



Syama Prasad Mookerjee Port, Kolkata.
श्यामा प्रसाद मुखर्जी पोर्ट, कोलकाता

KOLKATA DOCK SYSTEM

DIRECTOR, MARINE DEPARTMENT

15, Strand Road, Kolkata – 700001/ 15, स्ट्रैंड रोड, कोलकाता – 700 001
Telephone no. 033-2230 3214 / 033-22303451, Extn- 375
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Website : smportkolkata.shipping.gov.in

BID DOCUMENT

FOR THE TENDER

OF

Intermediate Survey Repair & Dry Docking of P.V. “Ma Ganga”

Tender No. MRN/NC/321/Intermediate Survey Repair (Ma Ganga)/2020

November – 2020

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SCHEDULE OF TENDER (SOT)

Tender No.	MRN/NC/321/Intermediate Survey Repair (Ma Ganga)/2020
Tender Authority	Director, Marine Department, Syama Prasad Mookerjee Port, Kolkata 15, Strand Road, Kolkata-700001, Phone:033-2230-3451/ 033-2230-3214 - Extn:375, Fax No: 033-2231-3271 E-mail: calport@kolkataporttrust.gov.in , dmd@kolkataporttrust.gov.in Website: smpportkolkata.shipping.gov.in
Mode Of Tender	e-Procurement System Online <i>under one cover</i> , consisting of Techno-Commercial Bid and Price Bid, through CPP Portal (https://eprocure.gov.in/eprocure/app) The intending bidders are required to submit their offer electronically through NIC's CPP Portal for e-Procurement (GePNIC). No physical tender is acceptable by Kolkata Dock System.
Estimated value of Tender	Rs. 1,25,45,890/-
i) Earnest Money Deposit	Rs.2,50,918/-(Rupees Two lakh Fifty Thousand Nine Hundred Eighteen) only plus GST @ 18% (CGST-9% and SGST- 9%).
ii)Tender Document fees	Rs. 1,500/- (Rupees One Thousand Five Hundred only) plus GST @ 18% (CGST-9% and SGST- 9%) non-refundable
	"Tender Document fees" and "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 "Syama Prasad Mookerjee Port,Kolkata" and payable at Kolkata or "Treasury Receipt" of the deposit issued by the Treasurer, Syama Prasad Mookerjee Port, Kolkata , as the case may be. Scanned document of both to be e-filed, the original shall be submitted within 3 days from the date of opening of bid.

Date of NIT available to parties to download	27.11.2020 at 1800 hrs.
Off-line Pre-Bid Meeting date , time & place	09.12.2020 at 1400 hrs., in the room of Director, Marine Department.
Date of Starting of e-Tender for submission of online (Techno-Commercial Bid and Price Bid) at https://eprocure.gov.in/eprocure/app	12.12.2020 at 1000 hrs.
Date of closing of online e-tender for submission of Techno-Commercial Bid & Price Bid.	22.12.2020 at 1400 hrs.
Date and time of opening of Bid (i.e. Techno-commercial & Price Bid)	23.12.2020 at 1400 hrs.

Note:

In case of unscheduled Holiday / Bandh on any of the above days, the same will be opened/held on the next working day at the scheduled time without any further notice.

Important Instructions for e-Tender

Bidders are requested to use internet Browsers Firefox version below 50 / Internet Explorer version 8 or above, and Java 8 Update 151 or 161.

Further, bidders are requested to go through the following information and instructions available on the CPP Portal <https://eprocure.gov.in/eprocure/app> before responding to this e-tender:

- Bidders Manual Kit
- Help for Contractors
- FAQ

Independent External Monitor:

1. Ms. Bulbul Sen, IRS (Retd.)
2. Shri Subhashish Sarkar, IPoS (Retd.)

Contact Persons (Syama Prasad Mookerjee Port, Kolkata):

1. Ujjal kumar Das, Commodore Chief Engineer,
Phone : 9433358457
E-mail : ukdas@kolkataporttrust.gov.in
2. Samant Kumar, Assistant Engineer Superintendent.
Phone : 8017288022
E-mail : samant.k@ kolkataporttrust.gov.in

Contact persons (CPP Portal):

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

TENDER NOTICE**e-tender for Intermediate Survey Repair & Dry Docking of pilot vessel “ Ma Ganga”**

TENDER No. MRN/NC/321/Intermediate Survey Repair (Ma Ganga)/2020
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ESTIMATED VALUE OF THE TENDER IS Rs. 1,25,45,890/-.
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Syama Prasad Mookerjee Port, Kolkata intends to invite for Intermediate Survey Repair & dry Docking of port owned pilot vessel “Ma Ganga” at KPDD.

e-Tender is invited for the above work from reputed, bona fide, and resourceful Ship Builders/Ship Repairers who meet the following pre-qualification criteria: -

1.0 Pre-qualification criteria:

The pre-qualification criteria shall be as follows:

1.1) The firm must have carried out ship repair/ship building works having proven record of hull, deck and structural works, engine and machinery repairs in course of last 7 years and must have own workshop facility for carrying out such repair/survey work.

1.2) The firm must have experience of having successfully completed **similar works** during the last 7 years up to September 2020 which should be in the following manner:

a) 3 (three) similar completed works each costing not less than 40% of the estimated value i.e Rs. 50.18 Lakh.

OR

b) 2 (two) similar completed works each costing not less than 50% of the estimated value i.e Rs. 62.72 Lakh.

OR

c) 1 (one) similar completed work costing not less than 80% of the estimated value i.e Rs. 100.36 Lakh.

“Similar Work” means ship repair/ship building works.

1.3) The average annual financial turnover of the firm during the last 3 years ending **March 2020 should be at least 30% of one year’s estimated value i.e. Rs. 37.63 Lakh** and same to be duly certified by Chartered Accountant mentioning **UDIN** (Unique Document Identification Number).

Provisional Turnover certificate duly audited by a Chartered Accountant for 2019-20, if audit for FY 2019-20 is in progress, may be furnished.

1.4) Claims for fulfilling the above criteria must be adequately supported by the relevant Agreement/Work order and Performance Certificate from the contract/work ordering entity, Audited Balance Sheet and Profit & Loss A/c of the bidding entity along with schedules and audit report, for last 3 years (2016-17, 2017-18 & 2018-19).

Bid Document may be downloaded from:

a) SMP, Kolkata's website: smportkolkata.shipping.gov.in

or

b) NIC's CPP Portal for e-procurement (GePNIC): <https://eprocure.gov.in/eprocure/app>

Amendment, Corrigenda or Clarifications, if any, shall be hoisted on the above-mentioned websites only.

2. MODE OF SUBMISSION OF BID:

2.1 The Tenders are to be submitted online through e-tendering under one cover comprising the Technical Bid (Part I) and Price Bid (Part-II). 'Part-I' should constitute the Technical Bid and 'Part-II' should constitute only the Price Bid without any deviation and condition. Both parts i.e. Part-I and Part-II are to be submitted through NIC's CPP Portal for e-Procurement (GePNIC) at <https://eprocure.gov.in/eprocure/app>.

2.2 Techno-Commercial & Price bid will be opened electronically on specified date and time as given in the NIT. Bidder(s) can witness electronic opening of bid. This will contain the following self attested & stamped documents which are to be uploaded: -

- a) Brief particulars of the Firm including shipyard facilities.
- b) Current Trade License.
- c) GST Registration Certificate.
- d) Professional Tax Clearance Certificate/current tax payment challan.
- e) Authentic Performance Certificate of similar previous works carried out mentioning value of work and period.
- f) Proof of being registered with Employees' State Insurance Corporation (ESIC)/ ESI Registration Certificate.

In case the firm is not covered under ESI Act, or exempted, they would furnish necessary documents from appropriate authority along with an affidavit in original

affirmed before a first-Class Judicial Magistrate in a non judicial stamp paper worth Rs.10/- to that effect as per enclosed SMP, Kolkata approved format enclosed in **Annexure III**. In addition, the bidders not having ESI registration must also indemnify SMP, Kolkata against all damages and accidents occurring to their labour in a non-judicial stamp paper worth Rs.50/- as per enclosed format (**Annexure IV**).

g) Proof of possessing valid Employees' Provident Fund (EPF) Account. Copy of Current P.F. Statement / PF Registration Certificate.

In case they are exempted under Provident fund act, they would furnish necessary documents issued by appropriate authority along with an affidavit affirmed before a first-class Judicial Magistrate to the effect as per enclosed Proforma (**Annexure-V**).

h) Original Bank Draft/Banker's Cheque/Pay Order payable to "Syama Prasad Mookerjee Port, Kolkata" for Earnest Money Deposit of **Rs.2,50,918/-(Rupees Two lakh Fifty Thousand Nine Hundred Eighteen)** plus GST @ 18% (CGST-9% and SGST- 9%) physically in the office of the Superintendent, New construction, Marine Department (Address to Director, Marine Department), 15, Strand road, Kolkata-700001, within three days of opening of the bid. A photocopy of the same also to be uploaded in their offer through NIC's CPP Portal for e-Procurement (GePNIC).

i) A separate letter addressing to Director, Marine Department confirming that the bidder has accepted all terms and conditions laid down in the bid document should be enclosed.

j) Photo Copy of PAN Card and details of ECS like (i) Name of the Bank with Code No., (ii) Address, (iii) A/C No., (iv) Name of the Branch with MICR Code/IFSC (for outsiders).

k) Firms would require submitting the bar chart for entire items of work under BOQ for the section A & B.

l) Copy of Treasury Receipt of Rs. 1,500/- (**non-refundable**) plus GST @ 18% (CGST-9% and SGST- 9%), issued by SMP, Kolkata or original Bank Draft/Banker's Cheque/Pay order in favour of "Syama Prasad Mookerjee Port, Kolkata" as cost of Tender Document physically within three days of opening of the bid. A photocopy of the same also to be uploaded in their offer through NIC's CPP Portal for e-Procurement (GePNIC).

m) Self declaration of compliance of Contract Labour Regulation Abolition Act(1970) , Workmen Compensation Act and Minimum wage act.

n) Self declaration of the bidder that the bidding firm has not been debarred/ de- listed by any Govt/ Quasi Govt./Public Sector undertaking in India.

o) Micro and Small Enterprises (MSE's) shall submit the following documents for availing themselves of waiver of EMD and cost of tender documents: -

- i) Valid NSIC Registration Certificate with list of stores/items/services/works for which registration is issued; or
- ii) Certificate of District Industries Centre (DIC) or AADHAR based MSME certificate where the categories of firms i.e. Micro or Small is mentioned.

Note: If Micro & Small Enterprises (MSEs) registered with NSIC intends to participate in the tender, for the items they are not registered with NSIC, then they will have to deposit cost of Tender Document, full amount of Earnest Money as per NIT, otherwise their offer will not be considered. The "Similar Work" of PQ criteria of the NIT must be mentioned in the store details/Major activity and Services of the certificate.

p) UNDERTAKING:

The bidder shall submit following unconditional undertaking while submitting the bid using digital signature.

"The bidder has fully read and understood the entire Tender Document, GCC and Addenda, if any downloaded from under the instant e-tender and no other source, and will comply to the said document, GCC and Addenda."

With this there will be no necessity to upload signed bid document and GCC.

q) Power of Attorney in original in connection with signing the tender document.

2.3 The contractor shall submit the documents as per the Check List above (i.e.as mention in clause no.-1.0 & 2.2) at the time of submission of the bid online. The bids will be summarily rejected without any reference to the bidder if the documents mentioned against clause no. 1.3,1.4, and 2.2 Sl. No. c, h, l, o, & p are not submitted with the bid.

3.0 Part-II (Price Bid) shall be quoted online as per the enclosed format without any condition or deviation. Price bid must be filled up in EXCEL Sheet through CPP Portal.

3.1 Rate per unit of items enclosed under "Annexure" with BOQ also to be quoted online as per the enclosed format. These items will not be considered for the evaluation of tender. This will be evaluated separately depending upon the actual work that may develop. Rates to be operated on the basis of lowest quotation received against the Tender. The successful Tenderer will have to accept the lowest rate offered by any of the participating firms for each of the item. Payment for additional work if any, will be made according to rates thus fixed. It is to be noted if any rate has been taken in the

BOQ and work is required to be carried out in excess of BOQ quantity, the operative rate for the excess quantity, would be lower of the quoted rate of the party and the rate derived from this Annexure.

4.0 INSTRUCTION TO BIDDERS

4.1 Bidders are advised to submit quotation based upon Technical Specification, Terms & Conditions, Scope of Work contained in the Bid Documents and General Conditions of Contract and not to stipulate any deviation. Should it, however, become unavoidable, deviations should be suggested during Pre-Bid meeting. SMP, Kolkata reserves the right to accept or reject the suggested deviations. No deviation from the laid down conditions of the Bid Document is firm unless it is notified by SMP, Kolkata.

4.2 Syama Prasad Mookerjee Port, Kolkata will not be responsible for any costs or expenses incurred by the Bidder in connection with the preparation and submission of his bid or for any other expenses incurred in connection with such bidding.

4.3 The work is to be done as described in Bid-Document. The Bidders who needs clarifications on any specific issue shall inform the Engineer in writing well in advance of the date of Pre-Bid discussion at the address given in the next clause.

4.4 The bidders are advised to examine the tender documents carefully and if the bidders find any discrepancy or omission in the Bid Document or have any doubt as to the meaning or intent of any part thereof, they shall at once inform the Engineer, who may send a written explanation to the queries. No oral interpretations shall be made by any Bidder as to the meaning, if any, of the provisions of the Bid Documents. Every request for an interpretation shall be in writing, addressed and forwarded to the Engineer at the following address: -

**The Director Marine Department
Syama Prasad Mookerjee Port, Kolkata,
15, Strand Road,
Kolkata-700 001.**

4.5 The bidders may please note that the Syama Prasad Mookerjee Port, Kolkata will not entertain any correspondence or queries on the status of the offers received against this Bid. Bidders are also requested not to depute any of their personnel or agents to visit the Syama Prasad Mookerjee Port, Kolkata Offices for making such inquiries. Should Syama Prasad Mookerjee Port, Kolkata find it necessary to seek any clarification, technical or otherwise, the concerned bidder will be duly contacted by Syama Prasad Mookerjee Port, Kolkata.

4.6 Canvassing in any form by the Bidder or by any other agency acting on behalf of the Bidder after submission of the bid will disqualify the said bidder. Syama Prasad Mookerjee Port, Kolkata may reject, accept, or prefer any bid without assigning any reason whatsoever.

4.7 While evaluating tender regard would be paid to National Defense and security consideration.

4.8 In case of unscheduled Holiday / Bandh on the date of pre-bid meeting / opening of tenders, the same will be opened on the next working day at the scheduled time.

4.9 Trustees reserve the right to verify the submitted copies of documents /credentials with the original documents.

4.10 The Bid and any annotations or accompanying documentation shall be in English language only and in Metric System.

4.11 Bidders shall clearly indicate their legal constitution and the person signing the tender and also shall state his capacity and also the source of his ability to bind the bidder. The power of attorney or authorisation or any other document constituting adequate proof of the ability of the signatory to bind the bidder, shall be annexed to the bid. Syama Prasad Mookerjee Port, Kolkata may reject outright any bid unsupported by adequate proof of the signatory's authority.

4.12 The Bid Document shall be completed in all respect and shall be submitted together with requisite information and appendices. It shall be complete and free from ambiguity, change or inter lineation.

4.13 Bidders shall set their quotations online as per BOQ format and without any qualifications. Price Bids, containing any sort of qualifying expressions will be rejected.

4.14 Changes to Terms & Conditions as enumerated in the bid document will not be valid if not notified by Syama Prasad Mookerjee Port, Kolkata in writing to the bidder. In the event of Syama Prasad Mookerjee Port, Kolkata intends to or awards the work against the said bid to the successful bidder, and the bidder fails to commence the work in stipulated time, the **Earnest Money** will be liable for forfeiture.

4.15 Syama Prasad Mookerjee Port, Kolkata reserves the right to ask anyone of the bidders, who have submitted their price quotations, to submit a break-up of the submitted prices with adequate justification to establish for each such component. Bidders to confirm in writing in the form of Tender that should Syama Prasad Mookerjee Port, Kolkata deem it necessary to ask for such a break up of quoted price, they will be

duly bound to provide justification to the same failing which or if their justification of prices are found unacceptable to SMP, Kolkata, their Tenders may be cancelled by Syama Prasad Mookerjee Port, Kolkata.

4.16 Director, Marine Department or his representative may convene meeting with the bidder with seven days prior notice which the bidders will have to attend, failing which decisions of the Director, Marine Department taken unilaterally will be final and binding on the bidder

4.17 The General conditions of contract of SMP, Kolkata shall be applicable wherever relevant.

4.18 The bidders must upload 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.

4.19 Syama Prasad Mookerjee Port, 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.

4.20 Tender Document (Non-transferable) will be available in the website: smportkolkata.shipping.gov.in / CPP Portal. Parties downloading the tender document from above websites should ensure submission of either the Receipt from Treasurer, SMP, Kolkata or Demand Draft towards Tender Fee, failing which the tender will not be considered.

4.21 The bidder before filing and submitting the Tender is expected to thoroughly examine the Tender Documents including all instructions, forms, terms, specifications, schedules and reference drawings. Failure/omission to furnish this information required by the tender Document on submission of a bidder which is substantially responsive to the tender requirement will result in the rejection of such tender.

4.22 Indian agent on behalf of the Principal or Principal itself can bid but both cannot bid simultaneously for the tender. If an agent submits bid on behalf of the Principal, the same agent shall not submit bid on behalf of another principal.

4.23 Deadline for submission of Tender:

The completed tender shall be submitted online within the prescribed date and time as indicated in the SOT. Further, the last date of submission of the tender will not be extended under any situation.

4.24 Amendment of Tender Document: At any time prior to the deadline for the submissions of tenders, SMP, Kolkata may, for any reason, whether on its own initiative or in response to a clarification requested by a prospective bidder, modify the Tender Documents by issuance of addenda, which shall be in writing and uploaded in the same websites. Such addenda will form part of their Tender. The Tender Document shall be deemed to be amended only by way of the amendments mentioned above. Any other communication issued to the bidders shall not be construed to as amendment to the Tender Document.

4.25 Submission of queries/Pre-bid meeting: In case, the Tenderers need any clarification relating to this tender document, relevant queries may be submitted to the Director, Marine Department, at least 3 days before pre bid meeting for SMP, Kolkata readiness to effectively conduct the pre-bid meeting.

4.26 Inspection of the vessel: The bidders are advised to inspect the vessels at Haldia/Kolkata to acquaint themselves with the actual work involvement with prior consent of the Director, Marine Department before submission of the bids.

4.27 The proprietor/partner(s) /authorized signatory of the bidding firm (in the case of proprietorship firm /partnership firm/limited company, as the case may be) is/are not associated with any other firm bidding for the same work.

5. THE TENDERER SHALL DISTINCTLY UNDERSTAND: -

a) That he will be strictly required to confirm to the general Conditions of Contract and Specification as contained in each of its Clauses.

b) “Custom Prevailing” will not in any case be admitted as an excuse on his part for infringing of any of the conditions.

c) That acceptance or non-acceptance of any one of the terms and conditions, herein stated before, shall be clearly mentioned. ‘Non-acceptance and/or non-compliance of any of the above terms and conditions may render the tender liable to rejection.

d) Subcontracting of additional work.

If any additional items of work crops up during repair which is specialized in nature & may require specialized services of outside agencies (preferably OEM) then in such cases subcontracting of work shall be allowed with prior approval of SMP, Kolkata on the basis of competitive rates as may be applicable, and payment shall be made on the basis of subcontractor’s bill plus 10% profit. Subcontractor’s bill shall clearly state the taxes included and no profit should be levied in case of taxes.

e) Rates are also required to be filled up for the items of work not to be considered for evaluation in the attached annexure. It shall be binding on the successful tenderer to accept the lowest quoted rate by any of the party for each of the item under such head and shall be operated upon if required.

f) The bidders must upload 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.

g) NON-RESPONSIVE BIDDER: -

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

- (i) is not accompanied by requisite earnest money,
- (ii) is not accompanied by requisite tender paper cost,
- (iii) validity of the offer is less than tender stipulation,
- (iv) does not meet the Qualification Criteria as stipulated in the NIT.
- (v) The bidder submits conditional offer/impose own terms and conditions completely/offer or tender if submitted with any deviation from the tender terms and conditions.
- (vi) if the tender is conditional.
- (vii) if all the documents required as per NIT are not uploaded.

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

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

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

6. EARNEST MONEY DEPOSIT (EMD):

a) Earnest Money Deposit of **Rs.2,50,918/- (Rupees Two lakh Fifty Thousand Nine Hundred Eighteen)** only plus GST @ 18% (CGST-9% and SGST- 9%) shall be submitted by Demand Draft/Bankers Cheque/Pay Order in favour of “Syama Prasad Mookerjee Port, Kolkata” payable at Kolkata, **within three days after date of opening of the bid.**

b) Earnest Money of unsuccessful bidders will be returned within 2 months of opening

of Price Bid or on finalization/acceptance of tender, whichever is earlier without interest. If Price Bid is opened before expiring of validity of Earnest Money Instrument the same will be refunded to the bidders other than L-1 bidder. Earnest Money Deposit of L-1 bidder will only be encashed. If Price bid cannot be opened for any reason before expiry date of Earnest Money Instrument, the bidders would be requested to extend the validity of the EMD instrument within the validity period of the offer, failing which the EMD instrument would be encashed. Tender submitted without EMD shall not be considered.

c) Earnest Money Deposit of successful bidder will be returned without interest after submission of Security Deposit. However, the contractor may opt for converting the EMD as a part of Security Deposit. **In case the successful bidder fails to accept the contract or fails to submit the Security Deposit, the Earnest Money (EMD) will be liable for forfeiture.** Earnest Money shall also be forfeited, if any bidder withdraws his offer within the validity period of the tender and/or alters/amends any terms and/or conditions and/or quoted rate(s), within the validity period of the offer, making it unacceptable to SMP, Kolkata. For the purpose of the provision, the validity period shall include any/all extension thereof as agreed to by the bidder in writing. Syama Prasad Mookerjee Port, Kolkata shall also be at liberty to deduct any of their dues from Earnest Money.

d) 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.**

e) For Micro & Small Enterprise (MSEs) registered with NSIC: -

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

ii). If Micro & Small Enterprises (MSEs) registered with NSIC intends to participate in the tender, for the items they are not registered with NSIC, then they will have to deposit cost of Tender Document, full amount of Earnest Money as per NIT, otherwise their offer will not be considered.

iii). Copy of valid NSIC Registration Certificate with list of stores/items/services/works for which registration is issued or Certificate of District Industries Centre (DIC) or AADHAR based MSME certificate where the categories of firms i.e. Micro or Small is mentioned must be submitted along with the bid.

7.0 SECURITY DEPOSIT:

7.1 Successful bidder will submit Security Deposit for a sum equivalent to “**10% of the total evaluated amount**” plus GST @ 18% (CGST-9% and SGST- 9%) furnished in Bill of Quantities as accepted by SMP, Kolkata either in Demand Draft or in the form of Bank Guarantee as per enclosed format in favour of “Syama Prasad Mookerjee Port, Kolkata” from a Nationalised /Scheduled Indian Bank with office at Kolkata through Marine Department (Supdt. New Construction). In the event of issuing Bank Guarantee by any branch outside Kolkata, any Kolkata branch of such bank shall confirm the same and stand by for all the commitments under the Bank Guarantee. In all cases, any dispute regarding such Bank Guarantee will be adjudicated under the jurisdiction of The Kolkata High Court. The Security Deposit shall remain valid for 6(six) months after successful completion of the repair work. The Security Deposit will be released within 30 days after successful completion of the guarantee period without interest.

7.2 SMP, Kolkata shall encash the Security Deposit in the event the contractor fails to comply with the conditions of the contract or when the contractor has defaulted for more than 30 days to commence operation at the order of authorized officer or when any amount is to be recovered from the contractor as penalty or deduction and the contractor fails to remit such amount within 30 days after due notice given in this regard.

7.3 The Director, Marine Department shall have the right to ask for the extension of the above Demand Draft/Bank Guarantee till such time the contractual obligation are fulfilled and the contractor will be duty bound to extend the same as asked by Director, Marine Department.

7.4 SMP, Kolkata will not be liable for any financial obligation in connection with any work until such time SMP, Kolkata communicates to the successful bidder in writing his decision to entrust the work (covered by the Bid document).

7.5 After the issuance of Letter of Intent, Security Deposit will have to be submitted within 7 (seven) working days. Work Order will be issued immediately after receipt of Security Deposit subject to availability of the dry dock. The contractor shall commence the work from the date of placement of work order or from the date the vessel is placed in dry dock and the dry dock made suitable for working, whichever is later.

8.0 Duties and Taxes

- (1) The rate quoted shall be including all statutory levies excluding GST, which will be paid extra. GST shall not be considered for evaluation of the bids.
- (2) **General Terms & Conditions:**
Supplier/service provided to confirm that the GST amount charged in invoice is declared in its returns and payment of taxes is also made.

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

Syama Prasad Mookerjee Port, Kolkata has the right to recover monetary loss including interest and penalty suffered by it due to any non-compliance of tax laws by the supplier/service provider. Any loss of input tax credit to Syama Prasad Mookerjee Port, Kolkata for the fault of supplier shall be recovered by Syama Prasad Mookerjee Port, Kolkata by way of adjustment in the consideration payable.

Supplementary invoices/Debit note/credit note for price revisions to enable Syama Prasad Mookerjee Port, Kolkata to claim tax benefit on the same shall be issued by you for a particular year before September of the succeeding Financial Year.

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

If any new taxes and duties, increase in existing taxes and duties are imposed by the central / state government and is applicable in this contract, these shall be paid by the Trustees in addition as the same are not included in the quoted rates.

9.0 INPUT TAX CRITERIA:

All bidders to note for execution of work following steps are required to be taken so that SMP, Kolkata can avail the Input Tax Credit, wherever applicable.

i) Spare parts which is to be procured from OEM/authorised dealers the contractor will ensure invoices are drawn in the name of the contractor however it should be marked account Syama Prasad Mookerjee Port, Kolkata with ship name and address of the vessel as per applicable Acts & rules of GST. SMP, Kolkata would provide GST for availing Input tax credit.

ii) As far as possible all other materials to be procured from first/2nd stage dealer and maintained the above formalities to the extent possible so that SMP, Kolkata can avail the Input tax Credit but it shall not be mandatory.

10.0 Interpretation of Terms

In the Contract and specifications, the following works and expressions shall have the following meanings.

'THE TRUSTEES' - The expression "THE TRUSTEES" means the Board of Trustees of the Port of Kolkata.

The "OWNER" shall mean the Board of Trustees for the Port of Kolkata, a statutory body constituted under the Major Port Trust Act, 1963.

The "CHAIRMAN" means the Chairman of the Board and includes the person appointed to act in his place under Section 14 & 14A of the Major Port Trust Acts, 1963.

"THE DIRECTOR MARINE DEPARTMENT" - The expression "The Director, Marine Department" means the office holding that post under the Trustees and includes his successors in office.

"THE ENGINEER" - The expression "The Engineer" means the Director, Marine Department, for the purpose of this contract only.

"THE ENGINEER'S REPRESENTATIVE": The expression "The Representative" means any officer or person from time to time deputed by the Trustees or Director Marine Department to act on their behalf for the purpose of this contract.

The "CONTRACTOR" shall mean the person or persons, firm or company or corporation whose bid has been accepted by OWNER and includes the CONTRACTOR'S Legal Representatives, his successors and permitted Assigns

"THE VESSEL" - The expression "The Vessel" means "P.V. Ma Ganga".

"DAY" - means duration of 24 hrs. Commencing at 00.00 hours midnight till 2400 hours and includes Sundays and Holidays.

11.0 PRICING OF THE BID

11.1 General: The Bid shall be quoted as per format of Price Bid.

11.2 Currency of Quotations

The bidder shall indicate the prices in Indian Rupees only.

11.3 Validity of Price Bid

The Part-II (Price Bid) shall be valid for acceptance for a minimum period of 180 (one hundred eighty) days from the date of opening of bid.

12.0 Evaluation and comparison of bids.

12.1 Syama Prasad Mookerjee Port, Kolkata reserves the right to accept price part of the offer (part-II) of only such bidders whose technical and commercial aspects of the proposals (part-I) are acceptable and complete. Syama Prasad Mookerjee Port's decision in this regard shall be final and binding on the bidder.

12.2 Evaluation will be made on the basis of summation of costs of all items under Sec(A) & Sec(B) of Bill of Quantities by adding Lump sum costs as well as item wise unit rates multiplied by quantity specified for evaluation. The prices quoted shall include all statutory levies excluding GST which will be paid extra.

12.3 If it is found on examination of a tender that there is a discrepancy between the total amount inserted in the bill of quantities and the amount arrived at by valuing the quantities set out there in and the rates and prices set against them, by the tenderer, calculation for the total amount will be made on the basis of Unit Rates multiplied by quantities and evaluation will be done accordingly.

12.4 No escalation on the quoted price is admissible during the period of the contract.

12.5 Syama Prasad Mookerjee Port, Kolkata will not be duty bound to notify the names of unsuccessful bidders nor the reasons for the same.

13. 0 Bid Opening

Technical & Commercial Bid and Price Bid: -

One representative of each bidder will be allowed to be present during the opening of the Bid provided such representative possesses a written authorization from the bidder.

Price Bid of only those Bidders, whose Technical and Commercial proposals are complete and acceptable, shall be considered for evaluation.

14.0 The General Conditions of Contract of “Syama Prasad Mookerjee Port, Kolkata” shall be applicable wherever relevant. The G.C.C. may be downloaded from SMP, Kolkata website, “Home Page - Rules and Regulations - Non-Service Registration - General Conditions of Contract - Forms and Agreements.”

15.0 Repair Time & Time of completion:

15.1 The entire work will be required to be completed within 40 calendar days(excluding the day of docking, undocking, shifting and trial day) from the date of placement of work order or from the date the vessel is placed in dry dock and the dry dock made suitable for working, whichever is later.

15.2 The vessel would be in the Dry dock for a period of 30 days and afloat repair, survey, trials and commissioning of the vessel will have to be completed within balance 10 calendar days' time after undocking on completion of work in dry dock and placement of the vessel in an alongside berth. If there is any shifting of the vessel the day will not be counted for above and the day of final trial in presence of surveyor which will be performed at least 04 hours in the river, will not be counted.

15.3 For any days or part thereof loss in working hours due to unforeseen reasons, leading to delay in completion of the repairs, the same would be required to be noted jointly with SMP, Kolkata's representatives, the Log Book to be maintained on board the vessel.

15.4 In the event of increase in work in dry dock/under afloat condition the firm would be allowed additional time at the discretion of Engineer of the contract. Failing which LD would be applicable.

15.5 It is to be clearly understood that additional work up to a value of 15% of the evaluated amount other than supply of material may have to be executed within the above stated time frame except for the works that are identified later and may not have enough time for execution within stipulated time for which additional time would be permitted.

15.6 In the event it becomes essential that the vessel has to sail for any emergency and the entire work is not complete, SMP, Kolkata will be at liberty to sail the vessel and allow the balance work to be carried out later. In those cases, the days vessel is not available to the repairer will be recorded and will not be counted towards LD.

15.7 SMP, Kolkata's standard Force Majeure Clause will be applicable.

16.0 INTRODUCTION OF WORK

The PILOT VESSEL, MA GANGA is a Multipurpose vessel of SMP, Kolkata stationed at Haldia having following dimensions: Length- 50.626 M., Beam -11.50 M, Draft -3.0 M., Depth-

4.50 M., built in the year 2007. The vessel is manned, operated and maintained by a Private Contractor and is generally in good condition. The vessel is under I.V. Act. Vessel is required to undergo Intermediate Survey as per the rule requirement and will be placed in KP Dry Dock at an early date.

Work consists of USG, renewal/repair of hull and deck plating/fenders/zinc blocks, inspection and associated work of forepeak, blasting and painting of underwater hull/ship side, inspection and overhauling of sea suction and discharge valves, renewal of anodes, servicing, overhauling of ship's deck machineries and engine room machineries, air conditioning system, ship's propulsion system, steering, pumps, motors, electrical works, also if any recommendation by surveyor, including rectification.

Some additional works over and above the BOQ may be required to be carried out as per recommendation of IRS/MMD surveyor for the purpose of certification of the vessel and order would be placed by the appropriate authority of SMP, Kolkata.

17.0 SCOPE OF WORK: -

Entire work has been broadly divided in two Sections i.e. Section "A" & Section "B"

17.1 Hull & Structure including Chipping and Painting - Section "A"

This comprises of ultra-sonic gauging as recommended by surveyor. Renewal/repairs of underwater hull plating including quartz blasting and painting of underwater damaged/renewed plate areas upto ship side including all appendages, overhauling of Sea Suction Gratings, overboard sea suction and discharge valves, renewal of anodes, hammer testing of pipes, painting of draft marks, renewal of damage fenders, LSA and FFA, Load line items, windlass etc. However, if recommended by surveyor, renewal of propellers & tail-end shafts with spares of SMP, Kolkata may be required.

17.2 Entire Machineries - Section "B"

This comprises of dismantling & complete overhauling of both main engines, and generators, various accessories, steering, electrical equipment, ship's propulsion system, sea suction and over board valves, various pumps, pipes, various electrical machineries and associated work, Galley, internal cleaning, of engine room etc. and various electrical works to be presented for survey and assemble back after complying with the recommendation of survey and finally assembling and trial to be carried out to the satisfaction of Surveyor/ SMP, Kolkata representatives. \

There are several unit rate items of work which are given in Annexures not to be considered for evaluation of Tender. All the bidders should submit rates against those items, However, the successful bidder/s must undertake the work of those unit rate items under Annexures at the L1 rate obtained on each item of work considering the offers received from all the bidders.

18.0 SMP, Kolkata's Responsibilities: -

Syama Prasad Mookerjee Port, Kolkata shall provide Fresh water at berth / dry-dock free of cost.

Dry dock will be made available to the repairer free of cost for the stipulate period of 30 working days. Afloat berth shall be provided free of cost to carry out repairs.

Dry-dock crane and floating crane facility in berth / dry-dock, will be supplied by SMP, Kolkata to the extent available free of cost to the successful tenderer on submission of their written requirements/bookings at least 24 hrs. in advance on any working day. Dry dock crane facility is available only in Dry Dock No.2

19.0 TERMS OF PAYMENT:

19.1 Progressive payment would be made within 45 days of submission of clear bill, as per the Invoice under GST Act read with rules, in triplicate, to be submitted with items of work and quantities of work completed supported with all necessary documents like work done certificate, challans, bills etc. To process payment smoothly separate bills should be raised for bought out items & BOQ items of work. Respective BOQ items should be clearly indicated against the bought-out items.

The contractor shall have to submit quantum of item-wise work done on completion of every seven days from the date of commencement of work for the purpose of issuance of work done certificate by SMP, Kolkata.

It is to be noted, in event the repair work is not completed in time, for official formalities for application of LD for the delayed period would take considerable time and final payments would be delayed accordingly.

19.2 For Structural Work

- i) 50% on removal of steel plates/structural members to be cropped renewed/faired after gauging & on fitting of steel plates/structural members in place and tack welding the same.
- ii) 20% on completion of all welding and inspection by Surveyor.
- iii) 20% on completion of work in all respect.
- iv) 10% on final survey by the surveyor and commissioning of the vessel.

19.3 For all Tank Work

- i) 20% on opening and cleaning of tanks and presentation to the surveyor for initial inspection.
- ii) 70% on completion of all work in the tank in all respect.
- iii) 10% on final survey and commissioning of the vessel.

19.4 **For Surface Preparation & Painting**

- i) 20% after completion of Surface Preparation of the area as in Bill of Quantities.
- ii) Progressive payment against purchase of paints, 80% value of the suppliers' invoices/receipts up to a ceiling of 40% value of the total contract price of chipping, painting item of Bill of Quantities upon availability of above paints on board.
- iii) Balance minus 10% on completion of final painting.
- iv) 10% after final survey and commissioning of the vessel.

19.5 **Engine & Machinery/deck machinery:**

- i) 25% on dismantling of any machine, pump, valve, motor, starter, shaft, rudder, propeller, blower etc. under any particular item of the Bill of Quantities of the Tender and open survey by the Surveyor/ SMP, Kolkata representative for item not for survey.
- ii) 50% on boxing up of the machinery.
- iii) 15% on satisfactory trial of the machinery.
- iv) 10% on commissioning of the vessel.

19.6 All payments due to the contractor under the contract shall be made in Rupee Currency through ECS/RTGS. No foreign exchange is payable on this contract. All payments like refund of Earnest Money, Security Deposit and all bill of contractor will be paid through ECS/RTGS. For this purpose, following details are to be furnished by the contractor while raising the first bill: -

- a) Name of the bank with Code No. :
- b) Name of the Branch with Code No. :
- c) Bank account No. :
- d) Type of account (Strike out whichever : Saving/Current/Cash Credit
is not applicable)
- e) MICR /IFSC :

The account may be with a bank within the ECS Zone prescribed by the RBI.

20.0 SPECIAL CONDITIONS OF CONTRACT

20.1 The Contractor shall be deemed to have carefully examined the Vessel, documents and fully understood the condition of the tender, general condition, Technical & Commercial Specification, Drawings, bill of Quantities & Terms of payment, Instruction to Tenderer etc. The information being provided in the Tender Document do not relieve the bidders for carrying out the work to the satisfaction of SMP, Kolkata and he shall use any and every other method to ensure adequacy of their offer.

20.2 All the materials required must be of reputable make, Grade I quality & confirm to Indian standard or other relevant standard approved by the M.M.D / I.R.S. workmanship shall be of its particular kind and to the entire satisfaction of Engineer or his authorized representatives.

20.3 Should any alteration or addition to the works specified in specifications, not involving extra cost to the contractors be considered necessary or expedient by either bidder or by the Trustees and verbally agreed or in writing, the contractor shall execute the same without any charge beyond the contract price. But if the Trustee shall desire any alterations or addition involving extra cost to the contractors, the contractor before executing the same shall tender to the Trustees a written offer stating the nature and cost of such alterations or additions and the extension of time in writing which the contractors shall be bound to execute the work. No extra cost shall be charged by the contractors or if charged shall be paid for by the Trustees except such as may be embraced in such written offer and acceptance. Rebate or refund of such sums as may be mutually agreed upon in writing, representing the value of materials and workmanships that may be dispensed with by reasons of any such addition or alteration.

20.4 All materials and workmanship used and employed in carrying out this contract shall be to the entire satisfaction of the Trustees. Any portion or portions of the works done under this contract which may be considered by the Trustees to be defective or unsatisfactory or not in accordance with the specification and which they shall reject & shall be forthwith replaced / reconstructed with fresh materials, as the case may be, in a manner satisfactory to the Trustees and stated by the Trustees in writing and at the sole risk and expense of the Contractors.

20.5 The Contractors shall at all times during the progress of the repair Work of vessel, employ sufficient number of skilled workmen and Labour as necessary and proceed with the works hereby agreed to be executed hereinafter referred to as the work in order to secure the due completion of the work within the time limited for that purpose by this contract and shall also at all times during the progress of works upon being required so by the Trustees hasten the rate of progress of repair and completion of the Work in accordance with any such requisition and to the satisfaction of the Trustees, provided always nothing herein contained nor anything done or omitted to be done by the Trustees in pursuance hereof shall be deemed to release the Contractor's firm or diminish or affect in any way their obligation to complete the Work within the time limited by this contract or their liability in respect thereof.

20.6 The Contractor shall provide the representative all facilities for inspecting the materials and workmanship used or intended to be used or employed during the progress of repair work of vessel and shall also provide labour free of charge as may be required from time to time for the purpose of such inspection.

20.7 Dry dock will be made available to the repairer free of cost for the stipulate period of 30 working days. In case the dry dock stay is delayed due to reasons attributable to the contractor, the dry dock charges as per relevant scale of rate of SMP, Kolkata will be deducted from the contractor's bills.

20.8 Intermediate Survey & dry docking of both the vessels shall be completed in all respect in accordance with this contract ready after completion of work, referred to as follows:

From the date of placement of vessel in dry dock and the dock floor being dry, the entire work to be completed in 40 calendar days (30 days in dry dock to complete the work. Another 10 days will be permitted under afloat condition excluding the day of docking, undocking.)

Any extension of time without approval of SMP, Kolkata, would attract LD as per clause No.20.9 of this contract. Clause 8.0 of GCC also to be referred regarding delay/Extension of completion time.

20.9 Liquidated Damage

All delays caused beyond the control of the contractor, will be jointly recorded, and signed for which a register will be maintained onboard. Reasons not attributable to the contractor would be such as incessant rains, dry dock flooded with water, power cut, inclement weather condition when painting cannot be done, strike etc. L.D. would be imposed on this contract @ ½% per week or part thereof subject to a limit of 10% of the total work value. Clause 8.0 of GCC also to be referred regarding Liquidated Damage. G.S.T. will be recovered extra from the party.

20.10 In the event of any defect being discovered in any part of the vessel during the period of 06 (six) calendar months from the date of commissioning, arising out of faulty workmanship or inferior material, the Contractor at their own cost shall make good the defects by renewal/repair at Kolkata/Haldia in the shortest time practicable without affecting SMP, Kolkata operation.

The cost of removing any such defective portions and reconditioning them where applicable and of replacing such portions shall be borne by the Contractor. Any delay in carrying out the repairs according to the option of the Trustees would be compensated by the Contractors by extending their guarantee period. In the event of failure of the Contractor to execute the guarantee repairs to the Trustees satisfaction the Trustees shall be at liberty to have the said guarantee repair completed at their workshop or through other agencies and recovered the cost from the Contractor.

20.11 In the event of the vessel not being completed for commissioning in accordance with the clause 20.8, the Trustees shall be at liberty (in such case) to deduct from any sum of money finally due to the Contractor. Provided always that if the SMP, Kolkata representative certifies in writing that such delay or any portions thereof has arisen in connection with the strike of workmen under Contractors or disputes of workmen or accidental fire or from Act of God or other causes which in the opinion of the representatives were unavoidable and could not be foreseen or overcome by Contractors, then in such cases the Trustees shall have the power to extend the time accordingly, fixed for completion.

20.12 The Contractor shall be solely responsible for the satisfaction of and shall at all time indemnify the Trustees Officers against any claims or actions arising from accidents or injuries to workmen or other persons or damage to property which may arise during the execution of this contract or from the breach of any law or regulation prior to handing over of the vessel after completion of the job.

20.13 Contractor shall not sublet this work or any part thereof to any other firm or company without the previous permission of the Trustees in writing. However, subletting, if permitted, shall not exonerate the contractor from his liability under this contract.

20.14 This contract shall be construed to be effected according to the law for the time being in force in India.

20.15 Nothing in this tender shall be deemed to or shall impose any personal liability on any of the Trustees or the representative.

20.16. Any notice or other documents of any discretion under this Contract may be given or sent to the Contractors by leaving the same or sending the same to them by post at their works.

20.17. Extra & Excess work would be dealt in the following manner.

- (i) Work to be carried out immediately on receipt of order from the Engineer-in-Charge of the vessel or their representative.
- ii) Consent to be taken from the Engineer-in-Charge of the vessel regarding booking of Skilled & Unskilled Labour and to be reasonable for each additional item of work.
- (iii) Detailed break up of Material, Skilled & Unskilled Labour to be submitted to the Engineer-in-Charge for consideration of SMP, Kolkata immediately on noticing the requirement/surveyor's recommendation for placement of the matter to the Committee to decide the extra cost and time.
- (iv) Daily record of Material & Labour engaged for each additional item of work to be maintained by the Engineer-in Charge. The contractor shall have to furnish details to him for maintaining such record.

21. TECHNICAL SPECIFICATION:

21.1 Quality & Workmanship:

21.2 The work is to be carried out with best quality materials and with highest degree of workmanship to the entire satisfaction of M.M.D./I.W.T./IRS Surveyors & SMP, Kolkata's Representative.

21.3 All steel material to be of I.S. 2062 Grade 'A'/Grade 'B' with proper test certificates. Generally, all hull plating, bulkhead plating, up to main deck and main deck plating shall be IS 2062 Grade 'B' and all other plates and sections shall be not less than IS 2062 Grade 'A' quality / Equivalent. In the event there is no supporting test certificate or the surveyor is not sure of the quality, the tenderer would be required to send random sample pieces to M.M.D's authorized Test Houses for testing at the Tenderer expense.

21.3.1 Welding:

21.3.2 All welding to be carried out in an approved manner and as per code of practice of relevant Indian standard specification (Latest Revision)

21.3.3 All weldings are to be carried out by certified welders. Certificates of welders to be produced to SMP, Kolkata representatives or Surveyors as and when asked to do so by them.

21.3.4 All butt welds shall have full penetration and wherever possible shall be welded from both sides.

21.3.5 All weld joints in hull, deck, tank top plating and wherever required at other places shall be watertight.

21.3.6 In case of any doubt, welding, as may be recommended by the M.M.D. Surveyors/ SMP, Kolkata's Representatives, shall be subjected to non-destructive testing e.g. Radiography, D.P. Test etc. and the entire cost of such testing shall have to be borne by the tenderer. Rectification of defects as may be recommended by the M.M.D./I.R.S. Surveyors after such testing shall have to be done by the Tenderer, free of cost.

21.4 Electrodes:

Electrodes to be used for welding shall be of approved variety/brand of Statutory Authority.

21.5 Shaping of plates & Sections:

While renewing plates and sections which require shaping/forming, shaping and forming of new plates/sections to the true profile/contour are to be done in the tenderer fabrication yard prior to fitting those on board, to the extent possible.

21.6 Thickness of the plates & sections:

The Tenderers must ensure themselves of the thickness of the plates & Sections to be renewed from the relevant as fitted drawings, available on board. Renewals are to be carried out with the original thickness of plates and Sections in case of non availability the matter to be brought to the notice of the engineer of the contract and approved next higher sections to prevent the delay in work. However, the proof of non-availability of specific sections needs to be submitted to the engineer of the contract. No dispute in this regard will be entertained.

21.7 Length & Width of the Plates:

Unless otherwise approved/recommended, the length & width of the new plates shall be not less than the respective existing ones to the extent possible which required renewal.

21.8 Size of the rolled Section :

Unless otherwise approved/recommended the existing rolled sections requiring renewal shall be replaced with respective same size of rolled sections.

21.9 Replacement of all timbers if not otherwise specified, shall be done with good quality Sal Wood.

21.10 Staging :

Staging of adequate strength and area, together with reasonable access thereto as per safety regulations shall be provided by Tenderers to facilitate the work of repair/renewal painting and inspection.

21.11 Hose Testing :

All welded joints, butts to be tested with water hose having adequate pressure for ascertaining water tightness and shown to Surveyor, if required. Necessary Hose, Hose coupling, Nozzle for undertaking hose testing will be provided by SMP, Kolkata from the vessel. Necessary arrangements for testing have to be done by the Tenderers & all other costs to be borne by the tenderer.

21.12 All Engine / Machinery Parts will be supplied by SMP, Kolkata to the extent available. **If not supplied by SMP, Kolkata, to be purchased by the Tenderer from the manufacturers or their authorized dealers and supported with proper purchase documents. In event of non-availability, the use of non-OEM spares would be permitted with prior approval of the engineer of the contract.**

21.13 Electrical Items :

Unless otherwise specified, overhauling of motor includes stator/rotor cleaning and revarnishing of winding with air drying varnish, replacement of bearings, and examination of rotor shaft and bearing housing for flaws/cracks, corrosion to be repaired if found defective. Repair of terminal box, if required, painting of motor, running test after assembly and after installation in ship.

Unless otherwise specified, the routine repair on switch board includes cleaning of dirt and dust, examination of all the contact units. Replacement of contactor units, if

required, to be done by OEM/L & T/Siemens/Leg rand make (to the extent possible) which will be paid extra. To check the hold on coil/no volt coil and overload unit adjustment. Examination of internal connections.

Unless otherwise specified, overhauling of starter, panel of equipment/motors will include renewal of defective indication lamps, lamp covers, fuses, fuse bases, fuse carrier, defective wiring and locking system. Relay contactor units and overload trip to be checked and adjusted. Replacement if required to be made by OEM/L & T/Siemens/Leg rand make which will be paid extra.

21.14 Surface Preparation & Painting:

All paints should conform to their latest respective Standard Specification, shall be supplied in sealed containers showing their batch no., date of manufacture and other details and shall be obtained from reputed manufacturers, e.g. Berger Paints, Shalimar Paints, Jenshon & Nicholson & I.C.I. or any other reputed make, except for epoxy based paints, to be used for underwater/shipside to be of AKZONOBLE/SIGMA or JOTUN or makes which are used internationally.

All external hull plates including inside and outside bull work to be blasted cleaned thoroughly and all other steel surfaces to be chipped/scrapped/wire brushed wherever necessary to make the surface free from rust. Dust, grease etc. and should be dry at the time of painting. Blasting to be carried out in two stages i.e. once after dry docking of the vessel to facilitate inspection by Surveyor & USG of the plates and once before painting. Blasting before painting should be done to achieve SA 2.5 Application of epoxy based paints to be done by airless spray painting.

Confirmatory Certificates to be furnished from the representative of the paint manufacturer at each stage of painting, i.e. before and on completion of each coat of paint in respect of surface preparation and quality of painting as per painting schedule including the DFT measured by a measuring instrument with valid calibration certificate. Random photographs of underwater area to be taken at all stages of the surface preparation & painting. On completion of work all the documents including the photographs to be submitted in triplicate to SMP, Kolkata for records.

PAINTING SCHEDULE

Painting should be done as per following schedule. Thickness of each coating should be as per manual of the paint manufacturer.

- i) **Hull exterior under water portion including all appendages upto to load water line & inside of sea chest area (all paints should be epoxy based):**

Primer	-	1 coat
Anti corrosive coat	-	1 coat
Tie coat	-	1 coat

Anti fouling coat - 2 coat

- ii) **Hull exterior from top edge of load water line to top of bulk work inside and outside (all paints should be epoxy based):**

Primer coats - 1 coat
Finish paint - 2 coat

- iii) **All exposed decks including top side:**

Primer coat - 1 coat
Finish paint coats - 2 coat

- iv) **Super structures :**

Primer coat - 1 coat
Finish paint coat - 2 coat

- v) **Engine Room/steering compartment**

- a) **Flat bottom to underside of Platform plates including all structural members, except tanks:**

Primer (oil resisting paint) - 2 coats

- b) **Above platform plate up to inside of Engine Room casing, funnels etc. to be chipped / scrapped, soap washed and painted after primer coat where necessary.**

- c) **Piping System :** Entire piping systems in the vessels.

Zinc chromate primer - 1 coat
Synthetic Enamel paint - 1 coat
(All pipelines to be identified by different colour codes as per Shipbuilding practice)

- vi) **All machinery's pumps, motors etc:**

Synthetic Enamel paint after soap wash - 1coat (existing colour)

- a) **Hull interior void space/cofferdam, forepeak tank, ballast tank, below deck store etc:**

Primer - 2 coats

- b) **Rest of the exposed steel**

Zinc chromate primer - 1 coat
Synthetic enamel paint - 1 coat (existing colour)

c) Chain Lockers:

Black Bitumastic Paint - 2 coats

vii) Seats of Deck machinery's and auxiliary machinery's (E.Room)/steering compartment.

Zinc Chromate primer - 1 coat
 Synthetic Enamel (light Grey) - 2 coats

viii) Anchors and anchor chain:

Bituminous paint - 2 coats

ix) Deck fitting - Machineries, Bollards, Samson Posts etc.

Zinc chromate primer - 1 coat
 Synthetic enamel (Black) - 2 coats

x) Ballast Tank:

Epoxy primer - 2 coats

21.15 Rectification of defects.

The Tenderers will be bound to rectify the defects in material and workmanship detected at any stage of inspection and even after final inspection. Such rectification will have to be done in a manner approved by M.M.D/I.R.S Surveyor/ SMP, Kolkata Representative at no extra cost to the Trustees. No extension of completion time will be granted on account of such rectification work.

22. COMMERCIAL SPECIFICATION

The Tenderers are requested to take prior information of availability of vessel at Haldia/Kolkata and inspect the vessel thoroughly in order to assess the volume of work and to quote their prices against each item of work bill of quantities. Wherever lump sum value has been asked for any item of job in Bill of quantity, the tenderer shall quote strictly lump sum rates for the entire job in that item. Wherever the unit rates have been asked for the tenderer shall quote the unit price. **The quantities shown against such item is for evaluation purpose. Payment will be made as per actual quantity duly certified.** No dispute in this regard at a later stage will be entertained.

22.1. Electric power at berth/dry dock will be supplied to the contractor by SMP, Kolkata to the extent possible as per requirement on chargeable basis from the nearest available source. Rate will be charged as per maximum slab of M/s CESC Ltd. for L.T. power supply prevailing at the time of execution. However, the contractor shall indicate in advance the required load and nearest source point at their own expense. The electrical work is to be carried out as per relevant rules under supervision of SCC Holder Supervisor.

Additional local illumination, over & above the existing illumination is to be arranged by the Contractor, if required, at their own cost and arrangement.

The tenderers are requested to indicate the No. of electrical points and power required in their technical Part i.e. Part No.1 for the dry dock and afloat repairs separately. The contractor should comply with the provision of Indian Electricity Act, Central Electricity Regulation from time to time. Due care shall be taken in ensuring that their electrical contractors engaged only the competent persons holding national certificate/supervisor certificate of competency issued by Directorate of Electricity, Govt of West Bengal or equivalent. Temporary power supply shall be given only after receipt of self-declaration/certification by the contractor's competent person regarding compliance to statutory safety norm as applicable for the equipment they proposed to use.

22.2 In case of requirement of re-dry docking of the vessel within the guarantee period **due to fault on the part of the contractor** in carrying out the repairs of the vessel, all charges for rectification of the defects including docking/undocking of dry dock charges, crane facility, etc. shall be payable by the contractor.

22.3 The Tenderers would be required to arrange for their own security of their equipment etc. during working period.

22.4 In case of any damage to SMP, Kolkata property due to fire, theft, bad workman or otherwise, the tenderer would be required to rectify/repair the same at their own expense to the entire satisfaction of SMP, Kolkata.

22.5 All scrap materials arising out of the repairs would be required to be delivered to Trustees' Sales Yard/Island W/S Scrap Yard free of cost by the successful tenderer for respective areas of work. Some engine and machinery spares, fittings and fixtures and equipment would be required to be delivered free of cost to Trustees' Yard or deposited with the Commander/Chief Engineer of the Vessel as per directive of the Commander/Chief Engineer of the Vessel.

22.6 At all stages inspection facilities for the I.W.T./M.M.D./I.R.S. Surveyors and SMP, Kolkata's representatives at site and at the Tenderers' Workshop and at their suppliers' godown/stores etc. shall be arranged by the Tenderers, free of cost.

22.7 The contractor shall book the I.W.T/M.M.D./IRS Surveyors according to the requirement, cost of the work and Surveyor's fees would be paid by SMP, Kolkata. The successful tenderer shall be required to extend all facilities in this regard including transport for surveyor.

22.8 The Tenderers are requested to inspect the vessel thoroughly at KDS/HDC in order to quote their prices against each items of work under the Bill of Quantities both for unit rates and L.S. rates. **No dispute in this regard at a later stage will be entertained should there be any observation, deviation, if any shall not be entertained at the time of opening of price bid.**

22.9 In the entire specification all steel renewal as applicable will be paid extra if not mentioned in Bill of Quantities at the renewal rate irrespective of whether it is unit rate or L.S. item.

22.10 Unless otherwise specified, in the entire specifications in all items of work whether unit rate or lump sum rate, all Washers, Studs, G.I. Bolts & Nuts, Screw and other fasteners, joints, split pins, jointing & compounds will be also treated as consumables and cost of renewals of those as necessary/required shall be taken in account by the tenderer while quoting such rates/L.S. rates against respective items of work. Cost of good will be paid as in the case of bought out items at actual cost plus 10% handling & transportation charges. (OEM Gaskets and Rings for specific machineries shall be treated as spares and will be paid extra) except where specifically mentioned and rates are available for the items of work not to be considered for evaluation.

22.11 In the entire specifications, unless otherwise specified, in all L.S. rates items of work wherever repair/attending to steel work, e.g. foundations, structures, fixtures etc. have been asked for or necessary, such 'repair' will cover, within the quoted price, local preparation of part/parts of such structure, mending and welding of cracks, buildings up and grinding of part/parts etc. all in an approved manner and as recommended. However, steel renewal if any other than the consumables as specified in all above will be paid extra at steel renewal rate under provisions of item 22.9 above.

22.12 Renewal of all M.S. & G.I. pipes will be paid on pro-rata basis, based on lump sum rates while quoting the costs for nut bolts washers joints gasket compound etc should be taken as same will not be paid extra old flanges will have to be used.

22.13 Unless otherwise specified renewal of all items of materials in L.S. rates or unit rates such as spares, pumps, valves, pipe line fittings, fender bolts, engine/machinery spares, pipes, under water fittings, casting/machinery of parts/and such items not specifically mentioned in the bill of quantities/terms and conditions and which cannot be foreseen prior to undertaking of the job and or depend upon the surveyors, recommendation, would be paid as bought out items. Handling and transportation charges @ 10% on the basic price of such materials (basic price should be excluding G.S.T.) would be paid extra for fittings of such materials on the vessel. In each of the above cases the tenderer will have to produce original purchase documents. i.e. receipts / Challan / invoices, duly certified by SMP, Kolkata representative. Such purchase should be made from OEM or their authorized dealers wherever applicable. In rare event of non-availability of OEM non critical spare parts same may be replaced by non OEM spares, with the prior consent of the Engineer of the contract.

For supply of Non-OEM parts, three quotations will be necessary if the cost exceeds Rs. 25000/- excluding G.S.T.

22.14. Unless otherwise specified all timber renewals will be paid at timber renewal rate.

22.15 It may be so required that certain plant and machinery, equipment furniture fixtures, paneling may be required to be removed and fitted back in order to attend to adjacent repairs such as steel renewal etc. required to be carried out under the B.O.Q of the tender. In such events, mutually agreed upon rates depending upon the size and involvement would be operated upon and the work would be treated as additional work.

22.16 It is for this purpose for undertaking all such unforeseen items of work which may crop up during working, all tenderers are to indicate their skilled and unskilled labour rates under the Bill of Quantities of the tender. For all such additional work, detailed break up indicating labour, material etc. is to be submitted for consideration of SMP, Kolkata.

22.17 The SMP, Kolkata reserves the right to reallocate any section of work under the Bill of Quantities for smooth working and for timely completion of work. In the event of default by the contractor or slow progress of repair by the contractor, SMP, Kolkata reserves the right to get such work done by any firm by invoking risk purchase at the cost and time of the contractor. The extra cost and the extra expenditure incurred by SMP, Kolkata on this account shall have to be borne by the contractor.

22.18. Any item under BOQ may be deleted if considered not necessary by the engineer of the contract.

22.19 It shall be responsibility of the contractor to have the antecedents of their employees verified prior allowing entry to the port area.

22.20 The work must continue round the clock, on all days including Sundays/Holidays to ensure completion of work within the stipulated repair time given hereinafter.

22.21 All contractor workers to use safety gear such as safety shoes, helmets etc. without which they would not be allowed to work on board/ in dry dock.

22.22 All brought out items to be purchased as far as possible from the firms having GST registration and each bill for such purchase must display the GST Regn. No. as well as the amount of GST charged specifically. In absence of GST Regn. No. and charges, SMP, Kolkata is not bound to honour the bill.

22.23. It shall be the responsibility of the contractor to clean the dry dock floor of all materials, as well as walkways on top. If not done prior undocking of the vessels, SMP, Kolkata reserves the right to arrange for cleaning and deduct the charges from the contractor without any reference to the contractor.

Guarantee:

22.24. All works to be guaranteed for a period of 06 months from the date of commissioning of the vessel against bad materials and faulty workmanship. Guarantee repairs will have to be carried out at Haldia/Kolkata at the Tenderers Cost without affecting SMP, Kolkata's operations. If any equipment/machine is put into use prior to commissioning of the vessel then guarantee shall be operated from the date such equipment/machine is put in use. In case, if it is required to place the vessel in Dry Dock for carrying out such repair job, charge of Dry Dock would have to be paid by the contractor.

22.25 It will be Tenderers' responsibility to obtain approval of I.W.T./M.M.D./I.R.S. Surveyors / SMP, Kolkata's representative prior to use of any material/bought out items in the vessel. It shall also be the responsibility of the tenderer to establish quality/grade and size of the material being used in the vessel and co-relate the same with purchase document produced. SMP, Kolkata, however, reserve the right to reject any material found to be of inferior quality/not conforming to the specification at any stage of repair.

22.26 The rates quoted in the tender shall hold good and be binding on the Tenderer for a period of 180 days from the date of opening of Part-I, notwithstanding any increase in the cost of materials and labour or levy or other charges whatsoever and the tenderer shall not be entitled to claim any increase over the rates quoted by them.

22.27 Should there be any divergence of views, the decision of the Director (Marine) / his Representative would be considered as final.

22.28 For special additional items of work, sub-contracting may only be allowed with prior permission including approval of rates from SMP, Kolkata and payment will be made at Subcontractor's Bill excluding GST + 10% as profit.

22.29 Cost of all bought out items will be reimbursed on production of bills along with purchase documents excluding GST as applicable + 10% handling transportation charges on the basic cost of material.

22.30 The successful tenderer have to arrange unarmed Security Forces for Security & security of their men and materials at their own cost against any sort of Pilferage / theft for which SMP, Kolkata will not be liable.

23. Special note w.r.t. excess and extra work: -

All participating firms to note that the modus operandi w.r.t. excess and extra work for timely completion of repair work.

Excess & Extra Work

a) The work of ship repairing is complex in nature and since the work has to be executed in a time bound manner, the Engineer of the contract or his representative, in all cases, shall issue the work order for all 'Excess & extra work' as may be required or

recommended by statutory authorities, so that the work continues without any hindrance.

b) Consent to be taken from the Engineer-in-Charge of the vessel regarding booking of Skilled & Unskilled Labour and to be reasonable for each additional item of work.

c) Detailed break up of Material, Skilled & Unskilled Labour to be submitted to the Engineer-in Charge for consideration of SMP, Kolkata immediately on noticing the requirement/surveyor's recommendation for placement of the matter to the committee to decide the extra cost and time.

d) As regards certification against 'excess work', there should not be any difficulty as the rates are already available in the BOQ except that the revised value of the work (estimate) will have to be formalized through post facto administrative approval on completion of all repairs.

e) For undertaking any item of 'excess work' up to a limit of $\pm 15\%$, the contractor shall be paid at his quoted rate but the rate will be negotiable if the quantum of this particular work exceeds the above limit.

f) A committee comprising of suitable representatives from Marine and Finance and one representative out of CME/CMM, as the case may be, would be set up in advance for evaluation and certification of 'extra work', for each repair. The committee would meet on fixed days twice a week on board the vessel and give clear decision w.r.t. cost and time for extra work. The committee members from non-operational departments may undertake periodical inspection of the vessel to familiarize themselves with the nitty-gritty of the works involved.

g) Where payment is to be made against OEM spares, the payment will be certified by the committee based on original bills produced by the contractor from the authorized OEM spares supplier.

h) As regards payment against Non-OEM spares/items of work up to a ceiling of **Rs. 25000/-** plus GST for each item, the committee may certify the 'reasonableness' of the cost based on single quotation produced by the contractor from any supplied or shop having a registration number.

i) For payment against Non-OEM spares/items of work above **Rs. 25000/-** plus GST for each item, the committee may certify the 'reasonableness' of the cost based on at least three quotations produced by the contractor from the suppliers or shops having appropriate registration numbers.

It is to be noted, in event the repair work is not completed in time, for observing official formalities for application of LD for the delayed period would take considerable time for which final payments would be delayed accordingly.

NOTE: Special Condition of Contract will override the G.C.C. The terms and conditions not mentioned in the tender document shall be governed by the General Conditions of Contract.

24.0 Termination of Contract/ Risk Purchase:

24.1 Without being liable for any compensation to the contractor, the Trustee may in their absolute discretion, terminate the contract after giving a minimum of one month's 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.

- a) The contractor has abandoned the contract.
- b) In the opinion of the engineer, either the progress/performance of work is not satisfactory, or the work is not likely to be completed within the agreed period and terms and conditions on account of contractor's lapses.
- c) The contractor has failed to commence the work or has without any lawful excuse under this condition has kept the work suspended for at least fifteen days despite receiving the Engineer's or his representative written notice to proceed with the work.
- d) The contractor is not executing the work in accordance with the contract or is persistently or flagrantly neglecting to carry out his obligations under the contract or repeatedly failing in tests and trials.
- e) Any bribe, commission, gift or advantage is given, promised or offered by or on behalf of the contractor to any officer, servant or representatives of the Trustees or to any person on his or their behalf in relation to the obtaining or to the execution of the contract.
- f) The contractor is adjudged, insolvent or enters into composition with his creditors or been a company goes into liquidation compulsorily or voluntarily.
- g) Clause 8.0 of GCC also to be referred regarding termination of contract.

24.2 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 whole of the work in accordance with the contract.

24.3 The Engineer's decision in all such cases shall be final, binding, and conclusive.

24.4 The Trustees shall have the power to retain all money due to the contractor until the work is completed by other agency and the contractor's liabilities to the Trustees and known in all respect.

25.0 Force Majeure

In the event of either party being rendered unable to perform any obligation under the contract, the relative obligation of the party affected by such force majeure shall upon notification to the other party be suspended for the period during which force majeure events last. The cost and loss sustained by either party shall be borne by respective parties.

The term 'force majeure' employed herein shall mean act of God, war (declared or not), riots, civil commotion, fire, accident, sabotage, natural calamities, plague, quarantine, import or export embargoes, restraints imposed by government or change in govt. policies subsequent to hire or any happening affecting the performance by either party it's obligations under this charter which the party cannot reasonably prevent or control against.

26.0 Law of the Land

All relevant rules and regulations regarding Trade Union, Labour, Marine and Pollution Control must be complied by the contractor at their own cost. SMP, Kolkata shall be at liberty to deduct appropriate amount from the pending bills of the contractor in case the contractor fails to comply with the relevant rules and regulations and the consequential damages are to be borne by SMP, Kolkata.

27. Compliance of relevant Acts, Ordinances etc.

27.1 CONTRACT LABOUR LAWS:

The contractor shall be required to comply with the Minimum Wages Acts 1948, Employees Liabilities Act, 1938, Industrial Disputes Act, 1974, and the Contract Labour (Regulation and Abolition) Act, 1970, or statutory amendments and the modifications thereof, any other laws relating thereto and the rules made there under from time to time.

Payment to the labourers to be made as per the minimum wage 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, as 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/damage etc. and keep the Engineer indemnified against all penalties and liabilities of any kind

for noncompliance or infringement of such Acts, Ordinances, Rules, Regulations By-laws, and procedures.

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

The aforesaid regulations shall be deemed to be 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 to the Engineer-in-Charge prior to commencement of the work.

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

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

The contractor shall indicate maximum number of workmen to be engaged on any day for execution of the work in the appropriate place in the ABSTRACT FORM OF TENDER & he shall have to obtain a regular/permanent license as per Sec. 12(1) of the Contract Labour Act. Further, whenever a contract work has commenced or completed, the contractor must intimate the same to the Assistant Labour Commissioner (Central) in Form IV-A, within 15 days of such commencement or completion.

The contractor must arrange for displaying the name of the Regional Labour Commissioner (Central), Asst. Labour Commissioner (Central) & Labour Enforcement Officer (Central) at his worksite(s). The contractor shall inform the Principal Employer the date, time, and venue of disbursement to be made by him to his workers.

The successful bidder shall also be required to put up a notice at the site of work mentioning the date, time and venue of disbursement to be made by him to his workers and he or his authorized representative shall have to be present during period of disbursement.

27.2 COMPLIANCE WITH E.P.F & M.P.ACT:

The successful contractor will have to comply with provision of EPF & MP Act - 1952 (along with amendments, if any), issued from time to time.

If asked for by the Employer, the contractor will be required to submit photocopy of all payment challans and produce the original for verification to the representative of the principal employer, i.e. Syama Prasad Mookerjee Port, Kolkata.

27.3 INDEMNIFICATION:

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

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

28.0 INTERPRETATION OF CONTRACT DOCUMENTS, DISPUTES & ARBITRATION

28.1 In all disputes, matters, claim demands or questions arising out of or connected with the interpretation of the contract including the meaning of Specifications, Drawings & Instruction 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 binding on all parties to the contract and shall forthwith be given effect to by the Contractor.

28.2 If the Contractor is dissatisfied with any such decision of the Engineer/his representative, he shall within 15 days after receiving notice of such award/ Decision, requires that the matter shall be referred to Chairman, who shall thereupon consider and give a decision.

28.3 If there is no settlement as mentioned at Clauses - 28.1 & 28.2, the dispute or differences or claims as the case may be, shall be referred to the Conciliation Committees/Councils comprising of independent subject expert in order to ensure speedy disposal of the case.

28.3.1 The award of the Conciliation Committee/Council if agreed by both the sides may then be placed for consideration of the Board of Trustees of the Port subject to the delegation of power.

28.4 If there is still no settlement as mentioned at Clauses - 28.1, 28.2 & 28.3, the dispute or differences or claims as the case may be, shall be finally settled by binding arbitration under the Arbitration and Conciliation Act, 1996 including all amendments thereof. The arbitration shall be by a panel of three Arbitrators, one to be appointed by each party and the third to be appointed by the two arbitrators appointed by the parties. A party requiring arbitration shall appoint an Arbitrator in writing, inform the other party about such appointment and call upon the other party to appoint its Arbitrator and inform the other party within 60 days. If the other party fails to appoint its Arbitrator, the party appointing Arbitrator shall take steps in accordance with Arbitration and Conciliation Act, 1996, including any amendment thereof.

28.5 Notwithstanding anything contained herein above, Employer also reserve the right to invoke arbitration in all disputes, matters, claim demands or questions arising out of or connected with the interpretation of the contract including the meaning of Specifications, Drawings & Instruction 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 etc.

28.6 The place/ jurisdiction of arbitration shall be in Kolkata, West Bengal, India.

28.7 The fees and expenses of the arbitrators and all other expenses of the arbitration shall be initially borne and paid equally by respective Parties subject to determination by the arbitrators. The arbitrators may provide in the arbitral award for the reimbursement to the successful Party of its costs and expenses in bringing or defending the arbitration claim, including legal fees and expenses incurred by the Party.

28.8 Pending the submission of and / or decision on a dispute, difference or claim or until the arbitral award is published; the Parties shall continue to perform all of their obligations under this Agreement without prejudice to a final adjustment in accordance with such award.

28.9 The request for arbitration, the answer to the request, the terms of reference, any written submission, any order and ruling shall be in English language and if oral hearings take place, English shall be the language to be used in the hearing.

28.10 Any decision or award resulting from arbitration shall be final and binding upon the Parties. The Parties hereto agree that the arbitral award may be enforced against

the Parties to the arbitration proceeding or their assets wherever they may be found and that a judgment upon the arbitral award may be entered in any court having jurisdiction thereof.

28.11 PROVIDED ALWAYS AS FOLLOWS: -

- a) 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.
- b) No dispute or difference on any matter whatsoever pertaining to the contract can be raised by the Contractor after submission of certificate in form G.C.3 by him.
- c) Contractor's claim/dispute raised beyond the time limits prescribed in Sub-clauses (a) & (b) herein above, shall not be entertained by the Engineer and / or by any Arbitrator, subsequently.

29.0 List of enclosed formats

Form of Tender - Annexure I

Proforma of Bank Guarantee- Annexure II

Format of affidavit for ESI Exemption - Annexure III

Format of Indemnity Bond- Annexure IV

Format of Affidavit for Provident Fund Exemption - Annexure V

Format for Power of Attorney for Signing of Tender- Annexure VI

Covering letter - Annexure VII

Form G.C.1- Annexure VIII

Form G.C.2- Annexure IX

Form G.C.3- Annexure X

Format of Price Bid with Annexure (for items not to be considered for evaluation of the tender) - Annexure - D

Annexure- I

FORM OF TENDER

Director Marine Department,
Syama Prasad Mookerjee Port, Kolkata,
15, Strand Road,
Kolkata - 700001.

Dear Sir,

We, M/s.....having read and fully understood the specification conditions of tender and general conditions of contract hereby tender for Intermediate Survey repair & drydocking of P.V. Ma Ganga to the Trustees for the Port of Kolkata in accordance with and as set forth in Notice Inviting Tender, General Conditions of Contract etc.

The quotations have been submitted in Part-I and Part-II as stipulated in your Tender Notice. We also confirm that no condition has been stipulated in the price bid in Part -II.

We hereby agree that the said specification, conditions of tender contract and General Conditions of Contract together with acceptance thereof in writing by or on behalf of the Trustees, shall constitute the contract.

We have annexed Original Bankers' Cheque/Pay Order/Bank Draft No.....dt.....from.....Bank of Rs.____ /- (Rupees _____ only) as Earnest Money.

We also agree to abide by this Tender for a period of 180 days from opening of Techno Commercial Bid (Part -I) and in default of our so doing, the Earnest Money of Rs.____ /- deposited by us shall be liable to forfeiture at the option of the competent authority.

Should Syama Prasad Mookerjee Port, Kolkata ask for a break up of our price, we shall submit the same forthwith with adequate justification to establish its veracity, failing which Kolkata Port may cancel our tender and forfeit the Earnest Money deposited by us.

We agree that you are not bound to accept the lowest or any tender you may receive and that you reserve the right to accept any offer either as a whole or in parts and that you are not bound to give any reasons for their decision.

Yours faithfully,

Dated.....

Signature

Full Address
(Seal)

Note: All bank spaces to be filled in by the bidder and be submitted along with tender.

Annexure-II

**PROFORMA OF BANK GUARANTEE
(PERFORMANCE BOND)**

(In lieu of Cash Security Deposit) To be issued by the Kolkata Branch, as the case may be of any scheduled Bank of India on Non-judicial Stamp Paper worth Rs.100/- 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 of Kolkata, a Body Corporate, duly constituted under the Major Port Trust Act, 1963 (Act 38 of 1963), having agreed to exempt.....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 Letter of Intent No.....dated(hereinafter referred to as the 'Contract'), for the due fulfilment by the contractor of all the terms and conditions contained in the said contract, on submission of a Bank Guarantee for (Rs.....), we.....Bank.....Branch.....

.....,
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,

.....
..... Bank.....Branch, further agree that if a written demand is made by the Trustees through any of its

officials for honouring the Bank Guarantee constituted by these presents, We ,..... Bank..... Branch, 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 "Syama Prasad Mookerjee Port, Kolkata" 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, to decline to honour the Bank Guarantee in the manner aforesaid. The very fact that We Bank.....Branch, decline or fail or neglect to honour the Bank Guarantee 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..... Bank.....Branch, further agree that a mere demand by the Trustees at any time and in the manner aforesaid is sufficient for us..... Bank.....Branch, 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.....Bank.....Branch, to decline or fail or neglect to make payment to the Trustees in the manner and within the time aforesaid.

3. WeBank.....Branch, further agree that the Bank Guarantee 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 it 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 upto and inclusive ofdays of.....20..... and subject also to 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.....Bank.....Branch, 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.

3. We.....Bank.....Branch, 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 to extend the time for full performance of the said contract including fulfilling all obligations under 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.....Bank.....Branch shall not be relieved from our liability by reason of any such variation or extension being granted to the contractor or for any forbearance, act or commission on the part of the Trustees or any indulgence by the Trustees to the contractor or by any such matter of thing of whatsoever nature, which under the law relating to sureties would, but for this provision have effect of so relieving usBankBranch.

5. We,.....Bank.Branch, 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.....(OFFICIAL SEAL OF THE BANK)

Annexure- III**FORMAT OF AFFIDAVIT FOR ESI EXEMPTION**

On the Rupees Ten Non judicial stamp paper

BEFORE THE 1ST. CLASS MAJISTRATE AT
AFFIDAVIT

I..... son ofaged about year, by faith,by occupation Residing at, do hereby solemnly affirm and declare as follows:-

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 Syama Prasad Mookerjee Port, Kolkata, the same should be mentioned in the affidavit.)

That my aforesaid firm is exempted from E.S.I. Act and the said firm has no valid E.S.I. registration.

3. That the present affidavit is to be filed before the Syama Prasad Mookerjee Port, Kolkata as per the clause No.... of the tender No..... issued by Syama Prasad Mookerjee Port, Kolkata in respect of the work (the work is to be mentioned.)

THAT the statements made above are all true to the best of my knowledge and belief.

Identified by me.

DEPONENT

Annexure- IV
INDEMNITY BOND
(On Rs.50/- (Rupees fifty) Non Judicial stamp paper)

BY THIS BOND I, Shri/Smt.,son of Shri/Smt.....residing atby occupation the Partner/Proprietor/Director.....having office at , am a bidder under Marine Department, Syama Prasad Mookerjee Port, Kolkata (A statutory Body under MPT Act,1963).

WHEREAS , the said Syama Prasad Mookerjee Port, Kolkata had asked the every bidder, who is not covered under E.S.I. Act or exempted to furnish an Indemnity bond in favour of Marine Department , Syama Prasad Mookerjee Port, Kolkata against all damages and accidents to the labourer/tenderer/contractor.

NOW THIS BOND OF INDEMNITY WITNESSETH THAT the tenderer /contractor named herein above shall indemnify the Syama Prasad Mookerjee Port, Kolkata against all damages and accidents occurring to the labourers of the tenderer/ Contractor as demanded by the Syama Prasad Mookerjee Port, Kolkata and which shall be legal and /or claimed by the Syama Prasad Mookerjee Port, Kolkata during the execution of the work stated in the NIT No..... of

AND the contractor hereunder agrees to indemnify and at all times keep indemnified the Syama Prasad Mookerjee Port, Kolkata and its administrator and representative and also all such possible claim or demand for damages and accidents.

IN WITNESSETH WHEREOF I,, the Partner/Proprietor/Director..... hereto set and seal this theday of in the yearat

Sureties:
Indemnifier

Signature of the

Name :
 Signature :
 Address :
 b) Name :
 Signature :
 Address :
 Witnesses
 Name :
 Signature :
 Address :

Annexure-V**FORMAT OF AFFIDAVIT FOR PROVIDENT FUND EXEMPTION
(ON THE RUPEES TEN NON-JUDICIAL STAMP PAPER)**BEFORE THE 1ST CLASS JUDICIAL MAGISTRATE AT.....**AFFIDAVIT**

I..... son ofaged about.....
 years, by faith.....by occupation.....residing at.....
do hereby solemnly affirm and declare as follows:

1. THAT I am the Proprietor/Partner/Director.....having office at
and carrying on business on the same name and style.

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

2. THAT my aforesaid Firm is exempted from Provident Fund Act and the said Firm has no valid Provident Fund Registration. In support of this statement copy of **exemption certificate** issued by provident fund authority is attached herewith.
3. THAT the present affidavit is to be filed before the Syama Prasad Mookerjee Port, Kolkata as per the clause no..... of the Tender vide Tender No.issued by the Syama Prasad Mookerjee Port, Kolkata in respect of the work (the work is to be mentioned).

THAT the statements made above are all true to the best of my knowledge and belief.

Identified by:.....

Deponent

Annexure-VI

Format for Power of Attorney for Signing of Tender

(To be executed before Notary Public on a Non-Judicial Stamp Paper of at least Rs 10)

Dated: _____

POWER OF ATTORNEY

To whomsoever it may concern

Mr. _____ [Name of the Person(s)], residing at _____ [Address of the person(s)], acting as _____ (Designation of the person and name of the firm), and whose signature is attested below, is hereby authorized on behalf of _____ [Name of the bidder (in case of a consortium, name of the lead member)] to sign the tender [(Tender No.and (Tender subject- “.....”)] and submit the same and is hereby further authorized to provide relevant information/ document and respond to the enquiry's etc. as may be required by Syama Prasad Mookerjee Port, Kolkata (SMP, Kolkata) in respect of the tender.

And I/ we hereby agree that all acts, deeds and things lawfully done by our said attorney shall be construed as acts, deeds and things done by us and I/ we undertake to ratify and confirm all and whatsoever that my / our said attorney shall lawfully do or cause to be done for me / us by virtue of the power hereby given.

(Attested signature of Mr. _____)

For _____ (Name of the Bidder / Consortium Members with Seal)

Note -

(In case of Consortium, representative of all members must sign)

Annexure-VII**Covering Letter****Dated :**

To,
Director Marine Department
Syama Prasad Mookerjee Port, Kolkata,

Dear Sir,

1. I/we, _____ (Name of bidder) having examined the Tender Document and understood its contents, hereby submit our tender for to Syama Prasad Mookerjee Port, Kolkata.
2. All information provided in the tender including Addenda and in the Appendices are true and correct and all documents accompanying such tender are true copies of their respective originals.
3. I/We shall make available to Syama Prasad Mookerjee Port, Kolkata (hereinafter referred to as SMP, Kolkata) any additional information it may find necessary or require to supplement or authenticate the Tender
4. I/we 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. I/we also certify the following
 - a. I/we / any of the consortium members (as the case may be) have not been debarred by the Central/State Govt. or any entity controlled by them or any other legal authority for participating in any tender / contract / agreement of whatever kind
 - b. I/we certify that in the last three years, I/We/any of the consortium members or our / their associates have neither failed to perform on any contract, as evidenced by imposition of a penalty by an arbitral or judicial authority or a judicial pronouncement or arbitration award, nor been expelled from any project or contract by any public authority/entity nor have had any contract terminated by any public authority / entity for breach on our part.

6. I/we declare that:

- a) I/we have examined and have no reservations to the Tender Document, including the Addenda issued by SMP, Kolkata thereon.
- b) I/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. I/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.

8. _____(Name of Bidder) hereby undertakes that I/we will abide by the decision of SMP, Kolkata in the matter of examination, evaluation and selection of successful bidder and shall refrain from challenging or questioning any decision taken by SMP, Kolkata in this regard.

Thanking you,

Yours faithfully,

Signature of Power of Attorney Holder(s).....

Name:

Designation:

Date :

Seal

Annexure-VIII

Syama Prasad Mookerjee Port, Kolkata

FORM G.C. 1

Contractor :.....

Address :.....

.....

Date of completion

Dear Sir/s,

This is to certify that the following works viz :

Name of work
.....

Work Order No. Dt.....

Allocation :

Contract No:.....

Which was carried out by you is in the opinion of the undersigned complete in every respect on the of20.... In accordance with the terms of the Contract and you are required to maintain the work in accordance with Clause of the General Conditions of Contract and under the provisions of the Contract for a period of Days/weeks/months/years.

From the Day of20

To the Day of20

Signature
(Engineer/Engineer's representative).Name
Designation.....

OFFICE SEAL

CC : The Director, Marine Department,
CC : The F.A. & C.A.O.

Annexure-IX

Syama Prasad Mookerjee Port, Kolkata
FORM G.C. 2

The F.A. & C.A.O.

CERTIFICATE OF FINAL COMPLETION

This is to certify that the following works viz.

Name of work.....

Work Order No. dt.

Contract No:.....

Resolution No:.....

Allocation No.:.....

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

Signature
 (ENGINEER/ENGINEER'S REPRESENTATIVE).

NAME :.....
 DESIGNATION :.....

OFFICE SEAL

Annexure-X

Syama Prasad Mookerjee Port, Kolkata
FORM G.C. 3
(‘NO CLAIM’ CERTIFICATE FROM CONTRACTOR)

The Director, Marine Department,
 Syama Prasad Mookerjee Port, Kolkata
 15, Strand Road,
 Kolkata-700 001.

(Attn. :.....)

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

Dear Sir,

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

Name of work :.....

Work Order No:..... dt.

Contract No:.....

Agreement No:.....dt.....

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

Yours faithfully,

(Signature of Contractor)

Date.....

Name of Contractor.....

Address

.....

.....

.....

(OFFICE SEAL OF THE CONTRACTOR)

ANNEXURE -D						
BILL OF QUANTITIES FOR PV MA GANGA INTERMEDIATE SURVEY REPAIR AND DRY DOCKING 2020						
Tender No. MRN/NC/321/Intermediate Survey Repair (Ma Ganga)/ 2020						
<p>The repairer is bound to submit the repair procedure for any of the BOQ job to be executed, if asked by the KoPT representative/ statutory body and the repair is to be executed as per the procedure approved by the competent authority. The repairer is to submit BAR chart for total Dry Dock and afloat repair to be undertaken.</p> <p>Note: Any item under BOQ may be deleted if considered not necessary by the Engineer of the contract. (Clause 22.18 of NIT)</p>						
SI No	DESCRIPTION	Unit	Evaluation Criteria	Quoted Rate	Total = EC x QR	Total = EC X QR
	HULL AND STRUCTURE –Section ‘A’		(EC)	(QR)	(in fig)	(in words)
	Year of built 2008 length -overall - 50.62 mtr. Breadth molded- 11.5 mtr. Gross tonnage-932. Draft max-3.0 mtr. Spare parts required to be supplied by the Contractor. Cost of Spares will be reimbursed on actual plus 10% as handling charge.					
1	USG: USG for hull and all decks as well as the area recommended by the surveyor to be done. Rate to be quoted per point gauging by Ultrasonic Machine at all heights and location of the vessel after erection of staging as required/recommended by IRS / MMD Surveyor for inspection. Gauging report to be shown to surveyor. One copy to be submitted to KoPT. 10% of the gauging may be required to be drill tested and to be filled up subsequently by welding from both sides.	per point	700			

2	<p>Steel Renewal: Rate for renewal of finished steel work, which would include hull plates, angle, frame, girder, beam, deck plates, fashion plates including plates in bathroom, galley, accommodation, bulkhead in Tanks, sea suction chest, tank top plates, Bulkheads, Bulwark hold, hatch cover etc. and sections at all heights and location of the vessel as recommended by the Surveyor / Engineer of the contract or his representative. This would include erection of staging, cost of steel materials & consumables, labours & all allied materials and cost of pressure /hose testing or any other method of testing of welded joints, if required as per IRS Surveyor's recommendation. Hot work certificate to be obtained before carrying out any renewal of plate in way of fuel tank. Rates to be quoted per M/T.</p> <p>Plate renewal of following areas have already been recommended by IRS surveyor during Spl DD & in April,2020:</p> <p>(a) Doubler plates adjacent to skeg between Frame no. 03 to frame no. 16 (6.3m x 0.6m x 8mm) on port side & Frame no. 09 to frame no. 16 (3.8m x 0.6m x 8mm) on stbd side to crop and renew as per recommendation of Surveyor/ Engineer of the contract or his representative.</p> <p>(b) Doubler plates on W/H Deck aft (Frame no. 33 to 45) & Monkey Island (Frame no. 55 to 65) to crop and renew. This would include removal & refitting of panels in way of structural work. Rates to be quoted per M/T excluding of renewal of paneling, packing if required in way of work that will be paid extra as per Annexure Rate.</p>	per M/Ton	40			
3	<p>E/R supply blower (S) on Boat Deck (Aft), its foundation & trunking to be removed from place . Plates below & adjacent to it to be gauged. If found, below permissible limit, same to be renewed. Blower to be fitted back after work. Lump sum rate to be quoted. Steel renewal will be paid extra as per steel rate quoted.</p>	L.S.	L.S.			

4	Doublers: Rate per Kg of fitting doublers with MS plate in way of hull plates of all curvatures, deck plates, strong back casing plates in way of cabins, bathroom, galley etc. at all heights and locations of the vessels in an approved manner with all labour, consumables and all allied materials including steel after preparation of all areas in way and erection of staging as required for the work and as recommended by Surveyor /KoPT Representative.	per Kg	2000			
5	Sacrificial Anodes: All sacrificial anodes on hull, sea chests etc. to be removed and renewed as reqd including supply of Anode of size 300mm x 75mm x 65mm thick with composition of Aluminum 94.5% & Zinc 5.5% with permitiable tolerance of 0.5%. Test certificate from IRS / MMD approved test laboratory to be submitted with the bill. Rate to be quoted per Anode.	per Anode	28			
6	Rate to be quoted per running meters of building up of welding per run after proper surface preparation and grinding if required .	per running meters	30			
7	Grid Blasting/Chipping, Scraping & Painting : Entire outside hull and all deck plates including appendages, to be cleaned, scales to be chipped and thoroughly quartz blasted to SA 2.5 standards to bring out bare metal surface. After that thickness gauging to be carried out and IRS/IWT surveyor to be called for inspection. One coat of primer to be applied immediately after survey. Job to be completed within 7 days from the day of commencement of work. After completion of work renewed plates to be quartz blasted before final painting to be done as per Paint Schedule given in the NIT. Painting to be done with airless spray paint under supervision of paint manufacturer and certification before each coat by representative of Paint manufacturer. Paint to be supplied by the Contractor. Draft mark, plimsoll mark, ship's name – Firoza Blue – 02 coat. LS rate to be quoted.	L.S.	L.S.			

8	Decks/Superstructure/Internals: All exposed Decks/Superstructures/Fashion plates (Main Deck, Boat Deck, W/H Deck, Monkey Island) including top side, Mast, Bollards, Casing, Deck heads, fittings, if any, galleys ventilators, railings, hatch covers, etc. to be spot chipped in corroded section. One coat of primer and one coat of finished paint (with existing colour) to apply on spot chipped area thereafter 1 complete coat of finished of existing colour paint to apply. Paint to be supplied by Contractor. Fashion plates to be painted with Firoza blue. Lump Sum rate to be quoted.	L.S.	L.S.			
9	Following spaces/areas to be spot chipped in corroded section. One coat of primer and one coat of finished paint (with existing colour) to apply on spot chipped area thereafter 1 complete coat of finished of existing colour paint to apply. Paint to be supplied by Contractor. Lump Sum to be quoted for each space/area given below). (a) Chain Locker (The finished coat in the chain locker would be bitumen black paint).	Nos.	2			
10	(b) Deck Stores	Nos.	2			
11	© Crew Common Bathroom/Toilets	Nos.	1			
12	(d) Fore Peak Tank	Nos.	1			
13	(e) Officer/Crew Galley floor	Nos.	2			
14	(f) Void space/Cofferdam	Nos.	1			
15	Load Line items: Air vents heads of all tanks/void spaces etc on main deck to be opened, brass netting to be renewed. Pipes/heads to renew as per Load Line requirment and presented for survey. (Steel renewal and pipe renewal will be payable extra as per annexure rate.)	L.S.	L.S.			

16	All Engine Room/Accommodation blower flaps (3 nos. in ER/ 01 in crews' accomm.), Water Tight doors (W/H -3, Boat dk -4, Main dk -5nos.), Hatch covers (02nos. on anchor deck, 01 on main dk, aft) and Windows (16 nos) to be serviced for water tightness & proper closing as per instructions of KoPT.If required, same to be repaired. Chalk test plus hose testing to be carried out for proper closing. Marking for Open and Shut to be painted. Latches/Hinges and nuts to be made and replaced if required. Lump sum Rate to be quoted inclusive of labour and materials but exclusive of Rubber Packing, which will be payable extra.	L.S.	L.S.			
17	An approved quality (marine grade) Rubber Packing used for Watertight doors, blower flaps, hatch cover, accom windows (to make them watertight) to be supplied. Rate to be quoted per mtr.	per mtr.	40			
18	Wheelhouse P&S side front glass windows(fixed type) joints are leaking, window joints are to be sealed internally & externally with silicon sealant. Lump Sum rate to be quoted including labour & material.	L.S.	L.S.			
19	Wheelhouse P&S side front glass windows wiper blades of approved quality to be renewed as per existing one. Total 05 nos. Rate to be quoted per piece.	per piece	5			
20	Steering Gear System: Both (P&S) rudder to be dismantled, rudders stocks are to be lowered and to be placed for inspection. Condition of all the bushes/housing pipe to check,as per surveyor's recommendations, worn out bushes to be re-metalized and will be payable extra (metal rate will be applicable as per annexure rate). After necessary inspection/repair of lower bush, stuffing box, gland, rudder, rudder stock, same are to be fitted back in position. Operation to be shown to surveyor.	L.S.	L.S.			

21	<p>Propeller and Shafting: Clearance between propeller shaft & bushes to be taken. Both P&S propeller to be dismantled along with accessories. Both propeller shaft (P&S) to be drawn from stern gear system and to be placed for inspection by Surveyor. Aft Bushes (P&S), 'A' bracket bush (P&S) to be dismantled for inspection and renewed, worn out bushes to be re-metalized,if needed, as per surveyor's recommendation. Propeller & Propeller shaft with all bushes to be boxed back after necessary repairing. 'A' bracket bush (P&S) and aft bush (P&S) to be checked and to be rerubberised. Both propeller blades to be cleaned/buffed and polished. D.P.Test of propellers and propeller cone to be shown to Surveyor's satisfaction. Lump Sum rate to be quoted. Bushes to be re-metalized, will be payable extra (metal rate will be applicable as per annexure rate). Two nos spare propeller shafts kept at store to be checked for its trueness, ultrasonic testing and polishing of bearing journals to be carried out. Shaft to be made ready for fitment at drydock.</p>	L.S.	L.S.			
22	<p>LSA & FFA ITEMS: Fire line mains to be pressure tested, relief valve to be overhauled and pressure tested and shown to the IRS / MMD/IWT Surveyor. Leaky joints to be renewed with new joints if required. New sealing rings to be provided in all fire hydrants. Satisfactory trials to be given with 02 nos fire hoses in fwd & aft in front of surveyor. Lump Sum rate to be quoted. (If any Pipe line is required for removal, cleaning/renewal work, same to be paid as per Annexure rate).</p>	L.S.	L.S.			
23	<p>Following fire extinguishers to be inspected,serviced,refilled & weightment of gas cartridge as per regulations. Test certificate to be provided for the same. Rate to be quoted per extinguisher. All the L.S.A. & F.F.A. equipment to be painted in approved colour where required, stencilled with vessels name, date of last servicing & pressure testing and port of registry. (Note: New exitinguisher of approved type to be supplied if any one fails during pressure test or found damage. Annexure rate will be operative for new supply).</p> <p>CO2 water type 9 Ltrs. - 3 Nos.</p>	per unit	3			
24	Mechanical Foam Type 9 Ltrs - 6 Nos.	per unit	6			

25	DCP type 5 Kgs - 2 nos.	per unit	2			
26	DCP type 10 Kgs - 6 nos.	per unit	6			
27	Mechanical Foam Type 50 Ltrs - 1 No.	per unit	1			
28	1 no. SCBA cylinder to be serviced by DG approved service centre. Certificate to be provided from competent authority. Lump Sum rate to be quoted per cylinders.	per unit	1			
29	2 nos. Lift raft of capacity 25 persons each to be serviced by DG approved service centre and certificate to be provided from competent authority. Lump Sum rate to be quoted per life raft.	per unit	2			
30	Windlass (Port & Stbd): Both the windlass gear boxes sump oil to be drained, all gears and bearings to be dismantled and shown to the Surveyor. Damaged pinion of port windlass to repair/renew. Free end seals are leaking, same to be renewed. Friction clutch units are to be o'hauled. Defective bearings to be renewed. Necessary parts if required to be renewed. After completion of jobs, gear boxes (P&S) to be boxed back, sump oil to be replenished. (Ship supply). After completion friction clutches (P&S) to be boxed back and satisfactory running trial to be shown to Surveyor. Cost of Spares/consumables will be payable extra on actual plus 10% as handling basis.	L.S.	L.S.			
31	Anchor chain gripping Gypsies (P)&(S) to be build up and repaired. Necessary repair to be carried out for smooth movement of anchor chain from windlass to hawsepipe.	L.S.	L.S.			
32	Mooring Winches (aft): Mooring winch gear box to be dismantled after draining sump oil. Brake lining to be checked.Satisfactory running trial to be shown to ship's staff. Gear box oil level indicating sight glass is broken, same to be renewed. Cost of Spares will be reimbursed on actual plus 10% as handling charge.	L.S.	L.S.			

33	Anchor & anchor chains (P) & (S) are to be laid down on the deck floor. Chipping of the rusted area, locking of kantar shackle are to be checked and calibrated. Shackle marking to be done. Report to be submitted to the surveyor and any recommendations to be made good. Chain to be painted with two coats by bituminous black and put back in position. Lump Sum rate to be quoted.	L.S.	L.S.			
34	Defective vertical supporting pipes on Main Deck (09 nos.) to renew. Size (1350 mm x 75 mm each), Material - GI, Rates per mtr.to be quoted inclusive of removal renewal & fitting back of pipe.	per mtr.	14			
	Defective Guard rails on Boat Deck and W/H deck to renew. Material - GI, Size: (25mm & 50mm). Rates per mtr.to be quoted inclusive of removal renewal & fitting back of pipe.					
35	25 mm	per mtr.	50			
36	50 mm	per mtr.	50			
37	Navigational equipment control panel AC/DC Power supply including safety cut out to make operational and shown to surveyor.	L.S.	L.S.			
	NAVIGATIONAL EQUIPMENT:					
38	(a) Magnetic Compass (Make: NUNOTANI SEIKI KK): Showing erratic reading of 15° to 25° (approx.) and is required to be rectified/calibrated.	per piece	1			
39	(b) GPS [Make:GARMIN, Model: 152H, Sl. No. 1YF005374]: Data mismatch with DGPS. Same to be rectified.	per piece	1			
40	(c) Eco Sounder: Many time not showing data. Servicing to be done competent service enginer. Top & bottom transducers at the hull to be checked.	per piece	1			

41	One no. Dedicated Bilge Holding Tank (Capacity - 1.5 m ³) to be fabricated in a place as recommended by IWT surveyor during Annual survey (Dec,2020) to their satisfaction. Pumping arrangement to be made up to main deck with shore reception connections. Lump sum rate to be quoted excluding pump, v/vs, pipe lines, and steel consumed. Steel consumed will be paid as per steel rate. Pump & valves used will be paid extra. Pipe lines used will be paid as per annexure rate.	L.S.	L.S.			
42	One no. Bilge Pump, capacity - 39m ³ /hr, electric driven to be supplied.	per piece	1			
43	50 NB, SDSL valve, Material: G.M., to supply	per piece	1			
44	65 NB, SDNR valve, Material: C.I./G.M., to supply	per piece	4			
45	65 NB, SDSL valve, Material: C.I./G.M., to supply	per piece	2			
46	80 NB, SDSL valve, Material: C.I./G.M., to supply	per piece	2			
47	<p>Following Plumbing defects of Pilot/Officers Cabins attached bathrooms (16 nos) and Crew bathroom (1 no) are to be rectified. After rectification satisfactory trial of each defects to be shown to ship's staff/KoPT officer. Lumpsum rate to be quoted. Renewal of any items will be paid as per rate quoted for that item in the BOQ. Steel renewal, if required, will be paid as per steel rate quoted.</p> <p>(a) Hand/Head showers to clean/replace, (b) Leaky Shower opening/closing v/vs, Toilet flushing v/vs to rectify. (c) Less water flow in Basin tap. Chocked F.W. line , branch pipes to open, clean & fitted back. (d) Water leakage from commode outlet joint (e) Chocked gyser lines to clean. (f) Broken Hand shower stand/Toilet paper stands/Soap stand/Commode/Commode covers to renew. (g) Bathroom door is not closing properly/defective locking latch (owner cabin, pilot cabin no. 3, 4, 5, and officer cabin no. 1 & 2.</p>	L.S.	L.S.			

48	Following carpentary defects to rectify- (i) Pilot common bathroom: false ceiling kept here, same to be fitted back. (ii) Owner cabin's tea table to secure. (iii) Officer cabin no. 4 right side bed's broken shoe drawer to repair. (iv) Officer cabin 02: Exhaust blower suction head kept there. Same to be fitted. (v) Officer cabin 01: Flushing v/v panel board is broken. same to be fitted back. (vi) Officer galley: wooden cupboard drawer base broken, to be repaired. (vii) Officer mess: Side table sun mica damaged, same to renew, four nos dining chair to repair. (ix) Crew galley: Door ventilation is badly corroded, to be renewed, wooden cupboard locking system to renew. (x) Smoke Room wooden door (S) sunmica insulation came out. Same to renew. Lump Sum rate to be quoted.	L.S.	L.S.			
49	Pilot Cabin 01, 08 & 10 wooden floor bulge out. Same to remove and rearrange/new sheet to fitted back. Lump Sum rate to be quoted.	L.S.	L.S.			
50	Following items to supply and fitted in place as described below. Rate of items to be quoted for per piece.					
	Hand Shower	no.	7			
51	Head Shower	no.	7			
52	Commode Flush v/v	no.	7			
53	Basin Tap	no.	7			
54	Commode complete	no.	5			
55	Basin	no.	3			
56	Commode cover	no.	14			
57	Hand Shower Stand	no.	8			
58	Hand Shower v/v	no.	5			
59	Gyser (for officer cabin 3)	no.	1			
60	PVC doors for crew bathroom	no.	3			
61	Defective Floor tiles of Crew bathroom & officer galley wash basin area to renew.	per sq.mtr	3			
62	Door Closer (for crew cabin 01,02,03 & 04)	no.	4			
63	One no. new mirror for crew bathroom (standard size)	no.	1			
64	PEST CONTROL:Fumigation of the vessel to be done.Lumpsum rate to be quoted.	L.S.	L.S.			
65	Crew Mess Domestic type Aquaguard to be replaced with new one.	no.	1			

66	One no. Fridge of make samsung/LG/Godrej (165 Ltrs capacity) is to be supplied for crew galley.	no.	1			
67	Crew Bathroom Gyser 50Ltr capacity to be renewed and satisfactory trial to be shown to s/staff.	no.	1			
68	Repair of crew bathroom floor tiles to be replaced with new one. Rate to be quoted per sq.mtr.	per sq.mtr.	3			
69	Rate per Sq. ft for building up thickness (with plastic carbide) on the steel structure after proper surface preparation and grinding the same smooth for achieving the square needs in one place as necessary. Material will be supplied by the contractor and it must be of approved quality & acceptable to KoPT officer before use.	per sq.ft.	30			
70	Main Deck: Aft capstan not working. Same to repair.	per piece	1			
				TOTAL (A) =		

	MACHINERIES: Section- 'B'					
	<p>A) OEM/Authorised dealer spares to be used as far as practicable with cost + 10% basis.</p> <p>B) Work is to be carried out by competent personnel.</p> <p>C) All the repair and spare parts should be guaranteed for six months as per OEM.</p>					
71	<p>Main Engine (P&S):- SI No. 25316557(P)/ 25316556 (S) Cummins, KTA – 19 M3 600 BHP each, Run.hrs. (P) 3662 hrs.,Run hrs. (S) 3628 hrs., dated 18.07.2020.</p> <p>Both Main Engines 02 nos attached sea water pump to be o'hauled.02 nos heat exchangers to clean and pressure tested. Turbocharger expansion bellow joint to renew. 02 nos. self starters to service. All flexible hose pipes to renew. 02 nos. local rpm meters to renew. All safety cut out system, Low LO pressure, high FW temp, and over speed cut out including the alarm system for the above to be checked, defective sensor and pressure switch, if found, is to be renewed. Alarm & safety cutout to be shown in working condition to surveyor. Tappet clearance to check and adjusted if required. L.O./F.W./Exhaust gas pressure & temperature gauges to renew. Spares used will be paid extra. Port ME fuel oil actuation cable is damaged. Same to renew. Port engine to be checked for hunting at higher engine RPM. If noticed during trial to be rectified.</p>	per engine	2			

72	<p><u>Auxiliary Engine</u> - 2 Nos. Cummins, Model KTA 855 BC M-3, 306 BHP each Run.hrs. (P) 12000 hrs. , Run. Hrs.(S) 12000 hrs.</p> <p>2 Nos. Engines to be completely dismantled including turbo charger, S W pumps, & F.W pumps. FW coolers, LO cooler, air cooler to be opened, cleaned, pressure tested and presented to surveyor. Repairs to be carried out if any and to be boxed back. 2 Nos PT type fuel pumps, 12 Nos. fuel injectors to be overhauled and calibrated from OEM Authorized dealer. Entire work to be covered under Warranty norms/guidelines. Vibration damper and coupling to be checked. All flexible hose to be renewed. 02 nos. self starters to be serviced.</p> <p>All safety cut out system, Low LO pressure, high FW temp, and over speed cut out including the alarm system for the above to be checked, defective sensor and pressure switch, if found, is to be renewed. Alarm & safety cutout to be shown in working condition to surveyor. L.O./F.W./Exhaust gas pressure & temperature gauges to renew. Stbd AE battery charger defective AMP METER to renew. One no. new battery charger unit to be fitted in place. Spares used will be paid extra. The quotation should include cost of replacement of sump lub oil.</p>	per engine	2			
73	<p><u>GEAR BOX</u> : Twin Disc make ZF W650, Ratio 3.605:1 Main engine gear box (S) lube oil pressure found increasing beyond normal (normal pr is 23 bar) with the increase of engine RPM. Defect to be rectified. If required, gear box lube oil pump to be renewed. Necessary parts to be renewed as per surveyor's recommendation. Satisfactory trial to be shown to s/staff. The quotation should include cost of replacement of sump lub oil. Lump Sum rate to be quoted. Spares/consumables used will be paid extra.</p>	L.S.	L.S.			

74	<u>GEAR BOX</u> : Twin Disc make ZF W650, Ratio 3.605:1 Main engine gear box (P) to be opened up, inspected, surveyed and boxed back.Necessary parts to be renewed as per surveyor's recommendation. Satisfactory trial to be shown to s/staff. The quotation should include cost of replacement of sump lub oil. Lump Sum rate to be quoted. Spares/consumables used will be paid extra.	L.S.	L.S.			
75	Supply 01 number Main Engine Gear Box Lube Oil Pump. [GEAR BOX: Twin Disc make ZF W650, Ratio 3.605:1]	No.	1			
76	<u>AIR CONDITIONER</u> - Make - 'BOCK compressor, Model - F16/2051, 02 nos. unit to be overhauled along with necessary spares. System to be vaccumised and pressure tested with nitrogen. a) Air handling unit – Compartment to be made air tight. Defective doors to be repaired/renewed and made air tight. Some damaged portions at bottom/top/sides are to be renewed/repared. Damaged flaps inside AHU (02 nos.) to be repaired. Evaporator to be cleaned chemically. Defective thermostatic switches inside AHU room and thermometers to be renewed. b) 01 Nos. A.C. condenser to be cleaned, pressure tested. c) Cold air supply trunking from AHU leading to various cabins leaking. Same to be checked and rectified. (d) 04 nos. air filters for AHU to be renewed.	per unit	2			
77	Split Air Conditioners: 21 nos. Split AC to be serviced. [Make: Voltas, 1.0/1.5T.	per unit	21			
	ELECTRICAL:					
78	All emergency lights, navigation lights, searchlight including circuit is to be checked thoroughly,satisfactory trial (with auto cut-in and cut-off operation) is to be shown to surveyor.Renewal of parts will be payable extra.Lumpsum rate to be quoted.	L.S.	L.S.			
79	Various Deck Light (P&S) fittings at main deck and boat deck, are broken same to be renewed. Rate to be quoted per fitting.	per fitting	22			

80	Emcy flood light with fitting on boat deck to be renewed (24V, 100W).	per unit	2			
81	Search Light with fittings on monkey island to renew.	per unit	2			
82	01no. Hot plate with double plates assembly (01 no. 06 KW & other one 4.5KW), Make - CANTEEN, with moulded coil to be supplied and fitted in place. One extra moulded coil to be supplied.	L.S.	L.S.			
83	Stbd anchor motor & Mooring winch motor (aft) electrical brake units to be serviced. (11KW Motor)	per unit	2			
84	Capstan motor operating panel box at main deck aft to renew	per unit	1			
85	MSB frequency meter for stbd AE to be renewed (415V, 50Hz)	per unit	1			
86	06 nos batteries to be supplied.(Specification: EXIDE XP heavy duty, 12V, 25 Plates, MHD - 1800)	per unit	6			
87	Rudder angle indicator at wheel house found defective. Defect to be rectified. Running trial to be shown to ship's staff. Spares used will be paid extra.	L.S.	L.S.			
88	<p>Sea Chest/Ship Side v/v & Intermediate v/v -Sea chest gratings (P&S) are to be dismantled for inspection and to be fitted back after inspection, gauging (necessary repair, if required) and painting to be done. All mentioned valves to be dismantled, cleaned, valves to be pressure tested, shown to the Surveyor and after completion valve to boxed back, body to paint and fitted back in place with new joints/bolts as required.</p> <p>150 NB - 4Nos (main sea chest, before & after filter) 125 NB - 2 Nos (storm valve) 080 NB - 7 Nos (1-storm/ 2-ovbd for fire/GS pump, 4-bilge suction valve) 065 NB - 1 Nos (AC cooling ovbd discharge v/v) 050 NB - 2 Nos 032 NB - 03 valves FW line to renew (at crew bathroom, crew alleway, pilots cabin alleway), 032 NB gate valve FW tank discharge to renew.</p>	L.S.	L.S.			

	Various pipe lines in the Vessel are required to be renewed for fresh water Lub oil ,salt water & exhaust line systems. Rates per mtr.to be quoted inclusive of removal renewal & fitting back of pipe lines using old flanges new gaskets nut bolts gasketting compound etc. (during the execution of work, in case if specific size of rates are not available the rate will be calculated by interpolating from the nearest size of pipe), Material - MS					
89	a) 15 NB	per mtr.	10			
90	b) 25 NB		10			
91	c) 35 NB		10			
92	d) 50 NB		30			
93	e) 65 NB		10			
94	f) 80 NB		10			
95	g) 100 NB		10			
96	g) 150 NB		10			
97	h) 200 NB		5			

ANNEXURE

(Items not to be considered for the evaluation of the tender)

Rate to be given for the following items per unit and this will be evaluated separately depending upon the actual work that may develop. Rates to be operated on the basis of lowest quotation received against the Tender. The successful Tenderer will have to accept the lowest rate offered by any of the participating firms for each of the item. Payment for additional work if any, will be made according to rates thus fixed. It is to be noted if any rate has been taken in the BOQ and work is required to be carried out in excess of BOQ quantity, the operative rate for the excess quantity, would be lower of the quoted rate of the party and the rate derived from this Annexure.

Sl. No.	Item Description	Units	Quoted Rate in INR
1	Removal & refitting of other fittings fixtures equipments and machineries in way of structural steel work or other allied work, technically accepted & mutually agreed upon. Tenderer is required to furnish his labour rates as follows:		
1.1	Rate of Skilled labour Rs.per day per shift	Rs/day/shift	
1.2	Rate of unskilled labour Rs.....per day per shift	Rs/day/shift	
2	Rate per running meter of building up of welding per run with 8 SWG electrodes	Per running meter	
3	Rate per running meter of building up of welding per run with 10 SWG electrodes	Per running meter	
4	Rate per Sq. meter of Chipping, Scraping and Cleaning		
5	Rate per Sq. meter of painting per coat excluding cost of paint which would be at extra at actual plus 10% handling and transportation charges.	Per sq. meter	
6	Rate per Sq. ft for building up thickness (with plastic carbide) on the steel structure after proper surface preparation and grinding the same smooth for achieving the square needs in one place as necessary.	per Sq. ft	
7	Rate per Sq. meter of renewal of Blower trunk with GI Sheets of existing gauge.	per Sq. meter	
8	Rate per Sq. meter of renewal of Rubberized tiles.	per Sq. meter	
9	Rate per running meter of hydraulic pipe lines to be removed and refitted. O.D. = 2 ½"	per running meter	
10	Rate per running meter of Hydraulic pipe lines to be renewed and refitted. O.D. = 2 ½". Solid drawn 80 Schedule.	per running meter	
11	Rate for removal & refitting of electrical wiring cables of following sizes:		
11.1	1.5 Sq. MM 2 Core	Per meter	
11.2	4.0 Sq. MM 2 Core	Per meter	
11.3	16 Sq. MM 3 Core	Per meter	
11.4	4.0 Sq. MM 3 Core	Per meter	
11.5	1.5 Sq. MM single Core	Per meter	

12	Rate for removal & refitting of electrical cables trays with wiring cables of following sizes:		
12.1	1.5 Sq. MM 2 Core	Per meter	
12.2	4.0 Sq.MM 2 Core	Per meter	
12.3	16 Sq. MM 3 Core	Per meter	
12.4	4.0 Sq. MM 3 Core	Per meter	
12.5	1.5 Sq.MM single Core	Per meter	
13	Rate per removal and refitting of fans	Per unit	
14	Rate per removal and refitting of lights with fittings	Per unit	
15	Rate per Sq. mtr of removal, refitting of insulation	per Sq. mtr	
16	Rate per Sq. mtr for renewal of insulation	per Sq. mtr	
17	Rate per Cu. Mtr of removal, renew of Asphalt Cementing	per Cu. Mtr	
18	i)Rate per Cu. Ft. of removal of wodden plank	per Cu. Ft.	
19	ii)Rate per Cu. Ft. of refitting of good existing wooden plank	per Cu. Ft.	
20	iii)Rate per Cu. Ft. of renewal of wodden plank of good quality Sal wood.	per Cu. Ft.	
21	iv)Rate per running Ft. of Caulking	per running Ft.	
22	Per Sq. Mtr. Unit rate of Deck composition work as per the specification :		
22.1	I)50 mm thickness area	Per Sq. Mtr.	
22.2	II)38 mm thickness area	Per Sq. Mtr.	
23	Insulation work of Magnesium asbestos Compound Per Sq. Mtr. X 50 mm Thick is considered	Per Sq. Mtr.	
24	Rate for renewal of electrical cable.		
24.1	i) 1.5 Sq. MM 2 Core	Per meter	
24.2	ii) 4.0 Sq. MM 2 Core	Per meter	
24.3	iii) 16 Sq. MM 3 Core	Per meter	
24.4	iv) 4.0 Sq. MM 3 Core	Per meter	
24.5	v) 1.5 Sq. MM single Core	Per meter	
25	Removal & refitting of pipe lines. (Bore in mm Nominal)		
25.1	15 mm	Per meter	
25.2	25 mm	Per meter	
25.3	32 mm	Per meter	
25.4	50 mm	Per meter	
25.5	80 mm	Per meter	
25.6	100 mm	Per meter	
25.7	150 mm	Per meter	
25.8	200 mm	Per meter	
26	Cleaning of pipelines (Bore in mm Nominal)		
26.1	15 mm	Per meter	
26.2	25 mm	Per meter	
26.3	32 mm	Per meter	
26.4	50 mm	Per meter	
26.5	80 mm	Per meter	
26.6	100 mm	Per meter	
26.7	150 mm	Per meter	
26.8	200 mm	Per meter	

27	REMOVAL OF PIPELINE, RENEWAL OF M.S.PIPE & FITTED IN POSITION. RATE PER RUNNING METER FOR EACH OF THE FOLLOWING SIZES OF PIPE : (Bore in mm Nominal)		
27.1	15 mm	Per meter	
27.2	25 mm	Per meter	
27.3	32 mm	Per meter	
27.4	50 mm	Per meter	
27.5	80 mm	Per meter	
27.6	100 mm	Per meter	
27.7	150 mm	Per meter	
27.8	200 mm	Per meter	
	NOTE : For the sizes not specified above in Tables 2, 3 & 4 relating to pipe works, rates will be payable on interpolated rates.		
28	Rate per Sq Meters for removal and refitting of paneling and insulation as may be necessary for attending structural job.	Per sq. meter	
29	Rate per running meter for removal and refitting of electrical wires as may be necessary for attending structural job.	Per running meter	
30	Rate per Sq. Meters for supply of paneling of existing type if necessary.	Per sq. meter	
31	Rate per Sq. mtr. for supply of insulation of existing type if necessary.	Per sq. meter	
32	RATE FOR FINISHED WEIGHT PER KG. OF THE FOLLOWING MATERIALS:		
32.1	i) White Metal	per kg	
32.2	ii) Stainless Steel	per kg	
32.3	iii) Phosphor bronze	per kg	
32.4	iv) Brass	per kg	
32.5	v) Admiralty gun metal	per kg	
32.6	vi) Cast Steel	per kg	
32.7	vii) Cast Iron	per kg	
32.8	viii) E. N. Steel	per kg	
32.9	ix) Mild Steel	per kg	
33	Fire Extinguisher: New portable fire extinguisher rate to be quoted per unit.		
33.1	a) CO2 water type 9 Ltrs. –	per unit	
33.2	b) Mechanical Foam Type 9 Ltrs –	per unit	
33.3	c) DCP type 5 Kgs –.	per unit	
33.4	d) DCP type 10 Kgs –	per unit	
33.5	e) Mechanical Foam Type 50 Ltrs –	per unit	