

INSTITUTE OF ADVANCED STUDY IN SCIENCE AND  
TECHNOLOGY

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INSTITUTE OF ADVANCED  
STUDY IN SCIENCE AND TECHNOLOGY  
(An autonomous Institute under Department of Science and  
Technology, Govt. of India) PASCHIM BORAGAON,  
GUWAHATI – 781 035.



**TECHNICAL BID**

Tender Document for

CONSTRUCTION OF SECURITY BARRACK  
AT IASST,  
PASCHIM BORAGAON, GUWAHATI-35.

2<sup>nd</sup> August 2021

Guwahati

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TENDER DOCUMENT NO IASST/1299/ 2021-22/3940 dtd 06/08/2021

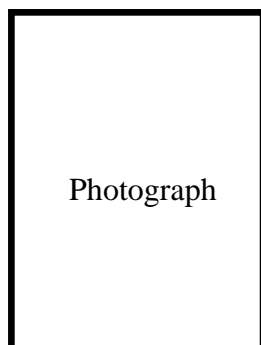
NAME OF WORK : CONSTRUCTION OF SECURITY  
BARRACK AT IASST  
PASCHIM BORAGAON, GUWAHATI-35.

Name of Contractor/Firm.....

Address of Communication.....

.....

Mobile No. : .....



NOTICE INVITING TENDER

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Advt. No: 312

Dt2/08/2021

**NOTICE INVITING TENDER**

The Registrar, IASST, PaschimBoragaon, Guwahati – 781 035, invites sealed items rate tenders on Two Bid System for the following work:

NIT No	Name of works and Location	Estimated cost put to tender	Earnest Money	Time of Completion	Last date of time		Time & date of opening Tender
					Issue of tender documents	Receipt of application	
1	2	3	4	5	6	7	8
	CONSTRUCTION OF SECURITY BARRACK AT IASST PASCHIM BORAGAON, GUWAHATI-35.	Rs44,82,340.00 Lacs	Rs89,646.00 thousand	3Months	15/08/2021	5/09/2021 4.00 P.M	06/09/2021 3:00 PM

Tender forms and other details can be obtained from the IASST website. Bidder downloading Tender Document from the website shall deposit Rs2,000.00 (Rupees five thousand) only in form of Demand Draft in favour of Director, IASST, PaschimBoragaon, Ghy-35, along with the tender.

Details of tenders / terms & conditions can be downloaded from the website of the Institute [www.iasst.gov.in](http://www.iasst.gov.in)

Registrar  
Institute of Advanced Study  
In Science & Technology,  
PaschimBoragaon, Ghy-35.

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## **A. PRE QUALIFICATION CRITERIA: PRE-QUALIFICATION CRITERIA:**

**A. Technical Eligibility** :The Bidders shall have satisfactorily completed **similar works**

During the last 7 years ending previous day of last date of submission of tenders, as below:

At least

One similar work of value not less than Rs 40.34 Lakh

Or

Two similar works each of values not less than Rs 26.89 Lakh

Or

Three similar works each of value not less than Rs.17.92 Lakh

And

One work of any nature (either part of (i) above or a separate one) costing not less than Rs.17.92 lakh with some Central Govt. Department/State Govt. Department/Central autonomous Body/ State Autonomous Body/Central Public Sector Undertaking/ State Public Sector Undertaking/City Development Authority/Municipal Corporation of City formed under any act by Central/state Govt. and published in Central/state Gazette.

**“Similar works”** shall mean works of Building like Assam type house including all type of Civil and Electrical work

### **Financial Eligibility:**

- Shall have average financial turnover of Rs44.82 lakh on construction works during the last three years ending 31<sup>st</sup> March 2021.
- Should not have incurred any loss in more than two years during the last five years ending 31<sup>st</sup> March 2021.
- Shall have a solvency of Rs17.92lakh duly certified by the Bank not earlier than 6 (Six) months from the date of submission of the bid.

### **B Bid Evaluation Criteria:**

The Bidders qualifying the initial criteria as stated above may be further evaluated for the following criteria by scoring method on the basis of details furnished by them:

- |   |              |
|---|--------------|
| a. Financial Strength (Form A & B)                          | Max 20 marks |
| b. Experience in Similar works during last 7 years (Form C) | Max 20 marks |
| c. Performance of works (Form E) Time over run              | Max 20 marks |
| d. Performance of works (Form E) Quality                    | Max 15 marks |
| e. Personnel and Establishment (Form F & G)                 | Max 10 marks |
| f. Plant & Equipment (Form H)                               | Max 15 marks |

**Total 100 marks.**

To become eligible for short listing the bidder must secure at least 60% marks in each and 75% marks in aggregate.

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## C BIDS shall be submitted in two envelopes:

**Envelope – 1 :-Technical Bid** in CPWD Form 7/8 along with earnest Money deposit Tender shall be accompanied with earnest money of Rs. 89646 (Rupees eighty nine thousand) only as follows:-

**50% of earnest money may** be deposited in the shape of Demand Draft/ Call Deposit / Bankers cheque/FDR of a scheduled Bank issued in favour of Director, IASST, PaschimBoragaon, Ghy-35 and balance **50% of amount of earnest money can be accepted in the form of Bank Guarantee** issued by a scheduled Bank having validity for 6 months or more from the last date of receipt of tenders.

**Envelope – 2 :- Price bid** filling up the BOQ issued with Tender document. The rate quoted by the Contractor shall be firmed till completion of the project. No escalation of any account will be paid to the Contractor. As such the Clause 10C, 10CA, 10CC of CPWD 2014 General Condition of Contract on price escalation will not be applicable in this contract

**Bids opening** :- The technical bid opening will be done in the presence of contractors who wish to witness the bid opening. Price bid opening will also be done in presence of contractors who have qualified for price bid opening.

Agreement shall be drawn with the successful tenderer on prescribed form No. CPWD 8, which is available as Govt. of India Publication with latest amendments. Tenderer shall quote his rates as per various terms and conditions of the said form, which will form part of the agreement.

2. The time allowed for carrying out the work will be 3months from date of issue of letter of acceptance of tender or from the first day of handling over of the site, whichever is later, in accordance with the phasing if any, indicated in the tender documents.

3. Tender documents consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms and conditions of contract to be complied with by the contractor whose tender may be accepted and other necessary documents can be downloaded from the IASST website. Such bidders shall separately deposit Rs. 1000.00 along with Tender.

1. The contractor whose tender is accepted will be required to furnish performance guarantee of 5% of the tendered amount within the period specified in scheduled “F” in the form of guarantee bonds of any scheduled Bank or the State Bank of India in accordance with the prescribed form.

In case the contractor fails to deposit the said performance guarantee within the period as indicated in scheduled – F including the extended period if any, the earnest money deposited by the contractor shall be forfeited automatically without any notice to the contractor.

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## INFORMATION AND INSTRUCTIONS TO BIDDERS.

### 1. General:

The Institute of Advanced Study in Science and Technology, PaschimBoragaon, Guwahati-35, is a research and training organisation registered under the Societies Registration Act. The institute is funded by the Govt. of India for maintenance and research activities in specific areas of national and regional importance.

### 2. NAME OF WORK :Construction of an SECURITY BARRACK ASST, PaschimBoragaon

- 2.1 IASST intends to qualify for execution works with technical super visions and quality control of the jobs specify the works for the institutional complex of IASST in their own land at PaschimBoragaon, Guwahati – 35.
- 2.2 The objectives of this document is to pre-qualify the contractors for empanelment on evaluation based on feedback provided for the specialised job to be executed on item rate contract. The procurement and supply of materials, plant and machineries will also be a part of the job unless otherwise decided. The bidder shall have necessary testing facilities for quality control or in association with recognised agencies as per requirement of I.S. and other relevant codes. The fields testing facilities during execution of works must also be provided.

### 3. Broad Scope of works:

The broad scope of works of the proposed project are as follows:

- i. Shallow Foundation
- ii. RCC Foundation and superstructure.
- iii. Structural works.
- iv. Sanitary & Water Supply
- v. Finishing works, painting, doors, windows etc.
- vi. Internal and External Water supply.
- vii. Internal and External Electrical works
- viii. Site developments, Roads, Drain, pavement etc.

The works are to be carried out as per the SOR items, standard and specifications.

### 4. Philosophy of Execution :

The work is proposed to be executed on competitive bids from the qualified bidders on bid documents of IASST. The contractor will have total responsibility of delivering the products with their expertise on planned execution of the works with mobilization of necessary manpower with plants and machinery required for the specific job to the least botheration and entire satisfaction of IASST,Guwahati-35.

5 Tenderers are advised to inspect and examine the site and its surrounding and satisfy themselves before submitting their tenders so as to familiar themselves about the nature of the work and the site, the means of access to the site, and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender.

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A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining, at his own cost, all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice, all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and local conditions and other factors having a bearing on the execution of the work.

6 The competent authority does not bind him to accept the lowest or any other tender and reserves to him the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.

7. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contactors who resort to canvassing will be liable to rejection.

8. The competent authority reserve to himself the right of accepting the whole or any part of Tender and the Tenderer shall be bound to perform the same at rate quoted.

9. No Engineer of gazetted rank or other gazetted officer employed in engineering or administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government services, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.<sup>7</sup>

10. (i) The tender for the works shall remain open for acceptance for a period of 90 days from the date of opening of tenders. If any tenderer withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the Institute, then the Institute shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the re-tendering process of the work.

(ii) If contractor fails to furnish the prescribed performance guarantee within prescribed period, the earnest money is absolutely forfeited automatically without any notice.

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11. This notice inviting tender shall form a part of the contract document. The successful tenderer / contractor, on acceptance of his tender by the accepting Authority, shall, within 15 days from the stipulated date of start of the work sign the contract consisting of :

- a. The notice inviting tender, all the documents including additional conditions, specifications and drawings, if any, forms the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
- b. Standard CPWD Form -7/8 with up-to-date amendments and correction slips.

12 The tender document comprises of following three components :-

**Part A – CPWD-6, CPWD-7/8 including schedule A – F for major component of the work, standard general condition of contract for CPWD 2014 or latest addition as applicable with all amendments/ modification.**

**Part B – General / specific condition, specification and schedule of quantities applicable to major component of the work.**

**Part C – Schedule A-F for minor component of the work. General / specific condition, specification and schedule of quantities applicable to the minor component work.**

13 The tenderer must associate with himself, agencies of the appropriate class eligible to the tender for each of the minor component individually.

14 The eligible tenderer shall quote rates for all items of major components as well as for all items of minor components of the work.

15 After acceptance of the tender by competent authority the letter of award will be issued by the IASST authority making it clear in letter of award that the contractor will have

to execute agreement for different component of the work with the concerned authority of the respective discipline.

16 Entire work under the scope of composite tender including all major and minor component shall be executed under one agreement.

17 Security deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of the work. The earnest money will become part of the security deposit of major component of work.

## **Additional condition for CPWD – 6:**

1 The tenderer shall abide by the rules and regulations under relevant state GST Acts / value added tax Act etc. as amended from time to time. Deductions for GST on works contract labour welfare cess as applicable shall be made from the gross value of the work



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done from all bills as per the provisions of above stated Acts. Nothing extra on account of this deduction shall be paid. In case this amount is not found payable to the State Govt. at a later date due to subsequent decision of the Court or Govt. the amount already deducted or the balance yet to be deducted if any from the remaining work yet to be paid/done, the amount shall not be refunded/ paid to the contractor and contractor will have no claim for the same. The contractor may therefore quote his rates accordingly.

## **SPECIAL CONDITIONS OF CONTRACT (A)**

A.1 Before tendering, the tender shall inspect the site of work and shall fully acquaint himself the conditions with regard to site, its approach from main road, nature of soil, availability of materials, suitable location for construction of god owns, stores, labour huts and location of batching plant etc. the extent of leads and lifts involved in the work (over the entire duration of contract) including local conditions, traffic restrictions, obstructions and other conditions, and restriction by Authorities as required for satisfactory execution of the work. He should take into consideration all such factors and contingencies, while quoting his rates. No claim whatsoever shall be entertained by the Department on this account.

A.2. the Contractor(s) shall get himself acquainted with nature and extent of the work and satisfy himself about the availability of materials from kiln or approved quarries for collection and conveyance of materials is required for construction.

A.3 The Contractor(s) shall study the soil investigation report for the site, available in the Office of Engineer-in-charge and satisfy him self about complete characteristics of soil and other parameters at site. However no claim on the alleged inadequacy or incorrectness of the soil data supplied by the Institute shall be entertained.

A.4 The Contractor(s) shall give to the municipality, police and other authorities all necessary notice etc. that may be required by law and obtain all requisite licences for temporary obstruction, enclosures etc. and pay all fees, taxes and charges which may be liveable on account of his operations in executing the contract. He shall make good any damage to adjoining property, whether public or private and shall supply and maintain lights either for illumination or for cautioning the public required at night.

A.5 The rates for various items quoted by the tenderer shall apply for all the floors including terrace unless otherwise stated in the nomenclature of the items in the schedule of quantities attached with the tender.

A.6 No payment shall be made to the Contractor for any damage caused by rain, snowfall, fold or any other natural cause whatsoever during the execution of work. The damage to work shall be made good by the contractor at his own cost and not claim in the matter shall be entertained.

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A.7 Royalty at the prevalent rates whoever payable, shall have to be paid by the contractor on the boulders, metal, shingles, sands and bajri etc. or any other materials collected by him for the work direct to the revenue authority of the District/ State Govt.,. Concerned and nothing extra shall be paid by the Institute for the same.

A.8 Form work (centering and shuttering) conforming to sound engineering practice, as approved by Engineer-in-charge, shall be used. However various requirements specified for timber form work in CPWD specification 2009 Vol.1 to 11 with up to date correction slips shall be followed in case of steel form works as well. Nothing extra shall be payable for using steel formwork for work.

A.9 The chemically treated timber, shutters where specified, shall be got treated by an approved firm as per approved process with a preservative belonging to Type-IV (water soluble fixed type) and the absorption and other details shall be as prescribed in I.S 401 (latest edition). The Contractor(s) shall produce necessary certificates from the firm to the effect that the lot of timber/shutters brought at site has been satisfactorily treated by them according to I.S code 401 (latest edition). Each piece of timber/shutters treated by the firm shall get stamped with proper hammer mark showing the name of the firm.

A.10 For purpose of para 9.3 of CPWD Specifications Vol. 1 the portion of timber frame in the plastered grooves/rebates wherever such grooves are provided and are in contract with mortar shall be treated adequately. Such grooves/rebates shall invariably be given a coat of approved wood primer before masonry is plastered.

A.11 The contractor must study the specifications and conditions carefully before tendering.

A.12 The contractor shall have to make approaches to the site, if so required and keep them in good condition for transpiration of labour and materials as well as inspection of works by the Engineer-In-Charge. Nothing extra shall be paid on this account.

A.13 The work shall be carried out in such manner so as not to interfere or effect or disturb other works, being executed by other agencies, if any.

A.14 Any damage done by the contractor to any existing work shall be made good by him at his own cost. Otherwise the same shall be got done at his risk and cost.

A.15 The work shall be carried out in the manner complying in all respects with the requirement of relevant bye-laws of the local bodies under the jurisdiction of which the work is to be executed and nothing extra shall be paid on this account.

A.16 For completing the work in time, the contractor might be required to work in two or more shifts including night shifts and no claims whatsoever shall be entertained on this account, not with standing the fact that the contractor will have to pay to the labourers and other staff engaged directly or indirectly on the work according to the provisions of the labour regulation and the agreement entered upon and or extra amount for any other reason.

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A.17 The contractor shall make his own arrangements for obtaining electric connection(s), if required and make necessary payments directly to the department concerned. The department will however make all reasonable recommendations to the authority concerned in this regard.

A.18 The contractor or his authorised representative should always be available at the site of work to take instructions from department officers and ensure proper execution of work. No work should be done in the absence of such authorised representative.

A.19. The contractor shall maintain in good condition all work executed till the completion of entire work allotted to the contractor.

A.20 In case the proposed building is to be constructed in a plot where already some building is occupied, the contractor will take all safety measures for the safety of people using the building nothing extra shall be paid on this account.

A.21 The contractor shall take all necessary measures for the safety of traffic during construction and provide, erect and maintain such barricades,, including signs, markings flags, lights and flagman as necessary, at either end of the excavation/embankment and at such intermediate points, as directed by the Engineer-in-charge for the proper

identification of instruction area . He shall be responsible for all damages and accidents caused due to negligence on his part.

A.22 The malba/garbage removed from the site shall be disposed off by the contractor at any suitable place as directed by the IASST authority.

A.23 All work and materials brought and left upon the ground by the contractor or by his orders for the purpose of forming part of the works, are to be considered to be the property of the President of India and the same are not to be removed or taken away by the contractor or any other person without the special license and consent in writing of the Engineer-in-Charge but the President of India is not to be in any way responsible for any loss or damage which may happen to or in respect of any such work or materials either by the same being lost or damaged by weather or otherwise.

A.24 The contractor will be responsible to provide potable and safe drinking water to labour engaged in execution of work.

A 25 The rates for all items of work, unless clearly specified otherwise, shall include the cost of all labour, materials, dewatering and other inputs involved in the execution of the items. Payment for centering/shuttering however, if required to be done for heights greater than 3.5 m shall be admissible at rates arrived at in accordance with clause 12 of the agreement if not already specified.

A.26 The contractor shall construct suitable Go down at the site of work for storing the materials safe against damage due to sun, rain dampness, fire, theft, etc.. He shall

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also employ necessary watch and ward establishment for the purpose and no extra claim whatsoever shall be entertained on this account.

A.27 All items involving prefabricated components of Aluminium, M.S Sectional Windows, pressed steel frames etc. shall be sample tested and approved by IASST authority before the bulk order is placed.

A 28 Contractor may be required to execute the work under foul position. The decision of the IASST authority whether the position is foul or not shall be final and binding on the contractor.

A.29 Transparent sheet glass conforming to IS: 1761-1960 shall be used for glazing, thickness being governed as per CPWD specifications unless otherwise specified in the item. The contractor has to quote rate for windows etc. Accordingly and nothing extra shall be payable.

A 30 The P or S Trap in WCs shall be of deep water seal type and shall have a minimum water seal of 75mm. Floor traps shall have a minimum water seal of 50mm.

A 31 The contractor shall execute the different items simultaneously, as far as possible, so that minimum breakage and repairs are involved.

A 32 Other agencies will also simultaneously execute the works like Air conditioning, fire fighting , horticulture or external services and other building works for the same project along with this work in particular. The contractor shall afford necessary facilities for the same. No. claim in the mater shall be entertained.

A 33. Some restrictions may be imposed by the security staff etc. on the working and/or movement of labourers, materials etc. The contractor shall be bound to follow all such restrictions, instructions and nothing extra shall be payable on this account.

A 34(a) The Contractor shall be responsible for the protection of sanitary, water supply, drainage fittings, other fittings and fixtures against pilferages and breakage during the period of installation and thereafter until the building is handed over.

A 34 (b) The work of water supply, internal sanitary installations and drainage work etc. shall be carried out as per local Municipal corporation or such local body bye-laws and the contractor shall produce necessary completion certificates wherever required, from such authorities after completion of work. The work is to be carried thought licensed plumber and sanctity installation agency.

c) Water tanks, taps pipes, fittings and accessories should conform to bye-laws and specifications of the Municipal Body/corporation. The contractor should engage licensed plumbers for the work and get the materials (fixture, fittings) tested by the Municipal body /corporation authorities, wherever required at his own cost and nothing extra will be payable .

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A.35 The Contractor shall give performance test such as smoke test/pressure test of the entire installation (s) as per standard specifications before the work is finally accepted and nothing extra whatsoever shall be payable to the contractor for the test.

A.36 Nothing extra shall be paid for making holes in walls/RCC members etc. for fixing suspenders and frame works and making good to restore the original surface of the building.

A 37. Payment for work in different floors,. Extra for items for RCC work, brick work, concrete work and stone masonry above diffract floor level shall be made at rates provided for these items for operation of these rates the floor level shall be considered as the top of main structural FCC slab in that floor viz. Top of RCC slab in main room and not the top of nay sunken or depress floor for lavatory slabs.

A 37 (i) Coarse aggregate/Stone ballast/chips:

Wherever Delhi quartzite stone ballast or chips are specified in the CPWD specifications, hard stone ballast or chips obtained locally from quarries approved by the IASST authority and conforming to paras 4.1.2.1 and 4.1.2.6 of CPWD specification Volume-1 shall be used .

(ii) fine aggregate/sand:

Wherever Badarpur sand or Jamuna sand has been specified in the CPWD specifications, coarse sand or fine sand obtained locally from sources approved by the Engineer-in-charge and conforming to paras 3.1.4 and 3.1.4.1 to 3.1.4.4 of CPWD specifications (Vol.1) shall be used. The maximum quantity of silt content shall not exceed 8 (eight) percent.

Medium sand shall be natural pit or river sand, clean sharp, strong and free from excessive deleterious matter such as iron pyrites, coal mica, slate or similar contaminated materials, clay alkali soft fragments and sea shells, organic impurities etc. It shall not contain more than 8 (eight) percent of silt as determined by field test with measuring cylinder. The method of determining silt content test shall be as per CPWD Specification and as amended/corrected up to date sand containing more than the above

allowable percentage of silt shall be washed so as to bring the silt content within the allowable limit.

Medium sand shall comprise 50% of coarse sand within the limits of grading Zone: III and 50% of fine sand within the limits of grading Zone: IV as given in Table, under para 3.1.4. of CPWD specifications Vol. II.

### **Milestone table as per given below :**

Sl. No	Description of Mile stone(s) physical	Time allowed in days (from date of start)	Amount to be withheld in case of non-achievement of Mile stone(s).
1	Sub structure upto Plinth Level	30 days	In the event of

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2	Super Structure completed upto roof level	40 days	not achieving the necessary physical miles stone 1 % of tender value of work will be withheld for failure in achieving each mile stone(s) subject to a maximum amount of 4%
3	Water supply, Sanitary, Electrical, Painting&Finishing works.	20 days	
	Total	90 days	

**SPECIAL CONDITIONS (B)**

**B.1 Reference Points:-**

Contractor shall provide permanent bench marks, flag tops and other reference points for the proper execution of work and these shall be preserved till the end of work. All such reference points shall be in relation to the level and locations, given in the architectural and plumbing drawings.

**B.2. Completion drawings:**

On completion of work, the contractor shall submit four prints of AS BULT drawing to the Engineer-in-Charge . These drawings shall have the following information:-

- a) Run of all pipes and their diameters including soil waste pipes vertical stacks.
- b) Ground and invert level of all drainage pipes together with location of all manholes and connections, up to outfall.
- c) Run of all supply lines with diameters, collation of control valves access panels etc.

**B.3. Condition for sanitary and water supply fitting:-**

Samples of all materials and fitting to be used in the work in respect of Brand, Manufacturer and quality shall be got approved form the Engineer-in-Charge well in advance of actual execution. Preference shall be given to articles bearing BIS certification mark.

- i) All sanitary fittings such as W.C. pans, wash basins, urinals etc.. Etc. shall be of approved make e.g. Hindustan Sanitary Ware, Parry Ware, Cera.
- ii) All bib cocks, stop cocks, C.P. brass taps etc. shall be of specified weight as per CPWD specification and shall be of approved make e.g. Soma, Gem, Parko, Kingston  
Any materials / fitting whose samples has not been approved in advance and any other unapproved materials brought by the Contractor shall be immediately removed as soon as directed, failing which the same shall be got removed at the risk and cost of the contractor by the engineer-in –Charge without any further reference.

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Wherever proprietary Brand/ Manufacturer is mentioned in the nomenclature of the items, it will imply that particular brand as approved by the Engineer-in- Charge , sample of any item of work shall be prepared by the contractor before starting the particular item of work and nothing extra shall be payable on this account.

B.4 Shutters shall be machine made and factory made only. Source of procurement( Factory) of shutters shall be got approved by the Engineer-in-Charge before placing order. Shutters shall be got prepared through specialised agency who are duly authorized and approved by the manufacturer.

B.5. After the structure of one block is completed, a sample unit as per laid down specification shall be completed and got approved from the Engineer-in-Charge. The balance unit shall be completed as per approved sample unit.

B.6 A piece of M.S CONDUIT pipe used for operation of fittings and fixtures like pull bolt lock etc. including welding required will be provided by the contractor and nothing extra will be paid on this account. However, where the conduit pipes are not required no deduction will be made on this Account.

B.7 The contractor shall make his own arrangement for obtaining electric connections, if required and make necessary payment directly to the department concerned and nothing extra shall be payable on this account.

B.8 The contractor shall provide at his own cost suitable levelling, weighing and measuring arrangement at site for checking the level, weight/dimensions etc. as may be necessary for execution for the work.

B.9 Other agencies will also simultaneously execute the works like electrifications, horticulture or external services and other building works for the same projects along with this work in particular. The contractor shall afford necessary facilities for the same. No. claim whatsoever in the matter shall be entertained.

B.10 The building work will be carried out in the manner complying in all respects with the requirements of relevant byelaws of the local body under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-Charge and nothing extra shall be paid on this account.

B.11 The contractor shall submit a detailed programme in the form of CPM /PERT chart to the Engineer-in-Charge within 15 days of award of work and shall be got approved from him. The programme chart should include the following:-

- (a) Network CPM/PERT diagram prepared as per existing practice
- (b) Descriptive note explaining sequence of various activities.
- (c) Programme for procurement of materials by the contractor.
- (d) Programme of mobilization of machinery/equipments and their deployments.



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The programme chart will have to be updated on fortnightly basis and will be submitted to the Engineer-in-Charge regularly. The approval by the Engineer-in-Charge of such programs or the furnishing of such particulars shall not relieve the contractor of any of his duties or responsibility under the contract. This is without prejudice to the right of the Engineer-in-Charge to take action against contractor as per terms and conditions of the agreement.

B.12 The contractor shall arrange and provided adequate centering and shuttering to ensure completion as per schedule.

B.13. The Contractor shall have to use plate vibrators for casting of RCC slab in addition to needle vibrators and vibratory plate compactor for compaction of earth under floors.

B.14 All tools, plant and machinery provided by the contractor shall, when brought to the site be deemed to be exclusively intended for construction and completion of this work and the contractor shall not remove the same or any part thereof without the consent of the Engineer-in-Charge.

B.15 Ceramic wall tiles shall be of standard quality of reputed make like Somani, Johnson, Kajaria or Orient with size not less than 30cm x 60cm. or as approved by the Engineer-in-Charge. The joints shall be continuously vertical and not staggered. Tiles shall have glossy finish or matt finish as desired by Engineer-in-charge and should be of 1<sup>st</sup> quality.

B.16 Kota stone slab flooring shall be laid as per pattern approved by the Engineer-in-Charge. The stone slabs shall be machine cut and size shall in general not less than 0.25 square metres except in case of bands, strips & stair case.

B.17 The rates quoted by the contractor shall be all inclusive keeping in mind the specifications, additional and special conditions in view and nothing extra shall be payable whatsoever, unless otherwise specified.

B18 All arrangement for establishment, watch & ward, police permission, appropriate vehicles for transportation etc. shall have to be arranged by the contractor & nothing extra on this account shall be payable.

B19 various factory made materials shall be procured from reputed & approved manufacturers or their authorised dealers. List of such approved manufacturers is available at [Annexure-V](#). For the items/materials not appearing in the list, the decision of Engineer-in-charge shall be final and binding.

B20 The earthwork obtained from excavation of foundation shall be used for filling in plinth, sides under the floors and courtyard etc. and in low lying areas within the premises as per direction of Engineer-in-Charge. The contractor, if so desired by Engineer-in-charge in writing, shall dispose the earth outside the premises at specified location, for which extra payment shall be made as admissible in terms of contract.

B21 The contractor shall use good centering and shuttering system so as to ensure good quality concrete surface in all collations,. In case, concrete surface is found to be not up to



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mark, or in line and level or there is honey combing the contractor would be asked to dismantle the same and redo work at his own cost.

B.22 All brick work and RCC work in basement up to plinth level, irrespective of its height shall be measured in the relevant item of brick work /RCC work in foundation, plinth and basement.

B.23. Wherever work is specified to be done or material procured through specialized agencies their names shall be got approved well in advance from Engineer-in-Charge. Failure to do so shall not justify delay in execution of work. It is suggested that immediately after award of work: contractor should negotiate with concerned specialist agencies and send their names for approval to Engineer-in-Charge. Any material procured without prior approval of Engineer-in Charge in writing is liable to be rejected. Engineer –in –Charge reserves right to get the materials tested in laboratories of his choice before final acceptance. Not standard material shall not be accepted.

B.24 Doors & frames shall be procured from specialist firms, product of such agencies shall be got approved from the Engineer-in-Charge well in advance.

B.25 Water proofing work shall be done by specialised firms, Name of such firms shall be got approved from IASST well before the time of execution of those items. The contractor shall maintain a register showing the date wise locations where water proofing work is done. Such record shall be got attested by the representative of the Engineer-in-Charge on day to day basis./ Any defective work will be dismantled forth with and shall be redone. Only licensed plumber shall be engaged in plumbing work.

B.26 No. pipe shall be covered before representative of IASST authority satisfy themselves about the joint being tight against leakage. In order to be sure of the same smoke test for soil/waste pipes and pressure test for plumbing would have to be conducted. Cost of such testing would be included in the quoted rate for relevant item.

B.27 The construction joints shall be provided in predetermined locations only as approved by IASST authority. The treatment of such joints shall conform to clause-5.4.4 of CPWD specification Vol.-II .The cost of shuttering and the treatment of joints may be included in item of concrete work/RCC work itself and nothing extra shall be payable on this account to the contractor.

B.28 All reinforced cement concrete work shall be weigh batched, machine mixed and machine vibrated design mix of specified grade. The contractor shall install on the site fully/semi-automatic batching plant or weigh batcher at the site allotted by the Department. This plant shall have provision of accurate measurement of weight of various ingredients including water. If the agency wants to install the plant at location other than that allotted to him, he shall have to arrange the land as well as suitable transit mixers and pump of required capacity at his own cost and nothing extra shall be payable on this account. Alternatively concrete can be purchased from approved R.M.C. Plants, Refer condition No.29. The contractor however, shall indicate the intention of doing so at the time of tendering itself with full details.

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B 29. The contractor should declare at the time of tendering as to how he will arrange design mix concrete i.e. whether he would install batching plant/weigh batcher at site of work or would arrange design mix for approved R.M.C plant.

If contractor decide to procure ready mix concrete from R.M.C plants, he shall within a week of award of the work, submit list of at least three R.M.C. plant companies of repute along with details of such plant indicating name of owner/company its location, capacity, technical establishment, past experience and text of MOU proposed to be entered between purchaser and supplier to the satisfaction of IASST authority who satisfying himself with quality/capability of the company shall give approval in writing (subject to drawl of MOU). The MOU shall be drawn with RMC plant owner/company and submitted to Engineer-in-Charge within a week of such approval. The contractor will not be allowed to purchase ready mixed concrete without completion of above stated formalities for use in this project.

Notwithstanding the approval granted by IASST authority in aforesaid manner the contractor shall be fully responsible for quality of concrete including input control, transpiration and placement etc.

The IASST authority will reserve right to inspect at any stage and reject the concrete if he is not satisfied about quality of product. The contractor should therefore draw MOU/Agreement with RMC owner/company very carefully keeping all terms and conditions/specification forming a part of this tender document.

The department reserves right to exercise control over R.M.C procured as specified in Para 24 of particular specification.

B.30 All statutory deductions/ Constn. Workers Welfare Cess shall be deducted from all running/ final bills as applicable from the gross value of work done.

## **B.31**

### **GST (Goods and Service Tax)**

**Goods and Service Tax (GST) may be included by the Contractor in their quoted price. However if the Bidder does not include the GST with their quoted price, the Bidder shall indicate the rate of GST as per the format and submit along with the price Bid.**

Note:

1. IASST, if applicable, will reimburse the GST to the CONTRACTOR against submission of invoices issued in accordance with GST Rules,

2. Bidder shall furnish this Form duly filled in all respects along with his price part. However, Bidder is required to furnish the **Form indicating only the Rate of Duty/Tax (%)** as per Column (d) along with his unpriced part.

3. The rate of GST indicated in this format shall be considered for statutory variation as per the provisions of bidding document.

4. GST quoted above shall be considered for evaluation as per provisions of Bidding Document.

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5. Bidders shall indicate total GST amount payable under the contract in this format. However, if Services, to be provided by the Contractor, falls under the category defined under reverse charge rule of GST then the liability of deposition of GST to the tax authority by the Contractor, and by the Owner shall be dealt in accordance with Notifications issued on reverse charge rule of GST by Government of India from time to time.

5. Bidders not mentioning anything about GST along with the Price Bid, will be construed to have included GST along with their quoted price and will not be paid extra by IASST.

**DETAILS OF GOODS AND SERVICE TAX (To be submitted along with the Price Bid).**

S.No.	Tax	Ceiling Amount	Rate of GST	Amount of GST
		on which the GST applicable is	(%)	
(a)	(b)	(c)	(d)	(e)
1)	GST		_____ %	

**Sign and Seal of Bidder**

**C. GENERAL SPECIFICATIONS**

C.1 Except for the items, for which particular specifications are given or where it is specifically mentioned otherwise in the description of the items in the schedule of Quantities, the work shall generally be carried out in accordance with CPWD specifications 2009 Vol-1 & II with up-to date correction slips shall be followed. (Herein after referred as CPWD Specifications) and instruction of the IASST authority, wherever CPWD specifications are silent the latest Indian Standard codes/specifications shall be followed.

**E.5 LIST OF MATERIALS OF APPROVED MAKE**

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

E. 5A. General Materials

<b>SL.NO.</b>	<b>T Y P E</b>	<b>BRAND NAME</b>
1.	IRON DOOR HINGES	MOWJEE.
2.	ALLUMINIUM DOOR FITTINGS i. TOWER BOLTS, HANDLES, ii. HOOKS & EYES.	ARK/MEPRO/URGENT.
3.	MORTICE LOCK	GODREJ / EBCO
4.	PRE-COATED SHEETS ROOFING SCOPE/DURA .	DYNA ROOF/TATA BLUE
5.	OIL BOUND WASHABLE	BERGER PAINTS/ASIAN

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## iii. DISTEMPER

6.	FALSE CEILING	GYPSUM BOARD/E-BOARD /CLASSIC/HILUX CALCIUM SILICATE BOARD
7.	CERAMIC TILES	JOHNSON / KAJARIA/ SOMANY/BELL-ORIENT /VERMORA/QUTONE
8.	VITRIFIED TILES	JOHNSON/KAJARIA/QUTONE /SOMANY/ MARBONITE
9.	GRANIT SLAB	JET BLACK / RUBY RAD
10.	MARBLE	MAKARAN (WHITE)/ (GREEN) UDAIPUR
11.	REBARING	FISCHER FIXING (FISV 360)
12.	STEEL	TATA /TISCON / SAIL TMT BARS
13.	ROOF TRUSS	TATA STRUCTURA / STEEL HOLLOW/ NEZONE SECTION
14.	ANTISKID TILES	JOHNSON / NITCO/ KAJARIA
15.	WATERPROOFING COMPOUND /SUNK FLOOR/ ROOF TREATMENT	CHOKSY CHEMICAL /FOSROC/PIDILITE-DR.FIXIT
16.	4 - 6 MM GLASS	MODI FLOAT / SAINT GOBAIN. (FLOAT GLASS)
17.	PLASTIC PAINT	LUXOL SILK OF BERGER / I.C.I DELUXE / ASIAN.
18.	PLASTER OF PARIS	BHUTAN / JINDAL .
19.	SYNTHETIC ENAMEL PAINT	LUXOL SILK OF BERGER / VELVET OF I.C.I / DULUX/ASIAN PAINTS.
20.	ALUMINIUM SECTION	JINDAL /ANUPAM /HALCO/HINDALCO.

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21	EXTERIOR WATER PROOF CEMENT PAINT	WATER PROOF WATER COAT ANTI FUNGAL / EXTERIOR PAINT OF BERGER / APEX OF ASIAN PAINT/SNOWCEM
22	CEMENT	ORDINARY PORTLAND CEMENT 43 GRADE, STAR CEMENT, DALMIA , CEMENT CORPORATION OF INDIA , LAFARGE, ACC, AMBUJA, L&T, BIRLA, ULTRATECH.,
23	STEEL / REINFORCEMENT (TMT BARS)	TATA / SAIL/ JINDAL
24	PREPAINTED ZINC GALVALUME SHEET.	DYNA ROOF / DURAKOLOR
25	PRE-LAMINATED BOARDS BOARD/GREEN LAM	BHUTAN/NEPAL
26	PARTICLE BOARD/BLOCK BOARD &  PLYWOOD,PHENOL BONDED, TERMITE RESISTANT (BWR)	GREEN PLY/LAM,CENTURY/ ARCHIDPLY
27	WALL PUTTY	BIRLA/J.K
28	FRICTION HINGES  (STAINLESS STEEL)	EARL BIHARI OR EQUIVALENT

SANITARY FXTURE AND FAUCETS

<u>SL. NO.</u>	<u>DESCRIPTION</u>	<u>BRAND NAME / MANUFACTURE</u>
1.	VITREOUS CHINA SANITARY WARE:	A) JAQUAR /HINDWARE /PARRYWARE

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|-----|--|---|--|
| 2.  | C.P.BRASS FAUCETS, WASTES,<br>TRAPS ETC.       | : | A) JAQUAR/AGMEGCO  |
| 3.  | C.P./ FLUSHVALVES FOR W.CS                     | : | A) JAQUAR/HINDWARE   |
| 4.  | C.P. ANGLE VALVES (BALL<br>VALVE TYPE)         | : | A) JAQUAR/AGMEGCO/   |
| 5.  | C.P. BATHROOM ACCESSORIES                      | : | A) JAQUAR/<br>AGMEGCO/<br>CRABTREE                             |
| 6.  | C. P. W SPREADERS,<br>URINAL FLUSH PIPE        | : | A) LOTUS<br>B) ESS   |
| 7.  | STAINLESS STEEL SINK                           | : | A) NIRALI/<br>PARRYWARE  |
| 8.  | BEVELLED EDGE MIRROR                           | : | A) JAQUAR<br>/AGMEGCO  |
| 9.  | UPVC SOIL WASTE AND<br>VENT PIPES AND FITTINGS | : | A) SUPREME<br>B) PRINCE<br>C) FINOLEX.                         |
| 10. | R.C.C QUALITY                                  | : | A) ISI MARKED<br>OF APPROVED.                                  |
| 11. | PLASTIC SEAT FOR W.C PAN                       | : | A)COMMANDAR/<br>ADMIRAL/<br>PARRYWARE                          |
| 12. | C.P FITTINGS                                   | : | A) ESSCO<br>B) JAQUAR<br>C)AGMEGCO<br>D)PARRYWARE/CRAB<br>TREE |
| 13. | PVC PIPES AND FITTINGS                         | : | A)SUPREME/PRINCE   |
| 14. | GUNMETAL VALVES(FULL WAY)                      | : | A)ZOLOTO   |
| 15. | BIB AND STOP COCK<br>(BRASS)                   | : | A)ZOLOTO<br>B)JAQUAR   |

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16.	MOULDED PLASTIC WATER TANKS	:	C)AGMEGCO SINTEX, OCEAN,POLYCON
17.	C.I MANHOLE COVER	:	a)SUPER b)SWASTIC
18.	CPVC PIPES	:	ORIPLAST
19.	C.P. ACCESSORIES	:	A)GROHE B)JAQUAR
20.	SYNTHETIC POLYMERIC RUBBER COMPOUND	:	A) VIDOFLEX B) SUPERLON C) ARMSTRONG
21.	VALVES, FLOAT VALVES	:	A)ZOLOTO
22.	STEEL / CONCRETE MANHOLE COVERED GRATING.	:	A)K.K. MANHOLES B)PRAGATI CONCRETE c) RIF d) KAJCECO e) NECO

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Note : The contractor shall provide the materials as per the Make or Brand indicted above. When two or more alternative equivalent brands have been mentioned, the brand

to be finally used shall be decided by the Engineer – In – Charge. In case of non availability of the approved brand, EIC would decide alternative brand.

On finalising the brands with the contractor decision will be final .All other items shall be of ISI marked / as per approved sample kept at site of work.

**Additional list : Materials to be used for the Construction of OBSERVATORY BUILDING at IASST, PaschimBoragaon, Guwahati-781035.**

1. Sand :Coarse sand for RCC work and medium grade sand for plastering.
4. UPVC doors and windows : Rehau/Finista make
5. Vitrified floor tiles and ceramic wall tiles : Johnson make



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6. Electrical items :

## RECOMMENDED BRANDS/ MAKES OF MATERIALS

ITEMS	MAKERS / BRAND
Switch fuse with HRC type fuse :	ABB / GEC ALSTHOM/ Control & Switch gear company (C&S)
Switch fuse with rewirable type fuse :	GEC ALSTHOM/ CROMPTON/ HAVELL'S/HPL-SOCOMEK/Control & Switch gear company. (C&S)
Residual current circuit breaker	LEGRAND / ABB / HAGER
MCB Distribution boards :	LEGRAND / HAVELL'S / HAGER / GEC ALSTHOM
Change over Switch	HPL- COCOMEK / C&S
M S Distribution boards	HAVELL'S / HAGER / C&S / LEGRAND
1.1 KV grade PVC insulated unarmoured/ armoured aluminium cables and wires	CI / NICCO / HAVELL'S / POLY CAB / RRKABEL / FINOLEX
MCCB	LEGRAND / HAGER / Control & Switch gear company (C&S) / ABB/L & T/SCHNEIDER
PVC insulated wire and cables upto 1100 volt grade aluminium/ copper (only ISI marked quality)	ICC / HAVELL'S / POLY CAB / FINOLEX / RRKABEL
Power socket, industrial type	HAVELL'S / MK/LEGRAND / ABB / AAGER
Steel conduit:	
Black enameled (only ISI marked	MAHCO/SENCO/ASHIS/KKI/ECW/SUPREME/ADA

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quality)	RSH
Galvanised	MAHCO/SENCO/ASHIS/KKI/ECW/SUPREME/ADA RSH
GI pipe	ITC/BST/JINDAL/NEZONE
16amp/6 amp switch plug socket and push switch (ISI marked ceiling rose) Holder/ Batten Holder/Angle Holder	MK / LEGRAND / HAVELL'S KAY / MMP/EPP / ANCHOR / SSK
Buzzer/ call bell	BAJAJ / ANCHOR/GETCO
Alarm bell	KHERAJ / GETCO
Bulk head light fitting	CROMPTON / BAJAJ/ PHILIPS / HAVELL'S
KWH metre	GEC / UNIVERSAL ELECTRIC / HPL

<b>ITEMS</b>	<b>MAKERS / BRAND</b>
Current Transformer	AE/KAPPA/ SIEMENS/ RISHLINE
Voltmeter and ammeter	AE/IMP/ HAVELL'S/ RIHLINE/L & T
Selector switch for Voltmeter/ ammeter	KAYCEE/SIEMENS/LT/SAIZER
Paint	SHALIMAR/ BURGER/ J& NICOLSON
PVC Pipe/ conduit	AVON PLAST/ AKG/DI-PLAST (ISI MARKED)/ UNIVERSAL/PLASTO-PLAST/PLAZZA AKG/PRECISION
Underground Cable	POLYCAB/FINOLEX/HAVELLS
Switches & Sockets	ANCHOR/CRABTREE/MK/LEGRAND
Fans	ORIENT/BAJAJ/POLAR
Air Conditioning	BLUE STAR/VOLTAS/GODREJ/HAGER
Light Fittings	PHILIPS/POLYCAB/HAVELLS/CROMPTON
PVC Casing Caping	PLASTO-PLAST/PLAZZA AGK/PRECISION

**Document /Information to be furnished by the Bidder: (Envelope – I)**

- (a) Financial Analysis – details to be furnished duly supported by figures in balance sheet / profit & loss account for the last five years, duly certified by the Chartered accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached) as per FORM “A”.
- (b) Solvency certificate from bankers of the bidder in the prescribe as per FORM “B”.
- (c) Copies of work orders, performance and completion certificates etc. from the clients for similar works executed and completed in the last seven years, as per FORM ‘C’, FORM ‘D’, FORM ‘E’.
- (d) Copies of original documents defining the constitutional and legal status, place of registration & business of the company / firm / partnership firm / individual etc. as per FORM ‘F’.
- (e) Proposed site organization chart indicating bio-data of key personnel (as per FORM ‘G’)
- (f) Details of construction equipment’s, machinery, tools & tackles as well as testing facilities available (as per FORM ‘H’)
- (g) Copies of valid ITC and STCC/GST.
- (h) Valid electrical contractor licence and supervision licence upto 11 KV.
- (i) PF registration and copy of certificate thereof.
- (j) Power of attorney in the name of person signing the application/ bid .

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- (k) Quality assurance plan along with list of recognised test houses proposed for various tests.
- (l) Bidder may furnish any further information as considered necessary.
- (m) Information furnished will be kept confidential.
- (n) All pages of this bid document to be signed and returned with the bid
  
- (o) Each document furnished along with the bid will be required to be signed by person / person holding power of attorney on behalf of the organisation.
- (p) (a) Bids shall be submitted in sealed cover marked with **“Envelope-I” and “Envelope –II” and clearly mentioned the work name & name of the Bid.**
  - (b) IASST shall not be responsible for any delay, loss or non-receipt of bids. Delayed bids or bids received in late shall not be considered.
  - (c) FAX / Mail bids shall not be entertained.
  - (d) For any discussion / clarification required on the bids, respective bidder shall be intimated in due course after opening of the bids.
- (v) The bidder must submit a copy of the recent passport size photo with the self attested.
  - (a) The requisite quantum of work as shown will be substantiated by completion certificate from the competent project authority. In case of work is in progress, the certificate of proportionate progress in consistent to the schedule of completion will be furnished from the competent project authority.
  - (b) Contractors should have well experienced technical group of persons of appropriate qualification to manage the infrastructure project and ensure quality control of materials and construction activities.
  - (c) The bidder should have sufficient number of plants and machinery and construction equipment's in running conditions for exclusive use in this work.
  - (d) For testing the quality of materials and construction etc. contractors should have their own facilities / collaboration with reputed test houses of Guwahati with IASST's approval, testing will be undertaken with these test houses as per standard codes of practice.

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- (e) The bidder should be well conversant with statutory labour and industrial laws of the country and its proper implementation to the maximum extent.

**FORM 'A'**

**Financial Information :**

Financial Analysis – details to be furnished duly supported by figures in balance sheet / profit & loss account for the last five years, duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached)

YEARS

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- (i) Gross Annual turn over on construction works.
- (ii) Profit /Loss
- (iii) Financial arrangements for carrying out the proposed work.
- (iv) Solvency Certificate from Bankers of the bidder in the prescribed FORM 'B'

Signature of Chartered Accountant with seal

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Signature of Bidder(s)

**FORM 'B'**

**FORM OF BANKERS' CERTIFICATE FROM A SCHEDULED BANK**

This is to certify that to the best of our knowledge and information the M/s Shri / Mr.  
..... having marginally noted  
address, a customer of out of bank is / are respectable and can be treated as good for any  
engagement upto a limit of Rs..... (Rupees  
.....)

This certificate is issued without any guarantee or responsibility on the bank or any of the  
officers.

Signature  
For the Bank

Note : 1. Bankers certificates should be on letter head of the Bank, sealed in cover addressed  
to  
tendering authority.

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2. In case of partnership firm, certificate should include names of all partners as recorded with the Bank.

ge No - 8

**FORM 'C'**

**DETAILS OF ALL WORKS OF SIMILAR CLASS COMPLETED DURING THE  
LAST SEVEN YEARS ENDING LAST DAY OF THE MONTH .....**

1	2	3	4	5	6	7	8	9	10

1. Sl. No :
2. Name of work / project and location :
3. Owner or sponsoring organization :
4. Cost of work in Lakh of rupees :
5. Date of commencement as per contract :
6. Stipulated date of completion :
7. Actual date of completion :
8. Litigation arbitration cases pending / in progress with details :
9. Name & address / telephone No. of officer to whom reference may be made :
10. Remarks :

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Indicate gross amount claimed and amount awarded by the Arbitrator.

Signature of Bidder(s)

**FORM 'D'**

**PROJECTS UNDER EXECUTION OR AWARDED**

1	2	3	4	5	6	7	8	9	10

1. Sl. No :
2. Name of work / project and location :
3. Owner or sponsoring organization :
4. Cost of work in Lakh of rupees :
5. Date of commencement as per contract :
6. Stipulated date of completion :
7. Upto date percentage of progress of work :
8. Reason of slow progress if any :
9. Name & address / telephone No. of officer to whom reference may be made :
10. Remarks :

Certified that the above list of works is complete and no work has been left out and that the information given is correct to my knowledge and belief.



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Signature of Bidder(s)

**FORM 'E'**

**PERFORMANCE REPORT OF WORKS REFERRED TO IN FORMS 'C' & 'D'**

1. Name of work / project & location
2. Agreement No.
3. Estimated cost.
4. Tendered cost
5. Date of start
6. Date of completion
  - (i) Stipulated date of completion
  - (ii) Actual date of completion
7. Amount of compensation levied for delayed completion, if any
8. Amount of reduced rate items, if any
9. Performance Report
  - (a) Quality of work      very good/good/fair/poor
  - (b) Financial soundness      very good/good/fair/poor
  - (c) Technical proficiency      very good/good/fair/poor
  - (d) Resourcefulness      very good/good/fair/poor
  - (e) General Behaviour      very good/good/fair/poor

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Dated:

Executive Engineer or Equivalent

**FORM 'F'**

**STRUCTURE & ORGANISATION**

1. Name & address of the bidder
2. Telephone No / Fax No
3. Legal status of the bidder (attached copies of original document defining the legal status)
  - (a) An individual
  - (b) A proprietary firm
  - (c) A firm in partnership
  - (d) A limited company or Corporation
4. Particulars or registration with various government Bodies (attach attested photocopy)

**Organisation /place or registration**

**Registration No.**

- 1.
- 2.
5. Names and titles of Directors & Officers with designation to be concerned with this work.
6. Designation of individuals authorised to act for the organisation.
7. Was the bidder ever required to suspend construction for a period of more than six months continuously after he commenced the construction? If so, give the name of the project and reasons of suspension of work.

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8. Has the bidder, or any constituent partner in case of partnership firm, ever abandoned the awarded work before its completion? If so, give name of the project and reasons for abandonment.
9. Has the bidder, or any constituent partner in case of partnership firm, ever been debarred / black listed for tendering in any organisation at any time? If so, give details.
10. Has the bidder, or any constituent partner in case of partnership firm, ever been convicted by the court of law? If so, give details.
11. In which field of Civil engineering construction the bidder has specialization and interest?

**FORM 'G'**

**DETAILS OF TECHNICAL & ADMINISTRATIVE PERSONNEL TO BE EMPLOYED FOR THE WORK**

Sl No	Designation	Total Number	No. Available for this work	Name	Qualifications	Professional experience and details of work carried out	How these would be involved in this work	Remarks

Signature of Bidder(s)

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**FORM 'H'**

**List of Equipment:**

**Construction :**

	<b>Batch No</b>	<b>Capacity</b>	<b>Nos</b>
1. Concrete Mixer Machine -			
2. Vibrators -			
3. Trucks -			
4. Dewatering Pumps -			
5. Theodolite -			
6. Dumpy Levels -			
7. Other Survey Equipment's -			
8. Concrete batching Plant -			
9. Equipment for hoisting and lifting -			
(a) Tower			
(b) Builder's hoist			

**Site development & Road works :**

1. Excavator -			
2. Loader -			
3. Tipper Truck -			
4. Dumper -			
5. Earth carrying truck -			
6. 8/10 Ton road roller -			
7. Vibratory Roller -			
8. Mini Hot mix plant -			

**Testing Equipment's:**

1. Cube testing machine -			
2. Cube Moulds -			

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3. Slump Cone
4. Core cutter for soil sample -
5. Sieve testing machine -
6. Modified proctor apparatus -

Note : Plant and machinery require for the specific job within the eligible criteria are only to be described.

Clause 18.

List of mandatory machinery tools & plants to be deployed by the contractor at site:-

<ol style="list-style-type: none"> <li>1. Hydraulic Piling Rig</li> <li>2. Vibrators</li> <li>3. Trucks</li> <li>4. D. Pumps</li> <li>5. Theodolite</li> <li>6. Dumpy Levels</li> <li>7. Survey Equipments – as required</li> <li>8. Concrete Batching Plant</li> <li>9. Concrete Mixture</li> <li>10. Road Roller</li> </ol>	<ol style="list-style-type: none"> <li>10. Cube testing machine</li> <li>11. Cube Moulds</li> <li>12. Slump Cone</li> <li>13. Core cutter for soil sample</li> <li>14. Sieve testing machine</li> <li>15. Modified proctor apparatus</li> </ol>
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Note : Non deployment of tools and plants shall attract penalty. The rate of penalty will be decided by IASST and will be final.

**Clause 36**

- i. Requirement of technical representative (s) and recovery rate.

Sl. No	Minimum qualification of Technical representative	Discipline	Designation (principal Technical /Technical Representative)	Minimum Experience	Numbers	Rate at which recovery shall be Made from the contractor in the Event of not fulfilling provision Of clause 36(i)	
						Figures	Words
1	Graduate Engineer or Diploma Engineer	Civil		2 Yrs or 5 Years	1 (one)	Rs. 1500/- Each per day/head.	Rupees fifteen thousand per month
2	Graduate Engineer or Diploma Engineer	Electrical		2 Yrs or 5 Years	1	Rs. 1500/- Each per day/head	Rupees fifteen thousand per month

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Assistant Engineer retired from Government services that are holding Diploma will be treated at par with graduate Engineers.

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## Form of performance security (Guarantee)

### Bank Guarantee Bond

In consideration of the Director, Institute of Advance Study in Science and Technology (hereinafter called "The Institute") having offered to accept the terms and conditions of the proposed agreement between \_\_\_\_\_ and \_\_\_\_\_ (hereinafter called "the said Contractor(s)" for the work \_\_\_\_\_ (hereinafter called "the said agreement") having agreed to production of an irrevocable Bank Guarantee for Rs.-----( Rupees \_\_\_\_\_ only) as security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

We, \_\_\_\_\_ (hereinafter referred to as "the Bank") hereby undertake (Indicate the name of the Bank) To pay to the Institute an amount not exceeding Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ Only ) on demand by the Institute.

1. We, \_\_\_\_\_ -do hereby undertake to pay the amounts due and payable (Indicate the name of the Bank) Under this guarantee without any demure, merely on a demand from the Institute stating that the amount claimed as required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only)

2. We, the said bank further undertake to pay the Institute any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any count or tribunal relocating thereto our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.

3. We, \_\_\_\_\_ further agree that the guarantee herein contained shall (Indicate the name of the bank)  
Remain in full force and effect during the period that would be taken for the Performance of the said agreement and that it shall continue to be enforceable will all the dues of the Institute under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till IASST authority on behalf of the government certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.

5. We, \_\_\_\_\_ further agree with the Institute shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said

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contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said contractor(s) or for any forbearance act of commission

20

on the part of the Institute or any indulgence by the Institute to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of bank or the Contractor(s).

7. We, \_\_\_\_\_ lastly undertake not to revoke this guarantee except  
(Indicate the name of the Bank)

With the previous consent of the Institute in writing.

8. This guarantee shall be valid upto \_\_\_\_\_ unless extended on demand by the Institute. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. \_\_\_\_\_ (Rupees. \_\_\_\_\_ only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated the \_\_\_\_\_ day of \_\_\_\_\_ for \_\_\_\_\_ (indicate the name of the Bank)



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**ANNEXURE - E**

GUARANTEE TO BE EXECUTED BY THE CONTRACTOR FOR REMOVAL OF DEFECTS AFTER COMPLETION IN RESPECT OF WATER SUPPLY AND SANITARY INSTALLATIONS.

The agreement made this-----day of-----two thousand and-----  
---between -----S/o -----

(hereinafter called the GUARANTOR of the one part) and the Director, IASST (hereinafter called the Institute of the other part).

WHEREAS THIS agreement is supplementary to a contract (Herein after called the Contract) dated-----and made between the GUARANTOR OF THE ONEPART AND the Government of the other part, whereby the contractor interalia , under look to render the work in the said contract recited structurally stable, workmanship and use of sound materials.

AND WHEREAS THE GUARANTOR agreed to give a guarantee to the effect that the said work will remain structurally stable and guarantee against faulty workmanship,Finishing manufacturing defects of materials and leakages etc.

NOW THE GUARANTOR hereby guarantee that work executed by him will remain structurally stable , after the expiry of maintenance period prescribed in the contract for the minimum life of two years, to be reckoned from the date after the expiry of maintenance period prescribed in the contract.

The decision of the Engineer-in-Charge with regard to nature and cause of defect shall be final.

During the period of guarantee the guarantor shall make good all defects to the satisfaction of the Engineer-in-charge calling upon him to rectify and defects failing which the work shall be got done by the Department by some other contractor at the guarantor's cost and risk. The decision of the Engineer-in charge as to the cost payable by the guarantor shall be final and binding.

That if the guarantor fails to make good all the defects, commits breach there under then the guarantor will indemnify the Principal and his successor against all loss, damage ,cost expense or otherwise which may be incurred by him by reason of any default on the part of the GUARANTOR in performance and observance of this supplementary agreement. As to the amount of loss and /or damage and/ or cost incurred by the Government the decision of the Engineer-in-charge will be final and binding on the parties.

IN WITNESS WHEREOF those presents have been executed by the obligator-----  
and-----

By for and on behalf of the Director, IASST on the day, month and year first above written.

Signed sealed and delivered by OBLIGATOR in presence of:

1----- 2-----

SIGNED FOR AND ON BEHALF OF THE Director, IASST BY-----

In the presence of:

1----- 2-----

**INSTITUTE OF ADVANCED STUDY IN SCIENCE AND  
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**ANNEXURE-II**  
**GUARANTEES BOND TO BE EXECUTED BY CONTRACTOR FOR WATER  
PROOFING TREATMENT FOR BASEMENT/TERRACE/TOILETS.**

This agreement made this -----day of -----Two thousand and -----  
-between -----son of -----(hereinafter called the  
Guarantor of the one part) and the Director, IASST ( hereinafter called the Institute on the  
other part)

Whereas this agreement is supplementary to a contract (hereinafter called the contract) dated-  
-----and made between the Guarantor of the one part and the Government on the  
other part, where by the contractor interalia , undertook to render the structures in the said  
contract pesticated completely water and leak proof.

The Guarantor hereby guarantees that water proofing treatment given by him will render the  
structures completely leak proof and the minimum life of such water proofing treatment shall  
be ten years to be reckoned from the date after the maintenance period prescribed in the  
contract.

Provided that the guarantor will not be responsible for leakage caused by earthquake or  
structural defects.

The decision of the Engineer-in-Charge with regards to cause of leakage shall be final.

During the period of guarantee the guarantor shall make good all defects and in case of any  
defect being found render the structure water proof to the satisfaction of the Engineer-In-  
charge at his cost and shall commence the work for such rectification within seven days from  
the date of issue of notice from the Engineer-In-Charge calling upon him to rectify and  
defects failing which the work shall be got done by the department through some other  
contractor at the GUARANTOR'S cost and risk. The decision of the Engineer-In-Charge as  
to the cost, payable by the Guarantor shall be final and binding.

That if GUARANTOR fail to execute the water proofing or comments breach there under  
then the Guarantor will indemnify the Principal and his successors against all loss ,damages,  
cost, expenses or otherwise which may be incurred by him by reason of any default on the  
part of the GUARANTOR in performance and observance of this supplementary agreement.  
As to the amount of loss and /or cost incurred by the Institute on the decision of the Engineer-  
In-Charge will be final and binding on the parties.

IN WITNESS WHEREOF those presents have been executed by the obligator-----  
-----and by-----

For and on behalf of the Director, IASST on the day, month and year first above written.

Signed sealed and delivered by OBLIGATOR in presence of:

1----- 2-----

SIGNED FOR AND ON BEHALF OF THE DIRECTOR, IASST BY-----

----- in the presence of:

1----- 2-----

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**Form of performance security (Guarantee)**  
**Bank Guarantee Bond**

In consideration of the Director, IASST (hereinafter called "IASST") having offered to accept the terms and conditions of the proposed agreement between \_\_\_\_\_ and \_\_\_\_\_ (hereinafter called "the said Contractor(s)" for the work \_\_\_\_\_ (hereinafter called "the said agreement") having agreed to production of an irrevocable Bank Guarantee for Rs.----- ( Rupees \_\_\_\_\_ only) as security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

We, \_\_\_\_\_ (hereinafter referred to as "the Bank") hereby undertake (Indicate the name of the Bank) to pay to the IASST an amount not exceeding Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ Only ) on demand by the IASST.

4. We, \_\_\_\_\_ -do hereby undertake to pay the amounts due and payable (Indicate the name of the Bank) Under this guarantee without any demure, merely on a demand from the IASST stating that the amount claimed as required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only)

5. We, the said bank further undertake to pay the IASST any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or tribunal relocating thereto our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.

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6. We, \_\_\_\_\_ further agree that the guarantee herein contained shall  
(Indicate the name of the bank)

Remain in full force and effect during the period that would be taken for the Performance of the said agreement and that it shall continue to be enforceable will all the dues of the IASST under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till IASST authority on behalf of the government certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.

5. We, \_\_\_\_\_ further agree with the Government that the Government  
(Indicate the name of the Bank)

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

6. This guarantee will not be discharged due to the charge in the constitution of bank or the Contractor(s).

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7. We, \_\_\_\_\_lastly undertake not to revoke this guarantee except  
(Indicate the name of the Bank)

With the previous consent of the Government in writing.

9. This guarantee shall be valid upto\_\_\_\_\_unless extended on demand by the IASST. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs.\_\_\_\_\_(Rupees. \_\_\_\_\_only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated the\_\_\_\_\_ day of \_\_\_\_\_for \_\_\_\_\_(indicate the name of the Bank)



## SOR for Construction of security Barrack At IASST.

Civil Work						
A						
Sl no	Item No.	Description of item	Qty	Unit	Rate (Rs)	Amount (Rs)
1	2.2	Earth work in rough excavation, banking excavated earth in layers not exceeding 20cm in depth, breaking clods, watering, rolling each layer with ½ tonne roller or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up in embankments for roads, flood banks, marginal banks	123.04	cum		
2	2.27	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20	180.00	cum		
3	3	Providing flat brick soling under foundation ,floor,plinth beam .....in cement mortar in proportion 1:4 including curing complete as specified and as directed	302.55	sqm		
4	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6	28.43	cum		
5	5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :	42.42	cum		

6	6.29	<b>Brick work with common burnt clay machine moulded F.P.S. (non modular) bricks of class designation 12.5 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand).</b>	12.08	cum		
7	5.22.6	<b>Steel reinforcement for R.C.C. work including straightening, cutting,</b>	4269.4448	KG		
8	5.9	<b>Centering and shuttering including strutting, propping etc. and removal of form work for :</b>	157.80	sqm		
9	5.9.6	<b>Columns, piers, abutments, pillars, posts and struts</b>	115.00	sqm		
10	5.9.3	<b>Suspended floors, roofs, landings, balconies and access</b>	54.00	sqm		
11	6.12	<b>Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in</b>	365.80	sqm		
12	11.41	<b>Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse</b>	28.00	sqm		



13	11.4	<b>Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry</b>	99.70	sqm		
14	13.1	<b>Providing 12mm thick plaster on even surface of wall with cement mortar 1:4</b>	406.38	sqm		
15	13.2	<b>15mm thick cement plaster on the rough side of single or half brick wall with cement mortar of 1:4</b>	407.03	sqm		
16	13.16	<b>6 mm cement plaster of mix :</b>	50.50	sqm		
17	13.8	<b>Providing two coats of Birla white wall care putty .....of clean water as specified and directed by the department...( Total thickness of two coats is maximum 1.5 mm)</b>	795.46	sqm		
18	13.43	<b>Apply one coat of cement primer of approved brand and manufacture on plastered surface.</b>	795.46	sqm		
19	13.82	<b>Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.</b>	397.73	sqm		

20	13.46	<b>Finishing walls with Acrylic Smooth exterior paint of required shade :</b>	348.13	sqm		
21	12	<b>Supply ,fitting ,fixing and painting gypboard ceiling 12.5mm.....on the entire back surface of the gypboard ceiling in order to prevent moisture</b>	136.30	sqm		
22	11.2.1	<b>Providing and Fixing anodised aluminium work for doors, windowss, ..... Clips or with expansion hold fastner including necessary filling up of gaps at junction .....architactural drawings and direction of enineer incharge.</b>				
23		<b>For Door</b>	8.19	SQM		
24		<b>For shutter of door window &amp; ventilator sliding.....neoprene gasket required..</b>	18.00	SQM		
25	10.61.1	<b>Steel work in built up tubular trusses including cutting, hoisting fixing in position and applying a priming coat of approved steel primer, sealed and bolted including special shaped washers etc. complete.</b>	1674.10	kg		
26	7/8.1.33	<b>Providing pre painted galvanised iron sheet roofing .....TATA blue scope/ Dyna roof ....</b>	372.00	sqm		
27	12.4.2	<b>Providing pre painted galvanised iron sheet roofing (Ridges / Valley etc.) ..... ..</b>	31.00	mtr		

28	11.3	<b>Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.</b>	192.20	sqm		
	<b>A</b>	<b>Civil work</b>	<b>Gross total</b>			

	B	Sanitary works				
SL no	Item No.	Description of item	Qty	Unit	Rate (Rs)	Amount (Rs)
	<b>B</b>	<b>Sanitary &amp; Water Supply Works</b>				
29	17.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required	3.00	nos		
30	17.16a	Providing and fixing water closet jet spray ..... including necessary fixture complete.	3.00	nos		
31	17.5	5 Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required	3.00	nos		
32	0	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:	2.00	nos		

33	18.56	<b>Providing and fixing single hole quarter turn CP basin pillar cock jaquar make .....15mm .nominal bore</b>	2.00	nos		
34	0	<b>Providing and fixing C. P angular stop cock (Jaquar make) of 15mm ....C.P copper connection.</b>	3.00	nos		
35	0	<b>Providing and fixing CP Brass Single lever telephonic wall mixer of quality &amp; make as approved by Engineer in charge.</b>	1.00	no.		
36	0	<b>Providing and fixing UPVC floor trap with 100mm .....steel grating with frame.</b>	6.00	nos.		
37		<b>Providing and fixing kitchen sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P. brass waste complete, including painting the fittings and brackets, cutting and making good the walls wherever required:</b>	1.00	no		
38		<b>Supply ,fitting and fixing overhead adjustable chrome plated spray shower 15 mm of sona makec with wall flange as directed and specified.</b>	1.00	no		
39	17.7	<b>Providing and fixing CP chrome plated towel rail .....to rawl plug with CP brass screws..</b>	1.00	no		
40	17.71	<b>Providing ,fitting and fixing chrome soap dish of jaquar make complete as specified and directed ( Continental Aecessories)</b>	1.00	no		
41	0	<b>Providing and fixing CP Bibcock of jaquar make .....nominal bore complete with flange.</b>	3.00	nos		
42	17.28	<b>Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.</b>	3.00	nos		

43	17.31	<b>Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers</b>	1.00	no		
44	18.8	<b>Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot &amp; cold water supply including all CPVC plain &amp; brass threaded fittings This includes jointing of pipes &amp; fittings with one step CPVC solvent cement, trenching, refilling &amp; testing of joints complete as per direction of Engineer in Charge</b>				
		<b>15 mm</b>	10.00	mtr		
		<b>25mm</b>	10.00	mtr		
		<b>100 mm</b>	18.00	mtr		
45	0	<b>Providing and fixing polyethylene water storage tank 151 : 12701.....outlet in all respect of sintex make</b>	1.00	nos		
	<b>B</b>	<b>Sanitary work</b>	<b>Gross total</b>			

		<b>Electrical works</b>				
Sl no	Item No.	Description of item	Qty	Unit	Rate (Rs)	Amount (Rs)
46	1.10	<b>Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required</b>	24.00	nos		
	1.10	<b>Group A</b>				
47	1.1.2.	Group B	21.00	nos		
48	1.1.3.	Group C	8.00	nos		
49	1.23	<b>Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.</b>	69.00	nos		
50	1.23.4	<b>3 pin 5/6 A socket outlet</b>	16.00	nos		
51	1.14.10	<b>Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.</b>				
		<b>4 X 10 sq. mm + 2 X 6sq. mm earth wire</b>	90.00	nos		

52	16.4.2.2	<b>Supplying with fitting and fixing single Pole 10 KA 240/415V 50Hz MCB of the following capacity complete with making necessary connection as approved, specified and directed by the deptt. C Series, (Schneider MG, legrand, Hager make</b>				
		6 to 32 A	26.00	nos		
53	16.4.2.2	40A	3.00	nos		
54	27.1/27.1.2	<b>Supplying including fitting fixing of following A.C. Ceiling fan complete with all accessories like down rod, canopy etc. of following sweeps with making necessary connection as approved by the Deptt.)as required complete and as directed by the Department</b>	14.00	nos		
55	27.2/27.2.1.2	<b>Supplying including fitting fixing of following A.C. Exhaust fan in the existing hole on the wall of following sweeps with making necessary connection as approved by the Deptt.)as required complete and as directed by the Department. Power Flow 225 mm sweep (ORIENT make)</b>	7.00	nos		
56		<b>Supplying fitting and fixing of LED lamp in the existing luminaries. PHILIPS/ CROMPTON GREAVES/ WIPRO/ BAJAJ/ Havells/ HPL/ SOLAR make</b>	11.00	nos		
57		<b>Supplying fitting and fixing of retrofit LED lamp in the existing luminaries. PHILIPS/ CROMPTON GREAVES/ WIPRO/ BAJAJ/ Havells/ HPL/ SOLAR make</b>	13.00	nos		



58	SB.8.33.1	<b>1-3 Module</b>	8.00	nos		
59	SB.8.33.3	<b>8 Module</b>	4.00	nos		
60	SB.8.33.4	<b>12 Module</b>	4.00	nos		
61	15.2.1.4	<b>12 Way SPN Double Door</b>	2.00	nos		
62	22.1.	<b>Supply with installation &amp; commissioning of readymade maintenance free CPRI approved technology G.I. CHEMRODE ELECTRODE complete with RESLOW Grounding Minerals (25 K and Advance Earth Pit cover (PV including excavation of earth pit and construction brick earth chamber including plastering both inner &amp; outer surface of</b>	1.00	nos		
63	22.1.	<b>Supplying &amp; laying of 6 SWG G.I..earth drawn through 15 mm dia. Medium quality G.I. pipe from Earth Electrode (below G.L.) to electrical switch gears or electrical machineries including making necessary connection as approved, specified and directed by the deptt</b>	65.00	mtr		
		<b>Electrical work</b>	<b>Gross Total</b>			

	D	Extra item				
Sl no	Item No.	Description of item	Qty	Unit	Rate (Rs)	Amount (Rs)
64	1	Cup board (Extra Item)	20.00	sqm		
65	2	Single bed metel 1950 mm x 920 mm x 611 mm(Model - Pioneer 11)	33.00	nos		
		<b>Extra item</b>	Gross total			



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OF SCIENCE AND TECHNOLOGY (GOVT. OF INDIA)  
Vigyan Path, Paschim Boragaon, Garchuk,  
Guwahati – 781 035, India.**

**Summary of Price bid**

**Construction of SECURITY BARRACK at IASST**

SL/NO	DESCRIPTION	AMOUNT in Rs.
1	CIVIL WORK	
2	SANITARY WORK	
3	ELECTRICAL WORK	
4	EXTRA ITEM	

**Grand Total**

**(Rupees In Word)**

**Signature of Bidder**