfilment of any contractual obligation by the Contractor, the Engineer and/or the Trustees shall be at liberty to raise claim against the Guarantee and/or enforce the same unilaterally.	Bank Guarantee in lieu of Cash S.D. in certain cases
3.7	“Every Tenderer/ Bidder shall submit, in respect of a tender value of more than Rs 5 Crore, along with their tender comprising Special Conditions of Contract, General Conditions of Contract, BOQ, Earnest Money, etc. a document called Integrity Pact Agreement duly signed by their authorized representative. The Proforma of the Integrity Pact Agreement shall as specified in the GCC. In case of tender value more than Rs 5 Crore, the Integrity Pact Agreement is an essential part and parcel of bid document to be submitted by each tenderer, without which the tender shall not be considered.”	
4.0	THE CONTRACT & GENERAL OBLIGATIONS OF CONTRACTOR	
4.1	(a) The contract documents shall be drawn-up in English language.	English language to be used
	(b) The contract shall be governed by all relevant Indian Acts. As applicable only within the jurisdiction of the High Court at Kolkata, India, including the following Acts : 1. The Contract Act (India), 1872. 2. The Major Port Trusts Act, 1963. 3. The Workmen’s Compensation Act, 1923. 4. The Minimum Wages Act, 1948. 5. The Contract Labour (Regulation & Abolition) Act, 1970. 6. The Dock Workers’ Act, 1948. 7. The Arbitration and Conciliation Act (1996) (in the case of a definite Arbitration Agreement only).	Applicability of laws on the contract
4.2	After acceptance of his Tender/Offer and when called on to do so by the engineer or his representative, the contractor shall, at his own expense, enter into and execute a Contract Agreement to be prepared by him in the form annexed hereto. Until such Contract Agreement is executed, the other documents referred to in the definition of the term ‘Contract’ here-in-before, shall collectively be the Contract.	Contractor to Execute Contract Agreement.
4.3	Several documents forming the contract are to be taken as mutually explanatory of one another. Should there be any discrepancy, ambiguity, omission or error in the various contract documents, the Engineer shall have the power to correct the same and his decision shall be final and binding on the parties to the Contract.	Interpretation of contract documents – Engineers’ Power

GC - 10

4.4	Two copies of the Drawings referred to in the general and special Conditions of Contract and in the Bill of Quantities, shall be furnished by the Engineer to the Contractors free of cost for his use on the work, but these shall remain the property of the Trustees and hence, the Contractor shall return them to the Engineer or his Representative on completion of the work, if not torn or mutilated on being regularly used at site.	All Drawings are Trustees' property.
4.5	The Contractor shall prove and make at his own expense any working or progress drawings required by him or necessary for the proper execution of the works and shall, when required, furnish copies of the same free of cost to the Engineer for his information and/or approval, without meaning thereby the shifting of Contractor's responsibility on the Engineer in any way whatsoever.	Contractor to prepare working / progress drawings
4.6	The Contractor shall not directly or indirectly transfer, assign or sublet the Contract or any part thereof without the written permission of the Engineer. Even if such permission be granted, the Contractor shall remain responsible (a) for the acts, defaults and neglect of any sub-contractor, his agents, servants or workmen as fully as if these were the acts, defaults or neglects of the Contractor himself or his agents, servants or workmen and (b) for his full and entire responsibility of the contract and for active superintendence of the works by him despite being sublet, provided always that the provision of labourers on a "piece rate" basis shall not be deemed to be sub-letting under this clause.	Contractor cannot sub-let the work
4.7	Unless otherwise specified, the Contractor shall be deemed to have included in his Tender/Offer all his cost for supplying and providing all constructional plant, temporary work. Materials both for temporary and permanent works, labour including supervision thereof, transporting to and from the site and in and about the work, including loading, unloading, fencing, watching, lighting, payment of fees, taxes and duties to the appropriate authorities and other things of every kind required for the construction, erection, completion and maintenance of the work.	Contractors' price is inclusive of all costs
4.8	The Contractor shall be solely responsible for the adequacy, stability and safety of all site operations and methods of construction, even if any prior approval thereto has been taken from the Engineer or his Representative. The Contractor shall not be responsible for the correctness of the design or specification of the Temporary and Permanent works formulated by the Engineer; but the Contractor shall be fully responsible for the correct implementation thereof, as also for any design and specification prepared/proposed/used by the Contractor.	Contractor is responsible for all construction process, except for correctness of design and specification formulated by the Engineer.
4.9	Whenever required by the Engineer or his representative, the Contractor shall submit to him the details of his (a) programme for execution of the work, (b) proposed procedure and methods of work, (c) proposed deployment of plant, equipment, labour, materials and temporary works. The submission to and/or any approval by the Engineer or his Representative to any such programme or particulars shall not relieve the Contractor of any of his obligations under the contract.	Contractor to submit his programme of work

GC – 11

	If for any reason the contractor be unable to adhere to his earlier programme, he shall submit his revised programme for completion of work within the stipulated time whenever asked to do so.	
4.10	Necessary and adequate supervision shall be provided by the Contractor during execution of the works and as long thereafter as the Engineer or his representative shall consider necessary during the maintenance period. The Contractor or his competent and authorised agent or representative shall be constantly at site and instructions given to him by the Engineer or his representative in writing shall be binding upon the Contractor subject to limitation in Clause 2.5 hereof. The Contractor shall inform the Engineer or his representative in writing about such representative/agent of him at site.	Contractor to supervise the works
4.11	The Contractor shall employ in execution of the Contract only qualified careful and experienced persons and the Engineer shall be at liberty to direct the Contractor to stop deployment of any of his staff, workmen or official at site and the Contractor shall within 48 hours comply with such instruction without any demur whenever the Engineer shall feel that the deployment of the person concerned will not be conducive to the proper and timely completion of the work.	Contractor to deploy qualified men and Engineer's power to remove Contractor's men
4.12	The Contractor shall be responsible for the true and proper setting out of the works in relation to reference points/lines/levels given by the Engineer in writing. The checking of any setting-out or of any alignment or level by the Engineer or his Representative shall not in any way relieve the contractor of his responsibility for the correctness thereof and he shall fully provide protect and preserve all stakes, templates, bench marks, sight rails, pegs, level marks, profile marks and other things used in setting out the works.	Contractor is responsible for line, level, setting out etc.
4.13	From the commencement of the works till issue of the completion certificate in Form G.C.1, vide Clause 5.12 hereof, the contractor shall take full responsibility for the care thereof. Save for the excepted risks, any damage, loss or injury to the work or any part thereof shall be made good by the Contractor at his own cost as per instruction and to the satisfaction of the engineer, failing which the Engineer or his Representative may cause the same to be made good by any other agency and the expenses incurred and certified by the Engineer shall deem proper. This Clause will not apply to that part of the work, which might have been taken over by the Trustees on partial completion of the work and in such case the Contractor's obligation will be limited to repairs and replacement for manufacturing or construction defects during the Maintenance period (Guarantee Period) as per the directions of the Engineer as also for defects/damages if any caused to the work by the Contractor during such repairs and replacement in the maintenance period.	Contractor is responsible to protect the work

4.14	The Contractor shall at his own cost protect support and take all precautions in regard to the personnel or structure or services or properties belonging to the Trustees or not which may be interfered with or affected or disturbed or endangered and shall indemnify and keep indemnified the Trustees against claim for injury, loss or damage caused by the Contractor in connection with the execution and maintenance of the work to the aforesaid properties, structures and services and/or to any person including the Contractor's workmen. Cost of Insurance Cover, if any, taken by the Contractor shall not be reimbursed by the Trustees, unless otherwise stipulated in the Contract.	Contractor is responsible for all damages to other structures / persons caused by him in executing the work.
4.15	The Contractor shall immediately inform the Engineer's Representatives if any fossil, coins, articles of value or antiquity and structures and other remains or things of geological or archaeological importance be discovered at site which shall remain the property of the Trustees and protect them from being damaged by his workmen and arrange for disposal of them at the Trustees' expense as per the instruction of the Engineer's Representative.	Fossils, Treasure travois, etc. are Trustees' property
4.16	<p>The Contractor shall be deemed to have indemnified and shall indemnify the Trustees against all claims, demands, actions and proceedings and all costs arising therefrom on account of :</p> <p>(a) Infringement of any patent right, design, trademark or name or other protected right in connection with the works or temporary work.</p> <p>(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.</p> <p>(c) Unauthorised obstruction or nuisance caused by the contractor in respect of Public or Private or Private road, railway tracks, footpaths, crane tracks, waterways, quays and other properties belonging to the Trustees or any other person.</p> <p>(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.</p> <p>(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.</p> <p>(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.</p>	Contractor to Indemnify the Trustees against all claims for loss, damage, etc.
4.17	Debris and materials, if obtained by demolishing any property, building or structure in terms of the Contract shall remain the property of the Trustees.	Dismantled materials Trustees' property

4.18	<p>The Contractor's quoted rates shall be deemed to have been inclusive of the following :</p> <ul style="list-style-type: none"> (a) Keeping the site free of unnecessary obstruction and removal from site of constructional plant wreckage, rubbish, surplus earth or temporary works no longer required. (b) Cleaning and removal from site all the surplus materials of every kind to leave the site clean and tidy after completion of the work, without which payment against final bill may be liable to be withheld. (c) Precautionary measures to secure efficient protection of Docks, the River Hooghly and other waterways against pollution of whatever nature during execution and maintenance of the works and to prevent rubbish, refuse and other materials from being thrown into the water by the Contractor's men or those of his agency. (d) Making arrangements for deployment of all labourer and workers, local or otherwise including payment for their wages, transport, accommodation, medical and all other statutory benefits and entry permits, wherever necessary. (e) Making arrangements in or around the site, as per the requirements of local authority or the Engineer or his Representative for preventing (i) spread of any infectious disease like smallpox, cholera, plague or malaria by taking effective actions for destruction of rats, mice, vermin, mosquitoes, etc. and by maintaining healthy and sanitary condition, (ii) illegal storage and distribution of Drugs, Narcotics, Alcoholic liquor, Arms and Ammunitions, (iii) unlawful, riotous or disorderly conduct of the Contractor's or his Sub-Contractor's workmen, (iv) deployment of workmen of age less than 16 years. 	Contractor's quoted rates/price must be all inclusive
4.19	Every direction or notice to be given to the Contractor shall be deemed to have been duly served on or received by the Contractor, if the same is posted or sent by hand to the address given in the tender or to the Contractor's Site Office or to the Registered Office of the Contractor. The time mentioned in these conditions for doing any act after direction or notice shall be reckoned from the time of such posting or despatch.	Notice to Contractor.
4.20	The Contractor and his Sub-contractor or their agents and men and any firm supplying plant, materials and equipment shall not publish or caused to be published any photographs or description of the works without the prior authority of the Engineer in writing.	Contractor not to publish photograph or particulars of work

GC – 14

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

GC – 15

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

	<p>(d) Unless stipulated otherwise in the contract, the value of the Trustees' materials issued to the contractor shall be recovered from the contractor's bills and/or any of his other dues, progressively according to the consumption thereof on the work and/or in the manner decided by the Engineer or his representative and at the rate/s stipulated in the contract. These rates shall only be considered by the contractor in the preparation of his tender/offer and these will form the basis of escalation/variation, if in future the contractor is required to procure and provide any such material on the written order of the Engineer consequent on the Trustees' failure to effect timely supply thereof.</p>	Recovery from Contractor for Trustees' materials under normal circumstances
	<p>(e) If the Engineer decides that due to the contractor's negligence, any of the Trustees' materials issued to the contractor has been – (i) lost or damaged, (ii) consumed in excess of requirement and (iii) wasted by the contractor in excess of normal wastage, then the value thereof shall be recovered from the contractor's bills or from any of his other dues, after adding 19 ¼% extra over the higher one of the followings -</p> <p>(1) The issue rate of the materials at the Trustees' Stores and</p> <p>(2) The market price of the material on the date of issue as would be determined by the Engineer.</p>	Recovery from Contractor for Trustees' materials under other circumstances.
5.9	<p>The Engineer or his Representative shall have the power to insect any material and work at any time and to order at any time – (I) for removal from the site of any material which in his opinion is not in accordance with the contract or the instruction of the engineer or his representative, (ii) for the substitution of the proper and suitable materials, or (iii) the removal and proper re-execution of any work which in respect of material and workmanship is not in accordance with the contract or the instructions of the Engineer. The Contractor shall comply with such order at his own expense and within the time specified in the order. If the contractor fails to comply, the Engineer shall be at liberty to dispose any such materials and re-do any work in the manner convenient to the Trustees by engaging any outside agency at the risk and expense of the contractor and after giving him a written prior notice of 7 days.</p>	Contractor to replace materials/work not acceptable to the Engineer or his Representative
5.10	<p>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.</p> <p>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.</p>	Contractor to seek approval of Engineer or his Representative before covering up any portion of work

GC – 17

5.11	<p>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 –</p> <p>(a) otherwise provided for in the contract, or</p> <p>(b) necessary by reason of some default on the part of the contractor, or</p> <p>(c) necessary by reason of climatic conditions on the site, or</p> <p>(d) necessary for proper execution of the works or for the safety of the works or any part thereof.</p> <p>The Engineer shall settle and determine such extra payment and/or Extension of completion time to be allowed to the contractor, as shall, in the opinion of the Engineer be fair and reasonable, and the same shall be final and binding on the Contractor.</p>	Contractor to suspend work on Order from Engineer or his Representative
5.11.1	<p>If at any time before or after commencement of the work the Trustees do not require the whole of the work tendered for the Engineer shall notify the same to the contractor in writing and the contractor shall stop further works in compliance of the same. The Contractor shall not be entitled to any claim for compensation for underived profit or for such premature stoppage of work or on account of curtailment of the originally intended work by reason of alteration made by the Engineer in the original specifications, drawings, designs and instructions.</p>	
5.12	<p>When the whole of the work has been completed to the satisfaction of the Engineer and has passed any final test prescribed in the contract, the contractor shall, within 21 days of submission of his application to the Engineer, be entitled to receive from him a certificate for completion of work in Form G.C.1, annexed hereto. If any part of the total work having been completed to the satisfaction of the Engineer, be taken over and/or used by the Trustees, the Contractor shall on application be entitled to partial completion certificate in the Form G.C.1 indicating the portion of the work covered by it, so that the Contractor's liability during maintenance period of the contract, if any, shall commence from the date mentioned in such certificate so far as the completed portion of the work is concerned.</p>	Completion Certificate G.C.1.

GC – 18

6.0	TERMS OF PAYMENT :	
6.1	<p>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.</p> <p>On account payments, if any, made prior to issue of the certificate in Form G.C.2, shall all be treated as mere advance, which shall stand recoverable in full or in part, if the Engineer so decides in the context of Contractor's unfulfilled contract condition, if any.</p>	All interim payments are advances till issue of Certificate in Form G.C.2
6.2	All payments shall be made to the Contractor only on the basis of measurements of actual work done, as recorded in the Trustees' measurement books and at accepted tendered or at agreed rates, as the case may be, except as otherwise provided in the contract and when the Engineer decides any other rate for change in the scope of work or omission, if any, on the part of the Contractor.	Payment on the basis of measurements at agreed rates.
6.3	For work of sanctioned tender value more than Rs.50,000/- or having an initially stipulated completion period of 4 months or more, on account payments may be made at the discretion of the Engineer or his Representative at intervals deemed suitable and justified by him. Provided always that subject to execution of work of substantial value in the context of the contract price, the interval of such on account payments shall be decided by the Engineer or his Representative, which shall ordinarily not be less than 1 month in between two payments for on account bill and/or advance.	Limitation for on account payment
6.4	Measurement for works done shall be progressively taken by the Engineer's Representative and entered in the Trustees' Measurement Book, at intervals deemed suitable and proper by him and/or the Engineer. The Contractor or his duly accredited Representative or Agent shall remain present at the time of such measurement and assist the engineer's Representative in every manner required by him. After the measurements taken have been entered in the Measurement Book, the Contractor or his Agent shall sign the Measurement Book at the end of such Measurements over the Contractor's Rubber Stamp as a token of acceptance of all such measurements, recorded above and prior to such signature. If the Contractor or his Agent fails to participate even after 3 days written notice from the Engineer's Representative, the measurement shall be taken ex-parte by the Engineer's Representative and those shall be accepted by the Contractor.	Recording of measurements

GC – 19

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

GC – 20

	(vi) in the event of storage of such materials outside the Trustees' protected areas the Contractor shall submit to the Engineer an irrevocable Bank Guarantee favouring the Trustees and for the same sum as is being advance, in the proforma and manner acceptable to the Trustees. The Guarantee shall be of a Kolkata/Haldia Branch of any Nationalised Bank or a Schedule Commercial Bank, as the case may be, acceptable to the Trustees and shall remain valid till the anticipated period of consumption of such materials in the work. The Bank Guarantee must bear an undertaking by the issuing Bank guaranteeing automatic payment of the guaranteed sum to the Trustees by the Bank on the date of expiry of the validity of the Guarantee, unless with the prior written approval of the Engineer on behalf of the Trustees, the Bank has extended the validity of the Guarantee.	
	(vii) The amount of advance shall be recoverable from the contractor's bills or any other dues, progressively with the consumption of the materials on the basis of quantity consumed. Consequent on full recovery of the advance the Indemnity Bond/Bank Guarantee, vide Sub-clause (v) & (vi) above, shall be returned to the Contractor duly discharged by the Engineer on behalf of the Trustees.	
6.7	No certificate of the Engineer or his representative shall protect the Contractor against or prevent the Trustees from obtaining repayment from the Contractor, in case the Engineer or his representative should overcertify for payment or the Trustees should over-pay the Contractor on any account.	Recovery for wrong and over payment
6.8	No claim for interest shall be admissible or payable to the Contractor at any stage and in respect of any money or balance or Bank Guarantee, which may be due to the Contractor from the Trustees, owing to dispute or otherwise or for any delay on the part of the Trustees in making interim or final payment or otherwise.	Interest not admissible to Contractor
7.0	VARIATION AND ITS VALUATION :	
7.1	The Quantities set out in the Bill of Quantities of the tender shall be treated as estimated quantities of the work and shall never be deemed as actual or correct quantities of the works to be executed by the contractor in fulfilment of his obligation under the contract.	Quantities in Bill of Quantities of Tender
7.2	The Engineer shall have the power to order the Contractor in writing to make any variation of the quantity, quality or form of the works or any part thereof that may, in his opinion, be necessary and the Contractor upon receipt of such an order shall act as follows :	Engineer's power to vary the works

GC – 21

7.2	<p>(a) Increase or decrease the quantity of any work included in the contract.</p> <p>(b) Omit any work included in the contract.</p> <p>(c) Change the Character or quality or kind of any work included in the contract.</p> <p>(d) Change the levels, lines, position and dimensions of any part of the work, and</p> <p>(e) Execute extra and additional work of any kind necessary for completion of the works</p>	
7.3	No such variation shall in any way vitiate or invalidate the contract or be treated as revocation of the contract, but the value (if any) of all such variations evaluated in accordance with the Engineer's sole decision shall be taken into account and the contract price shall be varied accordingly.	Variation by engineer do not vitiate the contract
7.4	Provided always that written order of the Engineer shall not be required for increase or decrease in the quantity of any work upto 15% where such increase or decrease is not the result of any variation order given under this clause but is the result of the quantities exceeding or being less than those stated in the bill of quantities. Provided also that verbal order of variation from the Engineer shall be complied with by the Contractor and the Engineer" subsequent written confirmation of such verbal order shall be deemed to be an order in writing within the meaning of this clause.	Where written order for variation is not needed
7.5	<p>(a) The Contractor shall not be entitled to any claim of extra or additional work unless they have been carried out under the written orders of the Engineer.</p> <p>(b) The Engineer shall solely determine the amount (if any) to be added to or deducted from the sum named in the tender in respect of any extra work done or work omitted by his order.</p>	Payment for extra or additional, or omitted work or substituted work, Engineer's powers
	(c) All extra, additional or substituted work done or work omitted by order of the Engineer shall be valued on the basis of the rates and prices set out in the contract, if in the opinion of the Engineer, the same shall be applicable. If the contract does not contain any rates or prices directly applicable to the extra, additional or substituted work, then the Engineer may decide the suitable rates on the basis of Schedule of Rates (including surcharge in force at the time of acceptance of tender), if any, adopted by the Trustees with due regard to the accepted contractual percentage, if any thereon. In all other cases the Engineer shall solely determine suitable rates in the manner deemed by him as fair and reasonable, and his decision shall be final, binding and conclusive.	

GC – 22

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

GC – 23

	(b) Without prejudice to any of their legal rights, the Trustees shall have the power to recover the said amount of compensation/damage in Sub-clause (a) of this clause, from any money due or likely to become due to the Contractor. The payment or deduction of such compensation/damage shall not relieve the Contractor from his obligation to complete the work or from any of his other obligations/liabilities under the contract and in case of the Contractor's failure and at the absolute discretion of the Engineer, the work may be ordered to be completed by some other agency at the risk and expense of the Contractor, after a minimum three days notice in writing has been given to the Contractor by the Engineer or his Representative.	
8.3	Without being liable for any compensation to the Contractor, the Trustees may, in their absolute discretion, terminate the contract and enter upon the site and works and expel the Contractor there from after giving him a minimum 3 days' notice in writing, due to occurrence of any of the following reasons and decision of the Trustees in this respect, as communicated by the Engineer shall be final and conclusive : (i) The Contractor has abandoned the contract.	Default of the Contractors remedies & powers/Termination of Contract.
	(ii) In the opinion of the Engineer, either the progress of work is not satisfactory or the work is not likely to be completed within the agreed period on account of Contractor's lapses.	
	(iii) The Contractor has failed to commence the works or has without any lawful excuse under these conditions has kept the work suspended for at least 15 days despite receiving the Engineer's or his Representative's written notice to proceed with the work.	
	(iv) The Contractor has failed to remove materials from site or to dismantle or demolish and replace work for 7 days after receiving from the Engineer or his representative the written notice stating that the said materials or work were condemned and rejected by him under these conditions.	
	(v) The Contractor is not executing the works in accordance with the contract or is persistently or flagrantly neglecting to carry out his obligations under the contract.	
	(vi) Any bribe, commission, gift or advantage is given, promised or offered by or on behalf of the contractor to any officer, servant or representative of the Trustees or to any person on his or their behalf in relation to the obtaining or to the execution of the contract.	
	(vii) The Contractor is adjusted insolvent or enters into composition with his creditors or being a company goes into liquidation either compulsory or voluntary.	

GC – 24

8.3.1	Upon receipt of the letter of termination of work, which may be issued by the Engineer on behalf of the Trustees, the Contractor shall hand over all the Trustees' tools, plant and materials issued to him at the place to be ascertained from the Engineer, within 7 days of receipt of such letter.	
8.3.2	In all such cases of Termination of work, the Trustees shall have the power to complete the work through any other agency at the Contractor's risk and expense and the Contractor shall be debited any sum or sums that may be expended in completing the work beyond the amount that would have been due to the Contractor, had he duly completed the work of the work in accordance with the contract.	
8.3.3	Upon termination of contract, the Contractor shall be entitled to receipt payment of only 90% of the value of work actually done or materials actually supplied by him and subject to recoveries as per contract, provided the work done and materials conform to specifications at the time of taking over by the Trustees. The payment for work shall be based on measurements of actual work done and priced at approved contract rates or other rates, as decided by the Engineer. The payment for materials supplied shall be at the rates as decided by the Engineer, which shall I in no case be more than market rates prevailing at the time of taking over by the Trustees. The Engineer's decision in all such case shall be final, binding and conclusive.	
8.3.4	The Trustees shall have the power to retain all moneys due to the Contractor until the work is completed by other agency and the Contractor's liabilities to the Trustees are known in all respect.	
9.0	MAINTENANCE AND REFUND OF SECURITY DEPOSIT	
9.1	On completion of execution of the work the Contractor shall maintain the same for a period, as may be specified in the form of a Special Condition of the Contract, from the date mentioned in the Initial Completion Certificate in Form G.C.1. Any defect/fault, which may appear in the work during aforesaid maintenance period, arising, in the sole opinion of the Engineer or his representative, from materials or workmanship not in accordance with the contract or the instruction of the Engineer or his representative, shall, upon the written notice of the Engineer or his representative, be amended and made good by the Contractor at his own cost within seven days of the date of such notice, to the satisfaction of the Engineer or his representative, failing which the Engineer or his representative shall have the defects amended and made good through other agency at the Contractor's risk and cost and all expenses, consequent thereon or incidental thereto, shall be recoverable from the Contractor in any manner deemed suitable by the Engineer.	Contractor's obligation for maintenance of work.

GC – 25

9.2	The Contractor shall not be considered completed and the work shall not be treated as finally accepted by the Trustees, until a Final Completion Certificate in Form G.C.2 annexed hereto shall have been signed and issued by the Engineer to the contractor after all obligations under the Contract including that in the maintenance period, if any, have been fulfilled by the Contractor. Previous entry on the works or taking possession, working or using thereof by the Trustees shall not relieve the Contractor of his obligations under the contract for full and final completion of the work.	Certificate of final completion
9.3	On completion of the contract in the manner aforesaid, the Contractor may apply for the refund of his Security Deposit by submitting to the Engineer (I) The Treasury Receipts granted for the amount of Security held by the Trustees, and (ii) his “No further claim” Certificate in Form G.C.3 annexed hereto (in original), where upon the Engineer shall issue Certificate in Form G.C.2 and within two months of the Engineer’s recommendation, the Trustees shall refund the balance due against the Security Deposit to the Contractor, after making deduction therefrom in respect of any sum due to the Trustees from the Contractor.	Refund of Security Deposit
10.0	INTERPRETATION OF CONTRACT DOCUMENTS, DISPUTES AND ARBITRATION	
10.1	In all disputes, matters, claims, demands or questions arising out of or connected with the interpretation of the Contract including the meaning of Specifications, drawings, designs and instructions or as to the quality of workmanship or as to the materials used in the work or the execution of the work whether during the progress of the works or after the completion and whether before or after the determination, abandonment or breach of the contract the decision of the Engineer shall be final and binding on all parties to the contract and shall forthwith be given effect to by the Contractor.	Engineer’s decision
10.2	If the Contractor be dissatisfied with any such decision of the Engineer, he shall within 15 days after receiving notice of such decision require that the matter shall be referred to Chairman, who shall thereupon consider and give a decision.	Chairman’s award.
10.3	If, however, the Contractor be still dissatisfied with the decision of the Chairman, he shall within 15 days after receiving notice of such decision require that within 60 days from his written notice, the Chairman shall refer the matter to an Arbitrator of the panel of Arbitrators to be maintained by the Trustees for the purpose and any such reference shall be deemed to be a submission to arbitration within the meaning of Indian Arbitration Act, 1940 or any statutory modification thereof.	Arbitration.
10.3.1.	If the Arbitrator so appointed is unable or unwilling to act or resigns his appointment or vacates his office due to any reason whatsoever, another person from panel shall be appointed as Sole Arbitrator and he shall proceed from the stage at which his predecessor left it.	

GC - 26

10.3.2	The Arbitrator shall be deemed to have entered on reference on the date he issues notice to both the parties fixing the date of first hearing.	
10.3.3	The time limit within which the Arbitrator shall submit his award shall normally be 4 months as provided in Indian Arbitration Act, 1940 or any amendment thereof. The Arbitrator may, if found necessary, enlarge the time for making and publishing the award, with the consent of the parties..	
10.3.4	The venue of the arbitration shall be either Kolkata or Haldia as may be fixed by the Arbitrator in his sole discretion. Upon every or any such reference the cost of any incidental to the reference and award respectively shall be in the discretion of the Arbitrator who may determine, the amount thereof or by whom and to whom and in what manner the same shall be borne and paid.	
10.3.5	The Award of the Arbitrator shall be final and binding on all parties subject to the provisions of the Indian Arbitration Act 1940 or any amendment thereof. The Arbitrator shall give a separate award in respect of each item of disputes and respective claim referred to him by each party and give reason for the award.	
10.3.6	The Arbitrator shall consider the claims of all the parties to the contract – within only the parameters of scope and conditions of the contract in question.	
10.3.7	Save as otherwise provided in the contract the provisions of the Arbitration Act, 1940 and rules made thereunder, for the time being in force, shall apply to the arbitration proceedings under this Clause.	
10.4	The Contractor shall not suspend or delay the work and proceed with the work with due diligence in accordance with Engineer's decision. The Engineer also shall not withhold any payment, which, according to him, is due or payable to the Contractor, on the ground that certain disputes have cropped up and are likely to be referred to arbitration.	
10.5	Provided always as follows:	
	[a] Nothing of the provisions in paragraphs 10.3 to 10.3.7 hereinabove would apply in the cases of contracts, where tendered amount appearing in the letter of acceptance of the tender / offer is less than Rs.40,00,000/-.	
	[b] The Contractor shall have to raise disputes or differences of any kind whatsoever in relation to the execution of the work to the Engineer within 30 days from the date of occurrence of the cause of dispute and before the preparation of the final bill, giving detailed justifications, in the context of contract conditions.	

GC – 27

	[c]	<p>Contractor's dispute if any arising only during the maintenance period, if any, stipulated in the contract, must be submitted to the Engineer, with detailed justification in the context of contract conditions, before the issuance of final completion certificate in Form G.C.-2 ibid.</p> <p>No dispute or difference on any matters whatsoever, the Contractor can raise pertaining to the Contract after submission of certificate in form G.C.3 by him.</p>	
	[d]	<p>Contractor's claim / dispute raised beyond the time limits prescribed in sub-clauses 10.5[b] and 10.5 [c] hereinabove, shall not be entertained by the Engineer and / or by any Arbitrator subsequently.</p>	
	[e]	<p>The Chairman / Trustees shall have the right to alter the panel of Arbitrators, vide Clause 10.3 hereinabove, on their sole discretion, by adding the names of new Arbitrators and / or by deleting the names of existing Arbitrators, without making any reference to the Contractor.</p>	

THE BOARD OF TRUSTEES FOR THE PORT OF KOLKATA

FORM OF TENDER

To

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

I/We _____

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

THE TOTAL AMOUNT OF TENDER Rs. **NOT TO BE QUOTED**

(Repeat in words)

.....

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

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

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

Dated :

(Signature of Bidder with Seal)

WITNESS :			
Signature :		Name of the Bidder : (In Block letters)	
Name : (In Block letters)		Address :	
Address :			
Occupation :			

Syama Prasad Mookerjee Port, Kolkata

FORM G.C.1

Contractor _____

Address -----

Date of completion :.....

Dear sir(s),

This is to certify that the following work viz :-

Name of work :

.....

.....

Estimate No. E.E.O.....Dt.....

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

Work Order No.....

Allocation.....

Contract No.

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

from the _____ day of _____ 20.....

to _____ day of _____ 20..... .

Yours faithfully,

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

Name.....

Designation.....

OFFICE SEAL

Syama Prasad Mookerjee Port, Kolkata

FORM G.C.2.

Certificate of Final Completion.

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

This is to certify that the following work viz:-

Name of work :

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

Work Order No.....

Contract No.

Resolution & Meeting No.

Allocation :

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

Signature.....

(ENGINEER/ENGINEER'S REPRESENTATIVE)

NAME.....

DESIGNATION.....

OFFICE SEAL

Syama Prasad Mookerjee Port, Kolkata

FORM G.C.3

(NO CLAIM ' CERTIFICATE FROM CONTRACTOR)

The Engineer
Syama Prasad Mookerjee Port, Kolkata

Kolkata.

(Atten:.....)

Dear Sir,

I / We do hereby declare that I / we have received full and final payment from the Syama Prasad Mookerjee Port, Kolkata for the execution of the following work viz:-

Name of work : _____

Work Order No :- _____

Contract No. _____

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

and I / we have no further claim against the Syama Prasad Mookerjee Port, Kolkata in respect of the above-mentioned job.

Yours faithfully,

(Signature of the Contractor)

Dated _____

Name of Contractor.....

Address:.....

(OFFICIAL SEAL OF THE CONTRACTOR)

Syama Prasad Mookerjee Port, Kolkata
PROFORMA OF FORM OF AGREEMENT

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 covenants 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 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:

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 fore-bearance, act or commission on the part of the Trustees or any indulgence by the Trustees to the contractor or by any such matter or thing of whatsoever nature, which under the law relating to sureties would, but for this provision, have effect of so relieving us,.....Branch, 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)

INTEGRITY PACT

Between

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

And

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

Preamble

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

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

NOW, THEREFORE,

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

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

Section 1 – Commitments of the Principal/ Employer.

- (1) The Principal commits itself to take measures necessary to prevent corruption and to observe the following principles:
 - a. No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - b. The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will, in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
 - c. The Principal will exclude from the process all known prejudiced persons.
- (2). If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal Code (IPC)/Prevention of Corruption (PC) Act, or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions.

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

- (1) The Bidder(s)/Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.
 - a. The Bidder(s) /Contractor(s) will not directly or through any other person or firm, offer, promise or give to any of the

Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

- b. The Bidder(s)/Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contract, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
 - c. The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act; further the Bidder(s)/Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 - d. The Bidder(s)/Contractor(s) of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly the Bidder(s)/Contractor(s) of Indian Nationality shall furnish the name and address of the foreign principles, if any. Further details as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers" shall be disclosed by the Bidder(s)/Contractor(s). Further, as mentioned in the Guidelines, all the payments made to the Indian agent/representative have to be in Indian Rupees only. Copy of the "Guidelines on Indian Agents of Foreign Suppliers" is annexed and marked as Annex-A.
 - e. The Bidder(s)/Contractor(s) will when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- (2). The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

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

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

Section 4-Compensation for damages

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

Section 5-Previous transgression

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

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

- (1) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity

Pact, and to submit it to the Principal before contract signing.

- (2) The Principal, will enter into agreements with identical conditions as this one with all Bidders, Contractors and Sub-contractors.
- (3) The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

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

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

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

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

Section 9 – Facilitation of Investigation:

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

Section 10 – Pact Duration:

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

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

Section 11 – Other Provisions:

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

(For & on behalf of the Principal)

(For & on behalf of Bidder/Contractor).

(Office Seal)

(Office Seal)

Place :

Date :

Witness 1:

(Name & Address)
.....
.....

Witness 2:

(Name & Address)

.....
.....

GUIDELINES FOR INDIAN AGENTS OF FOREIGN SUPPLIERS

- 1.1 There shall be compulsory registration of Indian agents of Foreign suppliers for all Tenders. An agent who is not registered with SMP, Kolkata shall apply for registration in the prescribed Application-Form.
- 1.2 Registered agents will file an authenticated Photostat copy (duly attested by a Notary Public)/Original certificate of the principal confirming the agency agreement and giving the status being enjoyed by the agent and the commission/ remuneration/salary/retainer ship being paid by the principal to the agent before the placement of order by SMP Kolkata.
- 1.3 Wherever the Indian representatives have communicated on behalf of their principals and the foreign parties have stated that they are not paying any commission to the Indian agents, and the Indian representative is working on the basis of salary or as retainer, a written declaration to this effect should be submitted by the party (i.e. Principal) before finalizing the order.

2.0 DISCLOSURE OF PARTICULARS OF AGENTS/REPRESENTATIVES IN INDIA. IF ANY.

- 2.1 Tenderers of Foreign nationality shall furnish the following details in their offer:
 - 2.1.1 The name and address of the agents/representatives in India, if any and the extent of authorization and authority given to commit the Principals. In case the agent/representative be a foreign Company, it is to be conformed whether it is real substantial Company and details of the same shall be furnished.
 - 2.1.2 The amount of commission/ remuneration included in the quoted price(s) for such agents/ representatives in India.
 - 2.1.3 Confirmation of the Tenderer that the commission/remuneration if any, payable to his agents/ representatives in India, is to be paid by SMP, Kolkata in Indian Rupees only.

2.2 Tenderers of Indian Nationality shall furnish the following details in their offers:

- 2.2.1 The name and address of the foreign principals indicating their nationality as well as their status, i.e. whether manufacturer or agents of manufacturer holding the Letter of Authority of the Principal specifically authorizing the agent to make an offer in India in response to tender either directly or through the agents /representatives.
- 2.2.2 The amount of commission/remuneration included in the price(s) quoted by the Tenderer for himself.
- 2.2.3 Confirmation of the foreign principals of the Tenderer that the commission/remunerations, if any, reserved for the Tenderer in the quoted price(s), is to be paid by SMP, Kolkata in India in equivalent Indian Rupees.
- 2.3 In either case, in the event of contract materializing, the terms of payment will provide for payment of the commission/remuneration, if any payable to the agents/representatives in India in Indian Rupees on expiry of 90 days after the discharge of the obligations under the contract.
- 2.4 Failure to furnish correct and detailed information as called for in paragraph-2.0 above will render the concerned tender liable for rejection or in the event of a contract materializing, the same liable to termination by SMP Kolkata. Besides this there would be a penalty of banning business dealings with SMP, Kolkata or damage or payment of a named sum.

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.
