



GOVERNMENT OF INDIA
MINISTRY OF PORTS, SHIPPING & WATERWAYS
ANDAMAN LAKSHADWEEP HARBOUR WORKS
SRI VIJAYA PURAM

TENDER No. ALHW/DCE(A)/EE(NS)/Tend-03/2026-27

TENDER FOR Routine maintenance of vehicle ferry jetty at Chatham for the year 2026-27.

All the mandatory documents should be digitally signed prior uploading with respect to Office letter No. ALHW/TECH/PLG-23(06)/2016/2947 Dated. 02.11.2021 followed by notice No. DCE-(A)/ALHW/DB/GL-120/2018-19/Vol.I/3232 dated. 26.11.2021

Note: Necessary guideline has been attached in this link in our website
: <http://andssw1.and.nic.in/alhw-Forms-download-Guidelines> for fill e-sign in PDF Document.

Through e-Tendering Mode

Estimated Cost (In Rs.)	:	Rs. 366,274.00
	:	
EMD	:	Rs. 7,325.00
Cost of Tender	:	Nil
Last Date & Time for online submission of Bid	:	23.05.2026 up to 1500 Hrs.
TIME & DATE OF OPENING OF TECHNICAL	:	25.05.2026 @ 1500 Hrs.
TIME & DATE OF OPENING OF PRICE BID	:	After evaluation of Technical Bid

NOTICE INVITING ONLINE TENDERS

NOTICE INVITING e- TENDERS

The EXECUTIVE ENGINEER (C),N & S Division, ALHW, SRI VIJAYA PURAM on behalf of the President of India invites online Item Rate bids from registered and eligible Govt. Enlisted contractor of ALHW as well as non- ALHW contractor having fulfillment of NIT eligibility criteria having executing similar nature of construction/maintenance works and they shall be eligible to tender for works upto the amount permitted by virtue of their enlistment limit and Non ALHW contractors those are having executed the magnitude of single work of 80% of the tender value or two works of 60% of tender value or three works of 40% of the tender value. for the following work:-

TENDER No.	ALHW/DCE(A)/EE(NS)/Tend-03/2026-27
Name of work:	Routine maintenance of vehicle ferry jetty at Chatham for the year 2026-27.
Estimated Cost	Rs. 366,274.00
Earnest Money	Rs. 7,325.00
Period of Completion	12 (Twelve) Months.
Cost of Tender Document	Nil
Eligibility Criteria	Applicable for ALHW Enlisted as well as non- ALHW contractor having fulfillment of NIT eligibility criteria .
PERIOD OF DOWNLOADING BIDDING DOCUMENT	From .09.05.2026 to 21.05.2026
START DATE & TIME FOR ONLINE SUBMISSION	: 09.05.2026 from 1000 Hrs.
Clarificateion start date	: 09.05.2026 rom 0930 Hrs
Clarificateion end date	: 22.05.2026 up to 1600 hrs
LAST DATE & TIME FOR ONLINE SUBMISSION OF BID	: 23.05.2026 up to 1500 Hrs.
TIME & DATE OF OPENING OF TECHNICAL BID	: 25.05.2026 @ 1500 Hrs.
TIME & DATE OF OPENING OF PRICE BID	: After evaluation of Technical Bid
The Tender forms and other details can be obtained from the Web Site	: https://eprocure.gov.in

Tender No.

ALHWDCE(A)/EE(NS)/Tend-03/2026-27

NOTICE INVITING TENDER

Name of work :- Routine maintenance of vehicle ferry jetty at Chatham for the year 2026-27.

SL.No.	Description	Page No.
2	NIT Details	1-2
1	Index	3
3	Terminology	4
4	PART -A	5
5	Notice Inviting Tender (CPWD-6)	6-12
6	Affidavit & Calculation of bidding capacity	'13
7	Schedules (A to F)	14-18
8	Form of Bank Guarantee Bond for performance Security	19-20
10	PART-B	21
11	General & Special conditions	22 - 37
12	PART -C	38
13	Bill of Quantity	39-41

Certified that this N.I.T amounting to Rs. Rs. 366,274.00 contains 41 pages only chronological order.

D'Man

Assistant Engineer(DB)

Approved

Executive Engineer(C), N&S Division.



Hkkirjtdki@GOVERNMENT OF INDIA

पत्तन, पोतपरिवहनजीलक्षद्वीपसंस्थान / MINISTRY OF PORTS, SHIPPING AND WATERWAYS

उप मुख्य अभियंता (अंडमान) कार्यालय / OFFICE OF THE DEPUTY CHIEF ENGINEER (ANDAMAN)

अंडमान लक्षद्वीप बंदरगाहसंस्थान / ANDAMAN LAKSHADWEEP HARBOUR WORKS

डाकपेटा संख्या 309/POST BOX NO.309

पोस्टबोक्स नं. 744 101

दूरभाष/Phone :03192-232504

03192.232323

QSDI@Fax :03192-233743

ई-मेल/E-mail:dce1alhw@gmail.com

महोपजम तेजसचरुधरसुधीरकण्ठपदपद्मपदक

डाकपेटा सं०/Post Box No:309

C.P.W.D. FORM – '8', GENERAL CONDITIONS OF CONTRACT 2022

The successful tenderer has to execute the agreement in Form C.P.W.D. – 8 (General Rules and Directions– Conditions of Contract, 2024 and the work should be executed as per the specification of work, terms and conditions stipulated in the tender document and the contractors shall abide and fulfill all the terms and provisions of the said Form C.P.W.D. as well as special conditions and other conditions attached in this Tender Document. Suppose A specimen copy of Form C.P.W.D. – 8 (General conditions of Contract Form-(GCC)) applicable in the works is available in website of CPWD and may be seen from website www.cpwd.gov.in. The terminology in the CPWD Form 8 may be read as follows:

TERMINOLOGY:

Wherever the word happens to be in General Conditions of Contract can be read as follows:

Sl.No	Words	Read As
1	CPWD department	Andaman Lakshadweep Harbour Works (ALHW) department under Ministry of Ports, Shipping and water ways, Govt. of India.
2	Chief Engineer of CPWD zone	Chief Engineer & Administrator, ALHW, Sri. Vijaya Puram
3	Superintending Engineer	Deputy Chief Engineer – (A), ALHW, SRI VIJAYA PURAM,
4	Engineer-in-Charge	Executive Engineer(C), N&S Divison. Andaman Lakshadweep Harbour Works, SRI VIJAYA PURAM, or his authorize representative.
5	CPWD Circle	ALHW Circle, SRI VIJAYA PURAM, South Andaman.
6	Jurisdiction – concerned zone	Jurisdiction – Andaman & Nicobar Islands under Hon'ble Kolkata High Court.
7	District – concerned district	District –South Andaman, Andaman & Nicobar Islands.

CONTRACTOR

Executive Engineer(C), N&S Divison.

PART - A

Tender For **Routine maintenance of vehicle ferry jetty at Chatham for the year 2026-27.**

1.Item rate bids are invited on behalf of President of India from approved and eligible contractors of ALHW for work of

Routine maintenance of vehicle ferry jetty at Chatham for the year 2026-27.

The estimated cost put to tender is ` **Rs. 366,274.00**

- 1 The enlistment of the contractors should be valid on the last date of submission of bids. In case the last date of submission of bid is extended, the enlistment of contractor should be valid on the original date of submission of bids.
- 2 Agreement shall be drawn with the successful 1st lowest bidders on prescribed Form No. CPWD 8 which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in free of cost. Bidders shall quote his rates as per various terms and conditions of the said form which will part of form the agreement.
- 3 The time allowed for carrying out the work will be **12 (Twelve) Months.** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
- 4 (i) The site for the work is available.
- 5 The bid document consisting of specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents including Standard General Conditions of Contract Form can be seen from website <https://eprocure.gov.in/eprocure/app>. in free of cost.
- 6 After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
- 7 While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
- 8 EMD shall be deposited in favour of in favour of Pay and Accounts Officer, ALHW, SRI VIJAYA PURAM, payable at Canara Bank, SRI VIJAYA PURAM, bearing A/c. No. 99003170000130 IFS Code- CNRB0019900, and receipt of online payment is to be uploaded in the said website also.
- 9 Copy of enlistment order and certificate of work experience and other documents as specified in the press notice shall be scanned and uploaded to the e-tendering website within the period of bid submission. Online bid documents submitted by intending bidders shall be opened only of those bidders are found in order. The bid submitted shall be opened at specified date & time.

10 The bid submitted shall become invalid if :

- 10.1 The bidder does not deposit EMD
- 10.2 The bidder does not upload all the mandatory documents (including GST registration) as stipulated in the SI.No.20.
- 10.3 The original instrument towards EMD, Affidavit, Power of Attorney, if any alongwith other mandatory documents shall be submitted by the successful bidder..
- 10.4 If any discrepancy is noticed between the documents as uploaded at the time of submission of bid by the bidder in the office of tender opening authority.
- 10.5 GST, Labour Welfare Cess or any other tax/Cess on materials/work as applicable shall be paid by the contractor himself. The contractor shall quote his rates considering all such taxes. In respect of service tax/GST, same shall be paid by the contractor to the concerned department. No reimbursement in this regard entertained.
- 10.6 The bidder, whose is 1st lowest and his bid is accepted, will be required to furnish performance guarantee of 5% (Five Percent) of the tendered amount within the period specified in Schedule F in the prescribed modified proforma on non-judicial stamp paper of minimum Rs.100/-

This guarantee shall be in the form of Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any Scheduled Bank of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, as per the bid security declaration automatically without any notice to the contractor shall be suspended for one year and shall not be eligible to bid for ALHW tenders from date of issue of suspension order.

- 11 Intending bidders are advised to inspect and examine the site and its Surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or other wise shall be allowed.
- 12 The bidder shall be responsible for arranging and maintaining a this own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work. Intending bidders are also advised to see the list of Mandatory T&P (given in clause 18 under schedule 'F'), list of testing equipment which are mandatory at site (given in clause 10A under schedule F) and list of work which are to be got executed through only specialized agency.
- 13 **The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidder shall be summarily rejected.**
- 14 Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable to rejection.
- 15 The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the bid and the bidder shall be bound to perform the same at the rate quoted.

- 16 The bidder shall not be permitted to bid for works in the ALHW Circle responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazette officer in the ALHW or in the Ministry of Shipping. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
- 17 No Engineer of gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as a foresaid before submission of the or tender engagement in the contractor's service.
- 18 The bid for the works shall remain open for acceptance for a period of seventy five (75) days from the date of opening of technical bids. If any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further, the bidder shall not be allowed to participate in the re-tendering process of the work.
- 19 This notice inviting Tender shall form a part of the contract document. The successful and 1st lowest bidder, on acceptance of his tender by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-
- a) The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time of invitation of tender and subsequent changes in the tender document, and the rates quoted online at the time of submission of bid and acceptance thereof, together with any correspondence leading thereto.
- b) Standard C.P.W.D. Form 8 corrected up to date.
- Note: The contractors already registered on the e-tendering portal will have option to continue by paying tender processing fee upto validity of registration.

20 **MANDATORY DOCUMENTS**

All the mandatory documents should be digitally signed prior uploading with respect to Office letter No. ALHW/TECH/PLG-23(06)/2016/2947 Dated. 02.11.2021 followed by notice No. DCE-(A)/ALHW/DB/GL-120/2018-19/Vol.I/3232 dated. 26.11.2021

Note: Necessary guideline has been attached in this link in our website

:<http://andssw1.and.nic.in/alhw-Forms-download-Guidelines> for fill e-sign in PDF Document.

LIST OF DOCUMENT TO BE UPLOADED UNDER COVER-1: TECHNICAL BID

(The bidders are encouraged to upload the Digitally Signed following list of Documents within the period of tender submission.)

1. EMD shall be deposited in favour of Pay and Accounts Officer, ALHW, SRI VIJAYA PURAM, payable at Canara Bank, SRI VIJAYA PURAM, bearing A/c. No. 99003170000130, IFS Code- CNRB0019900, and scanned copy of receipt of online payment is to be uploaded in the said website also. (Original EMD should reach on or before due date of technical bid at EE (N&S) chamber ALHW, Mohanpura in sealed cover with name of work, tender no. & due date written on the envelope.)
2. Enlistment order of the contractor or Copy of other government department registered order for non- enlisted contractors of ALHW.
3. Certificate of work experience.(as followed as Si.no. 20.1)
- 4 Affidavit as per Clause 1.2.3 of CPWD 6.in non Judicial Stamp paper
5. Certificate of registration for Goods Service Tax.(GST)
6. Registration of contractors with Employees Provident Fund Organisation (EPFO) for Building & other Construction Workers (BOCW) under the EPF & MP Act 1952.
7. Copy of PAN Card.
8. Income Tax Return from last three years (including as followed by sl. No. 20.2 & 20.3)
9. Form 'C'-3 (Calculation of bidding capacity) along with Annual Turnover during the last 7 (Seven) years issued by certified Chartered Accountant (As per Sl. No. 20.3)
10. Non-Submission of any above documents , the submitted bid will be summarily rejected /in valid and no further correspondence entertained.

20.1 **Evolution of tender as per CE&A office circular Vide no. ALHW/TECH/15/1/204-e(344)/1899, dtd:07.10.2024.So, as to create more transparency of tendering system in ALHW.**

Experience of having successfully completed similar nature of works during the last 7 years ending last day of the month previous to the one in which tenders are invited (Applicable for ALHW enlisted as well as non ALHW contractors)

Experience

1. Copy of Experience in similar nature of work as listed below in NIT and also similar to NIT floated work as follows,

a. Three similar works each costing not less than 40% of the estimate cost put to tender. (Rs.1.46Lakhs)

(OR)

b. Two similar works each costing not less than 60% of the estimate cost put to tender. (Rs.2.19Lakhs)

(OR)

c. One similar works costing not less than 80% of the estimate cost put to tender. (Rs.2.93 Lakhs)

(The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to previous day of last day of submission of tenders) (Similar nature of work means maintenance of jetties).

20.2 **Financial Capability : (not applicable for ALHW contractors of appropriate class)**

(i) Turnover :

1. Average **annual financial turnover** on construction works should be at least 30% of the estimated cost put to tender during the Immediate last three consecutive financial years. The value of annual turnover figures shall be brought to current value by enhancing the actual turnover figures at simple rate of 7% per annum.

Profit /Loss

2.The bidder should not have incurred any loss (profit after tax should be positive) in more than two years during available last five consecutive balance sheets (standalone financial statement), duly certified and audited by the Chartered Accountant

3. Banker's Certificate from a Commercial Bank or Net worth Certificate:

Banker's Certificate of the amount equal to 40% of the Estimated Cost put to tender (ECPT), OR Networth certificate of minimum 10% of the estimated cost put to tender issued by certified Chartered Accountant with UDIN.

20.3 **Bidding Capacity: (Applicable for ALHW enlisted as well as Non-ALHW contractors)**

Should have bidding capacity equal to or more than the estimated cost of the work put to tender.

The bidding capacity shall be worked out by the following formula:

Bidding Capacity = $\frac{A}{N} \times 1.5 - B$. Where, A = Maximum turnover in construction works executed in any one year during the last seven years taking into account the completed as well as works in progress. The value of completed works shall be brought to current costing level by enhancing at a simple rate of 7% per annum. N = Number of years prescribed for completion of work for which bids have been invited.

B = Value of existing commitments of ongoing works during the period of execution of work for which bids have been Invited.

Other Conditions are at par with CPWD guidelines Issued from time to time.

Instructions to the Bidders

1 The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.

2 Information and instructions for bidders posted on website shall form part of bid document.

3 The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <https://eprocure.gov.in>

4 Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.

5 List of Mandatory Documents to be scanned and uploaded within the period of bid submission:

6 EMD shall be deposited in favour of Pay and Accounts Officer, ALHW, SRI VIJAYA PURAM, payable at Canara Bank, SRI VIJAYA PURAM, bearing A/c. No. 99003170000130, IFS Code- CNRB0019900, and scanned copy of receipt of online payment is to be uploaded in the said website also. (Original EMD should reach on or before due date of technical bid at EE (N&S) chamber ALHW, Mohanpura in sealed cover with name of work, tender no. & due date written on the envelope.)

7 Contractor can upload documents on the form of JPG format and PDF format.

8 The intending bidder must have class-III/ II digital signature to submit the bid.

The Bid Documents as uploaded can be viewed and downloaded free of cost by any one including intending bidder. But the bid can only be submitted after uploading the mandatory scanned documents.

The bid documents as uploaded can be viewed and downloaded free of cost by any one including intending bidder. But the bid can only be submitted after uploading the mandatory scanned documents such as Demand Drafft/Pay order or Banker Cheque/bank Gurantee of any Schedule Bank towards EMD in favour of Pay and Accounts Officer, ALHW, SRI VIJAYA PURAM, bearing A/c. No. 99003170000130, IFS Code- CNRB0019900 and copy of receipt of EMD and other documents as specified in the press notice.

A. Contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appears in pink colour and the moment rate is entered, it turns sky blue. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank, the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (Zero)

9 Tenderer can upload documents in the form of JPG format and PDF format.

Executive Engineer(C), N&S Division.

GOVERNMENT OF INDIA
Andaman Lakshadweep Harbour Works

STATE Andaman & Nicobar Islands. CIRCLE : DCE - A

BRANCH Civil DIVISION : North & South

ZONE : South Andaman

Item Rate Bid & Contract for Works

Bid for the work of:- Routine maintenance of vehicle ferry jetty at Chatham for the year 2026-27.

(i) To be uploaded on line from 09.05.2026 from 1000 Hrs. on ALHW
web site to Executive Engineer(C),N&S Division, ALHW, SRI VIJAYA PURAM.

(ii) To be opened in presence of bidders or their representatives who may be present at
25.05.2026 @ 1500 Hrs. in the office of Executive Engineer(C), N&S Division, ALHW, SRI VIJAYA PURAM

Executive Engineer(C), N&S Division.
ALHW, SRI VIJAYA PURAM,
Andaman- 744 101.

I/We have read and examined the notice inviting tender, schedule, A, D, E & F Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the bid document for the work.

I / We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause-11 of the Conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for seventy five (75) days from the date of opening of financial bid and not to make any modifications in its terms and conditions.

A sum of Rupees mentioned above will be submitted in deposit at call receipt of a scheduled bank / fixed deposit receipt of a scheduled bank/demand draft of a scheduled bank / bank guarantee issued by a scheduled bank as earnest money physically by me/us in case I/we become the lowest tenderer within a week of the opening of financial bid otherwise department may reject the tender and also take action to withdraw my/our enlistment. If I/We fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that President of India or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said performance guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. Further, I/We agree that in case of for feature of earnest money or Performance Guarantee as aforesaid, I/We shall be debarred for participation in the retendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to notice of department, then I shall be debarred for tendering in ALHW in future forever. Also, if such a violation comes to the notice of the department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire Earnest Money Deposit/Performance Guarantee.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State/

Dated,
Witness
Address:
Occupation:

Signature of Contractor
Postal Address

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the President of India for a sum of Rs.....

(Rupees.....)

The letters referred to below shall form part of this contract Agreement: -

- *
- *
- *

For & on behalf of the President of India.

Signature :

Dated:

Designation:

Executive Engineer(C),
NS Division, ALHW, SRI VIJAYA PURAM
Andaman- 744 101

Name of work : **Routine maintenance of vehicle ferry jetty at Chatham for the year 2026-27.**

Affidavit as per para 1.2.3 of CPWD – 6 in non judicial stamp paper

I / We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back-to-back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for tendering in ALHW in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee. (Scanned copy of this affidavit to be uploaded at the time of submission of bid)

Signature of the Contractor : _____

Name of Contractor : _____

FORM 'C'-3

**Calculation of bidding capacity
details of existing commitments and ongoing works**

S. No.	Name of work/project and location	Owner or sponsoring organization	Contract value in crore of rupees	Date of commencement as per contract	stipulated date of completion	Upto date percentage progress of work	Remaining work in percentage (100-column 7)	Existing commitment column 4 x Column 8/100	Name and address/telephone number of office to whom reference may be made	Remarks
1	2	3	4	5	6	7	8	9	10	11

Total (B) =
 Maximum turnover in last seven years' = Rs.
 Updated value of turnover (A) = Rs.
 No. of years (N) =
 Bidding Capacity = [A x N x 1.5]-B}

Certificate

I certify that all the awarded and ongoing works have been included in the above list

(Signature of Bidder(s))

MA OF SCHEDULES**SCHEDULE 'A'**

Quantities (as per PWD-3)

As per sheets attached BOQ

SCHEDULE 'D'

Extra schedule for specific requirements/document for the work, if any:

SCHEDULE 'E'Reference to General Condition of contract with **GCC of CPWD works 2023 with Amendments modified up to date for Construction & Maintenance Works.** corrections Upto date on www.cpwd.gov.in

Name of Work:	Routine maintenance of vehicle ferry jetty at Chatham for the year 2026-27.	
Estimated cost of the work ₹	366,274.00	
Earnest money ₹	7,325.00	
Performance Guarantee	5% of the tendered value	
Security Deposit	2.50% of tendered value	

SCHEDULE 'F'**rules and direction:-**

Officer inviting tender	Executive Engineer (C),N&S Division, ALHW, SRI VIJAYA PURAM		
Applicable Mode of EPC Contract	:	Mode-I/II/III	Open option to be kept by NIT-approving authority
Type of Building	:	Permanent or Semi Permanent	One option to be kept by NIT-approving authority
List of approved construction technologies	:	As per Table 1A/1B/2 of OM No. 17/SE(TAS)/BMTPC/2022/105-H dated. 24.03.2022 amended from time to time	One option of appropriate table to be kept by NIT approving authority and also attach a copy of the OM alongwith amendments, if any with NIT.

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3

Definitions:

2(v)	Engineer-in-Charge	Executive Engineer (C),N&S Division, ALHW, SRI VIJAYA PURAM
2(viii)	Accepting Authority	Executive Engineer(C),N&S Division
2(x)	Percentage on cost of materials and labour to cover all overheads and profits	15%
2(xi)	Standard Schedule of Rates:	CPWD/ALHW
2(xii)	Department:	Andaman Lakshadweep Harbour Works

9(ii) Contract Form:

- Clause 1**
- i) Time allowed for submission of Performance Guarantee, programme chart (Time and progress)and applicable labour licenses , registration with EPFO, ESIC and BOCW welfare board or proof of applying there offrom the date of issue of letter of acceptance 15 Days
 - ii) Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above 7 Days

Clause 2 Authority for fixing Compensation under clause 2 Deputy Chief Engineer (A), ALHW, SRI VIJAYA PURAM

Clause 5 Number of days from the date of issue of letter of acceptance for reckoning date of start Mile stone(s) as per table given below. 22 Days

Sl.No.	Description of Milestone (Physical)	Time allowed in days (from date of start)	Amount to be with-held in case of non achievement of mile stone
1	As per Schedule	12 (Twelve) Months.	NA

Time allowed for execution of Work 12 (Twelve) Months.

Authority to decide Extension of time **Executive Engineer (C),N&S Division, ALHW, SRI VIJAYA PURAM
Or superior Authority thereof**

Rescheduling of mile stone **Executive Engineer (C), NS Division ,ALHW, SRI VIJAYA PURAM
Or superior Authority thereof**

(iii) Shifting of date of start in case of delay in Executive Engineer(C),N&S Division, ALHW, SRI VIJAYA PURAM

PROFORMA OF SCHEDULES Clause 5 schedule of handing over of site.

Part	Portion of site	Description	Time priod for handing over reconed from date of issue of letter of intent.
Part A	Portion without any hindrance	As applicable	7 days
Part B	Portion with encumbrances		
Part C	Portions depends on work of other agencies.		

Clause-5 Applicable clause-5/clause-5A Applicable

Clause 7 Gross work to be done together with net payment/adjustment of advances fro material collected, if any, since the last such payment for being eligible to interim payment. **: Rs. 30522.83**

Clause 7A :	Whether Clause 7A shall be applicable	:	Applicable
Clause 10A	List of testing equipment to be provided by the contractor at site lab.	:	NA
Clause 10 B (ii)	Whether clause 10-B(ii) and 10-B(iii) shall be applicable	:	NA
Clause 10C	Component of labour expressed as percentage of value of work	:	NA
Clause 10 CC Applicable/ Not Applicable	Schedule of component of other Materials, Labour etc. for price escalation Component of civil (except materials covered under clause 10CA) /Electrical construction	:	NA
			Xmnil..... % Y%
	value of work. - Component of Labour - expressed as percent of total value of work.		
	Note : Xm% should be equal to (100) - (materials covered under clause 10CA i.e. Cement, Steel, POL and other material specified in clause 10CA + Component of Labour)		
Clause 11	Specification to be followed for execution of work :	:	BIS/ISI, CPWD specifications 2024 Volume I and II, modified /corrected up to date for construction of maintenance civil works/ marine works ALHW specifications, and general conditions and additional specifications as attached.
Clause 12	Authority to decide deviation upto 1.5 times of tendered amount.		Deputy Chief Engineer-(A)
12.2 & 12.3	Deviation limit beyond which clause 12.2 & 12.3 shall apply for building work		100%
12.5 i)	Deviation limit beyond which clause 12.2 & 12.3 shall apply for foundation work. (except items mentioned in earth work subhead in DSR and related items)		100%
ii)	Deviation limit for items in earth work subhead of DSR or related item		NA
Clause 16	Competent Authority for Deciding reduced rates:		Deputy Chief Engineer (A), ALHW, SRI VIJAYA PURAM

Clause 18	List of mandatory machinery, tools & plants to be deployed by the contractor at site.	As per requirement of work.
Clause 19 C	Authority to decide penalty for each default.	Executive Engineer(C), N&S Division, ALHW, Sri Vijaya Puram
Clause 19 D	Authority to decide penalty for each default.	Executive Engineer(C), N&S Division, ALHW, Sri Vijaya Puram
Clause 19 G	Authority to decide penalty for each default.	Executive Engineer(C), N&S Division, ALHW, Sri Vijaya Puram
Clause 19 K	Authority to decide penalty for each default.	Executive Engineer(C), N&S Division, ALHW, Sri Vijaya Puram

Clause 25
Constitution of Dispute Redressal Committee(DRC)

SI.No.	Description of DRC	Claim upto 25 lacs	Claim above 25 lacs
	Chairman	Committee will be formed as per applicability	
	Member		
	Member		

Form of Bank Guarantee for Earnest Money Deposit /Performance Guarantee/Security Deposit/Mobilization Advance

**On non-judicial stamp paper of minimum Rs. 100
(Guarantee offered by Bank to ALHW in connection with the execution of contracts)**

1. Whereas the Executive Engineer (name of division), ALHW on behalf of the President of India (hereinafter called "The Government") has invited bids under(NITnumber).....dated.....for..... (name of work)..... The Government has further agreed to accept irrevocable Bank Guarantee for Rs.(Rupees only) valid upto (date)*..... as Earnest Money Deposit from (name and address of contractor)(hereinafter called "the contractor") for compliance of his obligations in accordance with the terms and conditions of the said NIT.
OR**

Whereas the Executive Engineer (name of division), ALHW on behalf of the President of India (hereinafter called "The Government") has entered into an agreement bearing number..... with(name and address of the contractor) (hereinafter called "the Contractor") for execution of work (Name of work)..... The Government has further agreed to accept an irrevocable Bank Guarantee for Rs. (Rupees only) valid upto (date)..... as Performance Guarantee/Security Deposit/Mobilization Advance from the said Contractor for compliance of his obligations in accordance with the terms and conditions of the agreement.

2. We,(indicate the name of the bank)(herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs. (Rupees.....only) on demand by the Government within 10 days of the demand.

3. We,(indicate the name of the Bank), do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.(Rupeesonly)

4. We,(indicate the name of the Bank), further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any Court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.

5. We,(indicate the name of the Bank), further agree that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said Contractor or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. We,(indicate the name of the Bank), further agree that the Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.

7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.

8. We,(indicate the name of the Bank), undertake not to revoke this guarantee

except with the consent of the Government in writing.

9. This Bank Guarantee shall be valid up to unless extended on demand by the Government.

Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs.

.....(Rupees only) and unless a claim in writing is lodged with us within the date of

expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Date

Witnesses:

1. Signature.....
Name and address

Authorized signatory
Name

Designation
Staff code no.

2. Signature
Name and address

Bank seal

*Date to be worked out on the basis of validity period of 90 days where only financial bids are invited and 180 days for two/three bid system from the date of submission of tender.

**In paragraph 1, strike out the portion not applicable. Bank Guarantee will be made either for earnest money or for performance guarantee/security deposit/mobilization advance, as the case may be.

*Date to be worked out on the basis of validity period of 6 months from last date of receipt of tender.

To,
Intending Bidders,
.....,
.....

Sub: NIT No. ALHW/DCE(A)/EE(NS)/Tend-03/2026-27 for the work of

Routine maintenance of vehicle ferry jetty at Chatham for the year 2026-27.

Dear Sir,

It is here by declared that ALHW is committed to follow the principle of transparency, equity and competitiveness in public procurement.

The subject Notice Inviting Bid is an invitation to offer made on the condition that the Bidder will sign the Integrity Agreement, which is an integral part of tender/bid documents, failing which the bidder will stand disqualified from the bidding process and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the ALHW

Yours faithfully

Executive Engineer(C),N&S Division, ALHW, SRI VIJAYA PURAM
ALHW, SRI VIJAYA PURAM- 744 101.

PART-B
**GENERAL CONDITIONS OF
CONTRACT FOR CENTRAL
P.W.D WORKS 2023 FORM
8 IS APPLICABLE**

GENERAL CONDITIONS

All the mandatory documents should be digitally signed prior uploading with respect to Office letter No. ALHW/TECH/PLG-23(06)/2016/2947 Dated. 02.11.2021 followed by notice No. DCE-(A)/ALHW/DB/GL-120/2018-19/Vol.I/3232 dated. 26.11.2021

Note: Necessary guideline has been attached in this link in our website

:<http://andssw1.and.nic.in/alhw-Forms-download-Guidelines> for fill e-sign in PDF Document.

- 1 The contractor shall make his own arrangements for obtaining electric connections if required and make necessary payments directly to the department concerned.
- 2 Other agencies doing works related with this project will also simultaneously execute the works and the contractor shall afford necessary facilities for the same. The contractor shall leave such necessary holes, openings etc. for laying/burying in the work of pipes, cables, conduits, clamps, boxes and hooks for fan clamps etc. as may be required for other agencies. Conduits for electrical wiring/cables will be laid in a way that they leave enough space for concreting and do not adversely affect the structural members. Nothing extra over the agreement rates shall be paid for the same.
- 3 Some restrictions may be imposed by the security staff etc., on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restrictions/instructions and nothing extra shall be payable on this account.
- 4 The building work will be carried out in the manner complying in all respects with the requirements of relevant byelaws of the local body under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-Charge and nothing extra will be paid on this account.
- 5 5. The work of water supply, internal sanitary installations and drainage work etc. shall be carried out as per local Municipal Corporation or such local body-by-laws and the contractor shall produce necessary completion certificate from such authorities after completion of the work.
- 6 . Water tanks, taps sanitary, water supply and drainage pipes, fittings and accessories should conform to byelaws and specifications of the Municipal Body/Corporation where C P W D specifications are not available. The contractor should engage licensed plumbers for the work and get the materials (fixtures/ fittings) tested by the Municipal Body/ Corporation authorities wherever required at his own cost.
- 7 The contractor shall comply with proper and legal orders and directions of the local or public authority or municipality and abide by their rules and regulations and pay all fees and charge, which he may be liable.
- 8 8. The contractor shall give a performance test of the entire installation(s) as per standing specifications before the work is finally accepted and nothing extra whatsoever shall be payable to the contractor for the test.
- 9 9. Any cement slurry added over base surface (or) for continuation of concreting for better bond is deemed to have been in built in the items and nothing extra should be payable (or) extra cement considered in consumption on this account.
- 10 The structural and Architectural drawings shall at all times be properly correlated before executing any work. However, in case of any discrepancy in the item given in the schedule of quantities appended with the tender and Architectural drawings relating to the relevant item, the former shall prevail unless and otherwise given in writing by the Engineer-in-charge.
- 11 The contractor shall take instructions from the Engineer-in-Charge for stacking of materials in any place. No excavated earth or building material shall be stacked on areas where other buildings, roads, services compound walls are to be constructed.
- 12 If as per Municipal / Local body rules the huts for labour are not be erected at the site of work by the contractors, the contractors are required to provide such accommodation as is acceptable to local bodies and nothing extra shall be paid on this account.

- 13 Royalty at the prevalent rates shall have to be paid by the contractor on all the boulders, metals, shingle sand and bajri etc., collected by him for the execution of the work direct to the Revenue authority or authorised agent of the State Government concerned or Central Government.
- 14 15. The Rate for RCC works include cost of concreting in sloped & curved roof, chajjas & beams and no extra rate shall be payable on any account.
16. The Rate for Centering & shuttering under concrete items include cost of centring and shuttering in curves & arches up to 20 degrees.
17. The Contractor should construct proper mortar bands of lean mix with adequate depth & smaller size over the curved roof for flooding with water & proper curing. In case of Arches, wet gunny bags shall be used for a period of two weeks.

ADDITIONAL SPECIFICATIONS

The additional specifications given below are not substitute to C P W D specifications or IS specifications. These shall be read along with C P W D specifications or IS specifications.

A. GENERAL

1. The work shall be carried out using metric dimensions only and shall be measured and paid in metric dimensions. F P S units, if any, mentioned in drawings etc are for guidance only.
2. Wherever any reference to any Indian Standard Specification occurs in the documents relating to this contract the same shall be inclusive of all amendments issued there to or revision thereof if any, up to the date of receipt of tenders.
3. Unless otherwise specified in the schedule of quantities the rates for the various items are for all heights and locations.
4. Unless otherwise specified in the schedule of quantities the rate for the items of the work shall be considered, as inclusive of pumping out or bailing out water, if required, for which no extra payments will be made. This will include water encountered from any source, such as rains, floods, sub-soil water table being high or due to any other cause whatsoever.
5. The tenderer shall study the item description, the relevant drawings and satisfy himself the item of work to be carried.
6. The contractor shall produce the copy of the current validity of the BIS certification of the agency from whom materials was procured by the contractor. BIS marked materials shall also be got tested. The materials and the quantity for which tests to be conducted shall be decided by the Engineer-in-charge.

B. WOOD WORK

1. The timber to be used in the work should be best quality specified.
2. All glass panes used for doors and windows shall be single sheet.

C. RCC WORK:

1. The Mixing of Concrete shall be done in the mechanical mixer. Besides the mixer should also have arrangement for weighing water so that, water cement ratio can be controlled more effectively.

D. ALUMINIUM WORK

1. The aluminium doors, windows, ventilators, fixed glazing etc shall be manufactured as per architectural drawings. Section manufactured by standard manufactures shall be used. The name of the manufacturers shall be got approved from the Engineer – in – charge in advance.
2. The contractor shall submit necessary drawings, based on the architectural drawings supplied to him, indicating the section numbers as per manufacturers catalogue, their unit weight, total weight of each unit, method of jointing the various members including details of hinges, rollers, handles etc to the Engineer – in – Charge for his approval. Only after the drawings are approved the required material shall be procured. The Engineer – in – Charge may modify the drawings and the work should be executed as per the modified drawings.

3. The weight of the doors, windows etc shall be calculated considering the length and weight per unit length of various aluminium members only. The weight of gaskets, glazing, rollers, stoppers etc shall not be considered.

4. The anodic coating of the aluminium section shall be as per the thickness specified in the schedule of quantities. The thickness of anodic coating shall be got tested in a reputed laboratory. Method of sections shall be employed for finding the thickness. The anodic coating shall conform to IS 1868: 1982.

5. The various tests on aluminium sections shall be conducted in accordance with relevant I S codes.

6. The weight of aluminium section shall be least of the following

i) Actual weight per unit length

ii) Weight as mentioned in the catalogue of the manufacturer.

7. The fabricated aluminium sections shall be given a lacquer coating which shall be maintained during the construction period to prevent damage to the aluminium sections. The same shall be cleaned and polished before handing over the building.

8. The doors, windows, ventilators etc shall be provided with glass of specified type and thickness. Weather sealing neoprene gaskets shall be provided while fixing the glass.

9. If the thickness of glass is not mentioned then the same shall be as per C P W D specifications as per area of opening.

10. The sliding shutters of windows shall be provided with superior quality nylon / metal rollers, aluminium stoppers and special type locking arrangements. The arrangements shall be got approved from the Engineer – in – Charge before procuring them.

11. The aluminium sections shall be connected to each other, wherever needed, using extruded aluminium angles of suitable size and thickness not less than 6 MM using stainless steel screws. Such connecting angles shall not be measured for payment.

12. Wherever aluminium doors, windows etc are to be fixed touching the soffit of beams a clear gap of min 6 mm may be left between the bottom of beam and top of aluminium member and the same shall be filled with silicon sealant of approved quality.

The rate shall be for all heights and locations and shall include all material, labour etc unless specified in the item description.

E. EARTH FILLING:

In respect of Item no. --- i.e filling in foundations, plinth and the area wherever required with available earth and earth carted from outside, the rate is inclusive for all lifts and leads of filling and nothing extra shall be payable.

F. STANDARD OF ACCEPTANCE

Standard of acceptance shall be as specified in CPWD Specification 2002 Field laboratory: The contractor shall at his own cost, equip and establish a field laboratory at the site of work with requisite man power for carrying out all mandatory tests for RCC works. The apparatus, instrument and equipment to be provided in the laboratory, is as per the drawings and directions of the Engineer – in – Charge as detailed below

F 1. List of equipments for field testing laboratory

1. Balances

(i) 7 kg to 10 kg capacity, semi-self indicating type – accuracy 10 gm.

(ii) 500 gm capacity, semi-self indicating type – accuracy 1 gm.

(iii) Pan balance – 5 kg capacity – accuracy 10 gm.

2. Ovens-electrically operated, thermostatically controlled up to 110°C – sensitivity 1°C
3. Sieves: as per IS 460 - 1962
 - (i) I.S. sieves – 450 mm internal dia, of sizes 100 mm, 80 mm, 63 mm, 50 mm, 40 mm, 25 mm, 20 mm, 12.5 mm, 10 mm, 6.3 mm, 4.75 mm, complete with lid and pan.
 - (ii) I.S. sieves – 200 mm internal dia (brass frame) consisting of 2.36 mm, 1.18 mm, 600 microns, 425 microns, 300 microns, 212 microns, 150 microns, 90 microns, 75 microns with lid and pan.
- 4 Sieve shaker capable of 200 mm and 300 mm diameter sieves, manually operated with timing switch assembly.
5. Equipment for slump test – slump cone, steel plate, tamping rod, steel scale, and scoop.
6. Dial gauges, 25 mm travel – 0.01 mm/division least count – 2 nos.
7. Graduated measuring cylinders 200 ml capacity – 3 Nos.
8. Enamel trays (for efflorescence test for bricks)
 - a. 300 mm x 250 mm x 40 mm – 2 Nos.
 - b. Circular plates of 250 mm dia – 4 Nos.

F 2. Field Testing Instruments

1. Steel tapes – 3 m
2. Vernier calipers
3. Micrometer screw 25 mm gauge
4. A good quality plumb bob
5. Spirit level, minimum 30 cm long with 3 bubbles for horizontal vertical
6. Wire gauge (circular type) disc
7. Foot rule

Unless otherwise provided in the Schedule of quantities the rates bidden by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the building and nothing extra shall be payable to him on this account. Payment for centering, shuttering, however if required to be done for floor to floor heights greater than 3.5 m. shall be admissible at rates arrived at in accordance with clause-12 of the agreement if not already specified.

2. The contractor shall make his own arrangements for obtaining electrical service connection if required and make necessary payments directly to the department concerned.
3. Other agencies doing works related with this project will also simultaneously execute the works and the contractor shall afford necessary facilities for the same. The contractor shall leave such necessary holes, openings etc. for laying/burying in the work pipes, cables, conduits, clamps, boxes and hooks for fan clamps etc. as may be required for other agencies. Conduits for electrical wiring/cables will be laid in a way that they leave enough space for concreting and do not adversely affect the structural members. Nothing extra over the agreement rates shall be paid for the same.
4. Some restrictions may be imposed by the client department on the working and for movement of labour, materials etc. the contractor shall be bound to follow all such restriction/ instructions and nothing extra shall be payable on this account.
5. (a) The building work will be carried out in the manner complying in all respects with the requirements of relevant by laws of the local body under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-Charge and nothing extra will be paid on this account.
 - (b) Water tanks, taps, sanitary, water supply and drainage pipes, fittings and accessories should Conform to bye-laws and specifications of the Municipal Body/ Corporation where C.P.W.D. specifications are not available. The contractor should engage licensed plumbers for the
 - (c) The contractor shall comply with proper and legal orders and directions of the local or public authority or municipality and abide by their rules and regulations and pay all fees and charges which he may be liable.

6. The contractor shall give a performance test of the entire installation(s) as per standing specifications before the work is finally accepted and nothing extra whatsoever shall be payable to the contractor for the test.

7. Any cement slurry added over base surface (or) for continuation of concreting for better bond is deemed to have been in built in the items and nothing extra shall be payable (or) extra cement considered in consumption on this account.

8. Testing of materials:

(a) Samples of various materials required for testing shall be provided free of charge by the contractor. Testing charges, if any, shall be borne by the department. However in case samples fail in testing, the testing charges if any shall be borne by the contractor. All other expenditure required to be incurred for taking the samples; conveyance, packing etc. shall be borne by the contractor himself.

9. The structural and architectural drawings shall at all times be properly correlated before executing any work. However, in case of any discrepancy in the item given in the schedule of quantities appended with the bid and Architectural drawings relating to the relevant item, the former shall prevail unless and otherwise given in writing by the Engineer-in-Charge.

10 The contractor shall bear all incidental charges for cartage, storage and safe custody of materials issued by department or procured by the contractor and nothing extra shall be payable to the contractor on their accounts.

11. The full nomenclature of items shall be adopted in preparing abstract of final bill in the measurement book and also in the bill form for

12. The bidder shall abide by the rules and regulations under relevant State VAT, as amended from time to time and deductions shall be made from the gross value of the work done from all bills as per the provisions of above stated Acts. Nothing extra on account of this deduction shall be paid.

13. CONDITIONS FOR CEMENT.

13.1. The contractor shall procure 43 grade Ordinary Portland Cement (conforming to IS: 8112), as Required in the work, from reputed manufacturers of cement such as A.C.C., L & T. J.P. Rewa, Birla Jute, Ambuja, Vikram, Shree cement and Cement Corporation of India, etc, as approved by Ministry of Industry, Government of India, and holding licence to use ISI certification mark for their product whose name shall be got approved from Engineer-in-Charge. Supply of cement shall be taken in 50 Kg bags bearing manufacturer's name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer-in-Charge and got tested in accordance with provisions of relevant BIS Codes. In case test results indicate that the cement arranged by the contractor does not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer-in-Charge to do so.

13.3. The cement godown of the capacity to store a minimum of 2000 bags of cement shall be constructed by the contractor at site of work for which no extra payment shall be made Double lock provision shall be made to the door of the cement godown. The keys of one lock shall remain with the Engineer-in- Charge or his authorized representative and the key of the other lock shall remain with the contractor. The contractor shall be responsible for the watch & ward and safety of the cement godown. The contractor shall facilitate for the inspection of the cement godown by the Engineer-in-Charge at any time.

13.4. The contractor shall supply free of charge the cement required for testing, the cost of tests shall be borne by the contractor / Department in the manner indicated below.

(i) By the contractor, if the results show that the cement does not conform to relevant BIS codes.

(ii) By the Department, if the results show that the cement conforms to relevant BIS codes.

13.5 The actual issue and consumption of cement on work shall be required and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in clause 42 of the contract or as per other condition/specification of the bid documents if otherwise applicable. Cement brought to site and cement remaining unused after completion of work shall not be removed from site without written permission of the Engineer-in- Charge.

14. CONDITIONS FOR STEEL

14.1. The contractor shall procure TMT bars from primary producers such as SAIL or TISCO or RINL as approved by Ministry of Steel confirming to the requirements of Fe 500D grade of IS:1786:2008. The TMT bars procured from primary producers shall conform to manufacture's specifications. In case of non availability of steel from primary producers, and in exigencies of the work the Executive Engineer (OS) may permit use of TMT reinforcement bars procured from secondary producers, Subject to the following conditions.

(a) The secondary producers must have valid BIS licence to produce HSD bars conforming to IS: 1786 : 2008. In addition to BIS licence, the secondary producer must have valid licence from either of the firms Tempcore, Thermex, Evcon, Turbo & Turbo Quench to produce TMT Bars.

(b) The TMT bars procured from secondary producers shall conform to the specifications as laid by Tempcore, Thermex, Evcon, Turbo & Turbo Quench as the case may be.

(c) TMT bars procured either from secondary producers shall meet the requirement of Fe- 500D grade of steel as contained in IS:1786:2008.

(d) The base price of TMT reinforcement bars as stipulated under schedule 'F' s shall be reduced by Rs. 4762.00 per MT.

(e) The rate of TMT reinforcement bars quoted by the contractor in the bid shall be reduced by Rs. 5.70 per kg which includes Contractor's Profit and Over Head, State VAT and Labour Cess.

14.2. The contractor shall obtain & furnish test certificate to the Engineer-in-Charge in respect of all supplies of steel brought by him to the site of work.

14.3. Samples shall also be taken and got tested by the Engineer-in-Charge as per the provisions in this regard in relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to the specifications as defined under Para 14.1 above, the same shall be rejected, and it shall be removed from the site of work by the contractor at his cost within a week time or written orders from the Engineer-in-Charge to do so.

14.4. The steel reinforcement shall be brought to the site in bulk supply of 10 tonnes or more as decided by Engineer-in-Charge.

14.5. Steel reinforcement (TMT bars) shall be stored by the contractor at site of work in such a way as to prevent distortion and corrosion and nothing extra shall be paid on this account. Bar of different sizes and length shall be store separately to facilitate easy counting and checking.

14.6. For checking nominal mass, tensile strength, bend test, re-bend test etc. specimen of sufficient length shall be cut from each size of the bar at random at frequency not less than that specified below:-

14.7. The contractor shall supply free of charge the steel required for testing including its transportation to testing laboratories. The cost of tests shall be borne by the contractor.

14.8. The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein. In case the consumption is less than theoretical consumption including permissible variations recovery at the rate so prescribed shall be made. In case of excess consumption no adjustment need to be made.

14.9. The steel brought to site and the steel remaining unused shall not be removed from site without the written permission of the Engineer-in-Charge.

14.11 The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by condition laid therein.

14.12 Steel brought to site and steel remaining unused shall not be removed from site without the written permission of the Engineer-in-Charge.

15. OTHER CONDITIONS:

15.1 The contractor will have to work according to the programme of the work, decided by the Engineer-in-Charge. The contractor for shall also construct a sample unit complete in all respect within time specified by the Engineer-in- Charge and this sample unit shall be got approved from the Engineer-in-charge before mass construction is taken up. No extra claim what so ever beyond the payments due at agreement rates will be entertained from the Contractor on this account.

15.2 The contractor shall take instructions from the Engineer-in-Charge for stacking of materials in any place. No excavated earth or building material shall be stacked on areas where other buildings, roads, services of compound walls are to be constructed.

15.3 If as per municipal rules the huts for labour are not to be erected at the site of work by the contractors, the contractors are required to provide such accommodation as is acceptable to local bodies and nothing extra shall be paid on this account.

15.4 Cement bags shall be stored in separate godowns to be constructed by contractor at his own cost as per sketch which is only indicative and actual size will date and R.C.C. work in pursuance (IS: 456-2000) with weather proof roof and walls. Each godown shall be provided with

15.5 The contractor shall be fully responsible for the safe custody of the materials even if the materials are under double lock system.

15.6 Contractor shall bear all incidental charges for cartage, storage and safe custody of materials and shall construct suitable godowns, yards at the site of work for storing all other materials so as to be safe against damage by sun, rain, damages, fire, theft etc. at his own cost and also employ necessary watch and ward establishment for the purpose at his cost.

15.7 All materials shall be got checked by the Junior Engineer-in-Charge of the works on receipt of the same at site before use.

15.9 For all kind of RCC works only O.P.C. grade 43 shall be used.

15.10 Except otherwise mentioned, in the nomenclature of items, the rates for each item shall deemed to include for all leads and lifts and for working in or under water and/ or foul conditions and/ or for bailing out water wherever required for which nothing extra shall be paid.

15.12 The Contractor shall prepare and supply three sets of the completion drawings of all the external and internal plumbing, water supply, sanitary, drainage, electrical and other specialized works including all other services and completion plan of the building on completion of the services, to the Engineer-in-charge. One soft copy or hard copy of the relevant Architectural drawing for enabling the contractor to prepare the completion drawings shall be made available by the Engineer-in-Charge.

15.13 Before placing the reinforcement bars in position, contractor shall submit the bar bending schedule indicating the shape of bar, type/ designation of bar, number of bars, the diameter bars, quantity of reinforcement etc., as per structural drawing for approval by the Engineer-in-Charge in writing. After the approval of the bar bending schedule by the Engineer-in-Charge, the reinforcement shall be placed in position and thereafter it shall be measured in the measurement book and got test checked of its accuracy before embedding or before placing it beyond the reach of measurement, from the Engineer-in- Charge or his authorized representative. Similar action shall also be taken for all other hidden items. It will be the responsibility of the contractor to bring out to the notice of the Engineer-in-Charge the deviations, if any giving the details of the measurements with locations for approval of the competent authority immediately after it is detected or foreseen.

15.15 Brand and trade name of the paint to be used in the work shall be got approved in writing from the Engineer-in-Charge before application of the samples of different shades. After the written approval of the Engineer-in-Charge about brand, trade name, sample and shades of the paints the contractor shall make bulk procurement of the paint. Before start of the item of painting, the original purchase vouchers, delivery challan of purchase of full quantity of paint materials shall have to be produced by the contractor to the Engineer-in-Charge. The contractor shall bring full quantity of required painting material at site and get it inspected from the Engineer-in-Charge before start of the item of painting.

15.16 Cutting of centrifugal cast (spun) iron pipes wherever required shall be done by electric machine. Pipes of different lengths as required having sockets will be brought to site. No collar will be permitted to be used in the work. If at any place collar is found used, no payment of the pipes connecting that collar and the sanitary fittings thereon shall be made in any case.

15.17 GI tank nipples of appropriate size shall be used as per written approval of the Engineer-in-Charge for making connection of pipes with the PVC water storage tanks.

15.18 Element of reinforcement as per standard design is included in the item of brick masonry manholes. Therefore, the reinforcement used in the manholes shall not be separately measured for payment under the item of reinforcement.

16.0 TESTING OF MATERIAL

(a) The contractor shall procure all the materials in advance so that there is sufficient time for testing and approving of the material and clearance of the same before use in work.

(b) In case of concrete and reinforced concrete work, the contractor shall be required to make arrangement for carrying out compression strength tests at his own cost. He shall render all assistance for the preparation of cubes, safe custody of the same proper curing and carriage up to the laboratory where the test is to be performed. The cube tests can be performed at any laboratory approved by the Engineer-in-Charge.

(c) Time allowed for execution of the work provided in clause 5 of Schedule 'F' is inclusive of the time required for any kind of testing of materials and preparation of Design mix of cement concrete for all R.C.C. work, time required for initial load testing / routine load testing of piles and time required for testing of weld etc.

MATERIALS ARRANGED BY THE CONTRACTOR

In all contracts where departmental issue of cement and steel is not stipulated, special condition shall be incorporated as below:

17.1. Special conditions for cement:-

(1) The contractor shall procure 43 grade ordinary Portland cement conforming to IS 8112/Portland Pozzolana Cement conforming to IS:1489 (Part-I) as required in the work, from reputed manufacturers of cement such as ACC, Ultratech, Vikram, Shree cement, Ambuja, Jaypee Cement, Century Cement & J.KK. Cement or from any other reputed cement Manufacturer having a production capacity not less than one million tones per annum as approved by ADG for that sub region. (Modified vide OM DG/MAN/270 dt. 1-05-2013).

The tenderers may also submit a list of names of cement manufacturers which they propose to use in the work. The tender accepting authority reserves right to accept or reject name(s) of cement manufacture(s) which the tenderer proposes to use in the work. No change in the tendered rates will be accepted if the tender accepting authority does not accept the list of cement manufacturers, given by the tenderer, fully or partially. The supply of cement shall be taken in 50 kg bags bearing manufacturer's name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer-in-charge and got tested in accordance with provisions of relevant BIS codes. In case the test results indicate that the cement arranged by the contractor does not conform to the relevant BIS codes, the same shall stand rejected, and it shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer-in-charge to do so.

(2) The cement shall be brought at site in bulk supply of approximately 50 tonnes or as decided by the Engineer-in-charge. The cement godown of the capacity to store a minimum of 2000 bags of cement shall be constructed by the contractor at site of work for which no extra payment shall be made.

(4) The cement shall be got tested by the Engineer-in-charge and shall be used on the work only after satisfactory test results have been received. The contractor shall supply free of charge the cement required for testing including its transportation cost to testing laboratories. The cost of tests shall be borne by the contractor/ Department in the manner indicated below:

- (a) By the contractor, if the results show that the cement does not conform to relevant BIS codes.
- (b) By the Department, if the results show that the cement conforms to relevant BIS codes.

(5) The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein. In case the cement consumption is less than theoretical consumption including permissible variation, recovery at the rate so prescribed shall be made. In case of excess consumption no adjustment need to made.

(6) The cement brought to the site and the cement remaining unused after completion of the work shall not be removed from site without the written permission of the Engineer-in-charge. The damaged cement shall be removed from the site immediately by the contractor on receipt of a notice in writing from the Engineer-in-charge. If he does not do so within 3 days of receipt of such notice, the Engineer-in-charge shall get it removed at the cost of the contractor. Chief Engineers may change the brand of Cement depending upon availability in local market, if needed. Instructions in this respect can be issued by them at regular intervals. The name of manufacturers should be finalized after taking into consideration the suggestions of contractors during pre bid meeting, if any. Similar conditions for cement of other types like slag cement etc. may be incorporated wherever required by the NIT approving authority by providing for relevant BIS codes, suitable brands of cement and technical circulars issued by the department.

17.2 Special conditions for steel.

Steel shall be supplied by the Department on Recovery Basis. In case the department fails to do so, the Contractor shall procure the same.

(1) "The contractor shall procure TMT bars of Fe415/Fe415D/Fe500/Fe550/Fe550D grade (the grade to be procured is to be specified) from primary steel producers such as SAIL, RINL, VSP etc. In case of non-availability of steel from primary producers the NIT approving authority may permit use of TMT reinforcement bars procured from steel producers having integrated Steel Plants (ISPs) using iron ore as the basic raw material for production of crude steel which is further rolled into finished shapes in-house having crude steel capacity of 0.5 Million tone per annum and more. A separate list of producers for this category shall be approved by the ADG concerned for their sub region under intimation to the Directorate, CPWD/CE,CSQ. In case of non-availability of steel from Primary Producers as well as ISPs then the NIT approving authority may also permit use of TMT reinforcement bars procured from secondary producers. In such cases following conditions are to be stipulated in the NIT by NIT approving authority.

(b) The secondary producers must have valid BIS licence to produce HSD bars conforming to IS 1786:2008. In addition to BIS licence, the secondary producer must have valid licence from either of the firms Tempcore, Thermex, Evcon Turbo & Turbo Quench to produce TMT Bars.

(c) The TMT bars procured from Primary Producers and ISPs shall conform to manufacture's specifications.

(d) The TMT bars procured from secondary producers shall conform to the specifications as laid by Tempcore, Themex, Evcon Turbo & Turbo Quench as the case may be.

(e) TMT bars procured either from Primary producers, ISPs or secondary producers, the 500/Fe500D/Fe550/Fe550D or other grade of steel as specified in the tender (while preparing NIT the grade of the steel to be specified).

(2) The contractor shall have to obtain and furnish test certificates to the Engineer-in-charge in respect of all supplies of steel brought by him to the site of work.

(3) Samples shall also be taken and got tested by the Engineer-in-charge as per the provisions in this regard in relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to the specifications as defined under para (1)(d)&(1)(e) above, the same shall stand rejected, and it shall be removed from the site of work by the contractor at his cost within a week time or written orders from the Engineer-in-charge to do so. (Modified as per OM/MAN/168).

(4) The steel reinforcement bars shall be brought to the site in bulk supply of 10 tonnes or more, or as decided by the Engineer-in-charge.

(5) The steel reinforcement bars shall be stored by the contractor at site of work in such a way as to prevent their distortion and corrosion, and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.

The work shall be executed and measured as per metric dimensions given in the Schedule of quantities, drawings etc. (F.P.S. units wherever indicated are for guidance only).

2 The following modifications in the above specifications and some additional specifications shall however apply:

i) All stone aggregate and stone ballast shall be of hard stone variety to be obtained from approved quarries or any other source to be got approved by the Engineer-in-Charge.

ii) Sand to be used for cement concrete work, mortar for masonry and plaster work shall be of standard quality. Sand shall be obtained from approved source or any other source to be got approved from the Engineer-in-Charge and screened as required. The same shall consist of hard siliceous material. It shall be clean sand.

3 Wherever any reference to any Indian Standard Specification occurs in the documents relating to this contract the same shall be inclusive of all amendments issued there to revision thereof if, any, up to the 16.11.2015.

4 Unless otherwise specified in the schedule of quantities the rates for all items of the work shall be considered as inclusive of pumping out or bailing out water if required for which no extra payment will be made. This will include water encountered from any source, such as rains, floods, and sub-soil water level being high due to any other cause whatsoever.

5.0 Hollow Block Work.

5.1 HB shall be obtained from kilns approved by the Engineer-in-Charge and shall be of nominal size

5.2 In the item of Providing and placing 2 Nos. 6mm dia MS bars at every third course of half brick masonry work, if the contractor uses 8mm dia. TMT bars in place of 6mm dia MS bars, nothing extra shall be paid on this account and TMT bars will not be measured separately under the item of reinforcement.

6.0 R.C.C. Work.

6.1. Mix design.

A. The Contractor shall bear the cost of Mix design for each class of concrete meeting the requirements as specified as per clause 5.8.4.1 of CPWD specifications 2009 Vol. I with correction slips up to 16.11.2015.

B. One month in advance to commencement of concreting work, the contractor shall submit proposal of mix designs and test results from approved laboratory as mentioned in Para 4.3.5 below thereof as a report for the approval of the Engineer-in-Charge.

C. The R.C.C. work shall be done with Design Mix Concrete unless specified. In the nomenclature of items, wherever letter M has been indicated, the same shall imply for the Design Mix Concrete. For the nominal mix in RCC, CPWD specifications shall be followed. The Design Mix Concrete will be designated based on the principles given in IS: 456, 10262 & SP 23. The contractor shall design mixes for each class of concrete indicating the concrete ingredients and proportions that will result in concrete mix meeting requirements specified. In case of use of admixture and or white cement, the mix shall be designed with these ingredients as well. The specification mentioned herein below shall be followed for Design Mix Concrete.

6.2 Ingredients:-

Coarse Aggregate: As per CPWD specifications 2009 Vol. I with correction slips up to 16.11.2015. The maximum size of stone aggregates shall be 20mm nominal.

Fine Aggregate : As per CPWD specifications.

Water : It shall conform to requirements laid down in IS:456-2000 and CPWD specifications.

Cement : It shall be of OPC 43 grade and shall conform to IS :8112.

Admixtures : Wherever required, admixtures of approved quality shall be mixed with concrete to achieve the desired workability within specified water cement ratio. The admixtures shall conform to IS: 9103. The chloride content in the admixture shall satisfy the requirement of BIS: 5075. The total amount of chlorides in the admixture mixed concrete shall also satisfy the requirements of IS: 456:2000. The contractor shall not be paid anything extra for admixture required for achieving desired workability without any change in specified water cement ratio for RCC/CC work.

6.3 Grade of Concrete: - The characteristic compressive strength of all grades of Concrete manufactured/ produced shall be as per CPWD Specifications 2009 Vol. I with correction slips up to 16.11.2015.

6.3.1 The mix will be designed for minimum workability as specified in Para 7 of IS: 456: 2000.

6.3.2 For all grade of concrete manufactured/produced, the Minimum cement contents in the concrete shall be 310 kg/cum of concrete. Also irrespective of grade of concrete the maximum cement content shall not be more than 500 kg/cum of concrete. These limitations shall apply for all type of concrete of all strength.

6.3.3 Actual cement content in each grade of concrete for various design conditions of variables shall be established by design mixes with in the limit specified in Para 4.3.2 above.

6.3.4 If the cement content of concrete grade is mentioned in the items of schedule of quantity then, the rates quoted by the contractors for the items of RCC shall be based on the cement contents indicated in the item. On the basis of mix design and trial mixes etc, if the cement content approved by the Engineer-in- Charge is different than what is mentioned in nomenclature of items, variations in rates/price shall be applicable in accordance with Para 4.10 of this tender/bid.

6.3.5 Outside/Independent Testing Facilities

Extensive testing of the materials used for construction is a pre-requisite for attaining high quality of the work. This shall also require specialized tests, physical, chemical, ultrasonic, x-ray and various other types of tests which cannot possibly be carried out in a site laboratory. These tests also require specialized personnel who regularly deal in such testing. Therefore the need arises for carrying out the tests in outside laboratories. These laboratories may be in the Government sector, Semi Government or Private sector. All govt. Institutes, Indian Institutes of Technology, National Institutes of Technology, Central and State research Centres, Centrally and State funded laboratories stands approved. No approval is required for testing in these laboratories/institutes. However, the outside private laboratories shall be approved in the following manner:-

1. The ADG will approve the private lab on the recommendation of Chief Engineer if no approved labs as above is available within 200 km of the work site. A particular private Lab will be approved for specified tests and work/project. Approving authority will specify the tests while approving the laboratory.
2. A lab will have to submit details of space available, equipments, staff (Technical and non Technical), Accreditation and approval from various department/institutes. Lab must be NABL approved.
3. Initial approval of lab should be for one year and can be revalidated for further one year and so on.
4. Every lab will be audited for maintenance and calibration of equipments and employment of staff prior to approval/ revalidation. (Modified vide OM DG/MAN/308 dt. 29-05-2014).

However, testing of material in any Govt. Lab/Public Undertaking Lab/IIT or NIT Lab/ Government Engineering College may be allowed by Executive Engineer without prior approval of Superintending Engineer or higher officers provided these labs have all necessary facility to carry out the required tests. (Modified as per OM/MAN/233).

6.3.6 The contractor shall submit the mix design report along with details of trial mixes from any of above approved laboratories for approval of Engineer-in- Charge within 30 days from the date of issue of letter of acceptance of the bid. No concreting shall be done until the mix design is approved.

6.3.7 In case of change of source or characteristic properties of the ingredients used in the concrete mix during the work, a revised laboratory mix design report conducted at laboratory established at site shall be submitted by the contractor as per the direction of the Engineer-in-Charge.

6.4 APPROVAL OF DESIGN MIX :-

6.4.1 All cost of mix designing and testing connected therewith including charges payable to the laboratory shall be borne by the Contractor.

6.10.1 The rate includes the cost of materials and labour involved in all the Operations described above except for the cost of centering, shuttering and Reinforcement which will be paid for separately.

In case of actual average compressive strength being less than the specified strength, which shall be governed by the Para "Standard of acceptance" as above, the rate payable shall be worked out accordingly on prorata basis.

6.10.3 In case of rejection of concrete on account of unacceptable compressive strength, governed by the Para "Standard of Acceptance" as above, the work for which samples have failed shall be redone at the cost of contractors. However, the Engineer- in- Charge may order for additional tests (like cutting cores, ultrasonic pulse velocity test, load test on structure, or on part of structure, etc.) to be carried out at the cost of contractor to ascertain if the portion of the structure wherein concrete represented by the sample has been used, can be retained on the basis of results of individual or combination of these tests. The contractor shall take remedial measures necessary to retain the structure as approved by the Engineer-in-Charge without any extra cost. However, for payment, the basis of rate payable to the contractor shall be governed by the 28 days cube test results and reduced rates shall be regulated in accordance as per provision in CPWD specifications and conditions cited in this bid document.

FORM WORK

6.12.1 To maintain the quality and speed the contractors have to arrange and bring the following minimum quantities steel centering shuttering with necessary steel vertical props, horizontal and diagonal bracings before execution of the following items of work.

- i. Foundation and footings. = 250 sqm.
- ii. Beams. = 300 sqm.
- iii. Columns. = 300 sqm.
- iv. Slab . = 800 sqm.
- v. Steel props = 2500 cum space

The aforesaid quantities of shuttering materials should be kept at site for execution of the columns, footings and beams.

6.13. MATERIAL:

6.13.2. Manufacturer's Test Certificate: The contractor shall, if required by the Engineer-in-Charge, produce manufacturer's test certificates for any material or particular batch of materials supplied by him. The tests carried out shall be as per relevant specifications/ Indian Standard Code.

9.0. WATER SUPPLY SANITARY INSTALLATION

9.1 S.C.I pipe and G.I pipe wherever necessary shall be fixed to RCC columns, beams etc. withdrawal plugs and nothing extra shall be paid for this.

9.2 The contractor shall be responsible of the protection of the sanitary and water supply fittings and other fittings and fixtures against pilferages and breakage during the period of installation and thereafter until the building is handed over.

9.3 Sunken Flooring: The rate of items of flooring is inclusive of providing sunk flooring in W.C, bathrooms, kitchen etc. and nothing extra on this account is admissible.

12. INTEGRAL WATER PROOF FINISHING:

13.0. MARBLE STONE SLAB WORK

13.1 In the event of non availability of 12mm thick marble stone for flooring, 16mm thick marble stone can be permitted. In that event, 22mm thick base cement mortar shall have to be provided in place of 20mm thick base cement mortar for which nothing extra shall be paid. However deduction for the less thickness of marble stone slab shall be made.

13.2 Flooring work is to be executed as per flooring pattern shown in Arch. Drawings and as per direction of Engineer-in-Charge for which nothing extra will be paid.

13.3 The size of tiles/marble stone/Granite stone in dado/skirting is to be provided as shown in Architectural drawings.

13.6 Mirror finish/ granite finish rubbing of the Kota stone flooring shall be done only in those locations for which the Engineer-in-Charge shall give prior direction in writing. No payment shall be made for execution of this item in areas for which written direction is not given by the Engineer-in-Charge.

13.7 For providing granite stone in counters, window sills, kitchen platforms and other similar locations, the rate shall deemed to include semi circular mirror finished and mirror polished pre-moulding of the free/ exposed edges which shall have to be done and nothing extra shall be paid on this account. Further for granite stone up to 2 metre, for treads of steps and risers, kitchen counters, window sills and any other locations wherever decided by the Engineer-in-Charge, single stone shall be used for which nothing extra shall be paid.

13.8 The colour and shade of the granite and granite tiles shall be decided by the Engineer-in-Charge.

14 LIST OF MATERIALS OF APPROVED MAKE

The materials of first/standard quality from the following approved makes are to be used. In case it is established that the brands specified below are not available in the market, contractor shall submit alternative proposal for the approval of Engineer-in-Charge.

General Materials.

Sl No.	Materials	Brand / Manufacturer Name
	43 Grade Ordinary Portland cement conforming to IS :8112/Portland Pozzolana cement conforming to IS: 489(Part-I)	A.C.C., L & T, J.P. Rewa, Vikram, Shree Cement, Ambuja, Birla Jute and Cement Corporation of India etc. having valid approval of the ADG, ER-II as on date of procurement or any other reputed cement manufacturer having a production capacity not less than one million tonnes per annum as approved by ADG, ER-II.
	Steel Reinforcement (TMTbars)	a) Primary Producers SAIL, Tata Steel Ltd.,RINL, Jindal Steel and Power Ltd., JSW Steel Ltd., or any other producers as approved by CPWD, Who are using iron ore as basic raw material/ input and have crude steel capacity of 2.0 million tonnes per annum and above and approved by ADG, ERII,CPWD, Guwahati.
	AAC Block	BRIKO-O-LITE-AAC Block – IS Code 2125 (Part-3)
	CGI Sheet	Tata Shakti, Jindal, JSQ/JSQ Steel Coated Products Lmt.

	Synthetic Enamel Paint	Berger, Asian Paints, Dulux of AKZO Noble, Jenson & Nicholson.
	Acrylic washable Distemper	Berger, Asian Paints, Jenson & Nicholson.
	Water proofing cement paint, Primer	Berger, Asian Paints, Jenson & Nicholson, Nerolac
	Acrylic Exterior Paint	Berger, Asian Paints, Jenson & Nicholson.
	Mortice Latch	Godrej, Harrison
	White Cement	Birla white, J.K. white or equivalent.
	Ceramic Tiles	Somani, Kajaria, Orient, Johnson or tiles having approval by the CE, NEZ - I as on date of procurement.
	Aluminium sections	Hindalco, Jindal, Indian Aluminium Co. (Anodising by approved Anodiser)
	PVC Door frame and Shutters	Rajshree
	Water proofing compound	CICO, FOSROC and Pidilite
	Flush Door Shutters	A.B. wood Tech Pvt Ltd., M/s Doorking, Green Plywood, Bhawani Plywood Industry etc. having valid approval of the CE, NEZ - I as on date of procurement.
E.5.B. Sanitary fixtures and Faucets.		
	C.P. Brass Faucets, Wastes, Traps etc	Parryware, Hindware, Neycer, Jaquar, Aqua Plus and GEM
	C.P. flush valves for W.C.s	Jaquar, Orient, GEM
	C.P. Bathroom Accessories	Jaquar, Ess Ess, GEM
	C.P. Wastes, Spreaders, Urinal Flush pipe	Lotus, Orient, Ess Ess
	Infrared Sensor operated Faucets	AOS-Robo, Encon, Utech, Lopal
	Stainless Steel Sink	Jayana, Neelkant, Kingston –cobra
	Bevelled edge mirror	Atul, Jolly, Modiguard

E.5.C Pipes and Fittings

	Centrifugally Cast (Spun) Iron soil, waste and	Jayaswal Neco, M/s Bengal Iron Corporation
	UPVC Soil, Waste and Vent pipes and fittings	Supreme, Prince, Finolex, SFMC
	G.I. Pipes	Tata, Jindal (Hissar)
	G.I. Fittings	"R" Brand, Unik and Zoloto
	C.I. Class LA Pipes	Electro Steel, Kesoram
	Stoneware pipes	Bhaskar, Anand, ISI marked of approved Quality

	R.C.C. Pipes	ISI marked of approved Quality
	PP-R Pipes and Fittings	Supreme, Prince, SFMC
	PVC/CPVC pipe ad fittings	Astral, Aashirwad, Finolex, Prince, Supreme, Birla Aerocon
E.5.D Insulation		
	Synthetic Polymeric Rubber Compound	Vidoflex, Superlon, Armstrong
E.5.E. Valves		
	Valves, Float Valves	Zoloto, RB, Italy
	Ball Valves	RB, CIM, ITAP Italy
E.5.F. Manhole Covers, Gratings etc.		
	Steel Fibre Reinforced Concrete Manhole Covers	K.K. manholes, Pragati Concrete
	C.I. Manhole Covers	RIF, Kajeco, Neco

Note:

The contractor shall provide the materials as per the Make or Brand indicated above. When two or more alternative brands have been mentioned, the brand to be finally used shall be as decided by the Engineer-in-charge. The contractor shall obtain the approval of CE & A(ALHW), Sri Vijaya Puram for the alternative brands, before the actual execution of items.

E.5.G:-All other items shall be of ISI marked/as per approved sample kept at site of work.

SPECIAL CONDITIONS

1. The work should be carried out as per schedule.
2. The location to be executed under this contract is within the Port Blair area. Hence the contractor shall have to take all precautions to ensure the safety of the public and workmen during the course of execution the work. The contractor shall be fully responsible for providing required safety measure for this at his own Cost.
3. The Contractor shall arrange to execute the work in such a manner that the existing port operations do not get disrupted and no- in convenience is caused to functioning of port operation. The tenders shall study the site Condition before tendering and acquaint himself about the prevailing restrictions and factors. The tenderer shall note this specifically and no claim whatsoever shall be entertained on the plea of ignorance of such restrictions.
4. Sand should be used as per Specification mentioned in Schedule is crushed sand which will be used for the work should be free from clay contents and same should be conformed to the relevant I.S. Specification.
5. The Contractor has to make his own arrangement for fresh water for construction as well as drinking. The Contractor should study the site condition thoroughly before tendering.
6. Cement ,steel and sheets for this work is included in the item and the transportation cost shall be arranged by the contractor. The contractor may quote the rate accordingly. No claims shall be raised separately.
7. The contractor shall bear the charges unless other vise specially mentioned towards collection loading transportation and unloading of all the construction materials required for the work from the place of delivery to the work site.
8. The contractor shall not remove from the site of work any materials, which will be issued to him by the department for the bonafied use of the works. If required by the department the same will have to be transported and returned to ALHW Central Stores fully at the cost of the contract as and when directed by the EIC.
9. The contractor is not at his liberty to remove any materials from the site of work, which have been issued to the contractor for use of work on recovery basis. In case of any misuse, the department shall recover the cost of materials at double the issue rate.
10. The work shall be carried out as per the instruction of EIC or his authorized representatives. ISI (BIS) specifications should be adopted for each item of work provided in the schedule.

11. The contractor shall carry out the execution of work for foundation to the exact width and levels as directed by the EIC. The bottom and side shall be dressed to proper levels.
 12. The contractor shall arrange all the materials for this work such as **cement, steel, sheet**, river sand imported from Mainland, stone crushed sand, stone chips, metal, timber, plywood etc. at his own cost and quality of materials should be got approved by the EIC before collection and conveying them to work site.
 13. All the materials for shuttering and temporary staging / platform shall be provided by the contractor at his own cost. The contractor shall be entirely responsible for the sufficiency of shuttering and safe removal of the same. The shuttering materials, staging and temporary platform materials used by him for the work will be the property of the contractor and he can take away the same after completion of work on which they were used.
 14. The Contractor shall make his own arrangement of drinking water, area lighting and sanitary facilities for his worker at work side.
 15. In case, it is noticed that Contractor misused of any materials issued for bonafied use on the work, return recovery at double the issue rate will be affected from the contractor's bill.
 16. The rate quoted for each item of work shall be for completing the item of work in all respects as indicated in the schedule specification as per the direction of the EIC from time to time and shall include the cost of all indirect works and materials required for such completion of work.
 17. The contractors shall study the site condition before quoting their rates for each item of work.
 18. The Contractor shall have to sign on each page of the tender document and each drawing as a token of having read and clearly understood the nature and value of work to be done and condition under which the work to be executed.
 19. After completion of the work, he should clear all the residual materials belonging to the contractor within 30 days.
 20. The EIC reserve the right to terminate the contract at any time, if the contractor is not in a position to fulfil the conditions of contract.
 21. The contractor shall submit the names of the workers employed by him to the EIC. No workers, employees of Government department shall be employed by the contractor without production of discharge certificate form the department concerned.
 22. The contractors shall engage only local labourers available in the village/town in which the work is being executed under this contractor. This shall be strictly followed in the case of unskilled workers.
 23. In the case of skilled labourers also the contractor shall engage only local labourers. In case of non-availability of skilled labourers necessary non-availability certificate should be obtained from the Employment Exchange and after obtaining permission from the EIC in writing he shall employ non-local skilled labour.
 24. Generally the work should be carried out during normal working hours. If required, the contractor has to contract has to work in odd hours and holidays also but no claim shall be entertained in this regard.
- The royalty charges for stone aggregates and sand shall be recovered from the contractor, if the contractor failed to produce receipt of royalty by the Forest/ Revenue authority.
- i. Stone Produces : Rs 75/Cum. (Rupees seventy five Only)
 - ii. Sand : Rs 75.00/Cum. (Rupees seventy five only).
25. Empty cement bags shall be recovered @ Rs.2/- per bag for the contractor for bonafied use at his own request.
 26. After completion of the works, gunny bags should be returned to the department, failing which the cost as fixed by the department shall be recovered from the contractor bill.
 27. The Contractor shall submit the names of the workers employed by him to the EIC. No worker employed in a Government department should be employed by the contractor without production of discharges certificate from the department concerned.
 28. In the case of emergency, the contractor should be in a position to do the work irrespective of day or night and no extra claim whatsoever will be entertained for such works.
 29. If necessary the part payment shall be made for the portion of completed work through RA Bills.

30. Security deposit @ 05% (five) of the bill amount will be recovered from the contractor bill and the same will be released as per the prevailing rules

31. Income tax and Workers welfare cess at approved rates will be recovered and paid to the respective authority as per the contract rules.

32. In case of any dispute the decision of the Deputy Chief Engineer-I, ALHW, Port Blair shall be final and binding on the contractor.

33. The contractor shall submit the proof of having remitted EPF contribution in respect of the labourers employed by them and GST under this contract respectively for reimbursement of the same separately.

Executive Engineer (OS)

Part- C

BILL OF QUANTITY

Name of Work: Routine maintenance of vehicle ferry jetty at Chatham for the year 2026-27.

ECPT Rs. 366,274.00

SCHEDULE OF QUANTITIES OF WORK TO BE DONE

Name of the Vendor:

Sl. No:	Description of item	Quantity	Rate	Unit	Amount in Rs.
1	Fixing of Mini Giant tyre fenders on the berthing face of the jetty/wharf containing one tyre, including making holes, cutting, bending and fixing of GI nipple, GI flange, GI chain, GI D-Shackle, wire rope, Wire grips etc., but excluding cost of mini giant tyres, GI nipple, GI flange, GI chain, GI D-Shackle, wire rope, Wire grips etc., which will be supplied by the department on free of cost from ALHW Store at Sri Vijay Puram, including cost of hire charges of welding machine, cost of electrodes, paking of empty gunny bags inside the tyre, scaffolding charges, transportation charges of all materials to work site, all labour charges, minor tools and plants, GST, Cess etc., complete.	16.00		Nos	0.00
2	Fixing of old truck tyre fenders each set contains 2 nos old truck tyres, including making holes, cutting, bending and fixing of GI nipple, GI flange, GI chain, GI D-Shackle, wire rope, Wire grips etc., but excluding cost of old truck tyres, GI nipple, GI flange, GI chain, GI D-Shackle, wire rope, Wire grips etc., which will be supplied by the department on free of cost from ALHW Stores at Sri Vijay Puram, including cost of hire charges of welding machine, cost of electrodes, paking of empty gunny bags inside the tyre, scaffolding charges, transportation charges of all materials to work site, all labour charges, minor tools and plants, GST, Cess etc., complete.	32.00		Set	0.00

3	Painting two coats of synthetic enamel black paint on the surface of 30/10 Ton capacity bollars and numbering over the bollards with white paint as required, including cost of paint, brush, transportation charges of all materials to work site, all labour charges and minor tools, GST, Cess etc., complete.				
a)	10 Ton Capacity	32.00		Nos	0.00
4	Breaking reinforced cement concrete M20/ M30 or richer mix using air compressor and pavement breaker including cost of hire charges of pavement breaker and air compressor with POL and operator, disposal of unserviceable material within a lead of 50 mtrs cost of all labour charges, minor tools, GST, Cess etc., Complete.	2.50		Cum	0.00
5	Providing and laying PCC M20 (Wearing coat 1:1.5:3 one cement, one and half mainland river sand & three stone chips) using 20mm graded stone chips from mainland, Mainland river sand 43 grade ordinary portland cement for cast-in-situ concrete and as directed by the EIC, including cost of noimal shuttering, cement, cost of stone chips and mainland river sand all labour charges for mixing conveying placing consolidation screeing and washing of stones chips and sand transportation charges of all materails to work site and running charges of concrete mixer, vibrator, consumables and all other required materials, cost of minor tools and plant, GST, Cess etc., Complete.	5.00		Cum	0.00

6	Conveying the sweepage, debris, broken concrete, ship/workshop rubbish wastage etc from the work site and transporation of the same by truck with in a lead of 10 Km and disposal of the same out side the dumping area, including all labour charges, hire charges of truck with POL and operator, minor tools, GST, Cess etc., Complete.	5.00		Cum	0.00
		Total			0.00