

HOOGHLY COCHIN SHIPYARD LIMITED, HOWRAH

**Improvement & Infrastructure Development around Hooghly CSL Premises at Nazirgunge,
Howrah for Community Good**

Phase 1: Road Widening & Re-Construction of Road Boundary wall with Gates on both sides

Tender No. HCSL/CSR/TEN/2025/086 dated 04.10.2025

**Administrative Building, HCSL Premises, Satyen Bose Road, P.O.- Danesh Shaikh Lane,
Nazirgunge, Howrah, West Bengal 711109**



TENDER NOTICE

Sealed competitive tenders are invited from experienced Contractors for the scope of work given below. Tenders are to reach the undersigned on or before the date and time mentioned below. Please refer scope of supply/Technical specification, General Terms and conditions and special terms attached.

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|--|--|
| Tender No. & date | HCSL/CSR/TEN/2025/086 dated 04.10.2025 |
| Scope of Supply / Work | Improvement & Infrastructure Development around Hooghly CSL Premises at Nazirgunge, Howrah for Community Good Phase 1: Road Widening & Re-Construction of Road Boundary wall with Gates on both sides (Detailed specification is enclosed separately) |
| Type of Tender | Open Tender, Two - Bid (Price Bid password protected) |
| Mode of Submission | E-mail mode only (No hard copy of documents to be accepted) |
| Last date & time of receipt of tender | 21.10.2025 at 15:00 Hrs |
| Date & time of opening of tender | 21.10.2025 at 15:30 Hrs |
| Tender Cost | Nil |
| EMD | Nil |
| Completion of Work | 2 Months from the date of issue of Work order or site handing over whichever is later. |
| Officer-in -Charge | <p>Name : Tuhin Das Designation : Dy. Manager- Marine & Central Services Email : tuhin.das@hooghlycsl.com Phone No : +91- 9883211231</p> <p>Name : Subham Manna Designation : Sr. Project Officer (Civil) Email : subham.manna@hooghlycsl.com Phone No : +91- 7003595364</p> |

Tender to be submitted by E-mail only. Tender reference should be clearly indicated on the subject of the Mail.

Tenders should be submitted **Two parts i.e. Part-I (Techno-Commercial Bid) and Part-II (Price Bid) in separate pdf format (Price bid must be Password Protected) indicating the tender number, due date of the tender and subject as in-line with the scope of work in the Mail addressed to:**

tuhin.das@hooghlycsl.com / subham.manna@hooghlycsl.com
and
kalicharan.shaw@hooghlycsl.com

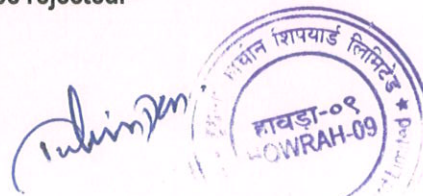
The tender documents can be downloaded from **HCSL/ CSL website** <http://hooghlycsl.com/www.cochinshipyard.in>. The tender documents are available on above mentioned link. All corrigenda, addenda, amendments and clarifications to this tender will be hosted in the website www.cochinshipyard.in or <http://www.eprocure.gov.in>. Bidders shall keep themselves updated with all such developments till the last date and time of submission of tender else offer will be rejected.

Tender administration: Tender procedure/administration/evaluation including correspondences and awarding of contract will be done by M/s. Hooghly Cochin Shipyard Limited, Howrah, West Bengal.

The bidder must visit the HCSL site before submission of the bid. The site visit slip must be submitted along with the tender document containing HCSL OIC signature is mandatory else offer will be rejected.

For any queries, contact the below personnel:

Name: Subham Manna
Designation: Sr. Project Officer (Civil)
Email : subham.manna@hooghlycsl.com
Phone No: +91- 7003595364



For Hooghly CSL

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1. Minimum qualification criteria for participating in the tender will be as follows:

Successful experience as Civil Construction Company in the successful completion of at least **one (1) similar Civil Construction works** which includes **brick work, PCC/RCC work, finishing work etc** of nature and complexity comparable to the proposed construction work within the **last 05 years** from the date of issue of tender document. The value of the work should not be less than **Rs. 16 Lakhs**. (Satisfactory completion certificate from the Client for work done (Certified by client) should be submitted along with bid). For contracts under which the bidder participated as a joint venture member, only the bidder's share, by value, shall be considered to meet the requirements.

Or

Successful experience as Civil Construction Company in the successful completion of at least **two (2) similar Civil Construction works** which includes **brick work, PCC/RCC work, finishing work etc** of nature and complexity comparable to the proposed construction work within the **last 05 years** from the date of issue of tender document. The value of each work should not be less than **Rs. 10 Lakhs** incl. GST. (Satisfactory completion certificate from the Client for work done (Certified by client) should be submitted along with bid). For contracts under which the bidder participated as a joint venture member, only the bidder's share, by value, shall be considered to meet the requirements.

Or

Successful experience as Civil Construction Company in the successful completion of at least **Three (3) similar Civil Construction works** which includes **brick work, PCC/RCC work, finishing work etc** of nature and complexity comparable to the proposed construction work within the **last 05 years** from the date of issue of tender document. The value of each work should not be less than **Rs. 8 Lakhs** incl. GST. (Satisfactory completion certificate from the Client for work done (Certified by client) should be submitted along with bid). For contracts under which the bidder participated as a joint venture member, only the bidder's share, by value, shall be considered to meet the requirements.

Note: Similar work means, Civil construction works for State/Central Govt., Shipyards, MNCs, Heavy Industries etc. consisting of Brick work, RCC work, Finishing work within 05 years from the date of issue of tender document.

Contractor shall submit the valid proof like Work Orders/ Invoice/ Work Completion certificates/ GSTR-1 for the work carried out against the work credentials.

- i. The average Annual Turnover of the bidder should be **at least Rs. 6 lakhs** during the last three preceding years.
- ii. Audited Balance sheets showing turnover, Profit & Loss account of the firm for the preceding 03 years (FY 2022-23, 2023-24, 2024-25) should be submitted along with the application for prequalification).
- iii. The Tenderer should enclose copy of EPF (if applicable), ESI (if applicable), Trade license, PAN, GST registration certificate, Income tax returns for last three years. (A copy of the same shall be submitted along with the application for issue of tender document)
- iv. Offers from joint ventures/consortium will not be accepted.
- v. Net worth of the contractor must be positive as per the latest balance sheet. (MSE/NSIC will get exemptions)

Each page of the tender document along with all other submitted documents must be duly signed by the Authorized signatory with Bidder's signature and seal.

Signature and Seal of the Bidder(s)



For Hooghly CSL

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INFORMATION TO THE CONTRACTORS**Contractors shall take notice on the following points for its strict compliance**

As the items are critically required, non-compliance of any of the following points will invite disqualification of the submitted offer without any further communication/ notice from this office in this regard.

1. For the consideration of the offer and its price bid opening, bidders should ensure the compliance of following points (which are mandatory in line with this particular tender) as stipulated in the general terms and conditions of enquiry and techno-commercial check list herewith.

1. Eligibility Criterion
2. Liquidated damage
3. Payment terms
4. Validity of offer
5. Security deposit
6. Guarantee
7. Risk purchase
8. Submission of relevant catalogue of equipment offered (if any)
9. Self-certified copy of MSE/NSIC certificate, if applicable.
10. Ruling percentage
11. Price bid to be submitted in the price bid format attached at annexure-11
12. Unpriced bid as per annexure-11 to be submitted along with techno commercial bid (Cover-A) with details like percentage of taxes & duties applicable & details like quoted/nil/included to be mentioned for each line item.
13. The Tenderer should enclose copy of PAN, GST registration certificate, Income tax returns for last three years. (A copy of the same shall be submitted along with the application for issue of tender document).

It is reiterated that offers submitted without compliance of any one of the aforesaid points will not be considered for its evaluation and summarily be rejected on commercial background without any further clarification/ notice/ communication in this regard from M/S Hooghly Cochin Shipyard Ltd., even though the offer is technically acceptable.

1.01 General Information**Place of Work:**

Hooghly Cochin Shipyard Limited
Satyen Bose Road, P.O. Danesh Sk. Lane,
Nazirgunge, Howrah-711109,
West Bengal, India

Engineer –in – Charge shall mean CEO, Hooghly CSL or the authorised representatives appointed by the CSL/Hooghly CSL.

- 1.02 **Tender Procedure:** Item rate tenders in two covers are invited from eligible Contractors for **"IMPROVEMENT & INFRASTRUCTURE DEVELOPMENT AROUND HOOGLY CSL PREMISES AT NAZIRGUNGE, HOWRAH FOR COMMUNITY GOOD; PHASE 1: ROAD WIDENING & RE-CONSTRUCTION OF ROAD BOUNDARY WALL WITH GATES ON BOTH SIDES"**

The schedule of quantities, specifications and commercial conditions of the contract are appended.

1.03 Clarification Requests by Bidder

The Bidder is fully expected to have read and clearly understood the bidding documents. It is the responsibility of the Bidder to ensure that all documents are included as per the contents page. Bidder shall examine the Bidding Document thoroughly in all respects and if any conflict, discrepancy, error or omission is observed, Bidder may request clarification up to 03 days prior to Date of opening of Tender. Such clarification requests shall be directed to the emails mentioned.

- 1.04 **Tender to be submitted by E-mail only. Tender reference should be clearly indicated on the subject of the Mail.** Tenders should be submitted in a **two separate files** as **PART – I "TECHNO-COMMERCIAL" & PART – II "PRICE" BID (Password Protected)** indicating the tender number, due date of the tender and subject as in-line with the scope of work in the Mail addressed to:

PART-I

- a. Inside the soft-file PART-I should be there consisting of 'technical eligibility criteria related documents, PAN & GST registration certificate, NEFT, undertakings and declarations, duly filled, signed and sealed tender document and unpriced commercial Bid (attached), Annexure-11

PART-II

- b. Quoted Price Bid (original issued by Hooghly Cochin Shipyard Ltd) duly signed and sealed in the prescribed format, Price Bid Format Annexure-11 (there shall not be any clause added by the tenderer in the price bid, price bid with any additional clause/conditions etc will be summarily rejected).

1.05 Short Description of Work

The work involves '**IMPROVEMENT & INFRASTRUCTURE DEVELOPMENT AROUND HOOGHLY CSL PREMISES AT NAZIRGUNGE, HOWRAH FOR COMMUNITY GOOD; PHASE 1: ROAD WIDENING & RE-CONSTRUCTION OF ROAD BOUNDARY WALL WITH GATES ON BOTH SIDES**'. This is a **turnkey job**; all the equipment, materials and manpower required for the satisfactory completion of the project should be supplied and installed by the contractor. The work in general shall be carried out as per the enclosed technical specifications. All Work shall be executed as per specifications enclosed along with tender. If specification is missing for any of the works, same shall be executed as per relevant IS Standards amended upto date with all correction slips and as directed by the Engineer-in Charge. The design has to be approved by the Engineer in Charge prior to production activities.

- 1.06 The Techno-commercial part alone will be opened initially on XX.X.2025, 15.00 Hrs at the Hooghly CSL Office, Nazirgunge unit, Howrah. The price part will be opened only after evaluation of the Techno commercial part.
- 1.07 Bidders will be intimated the date of opening of the price part, whose techno-commercial bids are acceptable in due course.
- 1.08 After opening the price bid, the rates will be compared, if the rates given in figures and in words differ, the lower of the two, only will be accepted. If the rate and amount differ for a particular line item/s, then the Unit rate of that particular item/s will be taken for evaluation.

In case of ambiguities in the quotes by the contractor, the following procedure will be followed:

- a) When the amount of an item is not worked out by the contractor or it does not correspond with the rates written either in figures or in words, then the rates quoted by the contractor in words will be taken as correct.
- b) When the rate quoted by the contractor in figures and in words tallies but the amount is not worked out correctly, the rate quoted by the contractor will be taken as correct and not the amount.
- c) In the event of NO rate has been quoted for any items, leaving space both in figures, words, and amount blank, it will be presumed that the contractor has included the cost of this/these items in other items and rate for such items will be considered as ZERO and work will be required to be executed accordingly without rates.



- 1.09 Letter of intent (LOI) will be issued to the successful tenderer before the issue of the work order. LOI means an assurance of work order to the contractor by letter or e-mail in accordance with provisions contained therein. This Letter of Intent will constitute the formation of contract.
- 1.10 Hooghly CSL reserves the right to conduct negotiations with L1 Contractor to have possible reduction from the original offer or if the condition so warrants. The bidder shall attend the negotiation meeting in time upon intimation to them by Hooghly CSL.
- 1.11 Tenders not properly filled or generally not complying with the conditions are to be rejected.
- 1.12 The Tenderers shall quote their most competitive rates against each item of the Schedule of quantities. The rate thus quoted will be deemed to include the cost of all transportation, insurance, levies, royalties, overheads, contingencies, profits, etc. and the quoted price shall be all inclusive. The total contract price shall also be worked out and entered in. The rates quoted for the successful completion of the total works under this tender shall be fixed and firm and no escalation or variation will be allowed during the pendency of the contract on any account.
- 1.13 If the tender is made by an individual, it shall be signed with his full name and his complete address shall be given. If it is made by a partnership firm, it shall be signed by a partner of the firm who shall sign with his own name and give the name and address of each partner of the firm and attach a copy of 'Power of Attorney' authorizing him to sign on behalf of the other partners. A certified copy of the 'Registered Partnership Deed' shall also be submitted along with the tender.

If the tenderer is a Company, the authority of the signatory to sign on behalf of the Company and the **Memorandum and Articles of Association** shall be submitted.

It is reiterated that offers submitted without compliance of any one of the aforesaid points will not be considered for its evaluation and summarily be rejected on commercial background without any further clarification/ notice/ communication in this regard from M/S Hooghly Cochin Shipyard Ltd., even though the offer is technically acceptable.

1.14 **Security Deposit:**

Security Deposit (SD) shall be at 5% of the contract value and shall be recovered from the running account bills. The total amount thus deposited towards SD will be retained as security for the due and proper fulfilment of the contract and will not carry any interest. Such deposit shall be forfeited on failure to perform or non-fulfilment by the Contractor of the terms and conditions of the contract. The contractor has to make good all defects during the defect liability period at his own cost. The Security Deposit deposited shall be released on satisfactory completion of **01 years of defect liability period**.

- 1.15 The Contractor is the employer of all the worker's engaged for this work and should therefore take all required registrations, EPF & ESI (if applicable), insurance cover, etc. and pay amount due to labour welfare funds constituted by the Union Government and Government of West Bengal from time to time.
- 1.16 All statutory deductions including income tax at source, workers welfare fund at the rates applicable shall be made from the amount eligible to the Contractor in each part bill at current rates. Any tax omitted to be

deducted in any part bill shall be deducted in the subsequent bills/final bill or from any amount due to the Contractor.

1.17 Period of Validity

The tender shall remain valid for acceptance for a period of 120 days from the date of tender opening. Any attempt on the part of the Tenderers or their agents to influence the Shipyard in their favor by any means of canvassing will disqualify the Tenderers and the tender submitted will be considered as void. HOOGLY CSL holds the right to increase the validity of the tender.

1.18 Quantum of Work

- i. A schedule of approximate quantities for various items accompanies this tender. It shall be definitely understood that the Client do not accept any responsibility for the correctness or completeness of this schedule in respect of items and quantities and this schedule is liable for alteration by deletions, deductions or additions at the discretion of the Client without affecting the terms of the contract.
- ii. The Client reserves the right to increase or decrease the quantum of work at site without assigning any reason. The Contractor shall carryout the works at the rates accepted.
- iii. Variations in the quantities put to tender will not be the basis for any claim or disputes. The rates agreed by the Contractor shall hold good for any amount of variation in the quantities and no claims whatsoever will be entertained on this amount. The Contractor shall carry out all works as directed by the Client at the same agreed rates.

1.19 All Inclusive Rates

The Contractor's rate shall be fixed & firm and shall include the cost of transportation of material to the site, taxes, duties, labour cess, GST etc. The rates quoted by the Contractor shall be firm throughout the contract period and there shall be no upward revision of the rates quoted by the Contractor for any reasons whatsoever. Basic rate should be all inclusive and GST shall be added separately. Any new Taxes, levies, duties imposed after signing the Contract shall be reimbursed by the Client on production of documentary evidence. However, any increase in the duties & taxes during construction because of delays in the completion of work attributed to the Contractor shall be to the Contractor's account.

1.20 Interpreting Specifications

If any difference is found in different parts of the tender documents, the following will be in order of precedence:

- i. Contract Agreement as per pro-forma.
- ii. Work order
- iii. Any agreed variation between the Employer and the Contractor including but not limited to minutes of negotiation, amendments of specifications and/ or specifications
- iv. Accepted Schedule of Rates/ prices
- v. Technical specification
- vi. General Conditions of the Contract (GCC)
- vii. Instruction to Bidders & Notice inviting tender
- viii. All materials, literature, drawings, data, duly filled forms and formats and information of any sort given by the Contractor and approved by Employer as well as the one given by the Employer to the contractor.

If the bidder discovers any ambiguity omissions, errors, faults and other defects in the Drawings or in other documents, he shall immediately notify the same in writing to the HOOGLY CSL, who will resolve the ambiguity or correct the error and will notify the Contractor of the interpretation to be adopted.

Stamp: TENDER-09, COWRAH-09, Ceehin Shipyard Limited. Signature: [Handwritten Signature]

However, all of the above shall be read in conjunction while operating any item. The order of precedence shall only govern in case of any discrepancy.

- 1.21 No alterations shall be made by the tenderer in the Notice Inviting Tender, Instructions to the Contractors, agreement form, Conditions of the contract, Drawings and Specifications, and if any such alterations are made or any conditions attached, the tender is liable to be rejected.
- 1.22 The acceptance of a tender rests with the Authorised Representative of the Client who does not bind himself to accept the lowest tender and reserves to himself the authority to reject any or all the tenders received without assigning any reason(s) what's ever.

The authorized representative of the Client reserves the right of accepting the whole or any of the tenders received and the tenderer shall be bound to perform the same at the rates quoted.

- 1.23 The work shall be carried out under the direction and supervision of the Client or their representative at site. On acceptance of the tender, the Contractor shall intimate the name of his accredited representative who would be supervising the construction and would be responsible for taking instructions for carrying out the work.
- 1.24 The Client's decision with regard to the quality of the material and workmanship will be final and binding, any material thus rejected shall be immediately removed by the Contractor and replaced by materials as per specifications and standards.

1.25 **Defects Liability Period**

The contractor has to guarantee the material and workmanship for a minimum period of **ONE YEAR (12 months)** from the date of completion and acceptance of work by Hooghly CSL. During this period any work found defective shall be repaired/replaced by the Contractor free of cost any trouble or defect originating with the workmanship of any facilities installed arises at any time up to **12 months** from the date of completion of work, and the CONTRACTOR is notified thereof, the CONTRACTOR shall at his own expense and as quickly as possible make such alteration / repairs and replacements as may be necessary to comply with the above guarantees and shall reimburse any costs and expenses incurred by Hooghly CSL in connection with such trouble or defect. If the contractor fails to take action as above as Hooghly CSL shall direct, Hooghly CSL shall be free to take corrective/alternative action at the contractor's cost and risk within a reasonable time.

1.26 **Delays in Commencement**

The Contractor shall not be entitled to any compensation and/or damages for any loss suffered by him on account of delays in commencing whatever the cause for such delays may be. Similarly, the Contractor shall not be entitled to claim any amount from Client for delays in completion of work.

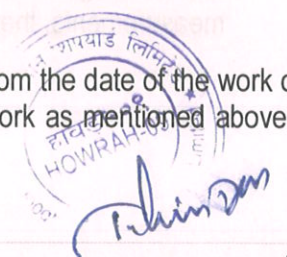
If the contractor abandons the contract or fails to commence the work in time or suspend the work for long duration (10 days) or delay the progress of the works without valid reasons acceptable to HOOGHLY CSL or labour dispute with their workers or poor safety records or poor quality of work or workmanship etc. is noticed, then HOOGHLY CSL will terminate the contract and arrange the work at the risk and cost of the terminated contractor. In such case, security deposit along with Performance Guarantee submitted by the contractor shall be forfeited forthwith.

- 1.27 The Contractor should inspect the source of materials, their quality, quantity and availability. All materials must strictly comply with the relevant specifications.

- 1.28 The Contractor must co-operate and co-ordinate with other Contractors involved in other works at the site.

1.29 **Period of Completion**

- i. The time for completion of work is **2 Months** which shall be reckoned from the date of the work order or handing over of site whichever is later. The time allowed for carrying out the work as mentioned above shall be strictly



observed by the contractor. The work throughout the time period shall be proceeded with due diligence keeping in view that time being deemed to be the essence of the contract.

- ii. The completion of work may entail working in monsoon period/ rainy season also. The contractor shall take such events into consideration while quoting for the work. The contractor must maintain sufficient labour force for the timely completion of work as per the prescribed schedule. No extra rate will be admissible for work in monsoon/rainy season. During monsoon and other period, it shall be the responsibility of the contractor to keep the work site free from water at his own cost and ensure safety of their workmen and materials.

1.30 Liquidated Damages

- i. Liquidated Damages will be levied at the rate of 0.5% of the value of contract per week of delay involved subject to a maximum of 10% of the value of the executed contract value.
- ii. The owner shall be at liberty to adjust or deduct the said amount of liquidated damages (not the way of penalty) from any amount due to the contractor including Security Deposit.
- iii. When the delay is not a full week or in multiples of a week and involves a fraction of a week, the LD payable for that fraction shall be proportional to the number of days involved.

1.31 Payment Terms

1.31.1 Payment terms for the project shall be as follows: -

Payment can be made on the clear RABs without corrections submitted by the contractor. Hooghly CSL shall carry out an initial scrutiny to check the eligibility of the RABs. Hooghly CSL has the right to reject the bill if found ineligible. Certified amount will be paid only after quality of work is certified & after scrutiny and crosschecking of the bill by Hooghly CSL. The contractor shall submit running account bills in two copies along with joint measurements. The contractor shall inform Hooghly CSL well in advance for recording the joint measurement. All statutory taxes, as per the rules prevailing in force at the time of payment of bills will be deducted while making payment or when crediting the amount to the account. After completion of all the works, the contractor has to clear all the debris and make the area neat and tidy at the site. The final bill shall be paid only after the certification regarding quality of work and overall certification by Hooghly CSL after obtaining all applicable approvals of Hooghly CSL. The final bill shall be paid within two months from the date of submission of claim (bill) by the contractor or completion of all the items of work or date of acceptance of the bill by both parties whichever is later. Contractor shall indicate details like PAN, GST details etc. required for processing payment. Payments will be made through NEFT/RTGS/Cheque mode and necessary details shall be furnished by the contractor. Hooghly CSL reserves the right for the deduction of taxes and duties as applicable from the bill or invoice.

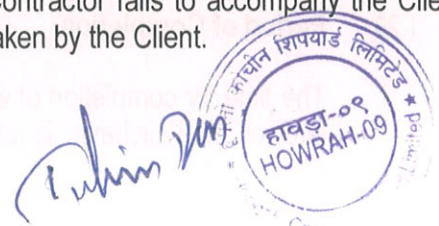
1.31.2 The quantities given in the schedule of work are only approximate and payment will be made as per actual measured quantities of work executed at site.

1.31.3 All the payments are made, after deducting there from the amounts already paid, the security deposit, income tax, workers welfare fund and other amounts as may be deductible or recoverable in terms of the contract.

1.31.4 The amount admissible for interim bills shall be normally paid within a month from the date of receipt of the bill by the Engineer-in-charge after such verification as is considered necessarily.

1.32 Measurement

The Contractor or his representative shall accompany the Client or their representative taking measurements and shall agree to the measurements taken on spot. If the Contractor fails to accompany the Client for measurements, then he shall be bound by the measurements taken by the Client.



1.33 CHANGES

HOOGHLY CSL reserves the right to issue change orders which provide for changes in the scope of work required under WORK ORDER, and for equitable adjustment in the price hereunder.

Any amendment to WORK ORDER shall be made in writing by HOOGHLY CSL and all other terms and conditions of WORK ORDER shall remain unchanged.

1.34 Ruling Percentage" shall mean the percentage by which the amount of the works actually awarded is higher or lower than the corresponding departmental estimated amount of the works. Ruling percentage shall be defined based on the departmental estimated amount of works and amount of the works actually awarded.

1.35 The quantities given in the Bill of quantities are indicative only. Variation is permitted in quantity of each individual item. The rates quoted shall be firm for such variation up to the limit of 25% in respect of individual items and up to 10% of the Contract Value. In case the variation results in the total Contract Value exceeding the prescribed percentages, the revision of rates, if any, shall be applicable only for that portion of contract carried out in excess of the permissible percentages. The rate payable shall be determined as given below:

a) Rates and prices of relevant item in the Delhi Schedule of Rates 2021 plus cost index applicable for Kolkata/Howrah, West Bengal plus/ minus Ruling Percentage.

b) Market rates of material and labour, hire charges of plant and machinery used plus 15% for overheads and profits of Contractor. Contractor has to furnish site observed data jointly certified by contractor, employer for computing local market rates along with supporting documents such as tax invoice of materials procured, labour deployment log book, work order/purchase order showing hire charges of plant and machinery, work order showing labour rates etc. to employer.

Whichever is lower, but not less than the rate in the Bill of Quantities.

No claims shall be entertained from the contractor for any downward variation. Contractor's concern is for negative variation as their cost of mobilization, set-up charges etc. does not get recouped in case of reduction in quantities.

1.36 Recovery of dues from the contractor

HOOGHLY CSL shall have recourse to Contractor for any costs, claims, demands, proceedings, damages and expenses whatsoever arising out of or in connection with any failure of Contractor to perform any of his responsibilities / obligations under the terms of the order. Any amount due from Contractor as per the order shall be deducted from money due or becoming due to Contractor or may be recovered as provided for in the contract.

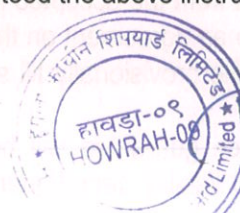
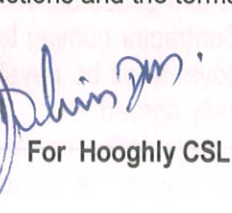
1.37 Permits and certificates

CONTRACTOR shall procure, at his expense, all necessary permits, third party approval certificates, and licenses required by virtue of all applicable laws, regulations, ordinances and other rules in force at the place where any of the work is to be performed, and CONTRACTOR further shall hold HOOGHLY CSL harmless from liability or penalty which might be imposed by reason of any asserted or established violation of such laws, regulations, ordinance or other rules.

1.38 Tender documents, Terms and conditions and Drawings should be signed and sealed in all pages by the contractor and accompanied along with the tender.

I / We hereby declare that I/we have read and understood the above instructions and the terms and conditions mentioned above are binding on me/us.

Signature and Seal of the Bidder(s)

 
For Hooghly CSL

GENERAL CONDITIONS OF CONTRACT

1. The bidders are expected to familiarize himself, labour situation, wages and benefits applicable to labours, working hours, prior to quoting the rates. The submission of a bid by bidder implies that he has made himself aware of all the above situations and conditions. Any subsequent claim on this account will not be entertained.
2. All applicable taxes, duties, transportation and insurance etc. except GST should be included in the rate quoted, unless specified otherwise. HOOGHLY CSL reserves the right for the deduction of taxes and duties as applicable from the bill or invoice.
3. Tender documents issued are not transferable. Tender documents issued/downloaded shall be submitted wholly without altering any part.
4. The bidder shall not have been debarred / black listed by Hooghly CSL or by any of the Public Sector Undertaking or Government department etc. Bidders shall produce a self-declaration in this regard as attached.
5. Bidders are instructed to carefully go through the tender documents and shall agree to HOOGHLY CSL terms and conditions, specifications, scope of work etc and quote their offer accordingly. Bidders shall produce a self-declaration in this regard as per the format enclosed with the tender documents. All the pages of tender documents shall be signed and duly sealed by the bidder as a token of the acceptance of conditions stated therein.
6. Bidders shall quote total amount in figures and in words. Corrections and additions if any must be attested/ duly signed by the bidder. In the case of error in multiplication/addition in amount calculated, the rate quoted will be considered as correct and the amount will be calculated accordingly. Conditional rebates & discounts, incomplete/ambiguous offers are likely to be rejected.
7. Bidder's failure to complete submission of their online bids in time on account of reasons such as SLOW SPEED OF SERVER, TECHNICAL PROBLEMS etc. shall not be entertained and EXTENSION OF SUBMISSION TIME shall not be granted on this account.
8. Tender opening shall be carried out at the designated date, time and location as specified in the Notice Inviting Tender. It may please be noted that, if any of the dates indicated in the tender notice is declared a public holiday, the dates shall be extended to the next working day.
9. HOOGHLY CSL reserves all the rights to reject any or all tenders without assigning any reason. Acceptance of a bid will rest with the competent authority, who does not bound himself to accept the lowest tender and reserves the right to reject any or all of the tenders received, without assigning any reason for the same.
10. Throughout the bidding documents, the terms "bid" and "tender" and their derivatives ("bidder / tenderer", "bid /tender", "bidding / tendering", etc.) are synonymous, and day means calendar day. Singular also means plural.
11. HOOGHLY CSL has the right to award work, part or in full to a single party or multiple parties as deemed fit. Also, HOOGHLY CSL shall have the right to issue work order & supply order separately.
12. During the evaluation of tender, HOOGHLY CSL may seek clarifications from the bidders. Clarification if any shall be given in writing/e-mail. HOOGHLY CSL decision will be final and binding on the bidder.
13. For items not existing in the Bill of Quantities (Extra work), rate payable shall be determined by methods given below and, in the order, given below and whichever is lower shall be paid;
 - a. Rates and prices of relevant item in the Delhi Schedule of Rates 2021 plus cost index applicable for Kolkata/Howrah, West Bengal plus/ minus Ruling Percentage.
 - b. Market rates of materials and labour, hire charges of plant and machinery used, plus 15% extra for overheads and profits of Contractor. Contractor has to furnish site observed data jointly certified by contractor, employer for computing local market rates along with supporting documents such as tax invoice of materials procured, labour deployment log book, work order/purchase order showing hire charges of plant and machinery, work order showing labour rates etc. to employer.
14. For items not listed in the bill of quantities, but can be considered as Substituted items, rate payable shall be determined as below:
 Rates and prices derived from the accepted rate of similar items in Contract. If there is delay in the Employer and the Contractor coming to an agreement on the rate of an Extra work/ Substituted items, rates as proposed by the Employer shall be payable provisionally till such time the rates are finally determined or till such date rates are mutually agreed.
15. Security deposit/Performance guarantee will be released only after attending all the defects pointed out to the contractor during the defect liability period/guarantee/warranty period. Any work which are not attended/replaced

during the defect liability period within a reasonable time given by Officer in charge /Engineer, the work will be carried out at the risk and cost of the contractor by Hooghly CSL.

16. The site will be available for work during office hours (08:30 Hrs to 17:30 Hrs.) only. However, if the Contractor wishes to carry out the work beyond normal working hours or on holidays, he should get specific approval from the Officer-in-Charge.
17. The work shall be inspected by the Officer –in – Charge /Engineer, his authorised representative deputed by the Officer –in – Charge. Officer-in – Charge /Engineer will have full liberty to impose penalties for the violation of any of the agreement clauses.

18. General conditions on work part:

- 18.1. Hooghly Cochin Shipyard Limited reserves the right to make minor alterations, additions or substitutions to the existing specifications/scope of work, if found necessary during the progress of work and the contractor is bound to carry out the work without any additional cost, as per such altered specifications.
- 18.2. The completion of work may entail working in monsoon period/ rainy season also. The contractor shall take such events into consideration while quoting for the work. The contractor must maintain sufficient labour force for the timely completion of work as per the prescribed schedule. No extra rate will be admissible for work in monsoon/rainy season. During monsoon and other period, it shall be the responsibility of the contractor to keep the work site free from water at his own cost and ensure safety of their workmen and materials.
- 18.3. All labour, skilled or unskilled shall be provided by the contractor. Settling any dispute with the labour, subcontractor, labour union shall be the sole responsibility of the contractor. Workers engaged for works should have sufficient knowledge and experience in the respective fields.
- 18.4. The contractor should take insurance for the men and materials till the handing over of the entire system to Yard. The contractor is bound to meet the expenses or defence of any action of legal proceedings that may be brought by any person for injury sustained owing to neglect of safety precaution and to pay damages and costs which may be awarded in consequence as per rules in force. It is the responsibility of the contractor to ensure that workmen engaged in the work should wear safety appliances like helmet, safety shoes, safety belts etc. and should strictly comply with Yard Safety Rules and Regulations in vogue. For obtaining entry permission of workmen into the company premises, the contractor has to furnish the identity proof of those persons to be engaged [Passport/Electron Identity card etc. If required, police clearance certificate shall also be submitted. They should carry / display the pass issued by Yard authorities during the entire span while in Yard. The contractor has to abide by all relevant Labour Regulations and enactments as applicable to the contractor and his/their workmen and as amended from time to time without causing or claiming any responsibility or liability thereof to the company.
- 18.5. The workmen are strictly banned from use of any kind of Narcotics drugs / Alcohol /smoking etc. inside Yard and any illegal activity by the work men should be reported to the Officer-in- charge without delay and the contractor shall remove such persons from Yard premises.
- 18.6. The Contractor should furnish their Registration code, ESI/EPF (if applicable) /PAN/GST numbers issued by competent authorities if any. The supporting documents for the same may have to be submitted to HOOGHLY CSL in the event of requirement. HOOGHLY CSL reserves the right for the deduction of ESI/PF from the bill or invoice, if required.

18.7. Tax elements

- a. The tax rate of the Goods and Services would be as per the Government of India published GST rate schedule for goods & services. The rates have been mapped with HSN& SAC in the rate notification issued by the government. The rate schedule should be referred to identify the applicable rate.
- b. GST ID should be mentioned.
- c. The invoices should be as per the provisions of GST law. The invoices should mandatorily contain the HSN code/SAC and GSTIN number along with other particulars. The GST charged (CGST&SGST or IGST) should be separately indicated in the invoice.
- d. Tax inclusive invoices will not be accepted.
- e. All correction/rectification in the invoices should be done through Debit note/ Credit note only.
- 18.8. The work is to be arranged without affecting construction activities and to other agencies engaged in that area where works are to be carried out and shall be arranged with minimum hindrances. The work shall be carried out without damaging any of the existing structures/structures under construction/ underground pipelines or cables etc

in the locality. If any damage occurs to the Yard property, by the contractor's operation shall be compensated / made good at contractor's risk and cost to the satisfaction of the Officer-in-charge of the works, failing which Yard will do the rectification work and the cost incurred will be recovered from contractor's bill or from security deposit. If contractor fails to clear the dispose/items, Yard is having the right to cleaning the premises and cost involved for the cleaning will be deducted from the contractor's bill.

- 18.9. The entire work should be carried out to the satisfaction of the Officer-in-charge/Engineer of the work. Decisions of the Officer-in-charge/Engineer will be final and binding to the contractor.
- 18.10. The workmanship shall be as per industrial standard in every respect both for the equipment supplied and for the installation carried out. The work should confirm to relevant Indian Standard Specification / other statutory rules wherever necessary/ applicable.
- 18.11. Arrangement of all necessary accessories shall be carried out by contractor for successful completion of work even though not specifically mentioned in the tender/ order. All tools, tackles, accessories and other materials brought into Shipyard for the work shall comply with statutory requirements and shall be declared.
- 18.12. Necessary storage space will be provided by Yard as per the prevailing rules subject to the availability of space. If not, contractor has to make necessary arrangements outside Yard premises at his own cost and risk.
- 18.13. All statutory requirements are to be followed by the contractor. Packing material used if any should be eco-friendly.
- 18.14. All local issue if any to be deal by bidder.
- 18.15. The contractor has to abide by the Contract Labour Act 1970 and rules there under and applicable State Contract Labour Rules and the Yard safety rules and regulations. It is the responsibility of the contractor to follow all safety rules and regulations in force, during the period of contract in Yard, and any violation of the same during the course of work will be at the risk and cost of the contractor and will attract penal action.
- 18.16. Necessary "Work in progress" boards shall be provided by the contractor at locations shown by the Officer –in – Charge/Engineer.
- 18.17. The contractor shall make arrangements for collection, preparing, forwarding and testing of samples (if required) at his cost as directed by the Officer –in – Charge /Engineer. The charges for testing to be borne by the Contractor.
- 18.18. Electrical connections issued to the Agency will be exclusively for their own use and any power sharing with other agencies shall be totally under the risk and cost of the agency to which power supply is allotted.

Bidders shall follow the Security instructions and HSE guidelines as enclosed with the Tender documents.

19. Force Majeure Condition:

Should failure in performance of the contract or part there of arise from war insurrection, restraint imposed by Government, Act of Legislature of other statutory Authority or illegal strike (event like local strike/ hartal etc. in the yard, state or national), riot, legal lock out, flood, bad weather, fire, explosion, pandemic, epidemic, Act of God of any inevitable or unforeseen beyond human capacity which may be construed as reasonable ground for an extension of time. Hooghly CSL may allow such additional time as is mutually agreed, to be justified by the circumstances of the case. The occurrence/ cessation of force majeure situation is to be informed with documentary evidence within 15 days from the date of occurrence or cessation.

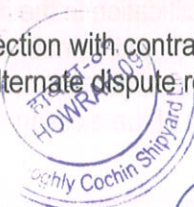
20. Risk Purchase: -

If the contractor fails to complete the work, in time as per the terms in work order, HOOGHLY CSL shall have the following rights.

- a) To terminate the contract within 15 days of notice.
- b) To initiate alternative arrangements at the risk and cost of the contractor.
- c) HOOGHLY CSL reserves the right to terminate the work order at short notice of 3 days in case the firm's performance is found not satisfactory with regard to the progress of work, quality, time factor, labour dispute with their workers, poor safety record and other violation of any contract conditions. No claim whatsoever will be entertained in this regard from the firm.

21. Jurisdiction:

All questions, disputes or difference arising under, out of, or in connection with contracts shall be subject to the exclusive jurisdiction of the Courts at Kolkata, West Bengal, India. Alternate dispute resolution mechanism can also be considered.



General Conditions, technical specifications, Drawings etc. and all tender documents of HOOGHLY CSL is legally binding on the tenderer.

22. USE OF APPROVED MAKES

List of approved makes for use in permanent works is mentioned in the tender. It will be deemed that the contractor has priced the respective items on the basis of the approved makes.

Where a particular brand or make is specified in Bill of Quantities or Technical specification, such brand or make of material shall only be used in the works.

Whenever equivalent is specified in the list of approved makes, permission for use of equivalent make shall be subject to contractor submitting proof of non-availability by way of valid regret letters from the makes listed along with the comparison table of properties of proposed make w.r.t specified make. Also, contractor shall submit sample of equivalent material along with test certificates and other documentary evidences to the Engineer-in-charge for approval. Decision of Engineer-in-charge on approving equivalent makes shall be final and binding on the contractor.

23. SITE HANDING OVER

The site will be handed over in full. However, if this is not possible due to reasons that cannot be anticipated now, site shall be handed over in multiple phases based on the exigency of work. If there is any delay in work due to delay in handing over of site by HOOGHLY CSL which is not attributable to the contractor, proportionate extra time will be granted if found necessary by the Engineer-in-charge without any additional cost implication and the decision of Engineer-in-charge shall be final.

24. MOBILIZATION ADVANCE

Mobilization advance shall not be applicable for this contract

25. PRICE ADJUSTMENT

Price Adjustment shall not be applicable for this contract

26. SAFETY AND SECURITY PROVISIONS

The Site of Work is a protected area. Contractor shall strictly abide by the rules and regulations of HOOGHLY CSL regarding entry and exit of vehicles, materials, equipment's & contractor's workmen.

All the Contractors and subcontractors shall comply with the measures related to the Quality, Health, and Safety & Environment (QHSE) policy of HOOGHLY CSL. It is the responsibility of the contractor to follow all safety rules and regulations in force, during the currency of contract in HOOGHLY CSL, and any violation of the same during the course of work will be at the risk and cost of the contractor and will attract penal action. Upon any violation of Safety rules by the contractor, safety department will impose penalty of Rs 5,000/- per violation. Action for debarring the contractor also will be taken in case of repeated violations. Any accident caused due to safety violation and any damage to the Employer property suitable penalty will be imposed by HOOGHLY CSL including termination of contract, if required.

27. PROCUREMENT OF MATERIALS

The Contractor shall arrange from the very beginning adequate supply of materials, manpower, stock control items, spare parts etc. so as to ensure that delays or hold-ups do not occur in the commencement and execution of the works. Advance planning for procurement shall be ensured and buffer stock for critical construction items such as reinforcement steel, structural

steel, cement, admixtures, aggregates etc. sufficient to carry out at least two weeks of work shall be ensured by the contractor for smooth progress of work.

All the materials to be used in work shall be subjected to the approval of Engineer-in-charge. The contractor shall apply sufficiently in advance with the samples of materials including the supporting test results from the government/NABL accredited laboratory and other documentary evidence from the manufacturer wherever applicable indicating the types of materials and their respective sources. The Engineer-in-charge also reserves the right to conduct additional tests at government laboratories or NABL accredited laboratory at his discretion. The cost of all such tests shall be borne by

the contractor. The delivery of material at the site shall be carried out only after the approval of quality, grading and source of materials by Engineer-in-charge. The quality of all material once approved shall be maintained throughout the period of construction and periodic tests shall be carried out to ensure that it is maintained. The guarantees/warranty certificates for all major bought out items, fittings /fixtures are to be handed over to Hooghly CSL prior to use in permanent works.

28. SITE RECORDS TO BE MAINTAINED BY CONTRACTOR

- Detailed work methodology for all major works – Detailed work methodology should be submitted by the contractor at least 14 days prior to date of commencement of respective work and contractor should ensure that no work is commenced without an approved method statement.
- Site records –RFI (Request for inspection), Engineer-in-charge approved formats for pour card, post pour, checklist for fabrication and erection, and inspection records for other works, BBS, consumption statements, Hindrance register etc.
- Quality related documents-Material testing reports, plant and machinery permits and calibration certificates, procurement and consumption statements of the applicable items whatever applicable, NCR etc.

Statutory documents- Workmen attendance register/wage register, EPF/ESIC remittance details, key personnel attendance statement etc.

29. Following declaration signed by the contractor.

“I/WE HAVE INSPECTED THE SITE AND GONE THROUGH THE TENDER TERMS AND CONDITIONS IN FULL AND UNDERSTAND AND ACCEPT THE SAME AND HEREBY TRULY CONFIRM AND DECLARE THAT THE RATES QUOTED IN THE PRICE BID ARE INCLUSIVE OF ALL TAXES, ALL CESS AND DUTIES BUT EXCLUDING GOODS AND SERVICES TAX. I / WE ALSO CONFIRM THAT COVER B (PRICE BID) DO NOT CONTAIN ANY CONDITIONS”

“I/WE HAVE NOT MADE ANY PAYMENT OR ILLEGAL GRATIFICATION TO ANY PERSON/AUTHORITY CONNECTED WITH THE BID PROCESS SO AS TO INFLUENCE THE BID PROCESS AND HAVE NOT COMMITTED ANY OFFENCE UNDER THE PC ACT IN CONNECTION WITH THE BID.”

Signature and Seal of the Bidder(s)



For Hooghly CSL

TECHNICAL SPECIFICATION OF MATERIALS AND WORKMANSHIP

1. The following technical specification, code of practice etc. referred herein is form a part of the Item Specification and work shall be executed accordingly. Items which are not covered under Technical Specification shall be carried out as per relevant IS Specification or BOQ Specification or as per manufactures specification or as directed by Engineer.
2. In case of discrepancy between technical specification and item specification provided along with Bill of Quantities, the Item Specification in Bill of Quantities shall prevail.
3. All the measurements shall be as per latest edition of B.I.S.
4. Contractor is required to submit a methodology of work in conforming to BOQ, technical specification, and conditions of contract and sound engineering practices and get it approved by Engineer before the commencement of any new work.

- **EARTH WORKS**

General –Contractor shall carry out the survey of the site before excavation and set properly all lines and establish levels for various works such as earthwork in excavation for levelling, basement, foundations, plinth filling, roads, drains, cable trenches, pipelines, etc. It is necessary to establish permanent bench mark at such point which will not be affected by subsequent work. Such survey shall be carried out by taking accurate cross sections of the area perpendicular to establish reference/grid lines at 5 m intervals or nearer as determined by Engineer based on ground profile.

The area to be excavated/ filled shall be cleared of fences, trees, plants, logs, slumps, bush, vegetation's, rubbish slush, etc., and other objectionable matter. If any roots or stumps of trees are found during excavation, they shall also be removed. The material so removed shall be disposed of as directed by Engineer. Where earth fill is intended, the area shall be stripped of all loose/soft patches, top soil containing deleterious matter/materials before fill commences.

In firm soil if the excavation is deeper than 2 m and in loose, soft or slushy soil, the width of the step shall be suitably increased or the sides sloped or shoring and strutting may be done as per the Engineer's instructions without any extra cost.

For excavation in trenches for pipes nothing extra shall be payable for the lift irrespective of the depth unless specifically mentioned otherwise in the Schedule of Quantities.

The trenches which are ready for concreting shall be got approved by the Engineer.

The excavated stacked earth shall be refilled in the trenches and sides of foundation in 200 mm layers and the balance surplus shall be first filled in layers in plinth and the remaining surplus shall be disposed of by uniform spreading within the site/outside the site as directed by the Engineer.

Adequate protective measures shall be taken by the Contractor to see that the excavation for the building foundation does not affect the adjoining structure's stability and safety. Contractor will be responsible if he has not taken precaution for the safety of the people, workers property or neighbor's property caused by his negligence during the constructional operations.

Standards -The following Indian Standard Codes, unless otherwise specified herein, shall be applicable. In all cases, the latest revision of the codes shall be referred to.

- a) IS - 1200 Method of measurement of building works.
- b) IS - 3764 Safety code for excavation work.
- c) IS - 3385 Code of practice for measurement of Civil works



Lead –Lead for disposal of excavated material inside the site and at convenient places in the surrounding areas have been specified in the respective items of work and no other extra lead is intended.

Classification –Any earthwork will be classified under any of the following categories:

All kind of Soils –These shall include all kinds containing kankar, sand, silt, moorum and/or shingle, gravel, clay, loam peat, ash, shale, etc., which can generally be excavated by spade, pick-axe and shovel and which is not classified under ordinary rock, and hard rock defined below. This shall also include excavation in macadam and tarred roads and pavements. This shall also include rock boulders up to 200 dm³. Rubble masonry to be dismantled below ground level will also be measured under this item.

Dewatering –If water is met with in the excavations due to springs, seepage, rain or other causes, it shall be removed by suitable diversions, pumping or bailing out and the excavation kept dry whenever so required or directed by the Engineer. Care shall be taken to discharge the drained water into suitable outlets as not to cause damage to the works, crops or any other property. Due to any negligence on the part of the Contractor, if any such damage is caused, it shall be the sole responsibility of the Contractor to repair/restore to the original condition at his own cost or compensate for the damage.

• EARTH FILLING

General –Earth of filling type shall be of as excavated from work site.

Earth filling in trench or others as directed shall be as specified in CPWD specifications. Except that consolidation shall be done by flooding with water. The surface of the consolidated earth filling shall be dressed to the required level or slope and shall not be covered till the Engineer has inspected and approved the sand filling.

Measurements– The length, breadth and depth of consolidated earth shall be measured with steel tape correct to the nearest cm and cubical contents worked out in cubic metres correct to two places of decimal.

Rates –The rates include the cost of material and labour involved in all the operations described in BOQ.

• CONCRETE WORKS

General – The following codes and standards are made a part of the Specifications. All standards, codes of practices referred to herein shall be the latest edition including all applicable official amendments and revisions.

In case of discrepancy between this specification and those referred to herein, this specification shall prevail.

Materials -

- 1) IS 269: Specification for ordinary, rapid hardening and low heat Portland cement.
- 2) IS 455: Specification for Portland blast furnace slag.
- 3) IS 1489: Specification for Portland-pozzolana cement.
- 4) IS 650: Specification for standard sand for testing of cement.
- 5) IS 383: Specification for coarse and fine aggregates from natural sources for concrete.
- 6) IS 2386 (Parts I to VIII): Methods of test for aggregates for concrete.
- 7) IS 516: Methods of test for strength of concrete.
- 8) IS 1199: Methods of sampling and analysis of concrete.
- 9) IS 2396 (I) IS 5640: Flakiness Index of aggregates.
- 10) IS 3025: Methods of sampling and test (physical and chemical water used in industry).
- 11) IS 432(Part I & II): Specification for mild steel and medium tensile steel bars and hard drawn steel wire



for concrete reinforcement.

12) IS 1139m: Specification for hot rolled mild steel and medium tensile steel deformed bars for concrete reinforcement.

13) IS 1566: Specification for plain hard drawn steel wire fabric for concrete reinforcement.

14) IS 4990: Specification for plywood for concrete shuttering work.

Codes of Practice -

1. IS 456: Code of practice for plain and reinforced concrete.

2. IS 2502: Code of practice for bending and fixing of bars for concrete

Reinforcement

3. IS 3558: Code of practice for use of immersion vibrators for consolidating concrete.

4. IS 3414: Code of practice for design and installation of joints in structure.

5. IS 2571: Code of practice for laying in-situ - cement concrete flooring

Measurement

6. IS 1200: Method of measurement of building works.

7. IS 3385: Code of practice for measurement of civil engineering works

General - The quality of materials, method and control of manufacture and transportation of all concrete work irrespective of mix, whether reinforced or otherwise shall conform to the applicable portions of this specification.

Materials - The ingredients to be used in the manufacture of standard concrete shall consist solely of standard type Portland cement, clean sand, natural coarse aggregate, clean water and admixtures.

Cement- While supplying Cement Contractor shall follow the points provided below:

a. The cement to be used shall be Grade OPC/PPC/PSC of approved grade 43 & 53 conforming to IS: 8112-1989/IS: 1489 part I / IS 455 respectively unless otherwise mentioned. As far as possible, all the cement shall be obtained from a single source throughout the contract. Cement of different types shall not be mixed together. Different brands of cements or same brand of cement from different sources shall not be used without prior approval of the Engineer.

The cement shall be delivered at site in original sealed bags which shall be labelled with the weight, date of manufacture, brand and type. Cement received in torn or hand-stitched bags shall not be used. For volumetric batching of concrete, cement should be mixed only by box measurement. All cements should be fresh when delivered and shall be stored in an approved manner in stores built by the Contractor at his own cost. Set cement shall not be allowed to be used for any work. Site blending of the cement is not permitted.

b. A certified report attesting to the conformance of the cement to IS specifications by the cement manufacturer's chemist shall be furnished to engineer if demanded.

c. Cement held in storage for a period of sixty (60) days or longer shall be tested. Should at any time Engineer have reasons to consider that any cement is defective, then irrespective of its origin, and/or manufacturers test certificate, such cement shall be tested immediately at contractor's cost at an approved laboratory and until the results of such tests are found satisfactory, it shall not be used in any work. Contractor shall not be entitled to any claim of any nature on this account.

d. Contractor will have to make his own arrangements for storage of adequate quantity of cement.

e. The Engineer shall be regularly notified when supplies of cement are made to the site store. Copies of

invoices shall be made available to the site engineer and a common cement register shall be kept at his office showing the supply stock and issue on a daily basis.

Minimum cement content for different grade of concrete shall be on the basis of relevant exposure conditions.

- For land area exposure is to be assumed as "severe"
- For marine area exposure is to be assumed as "very severe"

Aggregates - Aggregate in general designates both fine and coarse inert materials used in the manufacture of concrete. Fine aggregate is aggregate all of which passes through 4.75 mm IS sieve. Coarse aggregate is aggregate most of which is retained on 4.75 mm sieve. Specification mentioned against various item of work may also be followed.

All fine and coarse aggregates proposed for use in the work shall be subject to Engineer's approval and after specific materials have been accepted the source of supply of such materials should not be changed without prior approval of Engineer.

Aggregates shall, except as noted above, consist of natural sands, crushed stone and gravel from a source known to produce satisfactory aggregate for concrete and shall be chemically inert, strong, hard, durable against weathering, of limited porosity and free from deleterious materials that may cause corrosion of the reinforcement or may impair the strength and/or durability of concrete. The grading of aggregates shall be such as to produce a dense concrete of specified strength and consistency that will work readily into position without segregation and shall be based on the mix design and preliminary tests on concrete specified later.

Sampling and testing

Samples of the aggregates for mix design and determination of suitability shall be taken under the supervision of Engineer and delivered to the laboratory, well in advance of the scheduled placing of concrete. Records of tests which have been made on proposed aggregates and on concrete made from this source of aggregates shall be furnished to Engineer in advance of the work for use in determining aggregate suitability. The costs of all such tests, sampling, etc., shall be borne by contractor.

Storage of Aggregates


All coarse and fine aggregates shall be stacked in stock separately in stock piles in the materials yard near the work site or if instructed in bins properly constructed to avoid inter mixing of different aggregates. Contamination with foreign materials and with earth during storage and while heaping the materials shall be avoided. The aggregate must be of specified quality not only at the time of receiving at site but more so at the time of loading into mixer.

Screening and Washing

- a) Sand shall be prepared for use for such screening or washing, or both, as necessary, to remove all objectionable foreign matter while separating the sand grains to the required size fractions.
- b) Natural gravel and crushed rock shall be screened and/or washed for the removal of dirt or dust coating, if so, demanded by Engineer.

Water - Water used for both mixing and curing shall be free from injurious amounts of deleterious materials. Potable waters are generally satisfactory for mixing and curing concrete.

The suitability of water for making concrete shall be ascertained by the compressive strength and initial setting time test specified in IS-456. The sample of water taken for testing shall be typical of the water proposed to be used for concreting, due account being paid to seasonal variation. The sample shall not receive any treatment before testing other than that envisaged in the regular supply of water proposed for use in concrete. The sample shall be stored in a clean container previously rinsed out with similar water.


Subin

General Requirements of RMC - The contractor is allowed to use RMC instead of batching plant, but without any extra COST. Ready Mixed Concrete shall conform to IS 4926 and technical specifications as stipulated in CPWD latest edition shall be strictly followed.

Basis of Supply: - Ready-mixed concrete shall be supplied having the quality and the quantity in accordance with the requirement agreed with the purchaser or his agent. Not with standing this, the concrete supplied shall generally comply with requirements of IS 456. All concrete will be supplied and invoiced in terms of cubicmetres (full or part) of compacted fresh concrete. All proportioning is to be carried out by mass except water and admixture, which may be measured by volume.

Transport of Concrete: Ready-mixed concrete shall be transported from the mixer to the point of placing as rapidly as practicable by methods that will maintain the required workability and will prevent segregation, loss of any constituents or ingress of foreign matter or water. The concrete shall be placed as soon as possible after delivery, as close as is practicable to its final position to avoid re-handling or moving the concrete horizontally by vibration. If required by the purchaser the producer can utilize admixtures to slow down the rate of workability loss, however this does not remove the need for the purchaser to place the concrete as rapidly as possible. The purchaser should plan his arrangements so as to enable a full load of concrete to be discharged within 120 minutes of arrival on site. Concrete shall be transported in a truck-mixer unless the purchaser agrees to the use of non-agitating vehicles.

Batching Plants and Batching Equipment - Hoppers for weighing cement, mineral admixtures, aggregates and water and chemical admixture (if measured by mass) shall consist of suitable container freely suspended

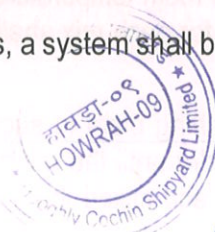
from a scale or other suitable load-measuring device and equipped with a suitable discharging mechanism. The method of control of the loading mechanism shall be such that, as the quantity required in the weighing hopper is approached the material may be added at controllable rate and shut off precisely within the weighing tolerances specified in CPWD specifications. The weighing hoppers for cement, mineral admixtures aggregate shall be capable of receiving their rated load, without the weighed material coming into contact with the loading mechanism. Where the rated capacity of a batching plant mixing cycle is less than 2.0 m³, additional precautions shall be taken to ensure that the correct number of batches are loaded into the truck mixer. The weighing hoppers shall be constructed so as to discharge efficiently and prevent the buildup of materials. Dust seals shall be provided on cement hoppers between the loading mechanism and the weigh hopper, and shall be fitted so as to prevent the emission of cement dust and not affect weighing accuracy. The hopper shall be vented to permit escape of air without emission of cement dust.

Vibrator or other attachment, where fitted, shall not affect the accuracy of weighing. There shall be sufficient protection to cement and aggregate weigh hoppers and weighing mechanisms to prevent interference with weighing accuracy by weather conditions or external build-up of materials. Where chemical admixture dispensers are used, they shall be capable of measurement within the tolerance and calibrated container or weigh scales shall be provided to check the accuracy of measurement at least once a month.

Each control on the batching console and weigh-dial or display shall be clearly labeled with its function and where concerned with the batching of materials, the materials type. When more than one type or grade of cement is being used, the weighing device and discharge screw or other parts of the transfer system shall be empty before changing from on type of cement to another. When more than one type or grade of cement is being used, the weighing device and discharge screw or other parts of the transfer system shall be empty before changing from on type of cement to another.

When pulverized fuel ash and other mineral admixtures are batched through the cement weigh system, the weighing device and discharge screw or other parts of the transfer system shall be empty when the weighing system has returned to zero reading or completed the batch.

Where a back weigh system is utilized to weigh materials, a system shall be in place so as to prevent materials being loaded during the process of weighing.



Mix Design -

Classification - In case of concrete works, mix design may be necessary as per IS:456 and Mix design Code (IS10262 latest) for certain items as directed by Engineer. All concrete in the works shall be of design mix as defined in IS 456, unless it is a nominal mix concrete such as 1:1.5:3, 1:2:4, 1:3:6, 1:4:8, 1:5:10. Whether reinforced or otherwise, all design mix concrete works to be carried out under this specification shall be divided into the following classifications.

| Class | Specified Characteristic Compressive Strength of 15cm Cube at 28 Days in | Assumed Standard Deviation as per table no.8 of IS 456 | Max. size of aggregate mm |
|-------|--|--|---------------------------|
| M 40 | 40.0 | 5.0 | 20 |
| M 35 | 35.0 | 5.0 | 20 |
| M 30 | 30.0 | 5.0 | 20 |
| M 25 | 25.0 | 4.0 | 20 |
| M 20 | 20.0 | 4.0 | 20 |
| M 15 | 15.0 | 3.5 | 20 |

It shall be very clearly understood that whenever the class of concrete such as M 20 is specified it shall be the Contractor's responsibility to ensure that minimum crushing strength stipulated for the respective class of concrete is obtained at works. The maximum total quantity of aggregate by weight per 50 kg of cement shall not exceed 250 kg except when otherwise specifically permitted by Engineer.

To fix the grading of aggregates, water cement ratio, workability and the quantity of cement required to give preliminary and works cubes of the minimum strength specified, the proportions of the mix shall be determined by weight. Adjustment of aggregate proportions due to moisture present in the aggregate shall be made. Mix proportioning shall be carried out according to Indian Standard Specifications.

Whenever there is a change either in required strength of concrete or water cement ratio or workability or the source of aggregates and or cement, preliminary tests shall be repeated to determine the revised proportions, of the mix to suit the altered conditions.

While fixing the value for water cement ratio for preliminary mixes, assistance may be derived from the graph (appendix IS 456) showing the relationship between the 28-day compressive strengths of concrete mixes with different water cement ratios and the 7 days compressive strength of cement tested in accordance with IS 269.

Preliminary tests - Test specimens shall be prepared with at least two different water/cement ratios for each class of concrete, consistent with workability required for the nature of the work. The materials and proportions used in making preliminary tests shall be similar in all respects to those to be actually employed in the works as the object of these tests is to determine the proportions of cement, aggregates and water necessary to produce concrete of required consistency and to give the specified strength. It will be the Contractor's sole responsibility to carry out these tests and he shall therefore furnish to Engineer a statement of proportions proposed to be used for the various concrete mixes.

Materials shall be brought to the room temperature and all materials shall be in a dry condition. The quantities of water, cement and aggregates for each mix shall be determined by weight/volume to an accuracy of 1 part in 1000 parts.

Mixing shall be done by a batching plant in such a manner as to avoid loss of water. The cement and fine aggregate shall first be mixed dry until the mixture is uniform in colour. The coarse aggregate shall then be added, mixed and water added and mixed thoroughly for a period of not less than 3 minutes until the resulting

concrete is uniform in appearance. Each mix of concrete shall be of such a quantity as to leave about 10% excess concrete after moulding the desired number of test specimens.

The consistency of each mix of concrete shall be measured immediately after mixing, by the slump test in accordance with IS 1199. If in the slump test, care is taken to ensure that no water or other materials is lost, the materials used for the slump test may be remixed with the remainder of the concrete for making the specimen test cubes. The period of remixing shall be as short as possible yet sufficient to produce a homogeneous mass.

Compression tests of concrete cubes shall be made as per IS 516 on 15 cm cubes. Each mould shall be provided with a metal base having a plane surface so as to support the mould during filling without leakage. The base plate shall be preferably attached to the mould by springs or screws. The parts of the mould when assembled shall be positively and rigidly held together. Before placing concrete, the mould and base plate shall be cleaned and oiled. The dimensions and internal faces of the mould shall be accurate within the following limits:

Height and distance between the opposite faces of the mould shall be of specified size plus or minus 0.2 mm. The angle between the adjacent internal faces and between internal faces and top and bottom planes of mould shall be 90 Deg. plus or minus 5 Deg. The interior faces of the mould shall be plane surfaces with a permissible variation 0.03 mm.

Concrete test cubes shall be moulded by placing fresh concrete in the mould and compacted as specified in IS 516.

Curing shall be as specified in IS 516. The cubes shall be kept in moist air of at least 90% relative humidity at a temp. Of 27 Deg. Cent. Plus, or minus 2 Deg. Cent. For 24 hours plus or minus half hour from the time of adding water to the dry ingredients. Thereafter they shall be removed from the mould and kept immersed in clean, fresh water and kept at 27 Deg. Cent. Plus, or minus 2 Deg. Cent. Temp. Until required for test. Curing water shall be renewed every seven days. A record of maximum and minimum temperatures at the place of storage of the cubes shall be maintained during the period they remain in storage.

Testing of specimens

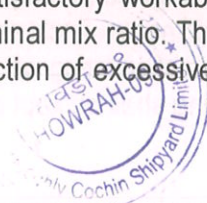
The strength shall be determined based on not less than five cubes test specimens for each age and each water cement ratio. All these laboratory test results shall be tabulated and furnished to Engineer. The test result shall be accepted by Engineer if the average compressive strengths of the specimens are tested subject to the condition that only one out of the five consecutive tests may give a value less than the specified strength for that age. The Engineer may direct the Contractor to repeat the tests if the results are not satisfactory and also to make such changes as he considers necessary to meet the requirements specified. All these preliminary tests shall be conducted by the Contractor at his own cost in an approved laboratory.

Proportioning, consistency, batching and mixing of concrete

Aggregate - The proportions which shall be decided by conducting preliminary test shall be by volume. These proportions of cement, fine and coarse aggregates shall be maintained during subsequent concrete mixing. The supply of properly graded aggregate of uniform quality shall be maintained over the period of work, the grading of aggregates shall be controlled by obtaining the coarse aggregate in different sizes and blending them in the right proportions. The different sizes shall be stocked in separate stock piles. The grading of coarse and fine aggregate shall be checked as frequently as possible as determined by Engineer, to ensure maintaining of grading in accordance with the samples used in preliminary mix design. The material shall be stock piled well in advance of use.

Cement - The cement shall be measured by weight.

Water - Only such quantity of water shall be added to the cement and aggregates in the concrete mix as to ensure dense concrete, specified surface finish, and satisfactory workability, consistent with the strength stipulated for each class of concrete as per approved nominal mix ratio. The water added to the mix shall be such as not to cause segregation of material or the collection of excessive free water on the surface of the concrete.



Signature

The W/C ratio specified for use by Engineer shall be maintained. The Contractor shall determine the water content of the aggregates as frequently as directed by Engineer as the work progress and as specified in IS 2386 (Part-III) and the amount of water added at the mixer shall be adjusted as directed by Engineer so as to maintain the specified W/C ratio. To allow for the variation in volume of aggregates due to variation in their moisture content suitable adjustments in the volume of aggregates shall also be made.

Slumps for Various Types of Construction

| Placing Conditions | Degree of Workability | Slump (mm) |
|---|-----------------------|------------------|
| Blinding concrete: Shallow sections; Pavements using pavers Mass concrete: | Very low | 25-75 |
| Lightly reinforced sections in slabs, beams, walls, columns: Floors; Hand placed pavements; | Medium | 50-100 75-100 |
| Canal lining; Strip footings Heavily reinforced sections in slabs, beams, walls, columns; Slip form work; Pumped concrete Trench fill; <i>In-situ pilling Tremie concrete</i> | High | 100-150 |
| | Very high | 150-180 |

Curing, protecting, repairing and finishing

Curing - All concrete shall be cured by keeping it continuously damp for the period of time required for complete hydration and hardening to take place. Preference shall be given to the use of continuous sprays or ponded water continuously saturated covering of sacks, canvas, hessian, polythene sheets or other absorbent materials, or approved effective curing compounds applied with spraying equipment capable of producing a smooth, even textured coat. Extra precautions shall be exercised in curing concrete during cold and hot water as outlined hereinafter. The quality of curing water shall be the same as that used for mixing concrete.

Certain types of finish or preparation for overlaying concrete must be done at certain stage of the curing process and special treatment may be required for specific concrete surface finish.

Curing of concrete made of high alumina cement and super sulphated cement shall be carried out as directed by Engineer.

Fresh concrete shall be kept continuously wet for a minimum period of 15 days from the date of placing of concrete following a lapse of 12 to 14 hours after laying of concrete. The curing of horizontal surfaces exposed to the drying winds shall however begin immediately the concrete has hardened. Water shall be applied uniformly to concrete surfaces within 1 hour after concrete has set. Water shall be applied to formed surfaces immediately upon removal of forms. Quantity of water applied shall be controlled so as to prevent erosion offreshly placed concrete.

Curing shall be assured by use of an ample water supply under pressure in pipes with all necessary appliance of hose, sprinklers and spraying devices. Continuous fine mist spraying or sprinkling shall be used, unless otherwise specified or approved by Engineer.

Whenever, by the judgment of Engineer, it may be necessary to omit the continuous spray method, a covering of clean sand or other approved means such as wet gunny bags which will prevent loss of moisture from the concrete, may be used. No type of covering will be approved which would stain or damage the concrete during or after the curing period. Covering shall be kept continuously wet during the curing period.

For curing of concrete in pavements, side-walks floors, flat roofs or other level surfaces, the ponding method of curing is preferred. The method of containing the ponded water shall be approved by Engineer. Special attention shall be given to edges and corners of the slabs to ensure proper protection to this area. The ponded area shall be kept continuously filled with water during the curing period. Surface coating type compounds shall be used only by special permission of Engineer, curing compounds shall be liquid type white pigmented. Other curing compounds shall be used on surfaces where future blending with concrete, water or acid proof membrane or painting is specified.

All equipment and materials required for curing shall be on hand and ready for use before concrete is placed.

• FORM WORK

General- The formwork shall consist of shores, bracings, sides of beams and columns, bottom of slabs, etc., including ties anchors, hangers insert, etc., complete which shall be properly designed and planned for the work. False work shall be so constructed that necessary adjustment can be made to compensate for take up and settlements. Wedge may be used at the top or bottom of timber shores but not at both ends to facilitate vertical adjustment or dismantling of the formwork.

Type of formwork - Formwork may be of timber, plywood, metal, plastic or concrete. For special finishes the formwork may be lined with plywood, steel, sheets, tempered hard board, etc. Sliding forms and slip forms may be used with the approval of Engineer.

Form work requirements - Forms shall conform to the shapes, lines, grades and dimensions including camber of the concrete as called for on the drawings. Ample studs, braces, ties, straps, etc., shall be used to hold the forms in proper position without any distortion whatsoever until the concrete is set sufficiently to permit removal of forms. Forms shall be strong enough to permit the use of immersion vibrators. In special cases form vibrators may also be used. The shuttering shall be close boarded. Timber shall be well seasoned, free from sap, shakes, loose knots, worm holes, warps or other surface defects in contact with concrete. Faces coming in contact with the concrete shall be free from adhering grout, plaster, paint, projecting nails, splits or other defects. Joints shall be sufficiently tight splits or other defects. Joints shall be sufficiently tight to prevent loss of water or any fine material from concrete.

Plywood shall be used for exposed concrete surfaces; where called for. Sawn and wrought timber may be used for unexposed surfaces. Inside faces of forms for concrete surfaces which are to be rubbed finished shall be planned to remove irregularities or unevenness in the face. Formwork with linings shall be permitted.

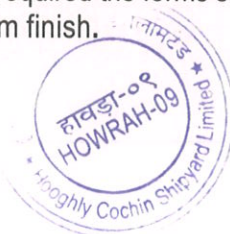
All new and used form timber shall be maintained in a good condition with respect to shape, strength, rigidity, water tightness, smoothness and cleanliness of surfaces. Form timber unsatisfactory in any respect shall not be used and if rejected by Engineer shall be removed from the site.

Formwork, during any stage of construction showing signs of distortion or distorted to such a degree that the intended concrete work will not conform to the exact contours indicated on the drawings, shall be repositioned and strengthened. Poured concrete affected by the faulty formwork, shall be removed completely and the formwork be corrected prior to placing of new concrete.

Excessive construction camber to compensate for shrinkage, settlement may impair the structural strength of members and shall not be permitted.

Forms shall be so designed that their removal will not damage the concrete. Face formwork shall provide true vertical and horizontal joints, conform to the architectural features of the structure as to location of joints and be as directed by engineer.

Where exposed smooth or rendered concrete finishes are required the forms shall be constructed with special care so that the resulting concrete surfaces require a minimum finish.



Rahman

✓ **LIST OF APPROVED MAKES (Use of Equivalent requires prior approval of EIC)**

| | | |
|----|---------------------|--|
| 1. | Cement | Ultra Tech, Ramco, ACC, India Cements, Dalmia, Ambuja, Vikram, JSW Cement etc. or any other approved brand |
| 2. | Built up Sections | Tata, Vizag, SAIL, Jindal Steel & Power Ltd , ESSAR, Apollo |
| 3. | Reinforcement Steel | Tata, Vizag, SAIL, TISCO, IISCO, RINL , Jindal Steel and Power Ltd, JSW Steel Ltd |



Signature and Seal of the Bidder(s)

For Hooghly CSL

Self-Declaration to be given by the bidder in Letter head

Bid's Reference No. & Date:

Bidder's Name & Address:

Person to be contacted:

Designation:

Telephone No.:

Fax No.:

Email:

1. We do hereby declare that we have not been debarred/black listed by HOOGHLY CSL or by any of the Public Sector Undertaking or Government department etc.
2. If HOOGHLY CSL finds that, we have been blacklisted/debarred by any of the Public Sector Undertaking or Government department, and then HOOGHLY CSL can reject the offer or terminate the contract at any point of time. In such case, we are aware that, security deposit, performance guarantee etc will be forfeited by HOOGHLY CSL. Further we are confirming herewith that, any loss that has happened to HOOGHLY CSL due to this will be compensated by us.

For and on behalf of the firm

(Firms Name & Address)

(Signature of Authorized Signatory)

Name:

Designation

Phone No.:

Seal:

Date:

Place:.....

Acceptance of the Terms & Conditions by the Tenderer

(To be given in the Letter Head of Contractor/Contractor)

1. I/We have understood clearly the Specifications, scope of materials, scope of work, General, Specific and Commercial Terms and Conditions of the Tender. I shall scrupulously abide by the same.
2. I/We have understood clearly that this is a supply/ installation/testing/commissioning work, for which I am/we are required to quote unite price + GST as applicable.
3. I/We certify that to the best of my /our knowledge the particulars furnished above is true.

(Signature with company seal)

For and on behalf of the company

Name & Designation of Signatory.

POWER- OF-ATTORNEY

(ON THE LETTER HEAD OF THE COMPANY)

To
Chief Executive Officer

Administrative Building, HOOGHLY CSL Premises,
Satyen Bose Road, P.O.- Danesh Shaikh Lane,
Nazirgunge, Howrah, West Bengal 711109.

Dear Sir,

We _____ do hereby confirm that
Mr./Ms. _____ (Name and Address) is /are authorized to represent us to bid,
negotiate and conclude the agreement on our behalf with you against Tender No. _____

We confirm that we shall be bound by all and whatsoever our said agents shall commit.

Yours faithfully,

Signature:

Name & Designation:

For & on behalf of: Signature, name and seal of the certifying authority

Security Instructions and HSE Guidelines**Security Instructions**

1. All contractors and their personnel are bound to comply with the security instructions/ orders of the Shipyard issued from time to time.
2. Movements of all persons entering through the Gate should be recorded at the Gate.
3. 100% checking and frisking of all contractors/contract workmen entering into the yard will be done
4. All vehicles carrying materials shall have material entry pass. Such material carrying vehicles shall be permitted entry to the Factory Area on production of material pass. All contractors and their workmen shall keep personal vehicles in the designated parking area.
5. All persons engaged for various works in the Yard through contractors should produce any of the following documents for entry at Site.

Attested copy of any of the documents mentioned below:

- a) Photo identity card issued by government bodies
- b) Electoral identity card with clear photo and address particulars
- c) Driving license with photo and address particulars
- d) Passport/ attested copy of passport with photo and address particulars

HSE Guidelines

Occupational Health, Safety & Environmental requirements of Hooghly Cochin Shipyard Ltd. shall include the following:

1. The contractor (or a sub- contractor performing work on behalf of the contractor) is deemed to comply with the occupational health, safety and environmental policy of the company and also to all operational controls/standard operating procedures and shall undertake the work in total compliance with the HSE requirements of the Yard.
2. The contractor shall undertake the work in total compliance with all applicable legal /statutory requirements related to occupational health, safety and environment effective in Kolkata, in the state of West Bengal.
3. It is the sole responsibility of the contractor to assure that any subcontractors who shall perform works in company lands/facilities/worksites on behalf of the contractor, is also following all HSE requirements of the company and the health/safety/environmental rules effective in the state.
4. The contractor shall provide/implement and operate/practice all occupational health, safety and environmental management measures/facilities for their period of contract, in their activities/at their work sites, which shall be required by the health safety environmental rules established and effective in the state, at their own cost.
5. If any contractor failed to comply with or violated any clauses/requirements of occupational health, safety and environmental rules effective in the state, in their activities or at work sites and the same shall be exposed to the government or any competent authorities upon inspections, the contractor shall solely be responsible for all liabilities caused by his/her action and shall be responsible for paying the penalty and taking the stipulated corrective actions insisted by the authorities within the specified time, at their own cost. Any liability to the company in this regard needs to be compensated by the contractor.
6. Upon the completion of the work, contractor shall clear the area and shall not leave any occupational health/safety/environmental liabilities to the company, from their activities at the worksites.
7. Lifting appliances should be fixed and securely anchored.
8. Any clarification related to HSE requirements of the yard, may be obtained by the contractor from the authorized representative of the contract, prior to the commencement of work.

VENDOR DETAILS (to be submitted along with TECHNICAL BID)

| | | |
|---|---|---|
| 1 | Name of Bidder/Firm | |
| 2 | Registered office Address of Company/firm in Kolkata/Howrah: Local office address at Kolkata/Howrah (if held): | |
| 3 | Telephone No./Fax No./Mobile No: | |
| 4 | E-mail address: | |
| 5 | Names of the contact person & Designation: | 1) 2) 3) |
| 6 | Type of Entity- Pro-prietorship / Partnership firm/company/NSIC/MSME Category etc. (Please attach registration certificate of Firm/Partnership agreement/proprietorship documents) | |
| 7 | Cost of Tender Details (DD No. Name of Bank) | |
| 8 | PAN Card Number (Self-attested copy of PAN card has to be Submitted) GST Registration No. (Self-attested copy has to be Submitted) | |
| 9 | Whether the agency has been blacklisted/de barred or given tender holiday or contract terminated before expiry of the contract period by any govt. autonomous bodies/organizations where bidder has provided services earlier due to deficiencies in service or misconduct etc. | Yes/No (Please tick as applicable) If yes, please furnish details on a separate sheet |

- Certified that the above information is true to the best of our belief and information.

Place:

Date:

Signature of Supplier/Authorized signature of firm/agency:

Name of Supplier or authorized signatory of firm/agency:

Designation:



HOOGHLY COCHIN SHIPYARD LIMITED

A wholly owned Subsidiary of Cochin Shipyard Limited,

A Government of India Enterprise under Ministry of Ports, Shipping and Waterways

Site Visit Slip

I,, authorized representative

of.....address:.....

..... Visited the site

on and understand the work completely related to “IMPROVEMENT & INFRASTRUCTURE

DEVELOPMENT AROUND HOOGHLY CSL PREMISES AT NAZIRGUNGE, HOWRAH FOR COMMUNITY GOOD; PHASE 1: ROAD

WIDENING & RE-CONSTRUCTION OF ROAD BOUNDARY WALL WITH GATES ON BOTH SIDES”.

Stamp and Signature of the bidder,

Signature of Hooghly CSL Official

CHECK LIST

Bidder should compulsorily fill this check list and ensure that all details / documents as mentioned in the Tender Document is submitted along with their bid. Please Put Yes or No (Y/N) in the box and ensure compliance and specify the page no. of bid submitted.

| Sl. No. | Item | Check Box (Yes/No) | Page No of Bid Document |
|---------|---|--------------------|-------------------------|
| 1 | Submitted Duly filled power of attorney in favour of signatory of bid documents | | |
| 2 | Submitted techno-commercial tender & Financial tender in separate closed envelopes | | |
| 3 | Attestation by authorized representative of bidder in all pages of tender document | | |
| 4 | Submitted un-priced Bill of Quantities in techno-commercial bid | | |
| 5 | Submitted Undertaking regarding acceptance of terms & conditions mentioned in the tender documents | | |
| 6 | Submitted Details of Annual Turnover Statement along with Audited Balance Sheet and Profit & Loss account for financial years 2022-23, 2023-24, 2024-25 (last 03 financial years) | | |
| 7 | Submitted site visit slip as per Annex-10 | | |
| 8 | Submitted details of similar works executed | | |
| 9 | Submitted PAN, GST, EPF, ESIC details | | |
| 10 | Submitted undertaking regarding conducted Detailed site visit and evaluation and accordingly all required information and data have been collected. | | |

Signature & Seal of the Bidders(s)

Annexure-11

PRICE BID

| SL. NO. | ITEM DESCRIPTION | QTY | UNIT | RATE | TOTAL AMOUNT WITHOUT GST |
|---------|--|---------|---------|------|--------------------------|
| 1 | Clearing jungle with JCB & manpower including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared. | 2.50 | per day | | |
| 2 | Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m. Ordinary rock | 21.00 | Cum. | | |
| 3 | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level. PCC 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources) | 4.00 | cum. | | |
| 4 | Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete | 60.00 | sq.m. | | |
| 5 | Providing and laying in position specified grade of reinforced cement concrete , excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level. 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources). | 9.00 | Cum. | | |
| 6 | Supplying Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Grade of bars Fe - 500D or more. | 1050.00 | kg | | |
| 7 | Demolishing of building manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. | 1.00 | LS | | |
| 8 | Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand) | 40.00 | Cum. | | |
| 9 | Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement : 4 coarse sand) | 100.00 | sq.m. | | |
| 10 | 15 mm cement plaster of mix 1:4 (1 cement: 4 fine sand) | 800.00 | sq.m. | | |
| 11 | Finishing walls with Acrylic Smooth exterior paint of required shade: New work (Two or more coat applied @ 1.67 ltr/10 sqm over and | 800.00 | sq.m. | | |

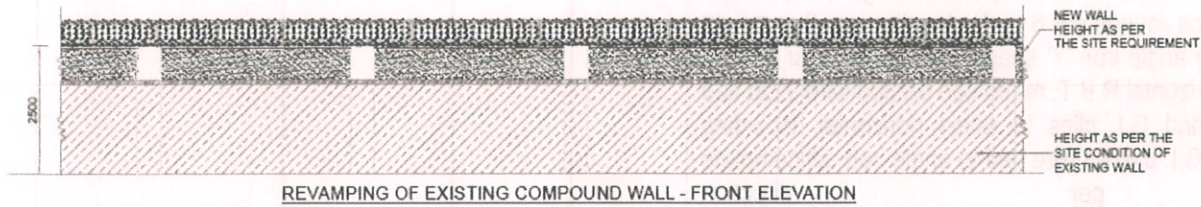
| | | | | | |
|----|---|---------|-------|-----------------------|--|
| | including priming coat of exterior primer applied @ 0.90 litre/10 sqm) | | | | |
| 12 | Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work | 120.00 | sq.m. | | |
| 13 | Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately) | 150.00 | m. | | |
| 14 | Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire weighing 9.38 kg per 100 m (minimum), between the two posts fitted and fixed with G.I. staples, turn buckles etc. complete. (Cost of posts, struts, earth work and concrete work to be paid for separately). Payment to be made per metre cost of total length of barbed wire used. With G.I. barbed wire | 150.00 | m. | | |
| 15 | Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works | 675.00 | kg | | |
| 16 | Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes | 1900.00 | kg | | |
| | | | | Total Amount - | |
| | | | | 18% GST - | |
| | | | | GRAND TOTAL - | |



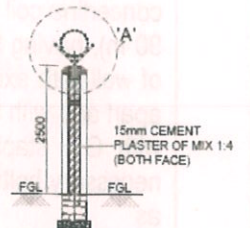
Signature & Seal of Bidder(s)

Annexure-12

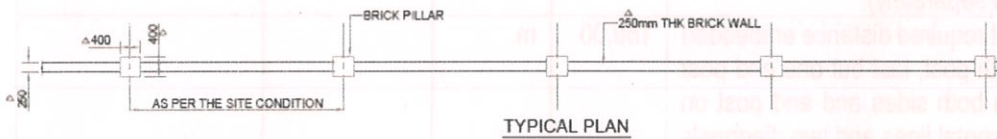
TENDER DRAWING



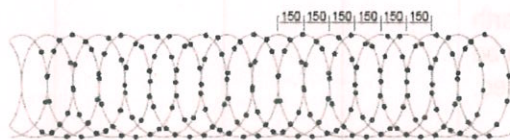
REVAMPING OF EXISTING COMPOUND WALL - FRONT ELEVATION



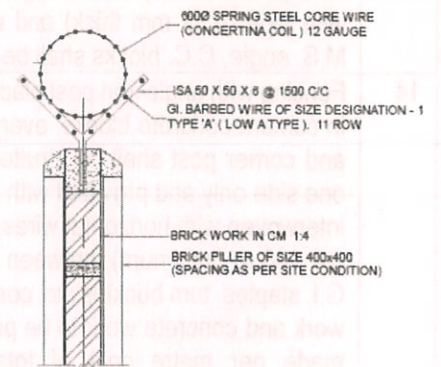
TYPICAL CROSS SECTION OF COMPOUND WALL



TYPICAL PLAN



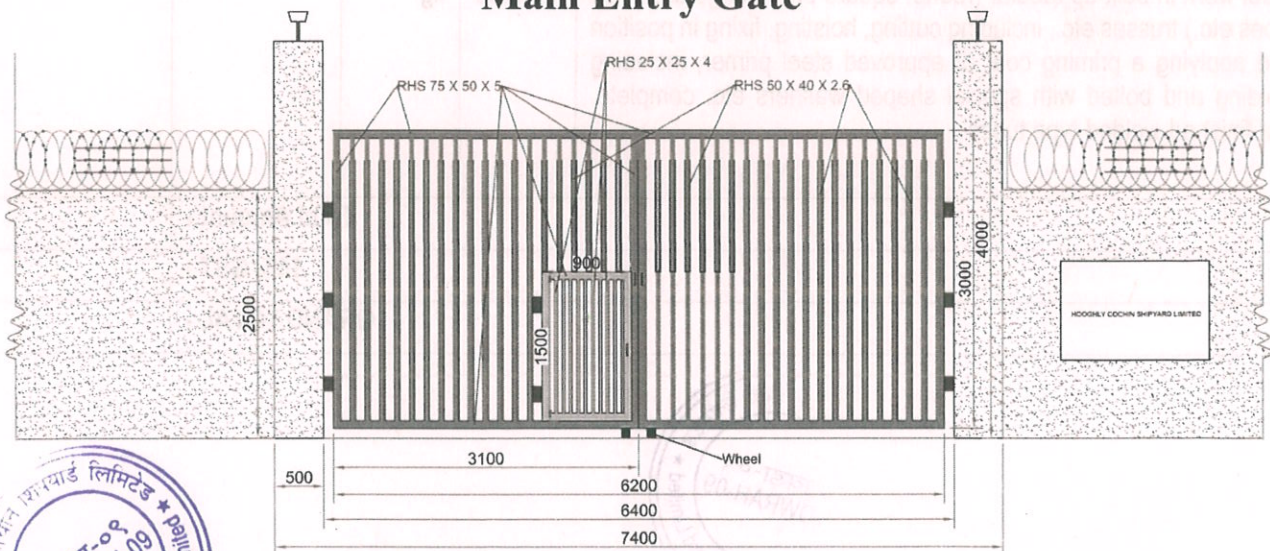
(CONCERTINA COIL) 12 GAUGE



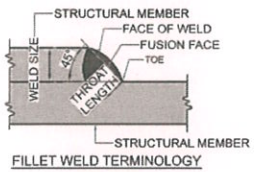
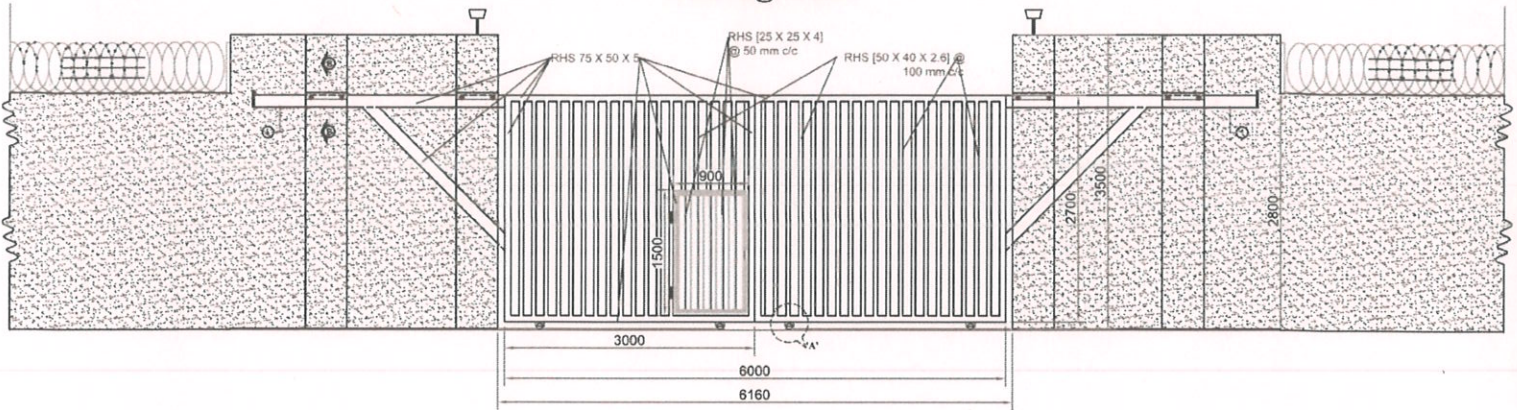
NOTE:

1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS
2. ONLY WRITTEN DIMENSIONS SHOULD BE FOLLOWED
3. ± 0.00 LVL. CORRESPONDS TO FINISHED GROUND LEVEL
4. EXTERIOR PAINT DETAILS WILL BE PROVIDED SUBSEQUENTLY

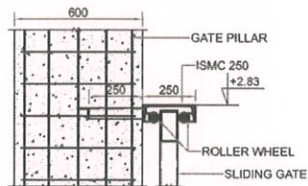
Main Entry Gate



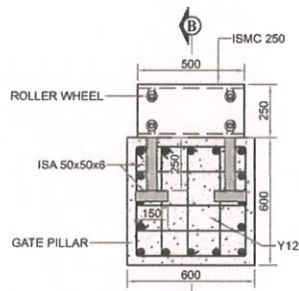
Sliding Gate



FILLET WELD TERMINOLOGY



SECTION B - B



PLAN
TYP. DETAILS OF ROLLER SYSTEM

