ASSAM POWER GENERATION CORPORATION LIMITED

OFFICE OF THE CHIEF GENERAL MANAGER (HYDRO & CIVIL),
BIJULEE BHAWAN, GUWAHATI-781001



TENDER DOCUMENT FOR

NIT NO: -	Tender Notio	ce No. 14 of 2020-21 of CGM (H & C) dtd: 15.12.2020
NAME OF 7	THE WORK: -	Repairing of quarter no. Type-IV/99, 105, 123, 129 and 136 at NTPS
Issued to:		December-2020
	Name:-	
	Address: –	
Issued by:		

Price: - ₹ 500/- (Non Refundable)

INDEX

<u>Chapter</u>		<u>Pag</u>	e No
Chapter-I	Tender Notice		2
Chapter-II	Terminology		4
Chapter-III	Instruction for bidders and special Conditions		5
Chapter-IV	Safety Engineering and Safety Code		11
Chapter-V	Contractor's Camp		12
Chapter-VI	Declaration		13
Chapter-VII	DECLARATION OF LITIGATION		14
Chapter-VIII	Schedule of works (Annexure-A)		15

CHAPTER-I

TENDER NOTICE



ASSAM POWER GENERATION CORPORATION LIMITED

Registered Office: Bijulee Bhawan, 2nd floor, Paltanbazar, Guwahati-781 001, Assam. Email: cgmh2010@yahoo.in, Tele-Fax: 0361-2739522.

Chief General Manager (Hydro & Civil)

Date: 15/12/2020

Notice No. APGCL/CGM (H&C)/14 of 2020-21

The Chief General Manager (Hydro & Civil), APGCL, Bijulee Bhawan, Paltanbazar, Guwahati-1 invites sealed tenders in prescribed forms from bonafide, experienced and financially sound contractors/firms for the following works:

		Tendered	Earnes	t Money	Time of
Sl. No.	Name of work	amount (Rs.) (including GST)	General (Rs.)	SC/ST/OBC (Rs.)	completion
1	Repairing of quarter no. Type-C/25, 26, 32 and 34 at NTPS	Rs. 7,68,174.00	Rs. 15,364.00	Rs. 7,682.00	50 days
2	Repairing of quarter no. Type-IV/01, 05, 12, 13 and 14 at NTPS	Rs. 7,59,950.00	Rs. 15,200.00	Rs. 7,600.00	50 days
3	Repairing of quarter no. Type-IV/20, 22, 26, 27 and 28 at NTPS	Rs. 8,04,210.00	Rs. 16,084.00	Rs. 8,042.00	50 days
4	Repairing of quarter no. Type-IV/34, 37, 41, 50, 55 and 57 at NTPS	Rs. 8,25,458.00	Rs. 16,510.00	Rs. 8,255.00	50 days
5	Repairing of quarter no. Type-IV/99, 105, 123, 129 and 136 at NTPS	Rs. 7,13,326.00	Rs. 14,266.00	Rs. 7,133.00	50 days

The bid documents may be obtained from the office of the Chief General Manager (Hydro & Civil), APGCL on written request to the Chief General Manager (Hydro & Civil), during office hours on all working days w.e.f. 16/12/2020 to 22/12/2020 on payment (non-refundable) of Rs. 500.00 (Rupees five hundred only) in the shape of Demand Draft only from Nationalized/Schedule Bank in favour of Deputy General Manager (F & A), APGCL. The bid documents may also be downloaded from the website www.apgcl.org.

The cost of bid is to be deposited separately with the downloaded tenders along with Earnest Money. The tenders will be received up to 13.00 hours of 23/12/2020 and will be opened at 14.00 hours on the same day in presence of the tenderers or their authorized representatives. The Chief General Manager (Hydro & Civil), APGCL is not bound to accept the lowest rate and reserves the right to accept or reject any or all tenders without assigning any reason thereof. Any addendum/corrigendum/extension in respect of this tender shall be issued on APGCL's website: www.apgcl.org

Chief General Manager (Hydro & Civil), APGCL Memo No. APGCL/CGM(H&C)/W/2020-21/856/10(a)

Copy to: -

- 1) The Managing Director, APGCL, Bijulee Bhawan, Paltanbazar, Guwahati-1, for favour of kind information.
- 2) The Chief General Manager (Gen), APGCL, Bijulee Bhawan, Paltanbazar, Guwahati-1, for information.
- The Chief General Manager (F&A), APGCL, Bijulee Bhawan, Paltanbazar, Guwahati-1, for information.
- The General Manager, Design (Civil), APGCL, Narengi, Guwahati-781 026, for information and wide circulation.
- 5) The General Manager, NTPS, APGCL, Namrup, for information and wide circulation.
- 6) The Deputy General Manager, Investigation Circle, APGCL, Narengi, Guwahati-781 026, for information and wide circulation.
- 7) The Assistant General Manager (Civil), Namrup Civil Division, NTPS, APGCL, Namrup, for information and necessary action.
- 8) The P.R.O, APDCL, Bijulee Bhawan, Paltanbazar, Guwahati-1 for information with a request to publish the NIT in 1 (one) issue of Local Dailies in Regional and English language on or before 16/12/2020.

9) Relevant File.

Chief General Manager (Hydro & Civil), APGCL

Bonnavalle 15/12/20

Date: 15/12/2020

~ 3 ~

CHAPTER-II

1 TERMINOLOGY

- 1.01 APGCL wherever used in this document shall mean Assam Power Generation Corporation Limited incorporated vide The Companies Act 1961 in exercise of Powers conferred under the Act including subsequent amendments, if any. APGCL is a successor company of ASEB.
- 1.02 CGM (H&C) or owner or purchaser or project authority wherever used in this document shall mean the officer holding the post of the Chief General Manager (Hydro & Civil) APGCL, Guwahati (Assam), who or his authorized representative will exercise authority on behalf of the Department in respect of the Tender and the works specified herein.
- 1.03 Engineer-in-Charge/or engineer shall mean the Officer holding the charge of the Departmental post of General Manager/ Assistant General Manager (Civil) pertaining to supervision of works specified in this document
- The term 'Contractor' wherever used in this document shall mean the individual/firm or company who shall have entered into a contract agreement with the owner or the project authority, undertaking on his behalf to carry out the works in full or in part as may be specified in contract documents, and shall include in the case of an individual/ his heirs, administrators and permitted assignees, in case of a firm, the partners of the said firm, their respective heirs, executors, administrators and permitted assignees, and in case of a Company its successors and permitted assignees.
- 1.05 Contract documents shall mean and comprise the following documents and shall be the basis of agreement between the owner and the contractor for carrying out the works in accordance with the terms and conditions, specifications, drawings and directions contained in the said documents
 - a) Bid documents duly filled in respect of rates, process & signed, the tender forms properly filled in, signed and dated by the contractor & duly submitted
 - b) Contractor's original bid proposal and subsequent correspondences relating to clarifications and negotiations, if any, prior to award of the contract.
 - c) Equipment specifications and drawings, so far as applicable
 - d) Approved agreement forms duly signed, dated and sealed by the contractor and the owner as specified in the said forms
- 1.06 'Equipments' and 'Plants' shall mean and include all sorts of machineries and accessories, apparatus, instruments, components manufactured articles and parts etc. to be supplied or provided by the contractor under the terms of the contract, unless otherwise specified
- 1.07 The 'Works' shall unless be repugnant to such description shall be construed and taken to mean the works contracted, or by virtue of the contract agreement, to be executed whether temporary or permanent and whether original, altered, substituted or additional
- 1.08 The expression 'Specifications' wherever used in this document shall mean all the pertinent terms and stipulations furnished herein in respect of the work or part thereof and/or indicated in the drawings appended hereto and to be issued for construction and shall have reference also to other relevant terms and stipulations not furnished herein, but as far as applicable

CHAPTER-III

INSTRUCTION FOR BIDDERS AND SPECIAL CONDITIONS

NIT NO: - Tender Notice No. 14 of 2020-21 of CGM (H & C) dtd: 15.12.2020

BID INVITATION FOR: - Repairing of quarter no. Type-IV/99, 105, 123, 129 and 136 at NTPS

EARNEST MONEY DEPOSIT:

Rs. 14,266.00 (for General)

Rs. 7,133.00 (for SC/ST/OBC) (For Individual only)

1. <u>DUE DATE AND CLOSING TIME</u>

The bid will be received up to 1.00 p.m. on 23/12/2020. The opening time of the bids will be at 2.00 p.m. on the same day and the venue will be the office of the Chief General Manager (Hydro & Civil), APGCL. Bidders or their authorized representatives will make it convenient to attend the bid opening on time.

2. TIME OF COMPLETION OF WORK

The stipulated time of completion of the work is 50 (fifty) days from the date of handing over the site.

3. BID-GUARANTEE OR EARNEST MONEY DEPOSIT: (E.M.)

- 3.1 Every bid or tender shall be accompanied by a deposit of E.M for an amount indicated in the Tender Notice pertaining to the work (ordinarily equivalent to 2% of the estimated value of work, unless otherwise specified in the Notice), in the form of an acceptable **Demand Draft only from a Nationalized Bank pledged in favour of the Deputy General Manager (F & A), APGCL**, Guwahati. Irregular tender is liable to be rejected.
- 3.2 The E.M. as mentioned above will be returned to the respective unsuccessful bidder soon after the award of the contract. The E.M. will be retained towards the contract security deposit in the case of selected bidder or bidders in whose favour the contract is awarded. The APGCL will not entertain any claim for release of the E.M. during pendency in selection of contractors for awarding the contract. The APGCL will not pay any interest on the E.M. deposit.
- 3.3 The E.M. is liable to be forfeited in the absolute discretion of the CGM (H&C), APGCL, if a selected bidder revokes or causes to withdraw his offer / tender before the expiry of its validity or fails after the contract is awarded to him to execute the 'Contract agreement' with the APGCL described herein after (so far as applicable) or to commence the work within the period as notified in the work order.

4. PERFORMANCE –GUARANTEE OR SECURITY DEPOSIT (S.D.)

- 4.1 The security to be taken for due performance of the contract in terms of the 'contract agreement' will be a deduction of 10% (ten percent) from every ad-interim payment made on account of works performed, until the sum of these deductions and E.M. together becomes equal to 10 (ten) percent of the total executed value.
- 4.2 Such S.D. shall be forfeited or appropriated by the CGM (H&C), APGCL, Bijulee Bhawan, Guwahati under authority of the owner in his discretion towards any loss, damage etc. that may be sustained by the APGCL as a result of breach of any terms, conditions of the contract by the contractor, notwithstanding other remedies open to the APGCL under the terms of the contract or law
- 4.3 In the event of contractor's Security Deposit being appropriated towards loss, damage etc, the contractor shall forthwith recoup the amount to restore the Security Deposit to the full current value within 30 (thirty) days from the date of intimation.
- 4.4 Subject to the provisions mentioned above and the provisions of guarantee period of one year, the Security Deposit will be returned to the contractor on the due and satisfactory performance of the contract and after all claims of the APGCL shall have been settled. The APGCL will not pay any interest on the amount of Security Deposit of Performance Guarantee.

5. GOODS AND SERVICE TAX / INCOME TAX CERTIFICATE (PAN / GST):

All duties, taxes including Goods and Services Tax (GST) and other levies, royalty, building and construction workers cess (as applicable in states), payable by the bidder/Contractor under the Contract, or for any other cause as applicable on the last date of submission of Bid, shall be included in the rates, prices and the total Bid Price submitted by the Bidder. All investments, operating expenses, incidentals, overheads leads, lifts, carriages, tools, and plants etc. as may be attendant upon execution and completion of works shall also be included in the rates, prices and total Bid price submitted by the bidder.

However, such duties, taxes, levies etc. which is notified after the last date of submission of Bid and/ or any increase over the rate existing on the last date of submission of Bid shall be reimbursed by the company on production of documentary evidence in support of payment actually made to the concerned authorities.

Similarly if there is any decrease in such duties, taxes and levies the same shall become recoverable from the contractor. The details of such duties, taxes and other levies along with rates shall be declared by the bidder.

The Employer will perform such duties in regard to the deduction of such taxes at source as per applicable law.

- 5.2 The contractors must have a valid GST Registration No. and should submit copy of GST Certificate and attested copy of PAN Card.
- 5.3 Caste certificate must be produced where necessary.

6. <u>BIDDER'S QUALIFICATIONS:</u>

- 6.1 The Bidder should submit a list and description of similar or comparable works previously executed by him successfully during last three consecutive financial years indicating the individual volume and contract price along with the name and address of the respective owner / authority.
- 6.2 All prospective bidders are hereby notified that, before any bid submitted in response to this invitation is considered for award, the CGM (H&C), APGCL may require the bidder to submit a further statement of facts in detail as to the previous experience of the bidder and financial resource available with him for performing the contemplated work. The CGM (H&C), APGCL expressly reserves the right to reject any bid or which the facts as to business, financial and other resources or business experience, compared with the work bid upon, justify such rejection.
- 6.3 The Bidder should submit valid Labour License Certificate.
- 6.4 Civil Engineering firms/contractors with adequate experience of having successfully completed similar works during the last 7 years ending last day of month previous to the one in which applications are invited should be either of the following:
 - a. Three similar completed works costing not less than the amount equal to **Rs. 2.85 lakh (40% of the tendered amount).**

or

b. Two similar completed works costing not less than the amount equal to Rs. 3.56 lakh (50% of the tendered amount).

or

c. One similar completed work costing not less than the amount equal to Rs. 5.70 lakh (80% of the tendered amount).

They must submit such completion certificate with the tender.

- 6.5 Cost over run shall not be accepted.
- 6.6 Contractors should be financially sound to invest the amount and should submit necessary evidence on this account. Average Annual turnover during last three Financial Years i.e. 2018-19, 2017-18, 2016-17 should not be less Rs. 3.56 lakh (50% of the tendered amount).

7. BIDDER SHOULD EXAMINE & UNDERSTAND

7.1 All prospective bidders are required to thoroughly study and carefully examine all the terms and conditions, instructions, drawing & specifications pertaining to the work and visit the field of work to fully satisfy and acquaint themselves about the nature and location of work, the configuration of the ground. The spring level, the surface conditions, quality and quantity of materials required and their availability the type of equipments and facilities needed

preliminary to and during the execution of the work and local conditions which may affect the work or cost thereof. Failure to do so will be at the bidder's risk.

8. SUBMISSION OF TENDER

- 8.1 Bidders are to quote their rates against each item in clear money (Rupees) value per unit of work in the prescribed format.
- 8.2 The rates quoted by the bidders will be inclusive of all taxes, royalties and other statutory levies as applicable.
- 8.3 The specification of the items in BOQ shall be as per the APWD SOR. If any items of the BOQ are not in the SOR then its specifications shall be as per relevant drawings/ additional specifications.
- 8.4 Bidders should note that unusually low rates not feasible for execution may not be technically accepted.
- 8.5 Bidders should note that during the time of execution of work, any item not covered by the schedule of work if required to be done as per decision of the CGM (H&C)/ Engineer-in Charge of APGCL, they have to execute such work/works as supplementary item of works, rates of which will be calculated by using the following formulae:

$$R = (T'/T) * P$$

where, R= Rate of supplementary item of work

T'= Bid value

T= Tendered value

P= Accepted rate for the work on S.O.R. APWD Building (Civil Works) for the year 2013-2014

If the rate of such supplementary item/items is/are not available in the aforesaid S.O.R, the same will be analyzed by the department as per reasonable market price but in any case of dispute for rate of supplementary item/items, the decision of CGM (H&C) will be final and conclusive.

- 8.6 The quoted rates will be firm for entire period of completion of the work and no price escalation will be admissible.
- 8.7 Firms submitting tender should enclose a certified copy of the Firm's constitution and a certified copy of Power of Attorney authorizing a person to operate the tender and contract and should furnish full address of the partners and the persons holding power of attorney on behalf of the firm.
- 8.8 Information regarding litigation, current or during the last five years, in which the Bidder is involved with APGCL/AEGCL/APDCL, must be furnished, if any in the form of declaration. If there is no litigation, then the bidder is requested to submit NIL in the form of declaration.
- 8.9 In the event of the date specified for bid receipt and opening being declared as a closed holiday for Purchaser's office, the due date for submission of bids and opening of bids will be the following working day at the appointed date and place.
- 8.10 The Corporation cannot be held responsible for non-receipt and postal delay.
- 8.11 Every page of the tender to be duly signed and sealed (if any) by the tenderer.

9. AWARD OF CONTRACT

- 9.1 The contract will be awarded to that responsible bidder whose bid, confirming to the schedule conditions of contract and specifications will be most advantageous to the Department, price and other factors considered. An award mailed (or otherwise furnished) to the successful bidder within the time for acceptance specified in the bid will result in a binding contract without further action by either party. The CGM (H&C), APGCL does not bind itself to accept the lowest bid or any bid. As the interest of the Department may require, the right is reserved to reject any or all bids and to waive any minor informality or irregularity in bids received without assigning any reason thereof. Bid which are incomplete or which contain undesirable conditions are liable to rejection.
- 9.2 APGCL will try to make timely payment of bills, but on unavoidable circumstances cannot guarantee timely payment of bills, for which no interest on the payable amount will be entertained.

10. CONTRACT AGREEMENT

- 10.1 The 'Contract agreement' (or Tender Agreement) for the works will be drawn up with the selected bidder/bidders within 7 (Seven) days of issue of the work order and the contract documents will comprise as described herein before.
- The conditions of the F-2 form shall form part and parcel of the agreement. However wherever there is any contradiction or variation between the conditions of the F-2 form, the terms and conditions specified elsewhere in this document, the later will be treated as superseding the former. Terms and conditions shall be as per F-2 Form of agreement and has to follow accordingly. In the Form F-2 all the designations appearing as Executive Engineer/Sub divisional Officer shall be read as Chief General Manager (Hydro & Civil), Assam Power Generation Corporation Limited (herein after called as C.G.M (H&C), APGCL).
- In a case where the selected bidder fails to commence the work as shall be notified in the work order or fails to execute the tender agreement with the CGM (H&C), APGCL as stipulated herein before; the CGM (H&C), APGCL reserves the right to claim loss, damage etc. and take appropriate action under the terms of this document or law including forfeiture of E.M.

11. TOOLS & PLANTS

11.1 The APGCL shall not furnish any tools & tackle, plants and equipments or such facilities for carrying out the work by the contractor (excluding hypothecation). The contractor shall arrange and maintain the equipments required for implementation of work all throughout the period of the contract.

12. MATERIALS & LABOUR

- 12.1 All materials (this includes without limitation raw materials, parts, components etc.) and labourers required for carrying out the work shall be arranged and furnished by the contractor all throughout the tenure of the contract and strictly conform to relevant IS Code (latest revision).
- 12.2 The intending tenderers should inspect the prospective sources of collection of raw materials and fully satisfy him about the quality of materials, availability of materials, lead, and mode of transportation. The Department shall not consider, after acceptance of the contract, to pay any extra charge for lead or any other reasons, in case the contractor found later on, to have misjudged, the quality/quantity of availability of such materials from the source of collection.
- 12.3 APGCL shall not issue any construction materials such as cement, reinforcement bar, or any other materials.
- 12.4 In connection with the performance of work throughout the tenure of the contract, the engagement of labour and payment therefore by the contractor shall conform to the statute, the pertinent law or act of the Central & State Govts, as well as rules, regulations and orders of the local authorities or statuary bodies, as may be in force from time to time.
- 12.5 The materials procured for the work by the contractor shall be placed at site properly for inspection of Engineer-in charge before utilization. Any defecting materials should be replaced immediately for which no extra charge will be payable to contractor.

13. CHANGES IN QUANTITY AND ITEM

- 13.1 The CGM (H&C), APGCL may at any time, by a written order make changes within the general scope of the contract, in any one or more of the following
 - i) Quantity of any item
 - ii) Alteration or omission of any item
 - iii) Addition of any item
 - iv) Alteration in drawings, designs or specifications

If any such change causes an increase or decrease in the cost of or the time required for performance of the contract, an equitable adjustment shall be made in the contract price or time schedule or both and the contract shall be modified in writing accordingly. Any claim by the contractor for adjustment under this clause must be asserted within 30 days from the date of receipt by the contractor of the notification of change: PROVIDED HOWEVER, that the authority if decides that the facts justify such action, may receive and act upon any such claim asserted at any time prior to final payment under the contract. Failure to agree to any adjustment shall be a dispute concerning a question of fact within the meaning of the disputes

mentioned herein after. However nothing in this clause shall excuse the contractor from proceeding with the contract as changed.

14. INSPECTION

- 14.1 All works and all supplies (this term includes without limitation raw materials, parts, components, intermediate assemblies and end products) under the contract shall be subject to inspection and test by the CGM (Hydro & Civil), APGCL or his authorized person to the extent practicable at all times and places including the period of construction or manufacture and in any event prior to final acceptance.
- 14.2 In case any work or part thereof or/and any supply is found defective in material or workmanship or otherwise not in conformity with the specifications or drawings or requirements of the contract, the CGM (Hydro & Civil), APGCL shall have the right either to reject them or to require their correction, as directed by the department.
- 14.3 The inspection and test by the CGM (Hydro & Civil), APGCL or his authorized person of any work or any supplies does not relieve the contractor from any responsibility regarding defects or other failures to meet the contract requirements which may be discovered prior to final acceptance. Except as otherwise provided in this contract final acceptance shall be conclusive except as regards latent defects, fraud or such gross mistakes as amount to fraud.
- 14.4 The contractor shall provide and maintain an inspection system acceptable to the CGM (Hydro & Civil), APGCL covering the works and/or supplies hereunder. Records of all inspection works by the contractor shall be kept complete and available to the CGM (Hydro & Civil), APGCL during the performance of this contract.

15. FORCE MAJEURE

15.1 The contractor shall not be liable for any excess cost of any failure to perform the contract arises out of causes beyond the control and without the fault or negligence of the contractor (such as FORCE MAJEURE) PROVIDED THAT the contractor shall notify the authority in writing of the cause of any such delay, within fifteen (15) days from the beginning thereof or within such further period as the authority shall grant for the giving of such notice.

16. LIQUIDITY DAMAGE

16.1 The liquidated damages shall be payable for delay in completion of the work @ 1.0% (one percent) of the executed value per week. The liquidated damages so payable shall not exceed 10% (ten percent) of the executed value. However, the payment of liquidated damages shall not in any way relieve the Contractor from any of its obligations to complete the works or from any other obligations and liabilities of the Contractor under the Contract.

17. TERMS OF PAYMENT

- 1) Bills shall be entertained on the basis of actual measurement of completed works as per standard procedure.
- 2) Every payment shall be made subject to the availability of fund.

18. <u>CONTRACTUAL FAILURE</u>:

18.1 In the event of Contractual Failure of any respect on the part of the successful bidder, APGCL shall be entitled to forfeit the EMD or any money received from the bidder and may take appropriate action under the terms of the Contract or Law.

19. <u>SETTLEMENT OF DISPUTE:</u>

19.1 In the event of any dispute or differences at any time arising between the parties relating to work or any other clauses or any content of the right and liabilities of the parties or other matters specified therein or with reference to anything arising out of the such dispute or differences shall be endeavored to be resolved by mutual negotiation. If, however, such negotiation is infructuous, the dispute should be finally settled through Arbitration and Conciliation Act 1996 by three arbitrators appointed in accordance with the said Act. The decision of the arbitrator shall be final & binding upon the parties and the expense of the arbitration shall be paid as may be determined by the arbitrator in accordance with provisions of Arbitration and Conciliation Act 1996. The arbitration proceedings shall be held in Guwahati.

20. <u>TERMINATION:</u>

20.1 APGCL may, by not less than 7 (seven) days written notice may terminate the contract, if the contractor: (i) fails to remedy a failure in the performance of his obligations, (ii) becomes insolvent or bankrupt, (iii) submit to APGCL statement which has a material effect on the rights, obligations or interest of APGCL and which the contractor known to be false, (iv) as result of force majeure, if the whole work cannot be performed for a continuous period of 90 (ninety) days.

APGCL shall make payment upon termination to contractor the services performed by the contractor to the entire satisfaction of APGCL prior to date of termination.

CHAPTER-IV

SAFETY ENGINEERING & SAFETY CODE

1. SAFETY ENGINEREING

Accident prevention shall be an essential part of the programme of the contractor for all operations involve in performance of the contract under this invitation in order to reduce the cost of construction measures in terms of:

- a. Human life sacrificed
- b. Temporary and permanent injuries to workers.
- c. Loss of materials resulting from accidents.
- d. Loss of damage to equipment.
- e. The cost of workman's compensation insurance.
- f. Loss of times due to accidents.

Suitable safety programme to be developed to cope with the particular hazards for each operations of the performance of the contract.

2. <u>INSPECTION</u>

To ensure effective enforcement of the rules and regulations relating to safety precautions, the arrangements made by the contractor shall be open to inspect by the Engineer-in-Charge or his representative.

3. <u>COMPENSATION</u>

No extra charges or additional compensation will be admissible to the contractor by the department for any work done to comply with the provisions of safety Engineering and Safety Code. The bid price of the contractor for various items shall include these incidental cost.

CHAPTER-V

CONTRACTOR'S CAMP

1. CAMP SITES

The contractor shall provide, maintain and operate under competent direction such camp facilities convenient to the site works under this contract as are necessary for housing, feeding and accommodation of his employees. The location, construction, operation and maintenance of such camps shall be subject to the approval of the Assistant General Manager/ Engineer in charge of the site.

2. <u>USE OF LAND FOR CONSTRUCTION PURPOSES</u>

Such land as may be available at work- site will be allowed to be used by the contractor for construction of his camps free of charge. However, development of clearances of the land will have to be done by the contractor at his own cost. The contractor will be responsible to clear and clean the site after completion of his works and handover the land to the Engineer-in-Charge. The contractor will be liable to pay compensation for any damages done to the land or neighboring area.

3. SANITATION IN CAMP SITE:

The temporary sanitation in the camp site should be properly maintained and hygienic so that pollution can be controlled and just before completion of the work site must be cleared properly.

CHAPTER-VI

DECLARATION

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

Signature of the tenderer
Full Name
(In Block letters)
Address
Phone/ Mobile
Data:

CHAPTER-VII

DECLARATION OF LITIGATION

Information on litigation history in which bidder is involved

Employer	Cause of Dispute	Amount involved	Remarks showing present
(APDCL/APGCL/AEGCL)			status

CHAPTER-VIII

Schedule of work:

ANNEXURE-A

To,

The Chief General Manager (Hydro & Civil), APGCL, Bijulee Bhawan

Paltanbazar, Guwahati-1

Sub: Submission of tender for the work "Repairing of quarter no. Type-IV/99, 105, 123, 129 and 136

at NTPS"

Ref: Your Tender Notice No. 14 of 2020-21 of CGM (H & C) dtd: 15.12.2020

Dear Sir,

A. (Schedule of item of work)

A. Repairing of quarter no. Type-IV/99 at NTPS

Sl. No.	Description of Item	Unit	Quantity	Rate	Amount (Rs)
1	Dismantling wood work in frames, trusses, purlins	cum	0.161		
	and rafters including stacking the materials as				
	directed by the department for all levels.				
2	Providing undressed wood work in roof truss, rafter,	cum	0.161		
	purlin, tie and the like including hoisting and fixing in				
	position with necessary spikes, nails including M.S				
	straps with bolt and nuts etc. complete with kiricide				
	oiling two coats to all timber members and two coats				
	of anticorrosive paint to M.S straps (M.S flats, angle				
	cleats, and bolt and nuts required for flat and angle				
	cleats wherever used shall be measured and paid				
	separately)				
	(b) With Hollock/ Sundi/ Sam				
3	Providing wood work in frame (chowkaths) of doors,	cum	0.106		
	windows, clerestory windows and other similar works				
	wrought, framed and fixed in position in contact with				
	C.C or brick masonry wall including supplying, fitting				
	and fixing with M.S. hold fast (40mmx3mmx250mm)				
	as per design embeded in cement concrete block in				
	proportion 1:2:4 and with two coats of kiricide oiling to				
	the timber faces in contact with C.C and masonry as				
	directed and specified.				
	(b) With 1st class timber (Bonsum/ Sundi)				
4	Dismantling all types of corrugated/ trapezoidal sheet	sqm	30.70		
	roofing including ridges, hips, valleys and gutters etc.				
	and stacking the materials as directed by the				
	department for all levels				

5	Providing corrugated galvenised Iron sheet roofing of TATA SHAKTEE / SAIL including fitting and fixing	sqm	18.70	
	necessary galvenised J or L hooks, bolts and nuts 8			
	mm dia with bitumen washer 25 mm dia x 3 mm thick			
	and 1.6 mm thick limpet washer complete excluding			
	cost of roof truss, purlin etc. (Roof trusses and purlin			
	etc. to be measured and paid separately).			
	(c) 0.55 mm thick			
6	Providing galvd iron ridging of TATA SHAKTEE /	Rm	12.00	
	SAIL including supplying and fixing necessary galvd			
	screws/washers etc. complete as directed.			
	(a) 0.55 mm thick			
	(i) 150 mm lapping			
7	Painting one coats on old G.C.I sheets with ready	sqm	101.69	
•	mixed anticorrosive paint of approved brand and	Sqiii	101.00	
	shade suitable for painting over G.C.I sheets to give			
	an even shade including the cleaning the rust patches			
	with emery paper, dust ,dirt, grease and other foreign			
	matter with water complete.		101.00	
8	Extra over item no. 10 for every subsequent coat of paint.	sqm	101.69	
9	Providing barge board of size 200mm x 20mm with 1st	Rm	11.00	
	class local Hollock/ Bonsum timber including fitting			
	and fixing with necessary wood screws etc. complete.			
10	Dismantling all types of ceiling, partition and wall	sqm	7.20	
10	lining and stacking the materials as directed by the	Sqiii	1.20	
	department for all levels			
11	Providing, fitting and fixing hard board sheet ceiling	sqm	7.20	
	with approved quality with necessary nails, wood			
	screws including 1st class local wood 50mm x 12mm			
	(hollock/ bonsum/ sundi) beading including paining			
	two coats to timber beads complete as directed (ceiling			
	joist to be measured and paid separately).			
	(c). 6 mm thick			
12	Providing, fitting and fixing fully glazed window with	sqm	2.03	
	sash bars including oxidised M.S butt hinges (75mmx			
	60mmx3.15mm) 2nos.on each leaf and 3 nos. on single			
	leaf (glass panes to be measured and paid separately)			
	B) With Holock/Gamari/Bonsum wood.			
	(ii) 35mm thick			
13	Providing and fixing clear sheet glass beded in putty	sqm	1.84	
	and fixed with/without wooden bidding including	-		
	necessary cutting and glass to be required			
	sized(payment for wooden bead shall be made			
	separately)			
	(2). Area of glass panes exceeding 0.15m2 but not			
	exceeding 0.52m2.			
	(b). 4.00mm thick.			
14	Providing Antiskid Tiles of approved quality size,	sqm	13.21	
	shape not less than 8mm on floor, skirting over a	~q		
	cement mortar bed 15mm thick of 1:3 (1 cement: 3			
	coarse sand) approved make fix with Fix-A-Tile			
	(Choksey/Sika/Pedelite/Rouf)/ white cement complete			
	at all level as specified and directed.			
	at all level as specifica and unfected.			

	(A) CERAMIC				
	i) Normal range (Sizes 300 mm x 300mm and above)				
	(a) Orient made: Galaxy Brown, Galaxy creama,				
	Galaxy Pink, Galaxy Green, Pulsar Beige, Pulsar				
	Blue, Pulsar Dove, Pulsar Pink, Burj Brown, Burj				
	Green, Burj Slate				
15	10 mm thick Cement plaster in single coat on fair side	sqm	27.30		
	of brick/concrete walls for interior plastering up to 1st				
	floor level including arises or rounded angles not				
	exceeding 80mm girth and finished even and smooth				
	including curing complete as directed.				
	a) In cement mortar 1:3				
16	Providing polished ceramic wall tiles of approved	sqm	27.30		
	quality, size, shape and thickness not less than 8mm	_			
	on walls and skirting over cement mortar bed 10 mm				
	thick in prop. 1:3 (1 cement : 3 coarse sand) including				
	cutting where necessary finished with flush pointing				
	with Fix-A-Tile (Choksey / Sika / Pedelite / Rouf)				
	/white cement slurry mixed with approved pigment to				
	match shade of tiles complete at all levels as specified				
	and directed. (Cement plastering to be measured and				
	paid separately). (Coloured pigment should be in				
	conformity with colour of tiles and as approved and				
	directed by the Department). (Walls means both				
	interior and exterior walls).				
	a) Normal range				
	Somany/ Orient/Nitco/Asian Make				
	·				
	i) Of size 200mmx200mm and above				
17	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25	sqm	16.80		
17	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6	sqm	16.80		
17	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25	sqm	16.80		
17	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6	sqm	16.80		
17	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement : 3 coarse sand : 6 coarse aggregate of 12.5	sqm	16.80		
17	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in	sqm	16.80		
17	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement: 1 coarse sand	sqm	16.80		
17	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement: 1 coarse sand: 2 coarse aggregate of size 10mm down) finished with a floating coat of neat cement finish using cement	sqm	16.80		
17	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement: 1 coarse sand: 2 coarse aggregate of size 10mm down) finished with	sqm	16.80		
17	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement: 1 coarse sand: 2 coarse aggregate of size 10mm down) finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg per square metre of floor area, wearing layer is to be laid in panels including	sqm	16.80		
17	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement: 1 coarse sand: 2 coarse aggregate of size 10mm down) finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg per square metre of floor area, wearing layer is to be laid in panels including curing etc. complete as directed.	sqm	16.80 250.74		
	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement: 1 coarse sand: 2 coarse aggregate of size 10mm down) finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg per square metre of floor area, wearing layer is to be laid in panels including curing etc. complete as directed. Distempering with dry distemper of approved brand				
	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement: 1 coarse sand: 2 coarse aggregate of size 10mm down) finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg per square metre of floor area, wearing layer is to be laid in panels including curing etc. complete as directed. Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on				
	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement: 1 coarse sand: 2 coarse aggregate of size 10mm down) finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg per square metre of floor area, wearing layer is to be laid in panels including curing etc. complete as directed. Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on new wall surface to give an even shade, after				
	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement: 1 coarse sand: 2 coarse aggregate of size 10mm down) finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg per square metre of floor area, wearing layer is to be laid in panels including curing etc. complete as directed. Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on new wall surface to give an even shade, after thoroughly brushing the surface free from mortar				
	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement: 1 coarse sand: 2 coarse aggregate of size 10mm down) finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg per square metre of floor area, wearing layer is to be laid in panels including curing etc. complete as directed. Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on new wall surface to give an even shade, after thoroughly brushing the surface free from mortar droppings and other foreign matter and including				
18	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement: 1 coarse sand: 2 coarse aggregate of size 10mm down) finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg per square metre of floor area, wearing layer is to be laid in panels including curing etc. complete as directed. Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on new wall surface to give an even shade, after thoroughly brushing the surface free from mortar droppings and other foreign matter and including preparing surface even and sand papered smooth.	sqm	250.74		
	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement: 1 coarse sand: 2 coarse aggregate of size 10mm down) finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg per square metre of floor area, wearing layer is to be laid in panels including curing etc. complete as directed. Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on new wall surface to give an even shade, after thoroughly brushing the surface free from mortar droppings and other foreign matter and including preparing surface even and sand papered smooth. Finishing wall with water proofing cement paint of				
18	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement: 1 coarse sand: 2 coarse aggregate of size 10mm down) finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg per square metre of floor area, wearing layer is to be laid in panels including curing etc. complete as directed. Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on new wall surface to give an even shade, after thoroughly brushing the surface free from mortar droppings and other foreign matter and including preparing surface even and sand papered smooth. Finishing wall with water proofing cement paint of approved brand and manufacture and of required	sqm	250.74		
18	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement: 1 coarse sand: 2 coarse aggregate of size 10mm down) finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg per square metre of floor area, wearing layer is to be laid in panels including curing etc. complete as directed. Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on new wall surface to give an even shade, after thoroughly brushing the surface free from mortar droppings and other foreign matter and including preparing surface even and sand papered smooth. Finishing wall with water proofing cement paint of approved brand and manufacture and of required shade on old wall surface (one coat) to give an even	sqm	250.74		
18	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement: 1 coarse sand: 2 coarse aggregate of size 10mm down) finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg per square metre of floor area, wearing layer is to be laid in panels including curing etc. complete as directed. Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on new wall surface to give an even shade, after thoroughly brushing the surface free from mortar droppings and other foreign matter and including preparing surface even and sand papered smooth. Finishing wall with water proofing cement paint of approved brand and manufacture and of required shade on old wall surface (one coat) to give an even shade after thoroughly brooming the surfaces to	sqm	250.74		
18	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement: 1 coarse sand: 2 coarse aggregate of size 10mm down) finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg per square metre of floor area, wearing layer is to be laid in panels including curing etc. complete as directed. Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on new wall surface to give an even shade, after thoroughly brushing the surface free from mortar droppings and other foreign matter and including preparing surface even and sand papered smooth. Finishing wall with water proofing cement paint of approved brand and manufacture and of required shade on old wall surface (one coat) to give an even shade after thoroughly brooming the surfaces to remove all dirt and remains of loose or softened paint.	sqm	250.74		
18	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement: 1 coarse sand: 2 coarse aggregate of size 10mm down) finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg per square metre of floor area, wearing layer is to be laid in panels including curing etc. complete as directed. Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on new wall surface to give an even shade, after thoroughly brushing the surface free from mortar droppings and other foreign matter and including preparing surface even and sand papered smooth. Finishing wall with water proofing cement paint of approved brand and manufacture and of required shade on old wall surface (one coat) to give an even shade after thoroughly brooming the surfaces to remove all dirt and remains of loose or softened paint. Extra over item no. 19 above for every subsequent coat	sqm	250.74		
18	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement: 1 coarse sand: 2 coarse aggregate of size 10mm down) finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg per square metre of floor area, wearing layer is to be laid in panels including curing etc. complete as directed. Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on new wall surface to give an even shade, after thoroughly brushing the surface free from mortar droppings and other foreign matter and including preparing surface even and sand papered smooth. Finishing wall with water proofing cement paint of approved brand and manufacture and of required shade on old wall surface (one coat) to give an even shade after thoroughly brooming the surfaces to remove all dirt and remains of loose or softened paint. Extra over item no. 19 above for every subsequent coat of water proofing cement paint of approved brand and	sqm	250.74		
18	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement: 1 coarse sand: 2 coarse aggregate of size 10mm down) finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg per square metre of floor area, wearing layer is to be laid in panels including curing etc. complete as directed. Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on new wall surface to give an even shade, after thoroughly brushing the surface free from mortar droppings and other foreign matter and including preparing surface even and sand papered smooth. Finishing wall with water proofing cement paint of approved brand and manufacture and of required shade on old wall surface (one coat) to give an even shade after thoroughly brooming the surfaces to remove all dirt and remains of loose or softened paint. Extra over item no. 19 above for every subsequent coat of water proofing cement paint of approved brand and manufactured.	sqm	250.74		
18	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement: 1 coarse sand: 2 coarse aggregate of size 10mm down) finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg per square metre of floor area, wearing layer is to be laid in panels including curing etc. complete as directed. Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on new wall surface to give an even shade, after thoroughly brushing the surface free from mortar droppings and other foreign matter and including preparing surface even and sand papered smooth. Finishing wall with water proofing cement paint of approved brand and manufacture and of required shade on old wall surface (one coat) to give an even shade after thoroughly brooming the surfaces to remove all dirt and remains of loose or softened paint. Extra over item no. 19 above for every subsequent coat of water proofing cement paint of approved brand and	sqm	250.74		
19	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement: 1 coarse sand: 2 coarse aggregate of size 10mm down) finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg per square metre of floor area, wearing layer is to be laid in panels including curing etc. complete as directed. Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on new wall surface to give an even shade, after thoroughly brushing the surface free from mortar droppings and other foreign matter and including preparing surface even and sand papered smooth. Finishing wall with water proofing cement paint of approved brand and manufacture and of required shade on old wall surface (one coat) to give an even shade after thoroughly brooming the surfaces to remove all dirt and remains of loose or softened paint. Extra over item no. 19 above for every subsequent coat of water proofing cement paint of approved brand and manufactured.	sqm sqm	250.74 103.69		
19	i) Of size 200mmx200mm and above 40 mm thick cement concrete floor consisting of 25 mm under layer of cement concrete in prop. 1:3:6 (1cement: 3 coarse sand: 6 coarse aggregate of 12.5 mm and down) and 15 mm thick wearing layer in cement concrete in prop. 1:1:2 (1cement: 1 coarse sand: 2 coarse aggregate of size 10mm down) finished with a floating coat of neat cement finish using cement slurry for bond @ 2.75 kg per square metre of floor area, wearing layer is to be laid in panels including curing etc. complete as directed. Distempering with dry distemper of approved brand and manufacture (two coats) and of required shade on new wall surface to give an even shade, after thoroughly brushing the surface free from mortar droppings and other foreign matter and including preparing surface even and sand papered smooth. Finishing wall with water proofing cement paint of approved brand and manufacture and of required shade on old wall surface (one coat) to give an even shade after thoroughly brooming the surfaces to remove all dirt and remains of loose or softened paint. Extra over item no. 19 above for every subsequent coat of water proofing cement paint of approved brand and manufactured. Painting one coat (excluding priming coat) on old wood	sqm sqm	250.74 103.69		

_		1		1		
	dust and other foreign matter sand papering and					
	stopping.					
	(i).Surfaces over 100mm in width or girth.					
	a). General purpose (Asian paint/ Berger paint/ ICI					
	paint/ J & N paint/ Nerolac).					
22	Providing plinth protection 50mm thick to cement	sqm	20.00			
	concrete 1:3:6 with coarse agg. of 20mm nominal					
	size including finishing the surface with 10mm thick					
	cement plaster in proportion 1:3 with a floating coat of					
	neat cement finished.					
23	Supplying fitting and fixing PVC pipes of 6 Kg/cm2	Rm	1			
	(Supreme/Prince) or other ISI approved including					
	joining, fitting and fixing with clamps etc. as					
	necessary complete at all levels including below GL as					
	directed and specified.					
	a) In exposed surface or in trenches.					
	(ii) 110 mm dia.					
24	Renewing vitreous water closet squatting pan (Indian	1	1			
24		each	1			
	type WC Orissa pattern) with all fittings and fixtures					
	complete including cutting and making good to the					
	walls and floors wherever required. (Flushing Cistern					
	to be paid separately)					
	Indian type WC Orissa pattern of size 580 x 440 mm					
	a) White					
	i) Parryware make					
25	Renewing PVC flushing cistern with all internal	each	1			
	fittings with CI brackets including fitting and fixing					
	standard size CP flush pipe, union clamps etc,					
	complete as directed and specified (pipes will be					
	measured separately)					
	i) Parryware make					
	a) White					
	(i)Economy Single Flush (Cat No. C8090/C8055)					
	Total in figures			1	L	
	,					
	Total in words					
1						

B. Repairing of quarter no. Type-IV/105 at NTPS

Sl. No.	Description of Item	Unit	Quantity	Rate	Amount (Rs)
1	Dismantling wood work in frames, trusses, purlins	cum	0.114		
	and rafters including stacking the materials as				
	directed by the department for all levels.				
2	Providing undressed wood work in roof truss, rafter,	cum	0.114		
	purlin, tie and the like including hoisting and fixing in				
	position with necessary spikes, nails including M.S				
	straps with bolt and nuts etc. complete with kiricide				
	oiling two coats to all timber members and two coats				
	of anticorrosive paint to M.S straps (M.S flats, angle				
	cleats, and bolt and nuts required for flat and angle				
	cleats wherever used shall be measured and paid				
	separately)				
	(b) With Hollock/ Sundi/ Sam				
3	Dismantling and removing the existing door and	each	13		
	window frame (chowkath) both wooden and steel of				
	different sizes without damaging the walls and				
	removing the frame and necessary repairs to the edges				
	of the walls as directed for all levels.				
	(i) Area of door/window up to 3.00 m2				
4	Providing wood work in frame (chowkaths) of doors,	cum	0.141		
	windows, clerestory windows and other similar works				
	wrought, framed and fixed in position in contact with				
	C.C or brick masonry wall including supplying, fitting				
	and fixing with M.S. hold fast (40mmx3mmx250mm)				
	as per design embeded in cement concrete block in				
	proportion 1:2:4 and with two coats of kiricide oiling to				
	the timber faces in contact with C.C and masonry as directed and specified.				
	(b) With 1st class timber (Bonsum/ Sundi)				
5	Dismantling all types of corrugated/ trapezoidal sheet	sqm	36.78		
0	roofing including ridges, hips, valleys and gutters etc.	sqiii	30.70		
	and stacking the materials as directed by the				
	department for all levels				
6	Providing corrugated galvenised Iron sheet roofing of	sqm	21.78		
	TATA SHAKTEE / SAIL including fitting and fixing	~ 4			
	necessary galvenised J or L hooks, bolts and nuts 8				
	mm dia with bitumen washer 25 mm dia x 3 mm thick				
	and 1.6 mm thick limpet washer complete excluding				
	cost of roof truss, purlin etc. (Roof trusses and purlin				
	etc. to be measured and paid separately).				
	(c) 0.55 mm thick				
7	Providing galvd iron ridging of TATA SHAKTEE /	Rm	15.00		
	SAIL including supplying and fixing necessary galvd				
	screws/washers etc. complete as directed.				
	(a) 0.45 mm thick				
	(ii) 230 mm lapping				
8	Painting one coats on old G.C.I sheets with ready	sqm	101.69		
	mixed anticorrosive paint of approved brand and				
	shade suitable for painting over G.C.I sheets to give				
	an even shade including the cleaning the rust patches				

				T	
	with emery paper, dust, dirt, grease and other foreign				
	matter with water complete.		101.00		
9	Extra over item no. 9 for every subsequent coat of	sqm	101.69		
	paint.		15.00		
10	Providing barge board of size 200mm x 20mm with 1st	Rm	15.00		
	class local Hollock/ Bonsum timber including fitting				
	and fixing with necessary wood screws etc. complete.				
11	Providing and fixing flush door shutters solid core	sqm	5.40		
	construction with frame of 1st class hard wood with				
	cross band and face veneered ply wood face panels				
	conforming to relevant I.S code including oxidised iron				
	butt hinges (100mm x 75mm x 3.5mm) 6 nos. with				
	necessary wood screws.				
	b) Non decorative type and block board core.				
	(ii) 35 mm thick.				
12	Supplying, fitting, fixing electrocoloured iron fittings	each	6		
	of approved make, reasonably smooth, free from sharp				
	edges and corners, flaws and other defects and with				
	counter sunk holes for wood screws including				
	necessary screws etc. complete.				
	a) Sliding door bolts				
10	i) 300mm x 16mm		¥ 00		
13	Providing, fitting and fixing fully glazed window with	sqm	5.99		
	sash bars including oxidised M.S butt hinges (75mmx				
	60mmx3.15mm) 2nos.on each leaf and 3 nos. on single				
	leaf (glass panes to be measured and paid separately)				
	B) With Holock/Gamari/Bonsum wood.				
1.4	(ii) 35mm thick		1 47		
14	Providing and fixing clear sheet glass beded in putty	sqm	1.47		
	and fixed with/without wooden bidding including				
	necessary cutting and glass to be required sized(payment for wooden bead shall be made				
	separately)				
	(2). Area of glass panes exceeding 0.15m2 but not				
	exceeding 0.52m2.				
	(b). 4.00mm thick.				
15	Providing Antiskid Tiles of approved quality size,	sam	13.21		
10	shape not less than 8mm on floor, skirting over a	sqm	13.41		
	cement mortar bed 15mm thick of 1:3 (1 cement: 3				
	coarse sand) approved make fix with Fix-A-Tile				
	(Choksey/Sika/Pedelite/Rouf)/ white cement complete				
	at all level as specified and directed.				
	(A) CERAMIC				
	i) Normal range (Sizes 300 mm x 300mm and above)				
	(a) Orient made: Galaxy Brown, Galaxy creama,				
	Galaxy Pink, Galaxy Green, Pulsar Beige, Pulsar				
	Blue, Pulsar Dove, Pulsar Pink, Burj Brown, Burj				
	Green, Burj Slate				
16	10 mm thick Cement plaster in single coat on fair side	sqm	27.30		
	of brick/concrete walls for interior plastering up to 1st				
	floor level including arises or rounded angles not				
	exceeding 80mm girth and finished even and smooth				
	including curing complete as directed.				
	a) In cement mortar 1:3				
					1

17	Providing polished ceramic wall tiles of approved	sqm	27.30	
	quality, size, shape and thickness not less than 8mm			
	on walls and skirting over cement mortar bed 10 mm			
	thick in prop. 1:3 (1 cement : 3 coarse sand) including			
	cutting where necessary finished with flush pointing			
	with Fix-A-Tile (Choksey / Sika / Pedelite / Rouf)			
	/white cement slurry mixed with approved pigment to			
	match shade of tiles complete at all levels as specified			
	and directed. (Cement plastering to be measured and			
	paid separately). (Coloured pigment should be in			
	conformity with colour of tiles and as approved and			
	directed by the Department). (Walls means both			
	interior and exterior walls).			
	a) Normal range			
	Somany/ Orient/Nitco/Asian Make			
	i) Of size 200mmx200mm and above			
18	40 mm thick cement concrete floor consisting of 25	sqm	31.20	
	mm under layer of cement concrete in prop. 1:3:6			
	(1cement : 3 coarse sand : 6 coarse aggregate of 12.5			
	mm and down) and 15 mm thick wearing layer in			
	cement concrete in prop. 1:1:2 (1cement :1 coarse sand			
	: 2 coarse aggregate of size 10mm down) finished with			
	a floating coat of neat cement finish using cement			
	slurry for bond @ 2.75 kg per square metre of floor			
	area , wearing layer is to be laid in panels including			
	curing etc. complete as directed.			
19	Distempering with dry distemper of approved brand	sqm	250.74	
	and manufacture (two coats) and of required shade on			
	new wall surface to give an even shade, after			
	thoroughly brushing the surface free from mortar			
	droppings and other foreign matter and including			
	preparing surface even and sand papered smooth.			
20	Finishing wall with water proofing cement paint of	sam	103.69	
20		sqm	105.09	
	approved brand and manufacture and of required			
	shade on old wall surface (one coat) to give an even			
	shade after thoroughly brooming the surfaces to			
	remove all dirt and remains of loose or softened paint.			
21	Extra over item no. 22 above for every subsequent coat	sqm	103.69	
	of water proofing cement paint of approved brand and			
	manufactured.			
22	Painting one coat (excluding priming coat) on old	sqm	155.46	
	wood and wood based surfaces with enamel paint to			
	give an even shade including cleaning the surface of			
	all dirt, dust and other foreign matter sand papering			
	and stopping.			
	(i).Surfaces over 100mm in width or girth.			
	a). General purpose (Asian paint/ Berger paint/ ICI			
	paint/ J & N paint/ Nerolac).			
23	Providing plinth protection 50mm thick to cement	sqm	12.50	
	concrete 1:3:6 with coarse agg. of 20mm nominal			
	size including finishing the surface with 10mm thick			
	cement plaster in proportion 1:3 with a floating coat of			
	neat cement finished.			
	near coment innenca.			1

24	Providing drain with brick work in cement mortar in	Rm	25.00		
	proportion 1:5 with half brick thick side walls and				
	100mm thick C.C (1:3:6) base over one brick flat soling				
	including 15mm thick cement plastering in prop. 1:3				
	finished with a floating coat of cement slurry as				
	directed with necessary shuttering for sides and earth				
	work in excavation of foundation trenches and				
	refilling the sides after completion of work etc. as				
	specified.				
25	Brick work in cement morter with 1st class brick	cum	0.47		
	including racking out joints and curing complete as				
	directed.				
	(I) In Sub-structure upto plinth level including				
	dewatering if necessary				
	(c) In proportion 1:5.				
9.0		D			
26	Supplying fitting and fixing PVC pipes of 6 Kg/cm2	Rm	2		
	(Supreme/Prince) or other ISI approved including				
	joining, fitting and fixing with clamps etc. as				
	necessary complete at all levels including below GL as				
	directed and specified.				
	a) In exposed surface or in trenches.				
	(iii) 90 mm dia.				
27	Renewing vitreous water closet squatting pan (Indian	each	1		
	type WC Orissa pattern) with all fittings and fixtures	Cucii	1		
	complete including cutting and making good to the				
	walls and floors wherever required. (Flushing Cistern				
	to be paid separately)				
	Indian type WC Orissa pattern of size 580 x 440 mm				
	a) White				
	i) Parryware make				
28	Renewing PVC flushing cistern with all internal	each	1		
	fittings with CI brackets including fitting and fixing				
	standard size CP flush pipe, union clamps etc,				
	complete as directed and specified (pipes will be				
	measured separately)				
	i) Parryware make				
	a) White				
	(i)Economy Single Flush (Cat No. C8090/C8055)	,			
29	Renewing wash basin with C.P. brass chain with plug,	each	1		
	PVC waste pipe including painting of fittings and				
	brackets, cutting and making good the walls wherever				
	required. (Pillar cocks, stop cocks, waste coupling are				
	to be paid separately).				
	Basin (without pedestral)				
	(A) Parryware make				
	(a) White				
	(i) Star Basin 550x400 (Cat. No. C0450)				
30	Supplying and fitting fixing C.P. pillar cock of 15mm	each	2	1	
30		eacn	∠		
	dia of jaquar make as specified and directed.				
	Elbow action pillar cock (Agmeco)				
	(a) MS-481/Regular				
31	Supplying fitting and fixing C.P. stop cock of approved	each	1		
	brand of size as mentioned below and directed and				
	specified. (G.I. and C.P. pipes will be measured				
	separately)				
	I - V'	I		1	1

	I) Brass stop cock heavy			
	(i) 15 mm dia			
32	Providing and fixing composite Internal seal compression fittings as per ASTM F-1282-1995 annexure for water supply e.g. tees, elbows, reducers, connectors, couplers and clamps with jointing, testing compelete including cutting and making good etc. e) 3240	each	1	
33	Providing fitting and fixing mirror with plastic frame of size 500mm x 400mm complete as directed and specified.	each	1	
	Total in figures			
	Total in words			

C. Repairing of quarter no. Type-IV/123 at NTPS

Sl. No.	Description of Item	Unit	Quantity	Rate	Amount (Rs)
1	Dismantling and removing the existing door and window frame (chowkath) both wooden and steel of different sizes without damaging the walls and removing the frame and necessary repairs to the edges of the walls as directed for all levels.	each	6		
	(i) Area of door/window up to 3.00 m2				
2	Providing wood work in frame (chowkaths) of doors, windows, clerestory windows and other similar works wrought, framed and fixed in position in contact with C.C or brick masonry wall including supplying, fitting	cum	0.088		
	and fixing with M.S. hold fast (40mmx3mmx250mm) as per design embeded in cement concrete block in proportion 1:2:4 and with two coats of kiricide oiling to the timber faces in contact with C.C and masonry as				
	directed and specified. (b) With 1st class timber (Bonsum/ Sundi)				
3	Providing fitting and fixing 1st class local wood battened, ledged and braced door and window shutters including oxidised iron butt hinges (100mmx 58mmx1.90mm) 6 nos. with necessary screws. (a) Using Bonsum/Holok wood (ii) 20mm thick	sqm	2.56		
4	(ii) 20mm thick Providing, fitting and fixing full panelled doors/ windows including oxidised M.S butt hinges (100mm x75 mm x3.55mm) with necessary screws (other fittings to be measured and paid separately) C) With 1st class Local wood (Bola wood)	sqm	0.40		
5	(ii) 35 mm thick. Providing, fitting and fixing fully glazed window with sash bars including oxidised M.S butt hinges (75mmx 60mmx3.15mm) 2nos.on each leaf and 3 nos. on single leaf (glass panes to be measured and paid separately) B) With Holock/Gamari/Bonsum wood.	sqm	4.09		
6	(ii) 35mm thick Providing, fitting and fixing fully glazed clerestory window and fan light including fitting and fixing 2 M.S pivot hinges (75mm x 20mm x 3mm), eye hook and nylon chord complete (glass panes shall be measured and paid separately) (c) With 1st class local wood (II)35mm thick	sqm	0.66		
7	Supplying, fitting, fixing electrocoloured iron fittings of approved make, reasonably smooth, free from sharp edges and corners, flaws and other defects and with counter sunk holes for wood screws including necessary screws etc. complete. a) Sliding door bolts i) 300mm x 16mm	each	4		
8	Providing undressed wood work in roof truss, rafter, purlin, tie and the like including hoisting and fixing in position with necessary spikes, nails including M.S	cum	0.119		

	I			T	
	straps with bolt and nuts etc. complete with kiricide				
	oiling two coats to all timber members and two coats				
	of anticorrosive paint to M.S straps (M.S flats, angle				
	cleats, and bolt and nuts required for flat and angle				
	cleats wherever used shall be measured and paid				
	separately)				
	(b) With Hollock/ Sundi/ Sam				
9	Dismantling all types of ceiling, partition and wall	sqm	32.56		
	lining and stacking the materials as directed by the				
	department for all levels				
10	Providing, fitting and fixing hard board sheet ceiling	sqm	32.56		
	with approved quality with necessary nails, wood				
	screws including 1st class local wood 50mm x 12mm				
	(hollock/ bonsum/ sundi) beading including paining				
	two coats to timber beads complete as directed (ceiling				
	joist to be measured and paid separately).				
	(c). 6 mm thick				
11	Providing dressed wood work in post, walls,	cum	0.072		
	battens, post plate bressumers etc. including	- 5.221			
	supplying and fixing with spikes, nails, bolt and nuts				
	of 12mm dia(M.S) and required length etc. complete				
	with kiricide oiling two coats to faces in contact with				
	C.C or masonry (M.S flats, angle cleats and bolt and				
	nuts required for flats, angle cleats wherever use				
	shall be measured and paid separately)				
	(d) With Bola timber				
12	Providing wood work in frame of false ceiling	cum	0.143		
14	partitions etc. sawn, wrought, framed hoisted and	cum	0.140		
	fixed in position with spikes, nails, M.S flat, angle/				
	cleats with bolt and nuts complete including kiricide				
	oiling two coats to unexposed surfaces of the timber				
	(M.S flats, angle cleats, and bolt and nuts required for				
	flat, angle cleats wherever necessary shall be				
	measured and paid separately)				
	(b) With Gamari/ Bonsum/ Sundi				
10			20.50		
13	Providing, fitting and fixing in position false ceiling of	sqm	32.56		
	6mm thick Bison panel (cement bonded particle board)				
	on timber frame of 1st class local wood (Hollock/				
	Bonsum/ Sundi) of 50mm x 50mm spaced at not more				
	than 1.20m apart, fixed to the wall at the end with				
	necessary nails, wood screws, hooks, bolts etc.				
	including painting (one coat primer and two coats of				
	painting) as necessary complete as directed by the				
	Department for all levels.				
4.1	(a) Both sides commercial		10.00		
14	15 mm thick Cement plaster in single coat on single or	sqm	16.00		
	half brick wall for interior plastering up to 1st floor				
	level including arises, internal rounded angles, not				
	exceeding 80mm girth and finished even and smooth				
	including curing complete as directed.				
	B) On fair side				
	b) In cement mortar 1:4				
15	25 mm thick cement concrete topping 1:2:4 (1cement :	sqm	19.36		
	2 coarse sand: 4 coarse aggregate of 12 mm nominal	1		1	1
	size) finished with a floating coat of neat cement finish				

	to be laid in panels including curing complete as			I	
	directed.				
16	Dismantling all types of corrugated/ trapezoidal sheet	gam	15.24		
10	roofing including ridges, hips, valleys and gutters etc.	sqm	10.24		
	and stacking the materials as directed by the				
	department for all levels				
17	Providing corrugated galvenised Iron sheet roofing of	sqm	9.24		
1,	TATA SHAKTEE / SAIL including fitting and fixing	Sqiii	0.24		
	necessary galvenised J or L hooks, bolts and nuts 8				
	mm dia with bitumen washer 25 mm dia x 3 mm thick				
	and 1.6 mm thick limpet washer complete excluding				
	cost of roof truss, purlin etc. (Roof trusses and purlin				
	etc. to be measured and paid separately).				
	(c) 0.55 mm thick				
18	Providing galvd iron ridging of TATA SHAKTEE /	Rm	6.00		
	SAIL including supplying and fixing necessary galvd				
	screws/washers etc. complete as directed.				
	(a) 0.45 mm thick				
	(ii) 230 mm lapping				
19	Painting one coats on old G.C.I sheets with ready	sqm	101.69		
	mixed anticorrosive paint of approved brand and				
	shade suitable for painting over G.C.I sheets to give				
	an even shade including the cleaning the rust patches				
	with emery paper, dust ,dirt, grease and other foreign				
	matter with water complete.				
20	Extra over item no. 19 for every subsequent coat of	sqm	101.69		
	paint.				
21	Providing and fixing clear sheet glass beded in putty	sqm	1.96		
	and fixed with/without wooden bidding including				
	necessary cutting and glass to be required				
	sized(payment for wooden bead shall be made				
	separately) (2). Area of glass panes exceeding 0.15m2 but not				
	exceeding 0.52m2.				
	(b). 4.00mm thick.				
22	Providing Antiskid Tiles of approved quality size,	gam	13.21		
44	shape not less than 8mm on floor, skirting over a	sqm	10.41		
	cement mortar bed 15mm thick of 1:3 (1 cement: 3				
	coarse sand) approved make fix with Fix-A-Tile				
	(Choksey/Sika/Pedelite/Rouf)/ white cement complete				
	at all level as specified and directed.				
	(A) CERAMIC				
	i) Normal range (Sizes 300 mm x 300mm and above)				
	(a) Orient made: Galaxy Brown, Galaxy creama,				
	Galaxy Pink, Galaxy Green, Pulsar Beige, Pulsar				
	Blue, Pulsar Dove, Pulsar Pink, Burj Brown, Burj				
	Green, Burj Slate				
23	10 mm thick Cement plaster in single coat on fair side	sqm	27.30		
	of brick/concrete walls for interior plastering up to 1st				
	floor level including arises or rounded angles not				
	exceeding 80mm girth and finished even and smooth				
	including curing complete as directed.				
	a) In cement mortar 1:3				

24	Providing polished ceramic wall tiles of approved	sqm	27.30	
	quality, size, shape and thickness not less than 8mm			
	on walls and skirtings over cement mortar bed 10 mm			
	thick in prop. 1:3 (1 cement : 3 coarse sand) including			
	cutting where necessary finished with flush pointing			
	with Fix-A-Tile (Choksey / Sika / Pedelite / Rouf)			
	/white cement slurry mixed with approved pigment to			
	match shade of tiles complete at all levels as specified			
	and directed. (Cement plastering to be measured and			
	paid separately). (Coloured pigment should be in			
	conformity with colour of tiles and as approved and			
	directed by the Department). (Walls means both			
	interior and exterior walls).			
	a) Normal range			
	Somany/ Orient/Nitco/Asian Make			
	i) Of size 200mmx200mm and above			
25	Distempering with dry distemper of approved brand	sqm	250.74	
	and manufacture (two coats) and of required shade on			
	new wall surface to give an even shade, after			
	thoroughly brushing the surface free from mortar			
	droppings and other foreign matter and including			
	preparing surface even and sand papered smooth.			
26	Finishing wall with water proofing cement paint of	sqm	103.69	
	approved brand and manufacture and of required	~ 4		
	shade on old wall surface (one coats) to give an even			
	shade after thoroughly brooming the surfaces to			
	remove all dirt and remains of loose or softened paint.			
27	Extra over item no. 26 above for every subsequent coat	sqm	103.69	
	of water proofing cement paint of approved brand and	•		
	manufactured.			
28	Painting one coat (excluding priming coat) on old wood	sqm	155.46	
	and wood based surfaces with enamel paint to give an	Sqiii	100.10	
	even shade including cleaning the surface of all dirt,			
	dust and other foreign matter sand papering and			
	stopping.			
	(i).Surfaces over 100mm in width or girth.			
	a). General purpose (Asian paint/ Berger paint/ ICI			
	paint/ J & N paint/ Nerolac).			
29	Supplying fitting and fixing PVC pipes of 6 Kg/cm2	Rm	2	
20	(Supreme/Prince) or other ISI approved including	10111		
	joining, fitting and fixing with clamps etc. as			
	necessary complete at all levels including below GL as			
	directed and specified.			
	a) In exposed surface or in trenches.			
	(iii) 90 mm dia.			
30	Renewing vitreous water closet squatting pan (Indian	each	1	
30	type WC Orissa pattern) with all fittings and fixtures	Cacii	1	
	complete including cutting and making good to the			
	walls and floors wherever required. (Flushing Cistern			
	to be paid separately)			
	Indian type WC Orissa pattern of size 580 x 440 mm			
	a) White			
	i) Parryware make			
	1/ 1 allyware make			

31	Renewing PVC flushing cistern with all internal fittings with CI brackets including fitting and fixing standard size CP flush pipe, union clamps etc, complete as directed and specified (pipes will be measured separately) i) Parryware make a) White (i) Economy Single Flush (Cat No. C8090/C8055)	each	1	
32	Providing fitting and fixing PVC cowel of ISI make complete as directed and specified. (iii) 90 mm dia PVC cowel of ISI make.	each	1	
33	Supplying fitting and fixing PVC reducer of (Supreme/Prince) or other ISI approved including joining, fitting and fixing etc. as necessary complete at all levels including below G.L. as directed and specified. (a) In exposed surfaces or in trenches (iii) 110 mm X 90 mm	each	1	
34	Supplying fitting and fixing PVC single tee with door of (Supreme/Prince) or other ISI approved including joining, fitting and fixing etc. as necessary complete at all levels including below G.L. as directed and specified. (iii) 90 mm dia Total in figures	each	1	
	Total in words			

D. Repairing of quarter no. Type-IV/129 at NTPS

Sl. No.	Description of Item	Unit	Quantity	Rate	Amount (Rs)
1	Dismantling and removing the existing door and	each	7		
	window frame (chowkath) both wooden and steel of				
	different sizes without damaging the walls and				
	removing the frame and necessary repairs to the edges				
	of the walls as directed for all levels.				
	(i) Area of door/window up to 3.00 m2				
2	Providing wood work in frame (chowkaths) of doors,	cum	0.084		
	windows, clerestory windows and other similar works				
	wrought, framed and fixed in position in contact with				
	C.C or brick masonry wall including supplying, fitting				
	and fixing with M.S. hold fast (40mmx3mmx250mm)				
	as per design embeded in cement concrete block in				
	proportion 1:2:4 and with two coats of kiricide oiling to				
	the timber faces in contact with C.C and masonry as				
	directed and specified.				
	(b) With 1st class timber (Bonsum/ Sundi)				
3	Providing undressed wood work in roof truss, rafter,	cum	0.079		
5	purlin, tie and the like including hoisting and fixing in	Culli	0.075		
	position with necessary spikes, nails including M.S				
	straps with bolt and nuts etc. complete with kiricide				
	oiling two coats to all timber members and two coats				
	of anticorrosive paint to M.S straps (M.S flats, angle				
	cleats, and bolt and nuts required for flat and angle				
	cleats, and boit and nuts required for hat and angle cleats wherever used shall be measured and paid				
	separately)				
	(b) With Hollock/ Sundi/ Sam				
4	Providing corrugated galvenised Iron sheet roofing of		6.60		
4	TATA SHAKTEE / SAIL including fitting and fixing	sqm	0.60		
	necessary galvenised J or L hooks, bolts and nuts 8				
	mm dia with bitumen washer 25 mm dia x 3 mm thick				
	and 1.6 mm thick limpet washer complete excluding cost of roof truss, purlin etc. (Roof trusses and purlin				
	etc. to be measured and paid separately).				
	(c) 0.55 mm thick	D	2.00		
5	Providing galvd iron ridging of TATA SHAKTEE /	Rm	6.00		
	SAIL including supplying and fixing necessary galvd				
	screws/washers etc. complete as directed.				
	(a) 0.45 mm thick				
	(ii) 230 mm lapping				
6	Painting one coats on old G.C.I sheets with ready	sqm	101.69		
	mixed anticorrosive paint of approved brand and				
	shade suitable for painting over G.C.I sheets to give				
	an even shade including the cleaning the rust patches				
	with emery paper, dust ,dirt, grease and other foreign				
	matter with water complete.				
7	Extra over item no. 6 for every subsequent coat of	sqm	101.69		
	paint.				
8	Providing barge board of size 200mm x 20mm with 1st	Rm	10.00		
0	class local Hollock/ Bonsum timber including fitting		_5.50		

9	Supplying, fitting, fixing electrocoloured iron fittings of	approved	make, reas	sonably smootl	n, free from sharp
	edges and corners, flaws and other defects and with cour				
	screws etc. complete.				, , g,
9.01	a) Sliding door bolts	each	3		
	i) 300mm x 16mm				
9.02	d) MS door handles	each	6		
""	iii) 150mm				
10	Providing and fixing clear sheet glass beded in putty	sqm	1.60		
	and fixed with/without wooden bidding including	1			
	necessary cutting and glass to be required				
	sized(payment for wooden bead shall be made				
	separately)				
	(2). Area of glass panes exceeding 0.15m2 but not				
	exceeding 0.52m2.				
	(b). 4.00mm thick.				
11	Providing plinth protection 50mm thick to cement	sqm	15.00		
	concrete 1:3:6 with coarse agg. of 20mm nominal	1			
	size including finishing the surface with 10mm thick				
	cement plaster in proportion 1:3 with a floating coat of				
	neat cement finished.				
12	Brick work in cement morter with 1st class brick	cum	0.47		
	including racking out joints and curing complete as				
	directed.				
	(I) In Sub-structure upto plinth level including				
	dewatering if necessary				
	(c) In proportion 1:5.				
13	Providing drain with brick work in cement mortar in	Rm	15.00		
	proportion 1:5 with half brick thick side walls and				
	100mm thick C.C (1:3:6) base over one brick flat soling				
	including 15mm thick cement plastering in prop. 1:3				
	finished with a floating coat of cement slurry as				
	directed with necessary shuttering for sides and earth				
	work in excavation of foundation trenches and				
	refilling the sides after completion of work etc. as				
	specified.				
14	Providing precast R.C.C slab over drain, septic tank	sqm	1.80		
	etc. in prop. 1:2:4 reinforced with 10mm M.S. bar @				
	150mm centre both ways tying with 20 gauge black				
	annealed wire with necessary shuttering, curing etc.				
	complete including fixing in position as directed.				
	a) 100mm thick slab				
15	Providing Antiskid Tiles of approved quality size,	sqm	13.21		
	shape not less than 8mm on floor, skirting over a				
	cement mortar bed 15mm thick of 1:3 (1 cement: 3				
	coarse sand) approved make fix with Fix-A-Tile				
	(Choksey/Sika/Pedelite/Rouf)/ white cement complete				
	at all level as specified and directed.				
	(A) CERAMIC				
	i) Normal range (Sizes 300 mm x 300mm and above)				
	(a) Orient made: Galaxy Brown, Galaxy creama,				
	Galaxy Pink, Galaxy Green, Pulsar Beige, Pulsar				
	Blue, Pulsar Dove, Pulsar Pink, Burj Brown, Burj				
	Green, Burj Slate				

				1	1
16	10 mm thick Cement plaster in single coat on fair side	sqm	27.30		
	of brick/concrete walls for interior plastering up to 1st				
	floor level including arises or rounded angles not				
	exceeding 80mm girth and finished even and smooth				
	including curing complete as directed.				
	a) In cement mortar 1:3				
17	Providing polished ceramic wall tiles of approved	sqm	27.30		
	quality, size, shape and thickness not less than 8mm				
	on walls and skirting over cement mortar bed 10 mm				
	thick in prop. 1:3 (1 cement : 3 coarse sand) including				
	cutting where necessary finished with flush pointing				
	with Fix-A-Tile (Choksey / Sika / Pedelite / Rouf)				
	/white cement slurry mixed with approved pigment to				
	match shade of tiles complete at all levels as specified				
	and directed. (Cement plastering to be measured and				
	paid separately). (Coloured pigment should be in				
	conformity with colour of tiles and as approved and				
	directed by the Department). (Walls means both				
	interior and exterior walls).				
	a) Normal range				
	Somany/ Orient/Nitco/Asian Make				
- 10	i) Of size 200mmx200mm and above				
18	40 mm thick cement concrete floor consisting of 25	sqm	16.80		
	mm under layer of cement concrete in prop. 1:3:6				
	(1cement : 3 coarse sand : 6 coarse aggregate of 12.5				
	mm and down) and 15 mm thick wearing layer in				
	cement concrete in prop. 1:1:2 (1cement :1 coarse sand				
	: 2 coarse aggregate of size 10mm down) finished with				
	a floating coat of neat cement finish using cement				
	slurry for bond @ 2.75 kg per square metre of floor				
	area , wearing layer is to be laid in panels including				
	curing etc. complete as directed.				
19	Distempering with dry distemper of approved brand	sqm	250.74		
	and manufacture (two coats) and of required shade on				
	new wall surface to give an even shade, after				
	thoroughly brushing the surface free from mortar				
	droppings and other foreign matter and including				
	preparing surface even and sand papered smooth.				
20	Finishing wall with water proofing cement paint of	sqm	103.69		
	approved brand and manufacture and of required	_			
	shade on old wall surface (one coat) to give an even				
	shade after thoroughly brooming the surfaces to				
	remove all dirt and remains of loose or softened paint.				
21	Extra over item no. 20 above for every subsequent coat	sqm	103.69		
	of water proofing cement paint of approved brand and	4			
	manufactured.				
22	Painting one coat (excluding priming coat) on old wood	0.000	155.46		
44		sqm	155.46		
	and wood based surfaces with enamel paint to give an				
	even shade including cleaning the surface of all dirt,				
	dust and other foreign matter sand papering and				
	stopping.				
	(i).Surfaces over 100mm in width or girth.				
	a). General purpose (Asian paint/ Berger paint/ ICI				
	paint/ J & N paint/ Nerolac).				

23	Supplying fitting and fixing PVC pipes of 6 Kg/cm2 (Supreme/Prince) or other ISI approved including joining, fitting and fixing with clamps etc. as necessary complete at all levels including below GL as directed and specified. a) In exposed surface or in trenches. (iii) 90 mm dia.	Rm	3	
24	Renewing vitreous water closet squatting pan (Indian type WC Orissa pattern) with all fittings and fixtures complete including cutting and making good to the walls and floors wherever required. (Flushing Cistern to be paid separately) Indian type WC Orissa pattern of size 580 x 440 mm a) White i) Parryware make	each	1	
25	Renewing PVC flushing cistern with all internal fittings with CI brackets including fitting and fixing standard size CP flush pipe, union clamps etc, complete as directed and specified (pipes will be measured separately) i) Parryware make a) White (i) Economy Single Flush (Cat No. C8090/C8055) Total in figures	each	1	
	Total in words			

E. Repairing of quarter no. Type-IV/136 at NTPS

Sl. No.	Description of Item	Unit	Quantity	Rate	Amount (Rs)
1	Dismantling and removing the existing door and window frame (chowkath) both wooden and steel of different sizes without damaging the walls and removing the frame and necessary repairs to the edges of the walls as directed for all levels.	each	10		
	(ii) Area of door/window above 3.00 m2				
2	Providing wood work in frame (chowkaths) of doors, windows, clerestory windows and other similar works wrought, framed and fixed in position in contact with C.C or brick masonry wall including supplying, fitting and fixing with M.S. hold fast (40mmx3mmx250mm) as per design embeded in cement concrete block in proportion 1:2:4 and with two coats of kiricide oiling to the timber faces in contact with C.C and masonry as directed and specified. (b) With 1st class timber (Bonsum/ Sundi)	cum	0.119		
3	(a) Providing fitting and fixing 1st class local wood battened, ledged and braced door and window shutters including oxidised iron butt hinges (100mmx 58mmx1.90mm) 6 nos. with necessary screws. (a) Using Bonsum/Holok wood (ii) 20mm thick	sqm	2.56		
4	Providing, fitting and fixing full panelled doors/ windows including oxidised M.S butt hinges (100mm x75 mm x3.55mm) with necessary screws (other fittings to be measured and paid separately) C) With 1st class Local wood (Bola wood) (ii) 35 mm thick.	sqm	0.40		
5	Providing, fitting and fixing fully glazed window with sash bars including oxidised M.S butt hinges (75mmx 60mmx3.15mm) 2nos.on each leaf and 3 nos. on single leaf (glass panes to be measured and paid separately) B) With Holock/Gamari/Bonsum wood. (ii) 35mm thick	sqm	8.18		
6	Providing, fitting and fixing fully glazed clerestory window and fan light including fitting and fixing 2 M.S pivot hinges (75mm x 20mm x 3mm), eye hook and nylon chord complete (glass panes shall be measured and paid separately) C) With 1st class local wood (ii) 35mm thick	sqm	1.32		
7	Supplying, fitting, fixing electrocoloured iron fittings of approved make, reasonably smooth, free from sharp edges and corners, flaws and other defects and with counter sunk holes for wood screws including necessary screws etc. complete. a) Sliding door bolts i) 300mm x 16mm	each	4		
8	Providing and fixing 25mm thick wooden shutters for cup board including black enamelled M.S butt hinges (75mmx 40mmx1.12mm) 6 nos. with necessary wood	sqm	1.88		

	(6.11 11.1)				T
	screws (fully panelled)				
	(i) Using wooden plank				
	d) With 1st class local timber (Hollock)				
9	Providing undressed wood work in roof truss, rafter,	cum	0.130		
	purlin, tie and the like including hoisting and fixing in				
	position with necessary spikes, nails including M.S				
	straps with bolt and nuts etc. complete with kiricide				
	oiling two coats to all timber members and two coats				
	of anticorrosive paint to M.S straps (M.S flats, angle				
	cleats, and bolt and nuts required for flat and angle				
	cleats wherever used shall be measured and paid				
	separately)				
	(b) With Hollock/ Sundi/ Sam				
10	Dismantling all types of ceiling, partition and wall	sqm	44.10		
	lining and stacking the materials as directed by the				
	department for all levels				
11	Providing dressed wood work in post, walls,	cum	0.072		
	battens, post plate bressumers etc. including				
	supplying and fixing with spikes, nails, bolt and nuts				
	of 12mm dia(M.S) and required length etc. complete				
	with kiricide oiling two coats to faces in contact with				
	C.C or masonry (M.S flats, angle cleats and bolt and				
	nuts required for flats, angle cleats wherever use				
	shall be measured and paid separately)				
	(d) With Bola timber				
12	Providing wood work in frame (chowkaths) of doors,	cum	0.218		
12	windows, clerestory windows and other similar works	cum	0.210		
	wrought, framed and fixed in position in contact with				
	C.C or brick masonry wall including supplying, fitting				
	and fixing with M.S. hold fast (40mmx3mmx250mm)				
	as per design embeded in cement concrete block in				
	proportion 1:2:4 and with two coats of kiricide oiling to				
	the timber faces in contact with C.C and masonry as				
	directed and specified.				
	(b) With 1st class timber (Bonsum/ Sundi)				
13	Providing, fitting and fixing in position false ceiling of	2 2 222	69.29		
10	6mm thick Bison panel (cement bonded particle board)	sqm	09.29		
	on timber frame of 1st class local wood (Hollock/				
	Bonsum/ Sundi) of 50mm x 50mm spaced at not more				
	than 1.20m apart, fixed to the wall at the end with				
	necessary nails, wood screws, hooks, bolts etc.				
	including painting (one coat primer and two coats of				
	painting) as necessary complete as directed by the				
	Department for all levels.				
1./	(a) Both sides commercial		10.00		
14	15 mm thick Cement plaster in single coat on single or	sqm	16.00		
	half brick wall for interior plastering up to 1st floor				
	level including arises, internal rounded angles, not				
	exceeding 80mm girth and finished even and smooth				
	including curing complete as directed.				
	B) On fair side				
	b) In cement mortar 1:4			ļ	
15	25 mm thick cement concrete topping 1:2:4 (1cement:	sqm	20.24		
	2 coarse sand : 4 coarse aggregate of 12 mm nominal				
	size) finished with a floating coat of neat cement finish				

	to be laid in panels including curing complete as			1	
	directed.				
16	Dismantling all types of corrugated/ trapezoidal sheet		21.54		
10	roofing including ridges, hips, valleys and gutters etc.	sqm	21.04		
	and stacking the materials as directed by the				
	department for all levels				
17	Providing corrugated galvenised Iron sheet roofing of	sqm	12.54		
17	TATA SHAKTEE / SAIL including fitting and fixing	sqiii	12.04		
	necessary galvenised J or L hooks, bolts and nuts 8				
	mm dia with bitumen washer 25 mm dia x 3 mm thick				
	and 1.6 mm thick limpet washer complete excluding				
	cost of roof truss, purlin etc. (Roof trusses and purlin				
	etc. to be measured and paid separately).				
	(c) 0.55 mm thick				
18	Providing galvd iron ridging of TATA SHAKTEE /	Rm	9.00		
	SAIL including supplying and fixing necessary galvd				
	screws/washers etc. complete as directed.				
	(a) 0.45 mm thick				
	(ii) 230 mm lapping				
19	Painting one coats on old G.C.I sheets with ready	sqm	101.69		
	mixed anticorrosive paint of approved brand and				
	shade suitable for painting over G.C.I sheets to give				
	an even shade including the cleaning the rust patches				
	with emery paper, dust ,dirt, grease and other foreign				
	matter with water complete.				
20	Extra over item no. 19 for every subsequent coat of	sqm	101.69		
	paint.				
21	Providing and fixing clear sheet glass beded in putty	sqm	2.45		
	and fixed with/without wooden bidding including				
	necessary cutting and glass to be required				
	sized(payment for wooden bead shall be made				
	separately) (2). Area of glass panes exceeding 0.15m2 but not				
	exceeding 0.52m2.				
	(b). 4.00mm thick.				
22	Providing Antiskid Tiles of approved quality size,	sqm	13.21		
	shape not less than 8mm on floor, skirting over a	Sqiii	10.21		
	cement mortar bed 15mm thick of 1:3 (1 cement: 3				
	coarse sand) approved make fix with Fix-A-Tile				
	(Choksey/Sika/Pedelite/Rouf)/ white cement complete				
	at all level as specified and directed.				
	(A) CERAMIC				
	i) Normal range (Sizes 300 mm x 300mm and above)				
	(a) Orient made: Galaxy Brown, Galaxy creama,				
	Galaxy Pink, Galaxy Green, Pulsar Beige, Pulsar				
	Blue, Pulsar Dove, Pulsar Pink, Burj Brown, Burj				
	Green, Burj Slate				
23	10 mm thick Cement plaster in single coat on fair side	sqm	27.30		
	of brick/concrete walls for interior plastering up to 1st				
	floor level including arises or rounded angles not				
	exceeding 80mm girth and finished even and smooth				
	including curing complete as directed.				
	a) In cement mortar 1:3				

24	Providing polished ceramic wall tiles of approved	sqm	27.30	
	quality, size, shape and thickness not less than 8mm			
	on walls and skirting over cement mortar bed 10 mm			
	thick in prop. 1:3 (1 cement : 3 coarse sand) including			
	cutting where necessary finished with flush pointing			
	with Fix-A-Tile (Choksey / Sika / Pedelite / Rouf)			
	/white cement slurry mixed with approved pigment to			
	match shade of tiles complete at all levels as specified			
	and directed. (Cement plastering to be measured and			
	paid separately). (Coloured pigment should be in			
	conformity with colour of tiles and as approved and			
	directed by the Department). (Walls means both			
	interior and exterior walls).			
	a) Normal range			
	Somany/ Orient/Nitco/Asian Make			
	i) Of size 200mmx200mm and above			
25	Distempering with dry distemper of approved brand	sqm	250.74	
	and manufacture (two coats) and of required shade on			
	new wall surface to give an even shade, after			
	thoroughly brushing the surface free from mortar			
	droppings and other foreign matter and including			
	preparing surface even and sand papered smooth.			
26	Finishing wall with water proofing cement paint of	sqm	103.69	
	approved brand and manufacture and of required	~ 4		
	shade on old wall surface (one coat) to give an even			
	shade after thoroughly brooming the surfaces to			
	remove all dirt and remains of loose or softened paint.			
27	Extra over item no. 20 above for every subsequent coat	2 2 222	103.69	
41		sqm	105.69	
	of water proofing cement paint of approved brand and			
	manufactured.			
28	Painting one coat (excluding priming coat) on old wood	sqm	155.46	
	and wood based surfaces with enamel paint to give an			
	even shade including cleaning the surface of all dirt,			
	dust and other foreign matter sand papering and			
	stopping.			
	(i).Surfaces over 100mm in width or girth.			
	a). General purpose (Asian paint/ Berger paint/ ICI			
	paint/ J & N paint/ Nerolac).			
29	Supplying fitting and fixing PVC pipes of 6 Kg/cm2	Rm	3	
	(Supreme/Prince) or other ISI approved including		-	
	joining, fitting and fixing with clamps etc. as			
	necessary complete at all levels including below GL as			
	directed and specified.			
	a) In exposed surface or in trenches.			
	(iii) 90 mm dia.			
20		0.5.51.	1	
30	Renewing vitreous water closet squatting pan (Indian	each	1	
	type WC Orissa pattern) with all fittings and fixtures			
	complete including cutting and making good to the			
	walls and floors wherever required. (Flushing Cistern			
	to be paid separately)			
	Indian type WC Orissa pattern of size 580 x 440 mm			
	a) White			
	i) Parryware make			
31	Renewing PVC flushing cistern with all internal	each	1	
	fittings with CI brackets including fitting and fixing			

	<u></u>				•
	standard size CP flush pipe, union clamps etc,				
	complete as directed and specified (pipes will be				
	measured separately)				
	i) Parryware make				
	a) White				
	(i)Economy Single Flush (Cat No. C8090/C8055)				
32	Providing fitting and fixing PVC cowel of ISI make	each	1		
	complete as directed and specified.				
	(iii) 90 mm dia PVC cowel of ISI make				
33	Supplying fitting and fixing PVC reducer of	each	1		
	(Supreme/Prince) or other ISI approved including				
	joining, fitting and fixing etc. as necessary complete at				
	all levels including below G.L. as directed and				
	specified.				
	(a) In exposed surfaces or in trenches				
	(iii) 110 mm X 90 mm				
34	Supplying fitting and fixing PVC single tee with door	each	1		
	of (Supreme/Prince) or other ISI approved including				
	joining, fitting and fixing etc. as necessary complete at				
	all levels including below G.L. as directed and				
	specified.				
	(iii) 90 mm dia				
35	Providing precast R.C.C slab over drain, septic tank	sqm	0.72		
	etc. in prop. 1:2:4 reinforced with 10mm M.S. bar @	_			
	150mm centre both ways tying with 20 gauge black				
	annealed wire with necessary shuttering, curing etc.				
	complete including fixing in position as directed.				
	a) 100mm thick slab				
	Total in figures			1	
	Total in words				

1. Demand Draft No.	Yours faithfully,
2. Date of issue	Signature of contractor
	Full Name
	Address:-
3. Name of Bank	Mobile No:-

Enclose:

BIDDER'S CREDENTIALS				
Particulars	Validity period	Supporting documents		
1. Financial status (Average Annual Turnover for the F.Y. 2016-17, 2017-18 & 2018-19)				
2. PAN				
3. GST Registration certificate				
4. Registration certificate of firm(if any)				
5. Labour Licence				
6. List of similar works previously executed				
7. Others				
5. Labour Licence6. List of similar works previously executed				

Note: 1) Bidder should furnish supporting documents. Otherwise information given in the tender shall not be considered for evaluation.