

Government of India  
Frontier Headquarter B.S.F.Salbagan (Agartala) – 799012,  
(Tripura)



**Notice Inviting Tender**

- N.I.T. No.** : **IGA/ Engg/E-NIT (Civil)/24-25/01**
- Name of Work** : **Renovation and Up-gradation of 01 No MI Room at BSF Campus Salbagan under FTR HQ BSF Tripura. (Composite work)**
- Estimated Cost** : **₹ 50,94,683/- only**  
**(47,04,727/- (civil works) + 3,89,956/- (elect works))**
- Earnest Money** : **₹ 1,01,900/- only**
- Time allowed** : **180 Days**

**Certified that this N.I.T. amounting to Rs. 50,94,683.00 (Rupees Fifty Lakhs Ninety Four Thousand Six Hundred Eighty-Three) only contains 84 pages only, in chronological order.**

**Assistant Commandant (Works)**  
**FTR HQ BSF TRIPURA**

**Assistant Commandant (Elect)**  
**FTR HQ BSF TRIPURA**

Approved / Not Approved

Dy Commandant (Works)  
Frontier HQ BSF Salbagan  
(Agartala) Tripura – 799012

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>



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Dy. Commandant (Works),  
Frontier HQ BSF Salbagan  
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<b>DELETION (D)</b>	<b>NIL</b>

Insp (Elect)  
FTR HQ BSF Tripura

AC (Elect)  
FTR HQ BSF Tripura



**FRONTIER HEAD QUARTER B.S.F. - SALBAGAN (AGARTALA), TRIPURA**

**(Engineering Branch)**

**Notice Inviting E- tender**

The Dy Commandant (Works) Frontier Headquarter BSF, Salbagan (Agartala) – 799012 (Tripura) on behalf of the President of India invites online **Percentage rate composite e-tenders** from approved and eligible contractors of CPWD/ MES/ BSNL/ Railways/ State PWD (Building works) of Tripura (1. The contractor those who are enlisted on composite tendering category will only be eligible for tendering. 2. The main contractors who is not having a valid composite tendering license should submit an affidavit in a stamp paper duly attested by notary stating that the minor part of the work will be executed through an agency who is having valid license of appropriate stream and class. The agreement with minor agency in this regard have to submit within seven days from acceptance of tender). for the under mentioned work: -

S. No	NIT No. and Name of Work	Estimated Cost (in rupees)	EMD	Time of completion	Last time & date of submission of tender	Time & date of opening of tender
1.	<b>IGA/ Engg/E-NIT (Civil)/24-25/01</b> <b>Renovation and Up-gradation of 01 No MI Room at BSF Campus Salbagan under FTR HQ BSF Tripura. (Composite work)</b>	<b>Rs. 47,04,727/- (civil)</b> <b>Rs.3,89,956/- (Elect)</b> <b>Total ₹ 50,94,683/- (Civil+Elect)</b>	<b>₹ 1,01,900</b>	<b>180 Days</b>	<b>10/06/2024 at 1100 hrs</b>	<b>11/06/2024 at 1100 hrs</b>

The tender forms and other details can be obtained from the web site [www.eprocure.gov.in](http://www.eprocure.gov.in) and [www.bsf.gov.in](http://www.bsf.gov.in) .

Dy Commandant (Works)  
Frontier HQ BSF Salbagan  
(Agartala)Tripura – 799012

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<b>DELETION (D)</b>	<b>NIL</b>



**INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR E-TENDERING**  
**FORMING PART OF NIT AND TO BE POSTED ON WEBSITE**

The Dy Commandant (Works) Frontier Headquarter BSF Salbagan (Agartala) (Tripura) – 799012 on behalf of the President of India invites online **Percentage rate composite e-tenders** from approved and eligible contractors of CPWD/ MES/ BSNL/ Railways/ State PWD (Building works) of Tripura for the under mentioned work :-

- |   |   |  |
|---|---|--|
| 1. NIT No.  | : | <b>IGA/ Engg/E-NIT (Civil)/24-25/01</b>  |
| 2. Name of work   | : | <b>: Renovation and Up-gradation of 01 No MI Room at BSF Campus Salbagan under FTR HQ BSF Tripura (Composite work)</b> |
| 3. Estimated cost put to tender   | : | <b>₹ 50,94,683/- only</b>  |
| 4. Period of completion   | : | <b>180 Days</b>  |
| 5. Last date & time of submission of original EMD, Copy of receipt for deposition of EMD and other documents specified in tender notice | : | <b>10 /06 /2024 at 1100 hrs</b>  |
| 6. Period of submission/uploading of Eligibility & financial bids   | : | <b>10 /06/2024 at 1100hrs</b>  |
| 7. Time and date of opening of tender   | : | <b>11/06/2024 at 1100 hrs</b>  |

- The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
- Information and instructions for bidders posted on website shall form part of bid document. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of contract to be complied with and other necessary documents can be seen and downloaded from website [www.eprocure.gov.in](http://www.eprocure.gov.in) free of cost.
- The contractor should deposit original EMD in the office of Dy. Commandant (Works), inviting the bids or Assistant Commandant (Works), of SHQ BSF GokulNagar/ Teliamura/ Udaipur/ Panisagar or their authorised signatory within the period of submission. The contractor shall obtain the receipt of EMD so deposited from the DC/AC in the prescribed format uploaded. The bid document as uploaded can be viewed and downloaded free of cost by anyone including intending bidder but the bid can only be submitted after uploading the mandatory scanned documents such as demand draft/pay order/ bankers cheque/ Fixed deposit receipt/ Deposit at call receipt towards EMD in favour of **IG, FTR HQ BSF Tripura** copy of receipt of original EMD deposition and other documents specified in tender notice.

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4. Those contractors not registered on the website (e-tendering portal) are required to get registered beforehand. If needed they can be imparted training on online tendering process as per the details available on the website. The intending bidder must have **valid class-III digital signature certificate** to submit the bid.
5. On opening date, the contractor can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets.
6. Contractor can upload documents in the form of JPG and PDF format.
7. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number being suitable to it, if too many bids are received satisfying the laid down criteria.
8. Contractor must ensure to quote rates including all taxes applicable in respect at this contract, Govt will not entertain any claim whatsoever in respect the Same. The column meant for quoting rates in figures appears in pink colour and the moment rate is entered, it turns sky blue. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank and the same shall be treated as '0' Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as '0' (zero)

**List of documents to be scanned and uploaded digitally signed within the period of bid submission to CPP Portal: -**

- a) Earnest money of ₹ 1,01,900/- in the form of Treasury Challan/Demand Draft/Pay order or Banker's Cheque /Deposit at Call Receipt of any Scheduled Bank issued in favour of **IG, FTR HQ BSF Tripura**.
- b) Valid Enlistment order of eligible contractor in appropriate class and category enlisted in CPWD/ MES/ Railways/ BSNL/Tripura State PWD.
- c) Electrical licence of own the firm /Engaged for execution of the electrical work with an affidavit of such under taking.
- d) Copy of PAN Card duly linked with Adhaar Card and acknowledgement of upto date IT return.
- e) Certificate of GST Registration.
- f) Receipt of deposition of original EMD in prescribed format as per NIT.
- g) Signed copy of integrity pact & Integrity agreement at Srl No 15 to 21 of this NIT.
- h) Self-Declaration by the agency that they are not blacklisted / debarred / or have not abandoned any work of any Government Authority / Department on Non-Judicial Stamp Paper of Rs. 100.00 duly notarized.
- i) An Affidavit of as per CPWD-6.
- j) Valid work Experience Certificate & Credential
- k) Any other documents intend to submit by the contractor/firm.
- l) Valid Mobile Number, E- mail address & correspondence address to be uploaded on letter head of the bidder with seal and sign.

Dy Commandant (Works)  
Frontier HQ BSF Salbagan  
(Agartala) Tripura – 799012

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**Receipt of deposition of original EMD**

Date and time of issue of receipt : \_\_\_\_\_

1. Name of work : Renovation and Up-gradation of 01 No MI Room at BSF Campus Salbagan under FTR HQ BSF Tripura.(Composite work)
2. NIT No. : IGA/ Engg/E-NIT (Civil)/24-25/01
3. Estimated Cost : ₹ 50,94,683/-
4. Earnest money to be deposited : ₹ 1,01,900/-
5. Last date of submission of bid : 10.06.2024 upto 1100 Hrs
6. Details of earnest money deposited : \_\_\_\_\_  
\_\_\_\_\_
7. Amount deposited. : ₹ \_\_\_\_\_/-
8. Name of contractor :

Signature, name & designation of EMD receiving officer DC (Works) along with office stamp

**INFORMATION AND INSTRUCTIONS FOR EXECUTIVE ENGINEER / ASSISTANT ENGINEERS FOR E-TENDERING**

1. The Dy. Commandant (Works), / Assistant Commandant (Works), of Frontier HQ BSF Salbagan (Agartala) and Assistant Commandant (Works), of Sector HQ BSF Teliamura/ Teliamura/ Udaipur/ Panisagar or their authorised signatory should receive the original EMD in respect of their own tenders/ tenders of Tripura Frontier HQ/ tenders of other Sectors under Tripura Frontier.
2. **The Dy. Commandant (Works), / Assistant Commandant (Works), receiving the original EMD shall examine the credential/relevant documents and issue the receipt of deposition of earnest money to the agency in the above given format, whose documents will be found valid.**
3. The receiving officer will forward original EMD to the respective Executive Engineer/Assistant Engineer calling NIT with letter for his further action.

CORRECTION (C)	NIL
INSERTION (I)	NIL
DELETION (D)	NIL



**Government of India**  
**Headquarters Tripura Frontier Border Security Force Salbagan (Agartala)**  
**Notice Inviting E- Tender**

1. The Dy Commandant (Works), Frontier Headquarters Tripura Frontier BSF, Salbagan (Agartala) - 799012 (Tripura) on behalf of the President of India invites online **percentage rate composite e-Tender** from approved and eligible contractors of appropriate category and class of CPWD/ MES/ BSNL/ Railways/ State PWD (Building works) of Tripura for the following work: -

**“Renovation and Up-gradation of 01 No MI Room at BSF Campus Salbagan under FTR HQ BSF Tripura.”(Composite work)**

The work is estimated to cost ₹ 50,94,683/- . The estimate, however, is given merely as a rough guide.

- 1.1 Intending tenderer is eligible to submit the bid provided he fulfils the criteria eligibility for quoting the tender. The Civil or electrical contractors of state PWD (Building works) enlisted under composite tendering categories of Tripura/MES/BSNL/CPWD who is having valid enlistment on the last date of submission of tender is eligible for participating in this tender and for this work only. However, the civil enlisted contractors who is not having a valid electrical contractor’s license should submit an affidavit in a stamp paper duly attested by notary stating that the electrical work will be executed through an agency who is having valid electrical license and will also submit the agreement between both parties on a stamp paper valid in a court of law along with EMD. These documents should also be scanned and uploaded within the time allowed for submission of technical bids failing which financial bid will not be opened.

- 1.1.1 The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the bids. He will also nominate Division which will deal with all matters relating to the invitation of bids.

- 1.2 Tenders will only be considered of those eligible contractors provided they produce definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below: -

Three similar works each of value not less than 40% of estimated cost or two similar work each of value not less than 60% of estimated cost or one similar work of value not less than 80% of estimated cost (rounded to nearest Rs. 10,000/-) in last 7 years ending last day of the month previous to the one in which the tenders are invited.

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2. Agreement shall be drawn with the successful tenderer on prescribed form No. CPWD 7 modified/ amended up to the last date of receipt of tender which is available as a Govt. of India publication. Tenderer shall quote his rates as per various terms and conditions of the said form which shall form a part of the agreement.
3. The time allowed to carry out the work will be 180 **days** from the date of start as defined in schedule 'F' or from the first date of handing over the site, whichever is later, in accordance with the phasing, if any, indicated in tender documents.
4. The site for the work is available or will be made available one by one building.
5. The tender documents consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard **General conditions of contract form – 2023 maintenance work** modified/ amended up to last date of receipt of tender can be seen from website [www.eprocure.gov.in](http://www.eprocure.gov.in) free of cost.
6. After submission of the bid, the contractor can re-submit revised bid any number of times but before last date and time of submission of tender as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rates of all items) but before last time and date of submission of tender as notified.
8. When tenders are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted the tender submitted earlier shall become invalid.
9. Earnest money in the form of demand draft or pay order or banker's cheque or deposit at call receipt or fixed deposit drawn in favour of **IG, FTR HQ BSF, Tripura** shall be scanned and uploaded to the e-tendering website within the period of bid submission. The original EMD should be deposited in the office of Dy. Commandant (Works), inviting the bids or Assistant Commandant (Works), of SHQ BSF Teliamura/ Teliamura/ Udaipur/ Panisagar within the period of bid submission. The EMD receiving officer shall issue a receipt of deposition of earnest money to the bidder in a prescribed format (enclosed) uploaded by tender inviting authority in the NIT. After verification of credential/relevant documents of the firm. The receipts shall also be uploaded by the intending bidder up to the specified bid submission date and time.
- 9.1 A part of earnest money is acceptable in the form of bank guarantee also. In such cases, 50 % of earnest money or Rs. 20 lakhs, whichever is less, will have to be deposited in shape prescribed above, and balance in shape of bank guarantee of any scheduled bank having validity for **Eight Months** or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

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<b>DELETION (D)</b>	<b>NIL</b>

9.2 Copy of enlistment and other documents as specified in tender notice shall be scanned and uploaded to the e-tendering website within the period of bid submission.

9.3 Online bid documents submitted by intending bidders shall be opened only of those bidders, who have deposited earnest money and other documents scanned and uploaded are found in order.

9.4 The bid submitted shall be opened at **11.06.2024 at 1100 hrs**

**10. (A).**The bid shall become invalid if :-

i) The bidder is found ineligible.

ii) The bidder has not deposited original EMD of the Dy Commandant (Works) Ftr HQ BSF Salbagan, Agartala as specified in para 9.

iii) The bidder does not upload all the documents as stipulated in bid documents including the copy of receipt for deposition of original EMD.

iv) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest tenderer in the office of tender inviting authority.

v) If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/ below on the total amount of the tender or any section/ sub head in percentage rate tender, the tender shall be treated invalid and will not be considered as lowest tenderer.

Online bid documents submitted by intending bidders shall be opened only of those tenderer, who have uploaded the scanned copies of the required documents and submitted required documents in hard copy i/c Earnest Money, in the office of the Dy Commandant (Works) Ftr HQ BSF Tripura before the due date and time and if these documents are found in order.

11. The contractor whose bid is accepted will be required to furnish performance guarantee of **5% (Five percent)** of the bid amount within the period specified in schedule 'F'. The guarantee shall be in the form of Deposit at call receipt/ fixed deposit receipt/ Pay order/ Demand draft/ Banker's cheque. In case the contractor fails to deposit the said performance guarantee within the period as indicated in schedule 'F' including the extended period if any, the earnest money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after the receipt of aforesaid performance guarantee.

12. Intending firm/ agencies are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A firm/ agency shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The firm/ agency shall be responsible for arranging and maintaining at his own cost all materials, tools and plants, water, electricity access, facilities for workers and all other services required for execution of work unless otherwise specifically provided for in the contract documents. Submission of a tender by a firm/

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<b>DELETION (D)</b>	<b>NIL</b>

agency implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which store, tools and plant etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of work.

13. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other tender and reserves to itself 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 firm/ agency shall be summarily rejected.
14. Canvassing whether directly or indirectly, in connection with firm/ agency is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable for rejection.
15. The competent authority on behalf of the President of India reserves to himself the right of accepting the whole or any part of the tender and the firm/ agency shall be bound to perform the same at the rate quoted.
16. The agency shall not be permitted to tender for works in Frontier HQ BSF Tripura and its Sectors or Battalion Headquarters or BOPs responsible for award and execution of contracts, in which his near relative is posted as Senior Accountant or an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Border Security Force or in Ministry of Home Affairs. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this department.
17. No Engineer of gazetted rank or other gazetted officer employed in Engineering or Administrative duties in an Engineering department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.
18. The bid for the work shall remain open for acceptance for a period of 90 days from the date of opening of financial bid. If any bidder 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 bid which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50 % of the said earnest money as aforesaid. Further the bidder shall not be allowed to participate in the re-bidding process of the work.
19. This notice inviting tender shall form a part of the contract document. The successful firm/ agency, on acceptance of his tender by the Accepting Authority shall within 15 days from the date of award of work sign the contract consisting of :-
  - a) The notice inviting tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time of invitation of tender and the

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rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.

b) Standard CPWD form 7 amended/ modified up to last date of receipt of tender.

20. In case of any discrepancy is noticed in the documents as uploaded at the time of submission of the bid online then the bid submitted shall become invalid and the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50 % of the said earnest money as aforesaid. Further the firm/ agency shall not be allowed to participate in the re-tendering process of the work.

21. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare board including provident Fund Code No. if applicable. and also ensure the compliance of aforesaid provisions by the sub contractors, if any engaged by the contractor for the said work and program Chart (Time and progress) within the period specified in Schedule F.

**For Composite Bids**

22.1.1 The Executive Engineer in- charge of the major component will call bids for the composite work. The cost of bid document and Earnest Money will be fixed with respect to the combined estimated cost put to tender for the composite bid.

22.1.2 The tender document will include following three components:

**Part A:-** CPWD-6, CPWD-8 including schedule A to F for the major component of work.

**Part B:- General conditions of Contract for CPWD 2023 for maintenance work** as amended/modified up to date of issue of NIT, General/ specific conditions, Additional specifications and schedule of quantities applicable to major component of the work.

**Part C:-** Schedule A to F for minor component of the work. (Superintending Engineer / Executive Engineer in charge of major component shall also be competent authority under clause 2 and clause 5 as mentioned in schedule A to F for major components), General / specific conditions, specifications and schedule of quantities applicable to minor component(s) of the work.

22.1.3 The tenderers must associate himself, with agencies as per NIT conditions.

22.1.4 The eligible bidders shall quote rates for all items of major component as well as for all items of minor components of work.

22.1.5 After acceptance of the bid by competent authority, the Executive Engineer in charge of major component of the work shall issue letter of award on behalf of the President of India. After the work is awarded, the main contractor will have to enter into one agreement with EE in charge of major component and has also to sign two or more copies of agreement depending upon number of EE in charge of minor components. One such signed set of agreement shall be handed over to

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EE in charge of minor component. Entire work under the scope of composite bid including major and all minor components shall be executed under one agreement.

22.1.6 Entire work under the scope of building tender including major and all minor components shall be executed under one agreement.

22.1.7 Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works.

22.1.8 The main contractor has to associate agencies for specialized component(s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such agency(s) to Engineer-in-charge of relevant component(s). within prescribed time. Name of the agency(s) to be associated shall be approved by Engineer-in-charge of relevant component(s).

22.1.9 In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer-in-charge of relevant specialized component(s). The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer-in-charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.

22.1.10 The main contractor has to enter into MoU with agency(s) associated by him. Copy of such MoU shall be submitted to EE/ DDH in charge of each relevant component as well as to EE in Charge of major component. In case of change of associate contractor, the main agency(s) has to enter into MoU/agreement with the new contractor associated by him.

22.1.11 Running payment for the major component shall be made by EE of major discipline to the main contractor. Running payment for minor components shall be made by the Engineer-in-charge of the discipline of minor component directly to the main contractor.

**22.1.9 The composite work shall be treated as complete when all the components of the work are complete. The completion certificate of the composite work shall be recorded by Engineer-in-charge of major component after record of completion certificate of all other components.**

22.1.10 Final bill of whole work shall be finalized and paid by the EE of major component. Engineer(s) in Charge of minor component(s) will prepare and pass the final bill for their component of work and pass on the same to the EE of major component for including in the final bill for composite contract.

22.1.11 GST and all other tax as applicable, Education Cess, Tripura State construction worker’s welfare cess etc. shall be payable by the contractor and Government will not entertain any claim whatsoever in respect of the same. \*\*

23 :- To become eligible for issue of tender, the tender shall have to furnish an affidavit as under :-

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<b>INSERTION (I)</b>	<b>NIL</b>
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“I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back-to-back basis. Further, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in BSF in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-charge shall be free to forfeit the entire amount of the Earnest Money/Performance Guarantee”.

**List of documents to be scanned and uploaded digitally signed within the period of bid submission to CPP Portal: -**

- a) Earnest money of ₹ 1,01,900/- in the form of Treasury Challan/Demand Draft/Pay order or Banker’s Cheque /Deposit at Call Receipt of any Scheduled Bank issued in favour of **IG, FTR HQ BSF Tripura**”.
  - b) Valid Enlistment order of eligible contractor in appropriate class and category enlisted in CPWD/ MES/ Railways/ BSNL/Tripura State PWD.
  - c) Electrical licence of own the firm /Engaged for execution of the electrical work with an affidavit of such under taking.
  - d) Copy of PAN Card duly linked with Adhaar Card and acknowledgement of up-to-date IT return.
  - e) Certificate of GST Registration.
  - f) Receipt of deposition of original EMD in prescribed format as per NIT.
  - g) Signed copy of integrity pact & Integrity agreement at Srl No 11 to 19 of this NIT.
  - h) Self-Declaration by the agency that they are not blacklisted / debarred / or have not abandoned any work of any Government Authority / Department on Non-Judicial Stamp Paper of Rs. 100.00 duly notarized.
  - i) An Affidavit of as per CPWD-6.
  - j) Valid work Experience Certificate & Credential
  - k) Any other documents intend to submit by the contractor/firm.
  - l) Valid Mobile Number, E- mail address & correspondence address to be uploaded on letter head of the bidder with seal and sign.
- a) **\*\* EMD Receipt will be issued after proper verification of credential/relevant documents.**
- b) **\*\* Govt. will not entertain any claim what so ever in R/O the same.**

Dy Commandant (Works)  
Frontier HQ BSF Salbagan  
(Agartala)Tripura – 799012

CORRECTION (C)	NIL
INSERTION (I)	NIL
DELETION (D)	NIL



**INTEGRITY PACT**

To

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Subject: - NIT No. . **IGA/ Engg/E-NIT (Civil)/24-25/01** for the work **“Renovation and Up-gradation of 01 No MI Room at BSF Campus Salbagan under FTR HQ BSF Tripura.”**

Dear Sir,

It is hereby declared that Border Security Force is committed to follow the principle of transparency, equity and competitiveness in public procurement.

The subject notice inviting tender (NIT) is an invitation to offer made on the condition that the bidder will sign the integrity Agreement, which is an integral part of tender/ bid documents, failing which the tenderer/ bidder will stand disqualified and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the Border Security Force.

Yours faithfully,

Dy. Commandant (Works),  
Frontier HQ BSF Salbagan  
(Agartala)Tripura – 799012

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>



To

Dy. Commandant (Works),  
Frontier HQ BSF Salbagan  
(Agartala) Tripura - 799012

Sub :- **Submission of tender for the work of "Renovation and Up-gradation of 01 No MI Room at BSF Campus Salbagan under FTR HQ BSF Tripura."**

Dear Sir,

I / We acknowledge that Border Security Force is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document.

I/ We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I / We will sign the enclosed integrity agreement, which is an integral part of tender documents, failing which I / We will stand disqualified from the tendering process. I / We acknowledge that the making of the bid shall be regarded as an unconditional and absolute acceptance of this condition of the NIT.

I / We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/ bid is finally accepted by Border Security Force. I/ We acknowledge and accept the duration of Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

I/ We acknowledge that in the event of my/ our failure to sign and accept the Integrity Agreement, while submitting the tender/ bid, Border Security Force shall have unqualified, absolute and unfettered right to disqualify the tender/ bidder and reject the tender/ bid in accordance with terms and conditions of the tender/ bid.

Yours faithfully,

Signatures of Contractor  
with seal and address

(to be signed by the bidder and same signatory competent / authorized to sign relevant contract on behalf of B.S.F.)

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<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

Insp (Elect)  
FTR HQ BSF Tripura

AC (Elect)  
FTR HQ BSF Tripura



**INTEGRITY AGREEMENT**

This Integrity Agreement is made at Salbagan (Agartala) on this \_\_\_\_\_ of 2024

**BETWEEN**

President of India represented through Dy. Commandant (Works), Frontier HQ BSF Salbagan (Agartala) Tripura– 799012 {hereinafter referred as the Principal/ Owner (on behalf of Inspector General, BSF Tripura Frontier HQ BSF, Salbagan (Agartala))}, which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns }

**AND**

through \_\_\_\_\_ (hereinafter referred to as the bidder/ contractor and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

**Preamble**

Whereas the Principal/ Owner has floated the tender (NIT No. **IGA/ Engg/E-NIT (Civil)/24-25/01** (hereinafter referred as 'Tender/ Bid') and intends to award under laid down organizational procedure, contract **“Renovation and Up-gradation of 01 No MI Room at BSF Campus Salbagan under FTR HQ BSF Tripura.”**

Here in after referred to as “Contract “And whereas the Principal/ Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/ transparency in its relation with the Bidder(s) and Contractors(s).

And whereas to meet the purpose aforesaid both the parties have agreed to enter into this integrity Agreement (hereinafter referred to as “Integrity Pact” or “Pact”), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and contract between the parties.

Now, thereof, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

**Article 1 : Commitment of the Principal/Owner**

- 1) The Principal/ Owner commit itself to take all measures necessary to prevent corruption and to observe the following principals:
  - a) No employee of the Principal / Owner, personally or through any of his / her family members, will in connection with the Tender, or the execution of the Contract, demand, take

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

- a promise for or accept, for self or third person, any material or immediate benefit which the person is not legally entitled to.
- b) The Principal / Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/ Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
  - c) The Principal / Owner shall endeavor to exclude from the Tender process any person, whose conduct in the past has been biased nature.
2. If the Principal/ Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal Code (IPC)/ Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/ Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

**Article 2 : Commitment of the Bidder(s) / Contractor(s)**

- 1) It is required that each Bidder / Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government/ Department all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tender process and throughout the negotiation or award of a contract.
- 2) The Bidder(s) / Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during the participation in the Tender process during the Contract execution:
  - a) The Bidder(s) / Contractor(s) will not directly or through any other person or firm, offer, promise or give to any of the Principal/ Owner’s employees involved in the tender process or execution of the Contract or to any third person any material or other benefit which he/ she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
  - b) The Bidder(s) / Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelise in the bidding process.
  - c) The Bidder(s) / Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/ Contractor(s) will not use improperly, ( for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal / Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

- d) The Bidder(s) / Contractor(s) of foreign origin shall disclose the names and addresses of agents/ representatives in India, if any. Similarly, Bidder(s)/ Contractors(s) of Indian nationality shall disclose names and addresses of foreign agents/ representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in the tender but not both. Further, in cases where an agent participates in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent / parallel tender for the same item.
- e) The Bidder(s) / Contractor(s) will, when presenting his bid, disclose (with each tender) any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.
- 3) The Bidder(s) / Contractor(s) will not instigate third persons to commit offences outlined above or by an accessory of such offences.
- 4) The Bidder(s) / Contractor(s) will not directly or through any other person or firm indulge in fraudulent practice means a wilful misrepresentation or omission of facts or submission of fake/ forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and / or to influence the procurement process to detriment of the Government interests.
- 5) The Bidder(s) / Contractor(s) will not, directly or through any person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his / her reputation or property to influence their participation in the tendering process).

**Article 3 : Consequences of Breach**

Without prejudice to any rights that may be available to the Principal / Owner under law or the Contract or its established policies and laid down procedures, the Principal / Owner shall have the following rights in the case of breach of this Integrity Pact by the Bidder(s) / Contractor(s) and the Bidder / Contractor accepts and undertakes to respect and uphold the Principal / Owner’s absolute right:

- 1) If the Bidder(s) / Contractor(s) either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any form, such as to put his reliability or credibility in question, the Principal / Owner after giving 14 days’ notice to the contractor shall have the powers to disqualify the Bidder(s) / Contractor(s) from the tender process or terminate / determine the Contract, if already executed or exclude the Bidder / Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal / Owner. Such exclusion may be forever or for a limited period as decided by the Principal / Owner.
- 2) **Forfeiture of EMD / Performance Guarantee / Security Deposit:**  
If the Principal / Owner has disqualified the Bidder(s) from the tender process prior to the award of the Contract or terminated / determined the Contract or has accrued the right to terminate /

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

determine the Contract according to Article 3(1), the Principal / Owner apart from exercising any legal rights that may have accrued to the Principal / Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder / Contractor.

- 3) **Criminal Liability:** If the Principal / Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of Indian Penal Code (IPC)/ Prevention of Corruption Act, or if the Principal / Owner has substantive suspicion in this regard, the Principal / Owner will inform the same to law enforcing agencies for further investigation.

**Article 4 : Previous Transgression**

- 1) The bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or state Government or any other Central / State Public Sector Enterprises in India that could justify his exclusion from the Tender process.
- 2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken from banning of business dealings / holding listing of the Bidder / Contractor as deemed fit by the Principal / Owner.
- 3) If the Bidder / Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal / Owner may, at his own discretion, revoke the exclusion prematurely.

**Article 5 : Equal Treatment of all Bidders/ Contractors/ Sub contractors**

- 1) The Bidder(s) / Contractors(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder / Contractor shall be responsible for any violation(s) of the principles laid down in this agreement / Pact by any of its Sub-contractors / Sub- vendors.
- 2) The Principal / Owner will enter into Pacts or identical terms as this one with all Bidders and Contractors.
- 3) The Principal / Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal / Owner and the bidder, along with the Tender or violate its provisions at any stage of the tender process, from the Tender process.

**Article 6 : Duration of the Pact**

This pact begins when both the parties have legally signed it. It expires for the Contractor / Vendor 12 months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the contract has been awarded.

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

If any claim is made / lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged / determined by the Competent Authority, BSF.

**Article 7 : Other Provisions**

- 1) This Pact is subject to Indian Law, place of performance and jurisdiction is Agartala (Tripura).
- 2) Changes and supplements need to be made in writing. Side agreements have not been made.
- 3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one holding power of attorney signed by all partners and the consortium members. In case of a company, the Pact must be signed by a representative duly authorized by board resolution.
- 4) Should one or several provisions of this Pact turn out to be invalid; the reminder of the Pact remains Valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by Owner/ Principal in accordance with this Integrity Agreement / Pact or interpretation there of shall not be subject to arbitration.

**Article 8 : Legal and Prior Rights**

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/ or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the parties agree that this Integrity Pact will have precedence over the Tender / Contract documents with regard any of the provisions covered under this Integrity Pact.

**IN WITNESS WHEREOF** the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

(For and on behalf of Principal / Owner)

(For and on behalf of Bidder/ Contractor)

WITNESSES:

1. ....  
(Signature, name and address)
2. ....  
(Signature, name and address)
3. Place:
4. Date:

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**PERCENTAGE RATE TENDER FORM (CPWD-7)**



**GOVERNMENT OF INDIA**

**FRONTIER HEAD QUARTER BORDER SECURITY FORCE - SALBAGAN (AGARTALA)**  
**PERCENTAGE RATE E-TENDER & CONTRACT FOR WORKS**

Tender for the work of “**Renovation and Up-gradation of 01 No MI Room at BSF Campus Salbagan under FTR HQ BSF Tripura**”

- a) E-Tenders bid to be submitted through CPP portal upto **1100 hrs on 10.06.2024**
- ii) E-tenders to be opened at **1100 hrs on 11.06.2024** in the office of Dy Commandant (Works), Frontier Headquarter BSF Salbagan (Agartala) – 799012 (Tripura) by the Board of officers to be detailed by Competent Authority.

**TENDER**

I / We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F, specifications applicable, drawings & designs, General rules and directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender documents for the work.

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

I/We agree to keep the tender open for **(Seventy-Five Days) 75 days** from the date of opening of financial bid and not to make any modification in its terms and conditions.

I/We have deposited EMD for the prescribed amount in the office of concerned Executive Engineer as per the bid document.

A copy of earnest money deposit receipt of prescribed amount deposited in the form of Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (as prescribed) issued by a Commercial Bank, is scanned and uploaded (strike out as the case may be). If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the President of India

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely.

If after the opening of bid. I/we withdraw or modify/my our bid during the period of validity or tender (including extended validity of tender) specified in the tender documents or If I / We fail to furnish the prescribed performance guarantee within prescribed period, I / We agree that President of India or his successors in office shall suspend me from bidding, and ineligible to bid for BSF Tenders all over India for a period of One year from the date of issue of the order stating so and issued under the authority of Executive Engineer of this Work.

Further, if I/ We fail to commence work as specified, I / We agree that President of India or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said performance guarantee shall be guarantee to execute all the works referred to those in excess of that limit at the rates to be determined in accordance with the provisions contained in Clause 12.2 and 12.3 of the tender form. Further I/ We agree that in case of forfeiture of earnest money or performance guarantee as aforesaid, I / We shall be debarred for participation in the retendering process of the work.

I/ We undertake and confirm that eligible similar work(s) has / have not been executed through another contractor on back-to-back basis. Further that, if such a violation comes to the notice of the Department, then I / We shall be debarred for tendering in BSF in future forever. Also, if such a violation comes to the notice of Department before date of start of work, The Engineer-in-charge shall be free to forfeit the entire amount of performance guarantee.

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

Dated : \_\_\_\_\_

\_\_\_\_\_  
Signatures of Contractor with postal address

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>



**ACCEPTENCE**

The above tender (as modified vide letters mentioned hereunder) is accepted by me for and on behalf of the President of India for a sum of Rs. \_\_\_\_\_/-

( Rupees \_\_\_\_\_ ) only.

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

i)

ii)

iii)

iv)

For and on behalf of the President of India

Dated : \_\_\_\_\_.

Dy. Commandant (Works),  
Frontier HQ BSF Salbagan  
(Agartala) Tripura – 799012

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>



**SCHEDULES**

**SCHEDULE 'A'**

Schedule of quantities (Enclosed) As per schedule of work attached. (For civil component at Page No 62 to 71 and for electrical component page no 80-83)

**SCHEDULE 'B'**

Schedule of materials to be issued to the contractor.

S.No.	Description of item	Quantity	Rates in figures & words at which the material will be	Place of issue
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**NIL**

**SCHEDULE 'C'**

Tools and plants to be hired to the contractor

S.No.	Description	Hire charges per day	Place of Issue
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**NIL**

**SCHEDULE 'D'** : As per additional conditions & specification attached  
Extra schedule for specific requirements/document for the work, if any

**SCHEDULE 'E'** : **General conditions of contract for CPWD works - 2023 maintenance work** with amendment issued up to date of call of tender  
Reference to General Conditions of contract

Name of Work : Renovation and Up-gradation of 01 No MI Room at BSF Campus Salbagan under FTR HQ BSF Tripura. (composite work)

(i) Estimated cost of work	:	Civil Items of Work	-	Rs.47,04,727/-
		Electrical item of work	-	Rs.3,89,956/-
		Total Rs. <b>50,94,683/-</b>		
(ii) EMD	:	₹ <b>1,01,900/-</b> (to be returned after receiving performance guarantee)		
(iii) Performance Guarantee	:	5% of tendered value of the work		
(iv) Security Deposit	:	2.5% on Each Bill till Tender Amount		

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**SCHEDULE 'F'**

**General Rules & Directions**

Officer inviting tender	:	Dy. Commandant (Works), Frontier Headquarter BSF, Salbagan (Agartala), Tripura
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2, 12.3	:	See below

**Definitions:**

2(v) <b>Engineer-in-Charge</b>	:	
Engineer-in-Charge (For civil items work)	:	Dy. Commandant (Works), Frontier Headquarter BSF, Salbagan (Agartala), Tripura
Engineer-in-Charge (For Electrical items work)	:	Dy. Commandant (Elect), Frontier Headquarter BSF, Salbagan (Agartala), Tripura
2(viii) Accepting Authority	:	Dy Commandant (Works), Frontier Headquarter BSF, Salbagan (Agartala), Tripura
2(x) Percentage on cost of materials and labour to cover all overheads and profits	:	15%
<b>2(xi) Standard Schedule of Rates</b>		
Civil Items of Work:	:	D.S.R. 2021 with correction slips up to last date of submission of tender including extension, if any + cost index
Electrical Items of Work:	:	DSR (Electrical) 2022 with correction slips upto last date of submission of tender including extension, if any + M R
2(xii) Department	:	Border Security Force
9(ii) Standard CPWD Contract Form	:	CPWD Form 7 of <b>General Conditions of contract for CPWD-2023 for Maintenance works</b> (with amendments up to last date receipt of tender including extension, if any)
<b>Clause 1</b>	:	
(i) Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board or proof of applying	:	<b>15 days</b>

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

thereof from the date of issue of letter of acceptance  (ii) Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period as provided in (i) above		<b>07 Days</b>	
<b>Clause 2</b> Authority for fixing compensation under clause 2	:	Commandant (Works) FHQ BSF New Delhi	
<b>Clause 2A</b> Whether Clause 2A shall be applicable	:	No	
<b>Clause 5</b> Number of days from the date of issue of letter of acceptance for reckoning date of start	:	<b>15 days</b>	
<b>Milestone(s) :-</b>			
<b>S.No.</b>	<b>Description of Milestone (Physical Progress)</b>	<b>Time allowed (From date of start)</b>	<b>Amount to be with-held in case of non- achievement of milestone</b>
1.	1/8 <sup>th</sup> (of whole work)	1/4 <sup>th</sup> (of whole work)	In the event of not achieving the necessary progress as assessed from the running payments, 1% of the tendered value of work will be withheld for failure of each milestone
2.	3/8 <sup>th</sup> (of whole work)	1/2 <sup>th</sup> (of whole work)	
3.	3/4 <sup>th</sup> (of whole work)	3/4 <sup>th</sup> (of whole work)	
4.	Full	Full	
Time allowed for execution of work	:	<b>180 Days</b>	
Authority to decide	:		
(i) Extension of time	:	Dy. Commandant (Works), Frontier Headquarter BSF, Salbagan (Agartala), Tripura	
(ii) Rescheduling of mile stones	:	Dy. Commandant (Works), Frontier Headquarter BSF, Salbagan (Agartala), Tripura	
(iii) Shifting of date of start in case of delay in handing over of site	:	Dy. Commandant (Works), Frontier Headquarter BSF, Salbagan (Agartala), Tripura	
<b>Clause 6</b>	:	Computerized Measurement Book	
<b>Clause 7</b>			

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**BORDER SECURITY FORCE, FRONTIER HQR TRIPURA**

Gross work to be done together with net payment / Adjustment of advances for material collected, if any since the last such payment for being eligible to interim Payment	:	<b>Rs. 15,28,405/-</b>
<b>Clause 7A</b>	:	Yes
<b>Clause 10A</b>	:	
List of testing equipment to be provided by the contractor at site lab	:	Not Applicable
<b>Clause 10B (ii)</b>	:	
Whether Clause 10 B (ii) shall be applicable	:	No
<b>Clause 10 C</b>	:	
Component of labour expressed as percent of value of work	:	25 %
<b>Clause 10CA</b>		
Material covered under this clause	Nearest Materials (other than cement, reinforcement bars and the structural steel) for which All India Wholesale Price Index to be followed	Base Price of all Materials covered under clause 10 CA*
<b>Clause 10CC</b>		
Clause 10 CC to be applicable in contracts with stipulated Period of completion exceeding the period shown in next column	:	Not applicable
<b>Clause 11</b>		
Specifications to be followed (For civil items of work)	:	CPWD Specifications 2019 Vol. 1 and Vol. 2 (Hereinafter called CPWD specifications also) with correction slips up to last date of submission of tender including extension, if any
<b>Clause 12</b>	:	<b>Type of work – Maintenance works</b>
<u>12.2. &amp; 12.3</u> Deviation Limit beyond which Clauses shall apply for building work	:	25%
<u>12.5</u> Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work	:	100%
<b>Clause 16</b>		
Competent Authority for deciding reduced rates	:	Commandant (Works), FHQ BSF New Delhi
<p>Clause 18</p> <p>List of mandatory machinery, tools &amp; plants to be deployed by the contractor at site:-</p> <p><b>1. Cement Concrete Mixture Machine (Mechanical)      2. Cement measuring box</b></p>		

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

<b>3. Sand/Aggregate measuring box</b>	<b>4. Vibrator</b>
<b>5. Rubber pipe/Electric Motor/Water Supply System for curing purpose.</b>	
<b>6. Sand Screening system</b>	<b>7. Steel/Wooden Hand Rammer</b>

**Clause 25**

**Constitution of Dispute Redressal Committee (DRC)**

DRC shall constitute one Chairman and two Members

**Competent Authority to appoint DRC**

Chief Engineer or Inspector General BSF if there is no Chief Engineer

**Clause 31**

: water charges will be recovered from each running and final bill, if provided by department.

**Clause 36 (i)**

Requirement of Technical Representative(s) and recovery Rate

S N	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical Representative)	Minimum Experience	Number	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	Principal Technical Representative	2-years	One	Rs 15,000/- PM	Rupees Fifteen thousand
		Civil	Principal Technical Representative	5 years	One	Rs 15,000/- PM	per month each -do-

**Asstt. Engineer retire from Govt services that are holding Diploma will be treated at par with Graduate Engineer**

**Clause 42(i)a)** Schedule/statement for determining theoretical quantity of cement & bitumen on **The basis of Delhi Schedule of Rate 2021 printed by C.P.W.D.: With correction slips**

(ii) Variations permissible on theoretical quantities

(a) Cement

For works with estimated cost put To tender not more than Rs.5 lakh. 2% plus/minus.

For works with estimated cost put to Tender more than Rs.5 lakh. 2% plus /minus.

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

Bitumen All Works minus	2.5% plus only & nil on side.
(b) Steel Reinforcement and structural steel Sections for each diameter, section and category	2% plus/minus
All other materials.	Nil

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**GENERAL CONDITIONS**

**1.0 Scope of work**

**The quoted rates of the contractor include all the following activities, except otherwise specified**

- (i) The scope of work also includes Preliminary works like setting and maintenance of permanent bench marks reference points, central line of the carriageway etc. It shall also include making adjustment in the layout if required as per site conditions and as directed by the Engineer-in-Charge. The layout shall be got approved from the Engineer-in-charge before starting actual work. Existing levels of the area under the scope of work shall also be recorded.
- (ii) Clearing of site for construction of the work and all activities connected therewith before commencement of work to the satisfaction of the Engineer-in-Charge.
- (iii) Maintenance of all works during construction till handing over to the Department.
- (iv) Protection and maintenance of existing services.
- (v) Provision for all safety measures for traffic, pedestrian workmen, machinery etc. as considered necessary *by* the Engineer-in-charge.
- (vi) Identification of services like sewer lines, water supply lines, electric and telephone cables etc. well in advance of actual execution.
- (vii) It may be noted that all the safety requirements as may be felt necessary by the Engineer- in-Charge, shall have to be provided for allowing the traffic to pass underneath the superstructure at all times during the construction period.
- (viii) In case of defective construction by the contractor or on account of any other reason attributable to the contractor if the consultants appointed by the department, submit additional claims for re-designing on account of additional input by them, due to such reasons, the same shall also be borne by the contractor. The opinion of the Engineer-in-charge in these matters shall be final and binding.
- (ix) All ancillary and incidental facilities required for execution of the work i.e. labour camps, stores, offices for contractors, work shop facilities, watch and ward, temporary structure for plants and machinery, well equipped, site laboratory as mentioned in the tender document, water storage structure, tube wells, electric /telephone installation and charges, liaison work, protection work during execution and not included in the main Items, any other Item /activity contained elsewhere in the tender documents which is necessary for execution of work in the opinion of the Engineer-in-Charge.
- (x) Pumping and bailing out water in suitable manner as directed by Engineer-in-Charge.
- (xi) It is also made clear that intending tenderer should visit the sites of work including contractor's compound and physically assess the activities which are involved for completing the work, including the quantum of work besides the information supplied in the tender document. No claim whatsoever shall be entertained on this account.
- (xii) The construction agencies shall make arrangement for a regular fortnightly or other frequency as desired by Engineer-in-Charge for the documentation of the progress of work.

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

- (xiii) Activities related to setting of various Items such as permanent bench-marks, reference points, central line of carriageway, layout of foundations and bearings etc. shall be performed by total station survey.
- (xiv) The contractor shall provide barricading along the length of road if required and suitable light shall be provided with barricading, if required. Contractor shall not be paid anything extra for the barricading. In case the Agency fail to provide barricading as per direction of Engineer in charge. The same shall be provided by the department at his risk and cost.
- (xv) Services like water supply lines, sewer lines, storm water drains, electricity lines, telephone lines over head and underground cables /structure, if any falling in the alignment of the work, (which are required to be removed or shifted in the opinion of the Engineer-in-Charge) shall be removed /shifted by the department if found necessary by the Engineer-in-charge. Time taken for its shifting, removal, diversion shall be accounted for towards according extension of times if it actually causes hindrance in execution as per the discretion of the Engineer-in-Charge. No claim for delay or otherwise due to above reasons shall be entertained on this account.
- (xvi) The officer inviting tender or his duly authorized assistant, will open tenders in the presence of any intending contractors who may be present at the time.
- (xvii). The officer inviting tenders shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest or any other tender.
- (Xviii) The receipt of an accountant or clerk for any money paid by the contractor will not be considered as any acknowledgment or payment to the officer inviting tender and the contractor shall be responsible for seeing that he procures a receipt signed by the officer inviting tender or a duly authorized Cashier.
- (xix) On acceptance of the tender, the name of the accredited representative(s) of the contractor who would be responsible for taking instructions from the Engineer-in-Charge shall be communicated in writing to the Engineer-in Charge.
- (XX). GST or any other tax applicable in respect of inputs procured by the contractor for this contract shall be payable by the Contractor and Government will not entertain any claim whatsoever in respect of the same. However, component of GST at time of supply of service (as provided in CGST Act 2017) provided by the contract shall be varied if different from that applicable on the last date of receipt of tender including extension if any.
- (xxi). The contractor shall give a list of both gazetted and non-gazetted BSF employees related to him.
- (xxii). The tender for building work includes, in addition to building work, all other works such as sanitary and water supply installations drainage installation, electrical work, horticulture work, roads and paths etc.
- (xxiii). No labour below the age of 18 years shall be employed on the work

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**2.0 Samples of Material:-**

Sample of materials and other articles required for execution of work shall be got approved from the Engineer-in-Charge before use in the work. The quantity of samples brought by the contractor shall be judged by standards laid down in the relevant BIS specifications.

- 2.1 All materials and fittings brought by the contractor to the site for use shall conform to the samples approved by the Engineer-in-charge which shall be preserved till the completion of the work. If a particular brand of material is specified in the Item of work in Schedule of Quantity, the same shall be used after getting the same approved from Engineer-In-Charge. Wherever brand / quality of materials is not specified in the Item of work, the contractor shall submit the samples as per suggestive list of brand names given in the tender document / particular specifications for approval of Engineer-in-Charge. For all other Items, materials and fittings carrying BIS Mark shall be used with the approval of Engineer-in-Charge. Wherever BIS Marked material / fittings are not available, the contractor shall submit samples of materials / fitting manufactured by firms of repute conforming to relevant specifications or IS codes and use the same only after getting the approval of Engineer-In-Charge. To avoid delay, contractor should submit samples as stated above well in advance so as to give timely orders for procurement. If any material, even though approved by Engineer-In-Charge is found defective or not conforming to specifications shall be replaced / removed by the contractor at his own risk & cost.
- 2.2 The contractor shall ensure quality construction in a planned and time bound manner. Any sub-standard material / work beyond set-out tolerance limit shall be summarily rejected by the Engineer-In-Charge & contractor shall be bound to replace / remove such sub-standard / defective work immediately.
- 2.3 BIS marked materials except otherwise specified shall be subjected to quality test besides testing of other materials as per the specifications described for the Item / material. Wherever BIS marked materials are brought to the site of work, the contractor shall furnish manufacturer's test certificate or test certificate from approved testing laboratory to establish that the material produced by the contractor for incorporation in the work satisfies the provisions of BIS codes relevant to the material and / or the work done.
- 2.4 BIS marked Items (except cement & steel) required on the work shall be got tested. Only important tests, which govern the quality of the product, shall be carried out. The frequency of such tests shall be 25% of the frequency specified in **the CPWD Specifications 2019 Vol I to II with up to date correction slips.**

For certain Items, if frequency of tests is not mentioned in the CPWD Specifications then relevant IS code shall be followed and tests shall be carried out @25% of the frequency specified therein.

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**3.0 Samples for Testing:-**

3.1 The contractor shall provide samples of material required for testing free of charge. The cost of tests shall be borne by the contractor / department in the manner indicate below:-

- a) By the contractor, if the results show that the material does not conform to relevant specifications.
- b) By the department, if the result shows that the material conforms to relevant specifications. All other expenditure required to be incurred for taking samples; conveyance, packing etc. shall be borne by the contractor himself.

3.2 However, if any load testing or special testing is to be done for concrete whose strength is doubtful, the cost of the same shall be borne by the contractor.

1.3 All necessary tests as per the NIT/CPWD specifications / relevant BIS codes shall be carried out on all the materials whether ISI marked or otherwise. Wherever NIT/CPWD specifications / relevant BIS codes do not specify the frequency of tests, the same shall be carried out as per the directions of the Engineer-in-Charge. Nothing extra whatsoever shall be payable on this account.

1.4 Testing at Manufacturer’s place – All materials which are specified to be tested at the manufacturer’s works shall satisfactorily pass the tests in presence of the authorized representative of Engineer-in-Charge before being used in the work. In case all requisite testing facilities are not available at the manufacturer’s premises, such testing shall be conducted at laboratory approved by the Engineer-in-Charge. The charges for such testing shall be borne by the contractor.

3.3 The contractor has to establish field laboratory at site including all necessary equipment (conforming to BIS) as per Annexure attached and skilled manpower for field tests at his own cost Contractor has to establish compression testing machine of suitable capacity at site and 90% of the cube test will be carried out in lab at site and 10% of the cube test will be carried out in the lab as per clause below.

3.4 Testing of the building material will be done as per the following priority.

- a) CPWD Testing Lab.
- b) **NIT Tripura**
- c) Any Govt. / State undertaking Lab.
- d) Other approved laboratory by CPWD.

**4 Quality Assurance:-**

4.1 The contractor shall ensure quality control measures on different aspects of construction including materials, workmanship and correct construction methodologies to be adopted. He shall have to submit brief quality assurance program within two weeks of the award of the work. The quality assurance program should include the name of the Engineers and make of materials proposes to be used in the work.

4.2 The contractor shall get the source of various raw materials namely aggregate, cement, sand, steel, water etc. to be used on the work, approved from the Engineer-in-Charge and trial mixes for controlled concrete shall be done using the approved materials. The contractor shall stick to the approved source

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

unless it is absolutely unavoidable. Any change shall be done with the prior approval of the Engineer-in-Charge for which tests etc. shall be done by the contractor at his own cost.

- 4.3 Lists of approved makes and brands of materials for work are annexed hereto. Makes and brands of Materials specified therein shall only be used on the work. The contractor shall submit brand / make of various materials to be used for the approval of the Engineer-in-Charge along with sample.
- 4.4 The contractor shall submit shop drawings of staging and shuttering arrangement for approval of Engineer-in-Charge. The contractor shall also submit bar bending schedule for approval of Engineer-in-Charge before execution.
- 4.5 All material shall be brought at site as per program finalized with the Engineer-in-Charge. Any pre-delivery of the material, not required for immediate consumption shall not be accepted and thus not paid for.
- 4.6 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 the **MORTH specification 2001** and **“CPWD Specifications 2019 Vol I to II** with up to date correction slips (Hereinafter to be referred to as CPWD Specifications) and instructions of Engineer-in-Charge. Wherever CPWD Specifications are silent, the latest IS Codes / Specifications shall be followed.
- 4.7 A reference made to any Indian Standard Specifications in these documents, shall imply to the latest version of that standard, including such revisions / amendments as issued by the Bureau of Indian Standard, upto last date of receipt of tenders. **The contractor shall keep at his own cost all such publications of relevant Indian Standard applicable to the work at time.**
- 4.8 Sample including brand / quality of materials and fittings to be used in the work shall be got approved from the Engineer-in-Charge, well in advance of actual execution and shall be preserved till the completion of the work.
- 4.9 Unless otherwise specified in the schedule of quantities, the rates tendered by the contractor shall be all inclusive and shall apply to all lifts & all heights, floors including terrace, leads and depths and **nothing extra shall be payable on this account.**
- 4.10 The rates for all Items of work shall, unless clearly specified otherwise, include cost of all labour, material, tools and plants and other inputs involved in the execution of the Item and **nothing extra shall be payable on this account.**
- 1. The contractor(s) shall quote all inclusive rates against the Items in the schedule of quantities and **nothing extra shall be payable for any of the conditions and specifications** mentioned in the tender documents unless specifically specified otherwise.
- 2. Unless otherwise specified in the schedule of quantities, the rates for all Items, shall be considered as inclusive of pumping / bailing out water, wherever necessary for which **no extra payment shall be made.**
- 3. The rate for all Items, in which the use of cement is involved, is inclusive of charges for curing.
- 4. The foundation trenches shall be kept free from water while works below ground level are in progress.

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

5. The work shall be executed and measured as per metric dimensions given in the schedule of quantities, drawings etc. (FPS units wherever indicated are for guidelines only).
6. Any legal or financial implications resulting out of disposal of earth shall be sole responsibility of the contractor. **Nothing extra shall be paid on this account.**
7. All the hidden Items such as water supply lines, drainage pipes, conduits, sewers etc. are to be properly tested as per the design conditions before covering.
8. The contractor shall indemnify the Govt. against any claims or obligations arising out of any damage to adjacent property, structure or to building work done by him.

**Licenses**

- 8.1 The contractor shall pay to the municipal, police or other authorities all the fees etc. if required for execution of work, obtain requisite licenses for temporary constructions, enclosures, and pay all fees, taxes and charges which shall be livable on account of their observations in executions of the contract. No extra claim will be entertained on this account. However, department shall provide necessary assistance by way of forwarding the applications of the contractor.
- 8.2 All license fees, royalty charges shall be paid by the contractor direct to the authorities concerned. **No extra claim will be entertained on this account.**
9. In case services are encountered during excavation / earth work and such services are required to be shifted, the contractor is bound to carry out the shifting operation as per guidance / instructions and with the approval of the Engineer-in-Charge. However, necessary payments shall be made in this regard as per provision of the agreement.
10. Many other agencies would be executing work simultaneously at site. The contractor shall maintain proper co-ordination with other agencies in maintaining progress of work. In case of any dispute, the decision of the Engineer-in-Charge shall be final and binding.
11. The contractor shall have to make his own arrangement for housing facility for staff and labour away from construction site and shall have to transport the labour to and fro between construction site and labour camp at site own cost. No labour huts will be allowed to be constructed at the project site except a few temporary sheds for Chowkidars and Storekeeper. The decision about how many huts can be allowed for Chowkidars and Storekeeper at project site shall rest with the Engineer-in-Charge and the contractor shall have no claim on this account.
- 13. GST or any other tax applicable in respect of inputs procured by the contractor for this contract shall be payable by the Contractor and Government will not entertain any claim whatsoever in respect of the same. However, component of GST at time of supply of service (as provided in CGST Act 2017) provided by the contract shall be varied if different from that applicable on the last date of receipt of tender including extension if any.**
- 14. Maintenance of Register of Tests**
  - (i) All the registers of tests carried out at construction site or in outside laboratories shall be maintained by the contractor which shall be issued to the contractor by Engineer-in-Charge in the same manner as being issued to BSF field staff.
  - (ii) All samples of materials including cement concrete cubes shall be taken jointly with contractor by JE and out of this at least 50% samples shall be taken in presence of AE in charge. If there is no JE, all samples of materials including cement concrete cubes shall be taken by AE jointly with contractor. All

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

the necessary assistance shall be provided by the contractor. Cost of samples materials is to be borne by the contractor and he shall be responsible for safe custody of samples to be tested at site.

- (iii) All the tests if field lab setup at construction site shall be carried out by the Engineering staff deployed by the contractor which shall be 100% witnessed by JE and 50% of tests shall be witnessed by AE –in-Charge. At least 10% of the tests are to be witnessed by the Assistant Engineer.
- (iv) All the entries in the registers will be made by the designated Engineering Staff of the contractor and same should be regularly reviewed by JE/AE/EE.
- (v) Contractor shall be responsible for safe custody of all the test registers.
- (vi). Submission of copy of all test registers, Material at site register and hindrance register along with each alternate Running Account Bill and Final Bill shall be mandatory. These registers should be duly checked in division office and receipts of registers should also be acknowledged by Accounts Officer by signing the copies and register to confirm receipt in Division office.

If all the test registers and hindrance register is not submitted along with each alternate R/A Bill & Final Bill than no payment shall be released to the contractor.

**15. Maintenance of Material at Site (MAS) Register-**

- (i) All the MAS Registers including cement and Steel Registers shall be maintained by Contractor which shall be issued to the contractor by Engineer-in-Charge in the same manner as being issued to BSF field staff.
- (ii) Each of the entry of receipt of material at site shall be 100% test checked by JE or by AE if there is no JE.
- (iii) Each MAS register shall be checked by JE at least twice a week and at least once a week by AE. If there is no JE then MAS registers will be checked by AE at least twice a week
- (iv) Cement Register shall be reviewed by AE at least once in a month.

**16. Programme Chart:-**

The Contractor shall prepare a programme chart for the execution of work, showing clearly all activities from the start of work to completion within the stipulated period and submit the same for approval of the Engineer-In-Charge within two weeks of the award of the contract.

- 17. Normally contractors shall not be allowed to work at night. Work at night shall, however, be allowed if the site conditions / circumstances so demand. However, if the work is carried out in more than one shift or at night, no claim on this account shall be entertained**

The contractor shall be bound to follow the instruction and restrictions imposed by the Administration/Police authorities on the working and/or movement of labour, materials etc. and nothing extra shall be payable on this account or due to less/restricted working hours or suspension of work or any detours in movement of vehicles due to stated instructions and restrictions.

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

- 18. The contractor shall also be required to follow the rules & restrictions imposed on working /movement/stacking of materials by the local competent authority at all times. Nothing extra shall be payable on this account.
- 19. The contractor should remove from site, the net surplus earth only. If he disposes earth more than the surplus quantity and earth is required later to be brought from outside, the contractor shall be liable to supply at site the such required quantity of earth of required quality at his own cost and nothing shall be paid on the account. The quantity of the surplus earth to be disposed off from the site shall be worked out on the basis of levels to be taken before and after the excavation. The decision of the Engineer-in-charge regarding the quantity of net surplus earth shall be final & binding. Nothing extra shall be payable to the contractor for stacking the excavated earth.

**20. SITE CONDITIONS**

Site conditions given hereunder and elsewhere are given as guidelines and contractor shall satisfy himself regarding all aspects of site conditions and no claim will be entertained on the plea that the information supplied by the department is erroneous or insufficient.

**21 Location**

As mentioned in the name of work.

**22 Traffic restrictions & Permissions**

Work has to be executed without disrupting the traffic and thus, limited space shall be available for execution of the work. The contractor will have to carefully plan his sequence of operations so that the traffic moves unhindered at all times. The traffic diversion plan evolved by the contractor for execution of the work at all locations will require approval of **state Traffic Police and of the department. Modifications suggested by the Traffic Police** and also by the department shall be implemented by the contractor during execution of the work

**23 Climatic conditions**

The climate in the region is extreme with three major seasons- winter, summer and rainy. The winter season lasts from October to March, summer season from April to June and rainy season from July to September. This is only for guidance and there may be variations.

**24 Housing, water supply, Drainage and Electricity**

No accommodation is available at the site of work. The contractor has to make his own arrangements for electric connection, housing, stores and field offices, accommodations for his labour and other employees etc. Contractor should visit the site and see in what manner he is able to arrange the above. Arrangement of water for drinking purpose in addition to the water required for construction work is also to be made by the contractor. No other space shall be made available at work site except for temporary site office/ contractor's compound. However onus will be on contractor to arrange the space on its own. No claim whatsoever will be entertained on this account.

- 25 It shall be deemed that the contractor has satisfied himself as to the nature and location of the work, general and local conditions and particularly those pertaining to transport, handling and storage of materials, availability of labour, weather conditions at site and general ground / sub soil conditions and the contractor has to estimate his cost accordingly.

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

- 26** The BSF will bear no responsibility for the lack of such knowledge and also the consequence thereof to the contractor. The information and site data shown in the drawings and mentioned herein and elsewhere in these tender documents are furnished for general information and guidance only. The Engineer-in-charge in no case shall be held responsible for the accuracy thereof or / and whatsoever, interpretations or conclusions drawn there from/ by the contractor and no claim shall be entertained whatsoever if the site conditions/ information is different or otherwise incorrect as it is presumed that the contractor has satisfied himself for all possible contingencies, situations, bottlenecks and acts of coordination which may be required between the different agencies
- 27** In case of flooding of site on account of rain or any other cause, or any other damage whatsoever, no claim financially or otherwise shall be entertained, notwithstanding any other provisions elsewhere in the tender documents.
- 28** The contractor shall remove the malba on regular basis to keep the site neat and clean during the execution of the work. In case the Agency fails to remove the malba, the same shall be removed by the department at his risk and cost.

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**SPECIAL CONDITIONS FOR CEMENT**

1. The contractor shall, at his own expense procure and provide all materials including cement and steel required for the work.
2. The contractor shall procure all the materials in advance so that there is sufficient time to testing and approving of the materials and clearance of the same before use in work.
3. All materials brought by the contractor for use in the work shall be got checked from the Engineer-In-Charge or his authorised representative of the work on receipt of the same at site before use.
4. The contractor shall also employ necessary watch and ward establishment for the safe custody of materials at his own cost. The contractor shall be fully responsible for the safe custody of materials brought by him/ issued to him even though the materials may be under double lock and key system.
5. Contractor has to produce manufacturers test certificate for each lot of cement & steel procured at site.
6. **CONDITIONS FOR CEMENT:-**
  - 6.1 The contractor shall procure 43 grade ordinary Portland Cement conforming to IS 8112/ Portland Pozzolana cement conforming to IS 1489 (Part-I), as required in the work, from reputed manufacturers of cement such as ACC, UltraTech, Vikram, Shree Cement, Ambuja, Jaypee Cement, Century Cement & J.K. Cement or from any other reputed cement Manufacturer having a production capacity not less than one million tones per annum as approved by ADG for that sub region. The tenderers may also submit a list of names of cement manufacturers which they propose to use in the work. The tender accepting authority reserves right to accept or reject name(s) of cement manufacturer(s) which the tenderer proposes to use in the work. No change in the tendered rates will be accepted if the tender accepting authority does not accept the list of cement manufacturers, given by the tenderer, fully or partially. The supply of cement shall be taken in 50 kg. bags bearing manufacturer’s name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer-in-charge and got tested in accordance with provisions of relevant BIS codes. In case the test results indicate that the cement arranged by the contractor does not conform to the relevant BIS codes, the same shall stand rejected, and it shall be removed from the site by the contractor at his own cost within a week’s time of written order from the Engineer-in-charge to do so.
  - 6.2 The cement shall be brought at site in bulk supply of approximately 50 tonnes or as decided by the Engineer- in- charge. The cement godown of the capacity to store a minimum of 2000 bags of cement shall be constructed by the contractor at site of work or which no extra payment shall be made.

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

- 6.3 Double lock provision shall be made to the door of the cement godown. The keys of one lock shall remain with the Engineer-in-Charge or his authorized representative and the keys of the other lock shall remain with the contractor. The contractor shall be responsible for the watch and ward and safety of the cement godown. The contractor shall facilitate the inspection of the cement godown by the Engineer-in-Charge at any time.
- 6.4 The cement shall be got tested by the Engineer-in-charge and shall be used on the work only after satisfactory test results have been received. The contractor shall supply free of charge the cement required for testing including its transportation cost to testing laboratories. The cost of tests shall be borne by the contractor/Department in the manner indicated below:
  - (a) By the contractor, if the results show that the cement does not conform to relevant BIS codes.
  - (b) By the Department, if the results show that the cement conforms to relevant BIS codes.
- 6.5 The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein. In case the cement consumption is less than theoretical consumption including permissible variation, recovery at the rate so prescribed shall be made. In case of excess consumption no adjustment need to made.
- 6.6 The cement brought to the site and the cement remaining unused after completion of the work shall not be removed from site without the written permission of the Engineer-in-charge.
- 6.7 The damaged cement shall be removed from the site immediately by the contractor on receipt of a notice in writing from the Engineer-in-charge. If he does not do so within 3 days of receipt of such notice, the Engineer-in-charge shall get it removed at the cost of the contractor.
- 6.8 The cement in bags shall be stacked by the contractor in two god owns one for fresh arrival to be tested for quality and another already tested in use having weather proof roof and walls and on a proper floor consisting of two layers of dry bricks laid on well consolidated earth at a level at least 30 cm above the ground level. These stacks shall be in rows of two bags deep and 10 bags high with a minimum of 60 cm. clear space all round . The bags should be placed horizontally continuous in each line as per sketch given in **CPWD Specification – 2019**. The sketch is only for guidance. Actual size / shape of godowns shall be as per site requirement. The decision of Engineer-in-Charge regarding the capacity needed will be final and nothing extra shall be paid on this account.
- 6.9 Cement register for the cement shall be maintained at site. The account of daily receipts and issue of cement shall be maintained in the register by the authorized representative of the Engineer-in-charge and signed daily by contractor or his authorized agent.
- 6.10 Cement, which is not used within 90 days from its date of manufacture, shall be tested at Govt. laboratory. Until the results of such tests are found satisfactory, it shall not be used in any work.

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**PROFORMA FOR THE CEMENT REGISTER**

PARTICULARS OF RECEIPT			PARTICULARS OF ISSUE			REMARK							
Date of receipt	Quantity received	Progressive Total	Date of issued	quantity issued	Item of work for which issued	Quantity returned at the end of the day	Total issued	Daily Balance in hand	Contractors initials	J.E's initials	Asstt. Engg. initials	A.E. initials	Periodical Check
1	2	3	4	5	6	7	8	9	10	11	12	13	14

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**SPECIAL CONDITIONS FOR STEEL**

1.1 The contractor shall procure TMT bars of Fe550 grade from primary producers such as SAIL, Tata Steel Ltd., RINL, Jindal Steel & Power Ltd. and JSW Steel Ltd. or any other producer as approved by CPWD who are using iron ore as the basic raw material/input and having crude steel capacity of 2.0 Million tons per annum and above.

In case of non-availability of steel from primary producers the NIT approving authority may permit use of TMT reinforcement bars procured from secondary producers having Integrated Steel Plants (ISPs) using iron ore as the basic raw material for production of crude steel which is further rolled into finished shapes in-house having crude steel capacity of 0.5 Million tonne per annum and more.

In case of non-availability of steel from primary producers as well as ISPs then the NIT approving authority may also permit use of TMT reinforcement bars procured from secondary producers in such cases following conditions are applicable.

The grade of the steel such as Fe550 grade to be procured is to be specified as per BIS 1786-2008.

- (a) The secondary producers must have valid BIS license to produce HSD bars conforming to IS 1786 : 2008. In addition to BIS license, the secondary producer must have valid license from either of the firms Tempcore, Thermex, Evcon Turbo & Turbo Quench to produce TMT Bars.
- (b) The TMT bars procured from primary producers & ISP shall conform to manufacture’s specifications.
- (c) The TMT bars procured from secondary producers shall conform to the specifications as laid by Tempcore, Thermex, Evcon Turbo & Turbo Quench as the case may be.
- (d) TMT bars procured either from primary producers ISP or secondary producers, the specifications shall meet the provisions of IS 1786: 2008 pertaining to Fe 550 grade of steel as specified in the tender

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

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

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

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

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

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

Size of bar	For consignment below 100 tonnes	For consignment above 100 tonnes
Under 10 mm dia bars	One sample for each 25 tonnes or part thereof	One sample for each 40 tonnes or part there of
10 mm to 16 mm dia bars	One sample for each 35 tonnes or part there of	One sample for each 45 tonnes or part there of
Over 16 mm dia bars	One sample for each 45 tonnes or part there of	One sample for each 50 tonnes or part there of

1.7 The contractor shall supply free of charge the steel required for testing including its transportation to testing laboratories. The cost of tests shall be borne by the contractor/Department in the manner indicated below:

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

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

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

1.10 Contractor shall be permitted to use TMT reinforcement bars procured from secondary producers subject to rate of providing & laying TMT reinforcement bars as quoted by the contractor in the tender shall also be reduced by Rs.7.00 per kg. (Which includes Contractor's Profit and Over Heads as applicable).

1.11 In case the contractor brings surplus quantity of steel the same after completion of the work will be removed from the site by the contractor at his own cost after approval of the Engineer-in- Charge.

1.12 The mild steel and medium tensile steel bars to be used shall conform to latest version of IS: 432 and cold twisted bars and TMT bars shall conform to the latest version of IS: 1786.

1.13 i) Reinforcement including authorized spacer bars and lappages shall be measured in length of different diameters as actually (not more than as specified in the drawings) used in the work nearest to a centimeter. Wastage and un-authorized overlaps shall not be measured.

ii) The standard sectional weights referred to as in Table 5.4 in para 5.3.4 in CPWD Specifications (Vol-I) 2019 for Cement Mortar, Cement Concrete and RCC Works will be considered for conversion of length of various sizes of M.S. Bars and T.M.T. bars into Standard Weight.

iii) Records of actual Sectional weights shall also be kept dia-wise and lot-wise. The average sectional weight for each diameter shall be arrived at from samples from each lot of steel received at site. The

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

decision of the Engineer-in-Charge shall be final for the procedure to be followed for determining the average sectional weight of each lot. Quantity of each diameter of steel received at site of work each day will constitute one single lot for the purpose. The weight of steel by conversion of length of various sizes of bars based on the actual weighted average sectional weight shall be termed as Derived Actual Weight.

- iv) a) If the Derived Weight as in sub-para (iii) above is lesser than the Standard Weight as in Sub-para (ii) above then the Derived Actual Weight shall be taken for payment.
- b) If the Derived Actual Weight is found more than the Standard Weight, the Standard Weight as worked out in sub-para (ii) above shall be taken for payment. In such case nothing extra shall be paid for the difference between the Derived Actual Weight and the standard Weight.

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**Additional Terms and conditions**

- 1) The work shall be carried as per CPWD specifications amended up to date, date as per additional specifications and conditions for this work.
- 2) The work shall be carried out in such a manner so as not to interfere or affect or disturb other works, being executed by other agencies, if any.
- 3) Any damage done by the contractor to any existing work shall be made good by him at his own cost.
- 4) The work shall be carried out in the manner complying in all respects with the requirement of relevant byelaws of the local bodies under the jurisdiction of which the work is to be executed and nothing extra shall be paid on this account.
- 5) The contractor is advised to visit the site before quoting for this tender to apprise himself about the site environments and other conditions.
- 6) No T & P shall be issued to the contractor by the department for execution of work.
- 7) No accommodation facilities shall be provided to the staff engaged by the contractor in the work premises by the Department.
- 8) The contractor shall make his own arrangement for obtaining electric connection (s) if required, and make necessary payment directly to the department concerned. The department will however make all reasonable recommendations to the authority concerned in this regard.
- 9) Minimum rates of wages are as per circular issued by the office of the Chief Labour Commissioner Agartala, Tripura. Accordingly, contractor / firm have to pay minimum rate of wages fixed by the Govt. of Tripura during the period of execution to all the labour employed.
- 10) The Contractor or his authorized representative should always be available at the site of work to take instructions from departmental officers, and ensure proper execution of work. No work should be done in the absence of such authorized representative.
- 11) The structural and other drawings for the work shall at all times, be properly correlated before executing any work and no claim whatsoever shall be entertained in his respect.
- 12) The contractor shall maintain in good condition, all works executed till the completion of entire work allotted to the contractor.
- 13) Royalty at the prevalent rates and all other incidental expenditure shall have to be paid by the contractor on all the, metal shingle, earth sand, bajri etc. collected by him for the execution of

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

the work direct to the concerned Revenue Authority of the State or Central Govt. His rates are deemed to include all such expenditure and nothing extra shall be paid.

15. The malba / garbage, removed from the site shall be disposed off by the contractor at any suitable place as directed by the Engineer-in-Charge.
16. All work and materials brought and left upon the ground by the contractor or by his order 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 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.
17. Unless otherwise provided in the schedule of quantities the rates, tendered by the contractor shall be all-inclusive and shall apply to all heights, depths, leads and lifts.
18. The contractor shall construct suitable godown at the contractor's compound for storing the materials safe against damage due to sun, rain dampness, fire, theft etc. He shall also employ necessary watch and ward establishment for the purpose and no extra claim whatsoever shall be entertained on this account.
19. Material shall be kept in joint custody of the contractor and the representative of the Engineer-in-charge. The empty containers shall not be removed from the site of work till the relevant Item of work has been completed and permission obtained from the Engineer-in-Charge.
20. The area shall be kept dry when the work is in progress even below water table. Nothing extra shall be paid for removal of slush / sludge, bailing out water due to sub-soil condition, rains, spring etc.
21. The temporary warning lamps shall be installed at all barricades during the hours of darkness and kept lit at all times during these hours.  
  
Failure to comply with the requirements mentioned above shall be deemed to be breach of the contract on the part of the contractor for which the contractor shall be liable to action under relevant clauses/conditions of the agreement. The Engineer-in-Charge shall give notice to the contractor for such default and the contractor shall comply with the same within one day of such notice failing which the Engineer-in-Charge will get the barricading set right in accordance with above provisions at risk and cost of the contractor in addition to the compensation payable by the contractor for default.
22. For taking the permission to execute the work, if any required from any Government Department like Traffic Police, local body etc. the contractor will associate themselves with the department.
23. The bitumen content in bituminous mix shall be checked by conducting the bitumen extraction test conforming to IRC:SP:11 at regular interval during progress of work. The actual consumption of bitumen shall be worked out based on such test results. The theoretical consumption shall be worked out based on the approved design mix formula. The actual consumption (based on

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

extraction test as well as MAS account) if found less than theoretical one, the recovery shall be made from contractor for bitumen of grade 80/100, **VG-30**, etc. as appropriate at the rate as mentioned under **Clause 42 in Schedule- 'F'** for less use of bitumen. The work found executed with bituminous mix having bitumen content lesser than permissible variation of (-) 0.3% (by weight on similar basis as of design mix) shall be considered as sub-standard work and hence shall be liable for rejection. However, nothing extra shall be paid if actual consumption so worked out is higher than theoretical consumption. This is without prejudice to action under other relevant clauses of the agreement.

24. No person / staff / labour shall be engaged for more than 26 days in a month. Number of staff to be engaged by the contractor for execution of work shall be as per site requirement, schedule of work and CPWD Manual. No claim for further employment of staff engaged by the contractor shall be entertained by the department i.e. BSF.
25. Any damage done to the man, machine and building during the execution of work shall be the responsibility of the contractor and same will have to be made good promptly by the contractor at his own cost to the entire satisfaction of the Engineer-in-Charge.
26. Contractor shall make his own arrangement for water & electricity and T& P required for the work.
27. Contractor shall have to make his own arrangement for storage place and their safety.
28. Watch & ward for the materials, shall be responsibility of the contractor till the installations are finally taken over by the department. Nothing shall be payable on this account separately as this is deemed to be included within scope of work.
29. All materials should be got approved from the Engineer-in-charge before use in work.
30. It will be the responsibility of the contractor to ensure the use of genuine materials in work. The department reserves the right to get any or all materials inspected by the manufacture or their authorized representatives at any stage of execution of the work or tested from any laboratory.
31. Where manufacturers furnish specific instruction/recommendations relating to the materials/equipment used in the work and / or their installation, covering points not specifically mentioned in this document, this instruction shall be followed in all cases.
32. Contractor or his authorized representative is bound to sign the site order book as and when required by the Engineer-in-Charge.
33. Some restrictions may be imposed by Security staff regarding working and movement of workers. The contractor and his staff are bound to follow the same.
34. The contractor agrees that he shall, all the times indemnify BSF against all the claims for compensation under the provisions of any law for the time being during the currency of this contract in respect of any person employed by him in carrying out the contract. Further such staff shall not have any right or claim for employment in BSF.

Dy. Commandant (Works),  
Frontier HQ BSF Salbagan  
(Agartala) Tripura – 799012

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**PARTICULAR SPECIFICATION AND SPECIAL CONDITIONS (CIVIL):-**

- 1.1 In case there is any discrepancy between English Version and corresponding Hindi Version wherever provided, then the provisions of English Version will prevail.
- 1.2 Wherever reference to any Indian Standard Specification occurs in the documents relating to this contract, the same shall be inclusive of all amendments issued there-to or revisions thereof, if any, up to the date of receipt of tenders.
- 1.3 The contractor shall work according to the programme of work as approved by the Engineer-in-charge, for which purpose, the contractor shall submit a tentative programme of the work within 15 days from the stipulated date of start of the work.
- 1.4 The Contractor will have to work according to the programme of work decided by the Engineer-in-charge. Wherever desired by Engineer-in-charge the contractor shall also construct a sample unit complete in all respect within time specified by the Engineer-in-charge & this sample unit shall be got approved from the Engineer-in-charge before mass construction is taken up. No extra claim whatsoever beyond the payment due at agreement rates will be entertained from the contractor on this account.
- 1.5 The contractor shall take instructions from the Engineer-in-charge for stacking of materials at site. No excavated earth or building materials shall be stacked on areas where the buildings, roads, services or compound walls are to be constructed.
- 1.6 If as per Municipal/BSF/Client Department rules, the huts for laboures are not to be erected at the site of work by the contractors, the contractors shall provide such accommodation at such locations as are acceptable to local bodies, for which nothing shall be payable.
- 1.7 Unless otherwise provided in the Schedule of quantities, the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the building and nothing shall be payable to him on this account. However, payment for centering, shuttering, if required to be done for heights greater than 3.5m, shall be admissible at rates arrived at, in accordance with clause 12 of the agreement, if not already specified otherwise.
- 1.8 The working drawings appearing in conditions of contract, shall mean to include both architectural and structural drawings respectively. The structural and architectural drawings shall be properly correlated before executing the work. In case of any difference noticed between architectural and structural drawings, final decision, in writing of the Engineer-in-charge shall be obtained by the contractor before proceeding further.
- 1.9 Samples for particular items of work shall be prepared, for prior approval of the Engineer-in-charge before taking up the same on mass scale and nothing shall be payable on this account.
- 1.10 The contractor shall use material as specified in the schedule of quantity and that given in the list of approved materials given in the tender documents. For other materials if ISI marked products are available, the contractor shall use only ISI marked products. In other cases, the materials shall conform to CPWD specifications. In case a materials/product is neither covered by ISI nor by CPWD specification, the work shall be carried out as per sound engineering practice, in which case the decisions of the Engineer-in-charge shall be final & binding.

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

1.11 Some restrictions may be imposed by the security staff etc. on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restriction / instructions including issue of identity cards to all persons authorized by him to do work / visit the work site and nothing extra shall be payable on this account.

1.12 Unless otherwise specified all materials (e.g. stone and other valuable material) obtained in the work of dismantling, excavation etc. shall be considered Government's property and shall be neatly stacked at site & in the manner as decide by the Engineer-in- charge.

1.13 The contractor shall make his own arrangements for obtaining electric connections, if required, and make necessary payments directly to the department concerned.

1.14 Other agencies doing works related with this project will also simultaneously execute the work and the contractor shall afford necessary facilities for the same. The contractor shall leave such necessary holes, opening etc. For laying/burying in the work pipes, cables, conduits, clamps, boxes and hooks for fan clamps etc. as may be required for other agencies. Conduits for electrical wiring/cables will be laid in a way that they leave enough space for concreting and do not adversely affect the structural members. Nothing extra over the agreement rates shall be paid for the same. The contractor shall extend necessary co- operation to them without any claim on this account.

1.15 Cast iron pipes and fittings without ear shall be used. However, pipes and fittings with ears may be accepted without any extra payment. In such cases, clamps are not required and no extra payment shall be made for fixing the pipes in a different manner.

1.16 Any cement slurry added over base surface for bond or for continuation of concreting, its cost shall be deemed to have been included in the respective items, unless specified otherwise and nothing extra shall be payable nor extra cement shall be considered in the cement consumption on this account.

1.17.1 Stacking of materials and excavated earth including its disposal shall be done as per the directions of the Engineer-in-Charge. Double handling of materials or excavated earth if required shall have to be done by the contractor at his own cost.

1.18 No claim for idle establishment & labour, machinery & equipment, tools & plants and the like, for any reason whatsoever, shall be admissible during the execution of work as well as after its completion.

1.19.(a) The building work will be carried out in the manner complying in all respect with the requirements of relevant bylaws of the local body under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-charge and nothing extra will be paid on this account.

(b) The work of water supply, internal sanitary installations and the drainage work etc. may required to be carried out as per local Municipal Corporation or such local body-Bylaws and the contractor in such cases shall produce necessary completion certificate from such authorities after completion of the work.

(c) Water tanks, taps, sanitary, water supply and drainage pipes, fittings and accessories wherever required should conform to by-laws and specifications of the municipal body/corporation where CPWD specifications are not applicable. The contractor should engage licensed plumbers for the work and get the materials (fixtures/fittings) tested by the Municipal body/Corporation authorities wherever required at his own cost.

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

(d)The contractor shall comply proper and legal orders and directions of the local or public authority or municipality and abide by their rules and regulations and pay all fees and charges which he may be liable.

1 . 2 0 The contractor shall give a performance test of the entire installation(s) as per standing specifications before the work is finally accepted and nothing extra whatsoever shall be payable to the contractor for the test.

1 . 2 1 The work pertaining to the items of internal finishing should be started consultation and with prior approval of Engineer-in-Charge as soon as the structure of two floors is completed.

1.22 All materials equivalent to the one specified should be got approved by the Engineer-in- charge before using the said materials in the work.

1.23. Any damage to work resulting from weathering conditions, defacing or from any other cause such as negligent act on the part of contractor, until the work is taken over by the Department after completion of work, shall be made good by the contractor, at his own cost.

1.24 The tendered rates are inclusive all taxes, cess and levies etc. payable under the respective states.

1.25 The intending tenderers are requested to go through architectural drawings mentioned in this document. These drawings are available in the O/O Engineer-in-charge. The architectural drawings show the type of building to be constructed, stories and other architectural features. No claim whatsoever shall be entertained for the same and also for lack of information on this account, which the tenderer is expected to have.

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**PARTICULAR SPECIFICATIONS**

**CIVIL WORKS**

**1. EARTH WORK**

The work shall be done in accordance with CPWD Specifications using mechanical equipment's and machinery as per site condition and without any damage to nearby structure.

**2. CONCRETE WORK**

The concrete work shall be done in accordance with CPWD Specifications.

**3. PRE-CAST RCC WORK**

Pre-cast reinforced concrete units shall be of grade or mix and cement content as specified in the schedule of quantities. Provision shall be made in the mould to accommodate fixing devices such as hook, flats etc and forming of notches and holes. Each unit shall be cast in one operation. A sample of the unit shall be got approved from Engineer-in-charge before taking up the work.

Pre-cast units shall be clearly marked to indicate the top of member and its location.

Pre-cast units shall be stored, transported and placed in position in such a manner that these are not damaged.

The compaction of the concrete shall be done by vibrating table or external vibrator, as approved by Engineer-in-charge. The rate quoted for the Item shall include the element for framework and mechanical vibration.

Rate for Item includes cost of all materials, shuttering, reinforcement, M.S Sheet, labour and all operations involved. Cost of M.S. frames, lugs including their welding, lifting hooks is also included.

**4. Shuttering: -**

The contractor shall use steel shuttering as approved by the Engineer-in-charge. Minimum size of shuttering plates shall be 600mm x 900mm except for the case when closing pieces required completing the shuttering panels. Dented, broken, cracked, twisted or rusted shuttering plates shall not be allowed for use on the work.

The shuttering plates shall be cleaned properly with electrically driven sanders to remove any cement slurry or cement mortar or rust. Proper shuttering oil or de-bonding compound or Plastic sheets shall be applied on the surface of the shutter plates in the requisite quantity before assembly of steel reinforcement.

**5. Brick work:-**

5.1 The brick work shall be carried out with good quality well burnt FPS Bricks of specified class designation.

5.2 The rate shall also include for leaving chases / notches for dowels / cramps for all kinds of cladding to come over brick work.

5.3 Brick masonry shall be with FPS. Contractor shall intimate the source of supply of bricks & samples of the bricks shall be got approved from the Engineer-In-Charge in advance.

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**PARTICULAR SPECIFICATIONS & SPECIAL CONDITIONS**

- 1. The work shall be done as per MORTH/CPWD Specifications. Cost of all tests shall be borne by the contractor. Job Mix formula shall be carried out by contractor from laboratory approved by the Executive Engineer /Assistant Engineer. Cost of Job Mix formula etc shall be borne by contractor.**
- 2. Design mix shall be done in approved lab like IITs, CRRI, NITs or Central/State owned laboratory approved by Engineer-in-charge. Cost of design mix shall be borne by contractor .**

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**LIST OF EQUIPMENT IN SITE TESTING LABORATORY**

PARTICULARS		ITEM	QUANTITY
1. Aggregate Testing			
	1	Set of coarse sieves 30cm dia (GI Sheet frames with aperture size (40 mm, 25mm, 20mm, 16mm, 17.5mm, 10mm, 4.75 mm all with lid and pan)	1 Set
	a)	Motorised sieve shaker for the above sieves.	1 No.
	2.	Set of fine sieves 20 cm dia of Brass with aperture size (4.75 mm, 2.36mm, 1.18 mm, 600 mic, 300 mic, 75mic all with lid and pan)	1 Set
	a)	Motorised sieve shaker for the above sieves.	1 No.
II Weighing Equipment	1.	Physical balance capacity 200 gms	1 No.
	2.	Dial type spring balance having knob capacity 100 kgs reading to ½ kg.	2 Nos.
	3.	Counter Scale capacity 1 kg & 10 kg	1 No. / each
	4.	Weighing Platform Capacity 100 kg	1 No.
	5.	Iron weights of 5kg, 2kg, 150gm, 200gm, 100gm	2 Nos. / each
	6.	Brass Weights of 50gm, 20gm, 10gm, 5gm, 2gm, 1gm	2 Nos. / each
III	1.	Cube testing Machine	1 No.
IV	1.	Slump cone in case of RCC work.	2 Nos.

The contractor has to deploy cube testing machine if the cost of cement concrete grade 1:2:4 (M-15) and richer mix is more than Rs 25 lacs. In other cases, the testing charges of cube shall be borne by the contractor.

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

1. These equipment/T &P/machinery shall be the mandatory requirement over and above those pertaining to arrangement of concrete from RMC producing plants as mentioned elsewhere in the tender documents. In case the requirement at any stage exceeds that given above the same shall be arranged as per need by the contractor at his own cost.

Nothing extra whatsoever shall be payable on this account.

2. All the equipment, T & P and machinery shall be kept in good conditions.
3. Equipment like excavators/Transit mixer etc. shall be allowed to be moved away from the site when, in written opinion of Engineer-in-Charge, the same are no longer required at site of work.
4. All the equipment shall be brought, installed and commissioned at site of work at least one week before their actual planned use at site.
5. To maintain horizontal & vertical profile of the building the contractor have to do the total station survey with least count of 1 second at his own cost and nothing extra shall be paid for this.
6. Before starting the work, the spot level of the site is to be done by the total survey station instrument by the contractor and three sets of spot level drawings are to be submitted by the contractor to the department before starting work.

Note:- The equipment's not relevant for this work may be exempted by Engineer-in-Charge on the written request of the agency.

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**FORM OF PERFORMANCE SECURITY (GUARANTEE)**

**BANK GUARANTEE BOND**

1. In consideration of the President of India (hereinafter called “the Government”) having agreed under the terms and conditions of agreement No. \_\_\_\_\_ dated \_\_\_\_\_ made 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 a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement, We \_\_\_\_\_

(indicate the name of the Bank)

(hereinafter referred to as “the Bank”) hereby undertake to pay to the Government an amount not exceeding Rs. \_\_\_\_\_/- (Rupees \_\_\_\_\_ only) on demand by the Government.

2. We \_\_\_\_\_ do hereby undertake to (indicate the name of the Bank)

pay the amounts due and payable under this Guarantee without any demure, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor (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).

3. We, the said bank further undertake to pay to the Government 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 relating thereto, our liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the contractor(s) shall have no claim against us for making such payment.

4. We \_\_\_\_\_ further agree that the guarantee (indicate the name of the Bank)

herein contained shall 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 till all the dues of the Government under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-in-Charge, on behalf of the Government, certifies that the terms and

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

conditions of the said agreement have been fully and properly carried out by the said contractor(s) accordingly discharges this guarantee.

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

the Government shall have the fullest liberty without our consent and without affecting in any manner our obligations 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 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 omission on the part of the Government or any indulgence by the Government 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 the Bank or the contractor(s).

7. We \_\_\_\_\_ lastly undertake not to  
(indicate the name of bank) revoke this guarantee except with the previous consent of the Government in writing.

8. This guarantee shall be valid upto \_\_\_\_\_ unless extended on demand by Government. Notwithstanding anything mentioned above, our liability against this Guarantee is restricted to Rs. \_\_\_\_\_ /-(Rupees \_\_\_\_\_ only) and unless a claim in writing is lodged with us within 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)

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**ANNEXURE-C**

**LIST OF APPROVED MANUFACTURES/SUPPLIERS (GENERAL)**

<b>SI No.</b>	<b>Materials</b>	<b>Approved product/make by the Committee for future NIT under this Zone</b>
1.	CEMENT (OPC/PPC)	SHREE, STAR, ULTRATECH, ACC , DALMIA, LAFARGE, AMBUJA, Amrit, or as directed by Engineer-in-charge
2.	STRUCTURAL STEEL SECTIONS AND REINFORCEMENT	TATA, SAIL, KAMDHENU, RINL, JINDAL STEEL & POWER LTD., JSW STEEL LTD., SHYAM (MISSHYAM STEEL INDUSTRIES) LIMITED), DURGAPUR
3.	DAMP PROOF MATERIAL/ POLY SULPHIDE SEALANT/ ADMIXTURES/ WATER PROOFING COMPOUND/ INJECTION	DR. FIXIT, FOSROC, BASF, IMPERMO, CICO, ZYDEX, DOW, CORNING, CHOKSEY, TUFFSHEAL, SIKKA,
4.	WHITE CEMENT	J.K. WHITE, BIRLA WHITE
5.	LOCKS/ LATCH	GODREJ, HARRISON, YALE, LINK.
6.	SS WIRE MESH	STERLING ENTERPRISES, TRIMURTY WELDED, SPC (SELECTED PRODUCTS CO).
7.	ADHESIVE	PIDILITE, FOSROC, SIKA, CICO, BASF,
8.	EPOXY MORTAR	FOSROC, SIKA, DR. FIXIT, CICO.
9.	DASH FASTENER	HILTI, FISHER, BOSCH, CANON
10.	FLUSH DOOR SHUTTERS (DOOR SHUTTERS (DECORATIVE/ NON DECORATIVE)/ LAMINATES/ PRELAMINATED PARTICLE BOARD/ BOARD & PLYWOOD	GREENPLY, CENTURY, NATIONAL, DURO, JAYNA (JAIN WOOD INDUSTRIES), MERINO, ACTION TESA, NOVOPAN, KITLAM, ARCHID, PLY, ACTION TESA (ISI MARKED)
11.	HYDRAULIC DOOR CLOSE R/ FLOOR	GODREJ, DORMA, HEFFLE, KICH, HETTICK, HARDWYN
12.	WOODEN DOOR FITTINGS OF BRUSHED STEEL	B & R, GODREJ, DORMA, HEFFLE, KICH, HETTICK.(ISI MARKED)
13.	S.S. STAIRCASE RAILING/ ACCESSORIES	KICH, D-LINE, JINDAL STAINLEES STEEL LTD.(ISI MARKED)

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<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

14.	FIRE CHECK DOOR	PROMAT, KUTTY DOOR, NAVAIR, SAINT GOBAIN, SIGNUM FIRE PROTECTION INDIA PVT. LTD.)
15.	FIRE CHECK ACCESSORIES CALCIUM/ SMOKE SEAL STRIP/ DOOR, CLOSER	PROMAT, NAVAIR, ASTRO FLAME.
16.	PREMIUM ACRYLIC EXTERIOR PAINT WITH LOW VOC / INTERIOR ACRYLIC PAINT AND PRIMER WITH LOW VOC/	ASIAN, BERGER, NEROLAC, DULUX
17.	ANODISED ALUMINIUM HARDWARE (HEAVY DUTY)	CLASSIC HARDIMA, EVERITE, SIGMA (ISI MARKED)
18.	HARDWARE FITTINGS	GODREJ, HFFLE, HETTICH, KICH, DORMA, POLYTUF (R.S. INDUSTRIES).
19.	TEMPERED GLASS	MODL SAINT GOBAIN, ASAHI, MODI GUARD
20.	POLYESTER POWDER COATING	NEROLAC, BERGER, J & N
21.	ALUMINIUM SECTIONS	HINDALCO, INDALCO, JINDAL
22.	FRICITION STAY HINGES	EARL-BIHARI, HETTICK, DORMA, HEFFLE.
23.	NUTS, BOLTS AND SCREWS	HETTCK, HEFFLE, KICH, DORMA
24.	EPDM GASKET	HANU, ANAND
25.	STRUCTURAL SILICON/WEATHER SILICON	DOW CORNING, WACKER, 3M
26.	ADHESIVE TAPE	NORTON, 3M (ISI MARKED)
27.	GLAZED CERAMIC TILES / VITRIFIED TILES	KAJARIA, SOMANY, NITCO, ORIENT, CERA, JOHNSON
28.	CEMENT CONCRETE TILES/ HARDONITE TILES	NITCO, HINDUSTAN, PODDAR, ULTRA TILES, NTC
29.	TILE ADHESIVE	CICO, PIDILITE, FERROUS, BALENDURA, LETECRETE.
30.	CHEQUERED TERRAZO TILES	NITCO, BHARAT, PODDAR, ULTRA TILES, NTC, CERA, SOMANY.
31.	CLAY TILES ON ROOF	KENJAI, JOHNSON.
32.	CC PAVERS	NITCO-{ROCKARD), PODDAR. ULTRA TILES
33.	GRASS PAVER	UNISTONE, ULTRA

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<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

34.	WATER-PROOF CEMENT PAINT/ SYNTHETIC ENAMEL PAINT/ PLASTIC EMULSION PAINT	SNOWCEM, ASIAN, BERGER, NERQLAC, DULUX
35.	VITREOUS CHINA SANITARY WARE	JAQUAR, PARRYWARE, HINDWARE, ESSCO, KOHLER SOMANY, CERA.
36.	FIRECLY SINK & DRAIN BOARDS	PARRY, SUNFIRE
37.	S.S. KITCHEN SINKS	NILKANTH, AMC, COBRA, SPC (SELECTED PRODUCTS CO.), CERA, M/S PRAYAG POLYMERS (P) LTD, KINGSTON (PLASTO CRAFT SANITARY INDIA PVT. LTD.)
38.	C P BRASS BATH FITTINGS	JAQUAR, HINDWARE, KOHLER, SOMANY, PRIMA CERA, KINGSTON, PRAYAG, ESSCO
39.	SOIL, WASTE & VENT PIPES & FITTING (A) CENTTIFUGAL CAST IRON	NECO, SKF, HEI'CO, BIC RPMF (RAJ PATIERN MAKERS & FOUNDERS PVT. LTD.) (ISI MARKED)
40.	LA (CI) PIPES	NECO, RIF
41.	G.I. PIPES	TATA, JINDAL (HISSAR)
42.	GI FITTINGS (MALLEABLE CAST IRON)	UNIK, ZOLOTO
43.	GUNMETAL VALVES	LEADER, SANT, ZOLOTO
44.	STONEWARE PIPE & GULLY TRAPS	PERFECT, PARRY
45.	R.C.C. PIPES (NP-2)	LAKSHMI, SOOD & SOOD, JAIN & Co.
46.	MS PIPES	TATA, SAIL, JINDAL, ELECTRO STEEL
47.	C.I. DOUBLE FLANGED SLUICE VALVE	KIRLOSKAR, IVC, BURN
48.	C.I. DOUBLE FLANGED NON-RETURN VALVE	KIRLOSKAR, LEADER
49.	C.I. MANHOLES COVERS	BIC, RIF, SPC (SLELECTED PRODUCTS CO.)
50.	UPVC PIPE	SUPPEREME, PRINCE, FINOLEX, AKG, KISHAN (ISI MARKED)
51.	BALL VALVES	ZOLOTO, IBP, ARCO
52.	UNGLAZED VITRIFIED TILES	JHNSON (ENDURA), SOMANY (DURASTONE)
53.	SPIDER FITTINGS	DORMA, HEFELE, KICH, HETTICK
54.	MINERAL FIBRE FALSE CEILING	ARMSTRONG, ANUTONE

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

55.	LIGHT WEIGHT CALCIUM SILICATE FALSE CEILING TILES	AEROLITE, HILUX
56.	ACOUSTICAL PANELS	ARMSTRONG, ANUTONE
57.	6MM THICK TOUGHENED HEAT REFLECTIVE GLASS	SAINT GOBAIN, ASAHI, MODIGUARD
58.	GLASS REINFORCED CONCRETE TILE	UNISTONE, ULTRA, GYPROC.
59.	UPVC WINDOW, VENTILATION AND DOORS	FENESTA, REHAU, NCL-VEKA
60.	MULTI LATERED POLYCARBONATE PANEL/ FAÇADE SYSTEM	GE PLASTICS, DANPLAN
61.	STAINLESS STEEL HARDWARE FITTINGS	DORMA, GODREJ, KICH, HAFFLE, HETTICK
62.	HUBLESS PIPES & FITTINGS	NECO, SKF, RPMF, (RAJ PATTERN MAKERS & FOUNDERS PVT LTD.)
63.	FRP DOOR SHUTTER AND FRAME	SPC (SELECTED PRODUCTS CO.) JAIN DOORS PVT. LTD, JAYNA (JAIN WOOD INDUSTRIES)
64.	SOLID PVC CUPBOARD SOLID KITCHEN CABINET AND SOLID PVC DOORS.	RAJSHREE, SINTEX
65.	PVC DOORS & FRAMES	RAJSHREE, SINTEX
66.	ISI MARKED FLUSHING CISTERNS	HINDWARE, KOHLER, CERA,
67.	MANUFACTURER OF MS STEEL SECTION WINDOWS, MS TUBLER SECTION WINDOWS & MS PRESSED STEEL DOOR FRAMES	SAN HARVIC, AGUE JANGID ENGINEERING WORKS
68.	PTMT BATHROOM FITTINGS	M/S PRAYAG POLYMERS (P) LTD, POLYTUF (R.S. INDUSTRIES) KINGSTON (PLASTOCRAFT SANITARY INDIA LTD.)
69.	SUPER PLASTICIZER	PIDILITE, FOSROC, SIKA, CICO,
70.	FRP SHUTTER	FIBER GLASS ENGINEERS, ASHOO MODEL
71.	CURTAIN CARRIER	VISTA LEVLOR OR EQUIVALNET
72.	DRAPERY ROD	VISTA LEVLOR OR EQUIVALNET

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

73.	TUBLAR SECTION WINDOW	M/S CLASSIC ENGINEERS & FABRICATOR, RAIPUR, M/S MULWIN INDUSTRIAL CORPORATION, KOLKATA
74.	HARDNER	HARDCRETE OF SNOWCEM INDIA, MC DERITOP, DR FIXIT
75.	EPOXY PRIMER & PAINTS	BERGER, PIDILITE, ASIAN, NEROLAC
76.	PRIMER	ASIAN, ICI, BERGER, NEROLAC
77.	PVC RAIN WATER PIPE & FITTING	FINOLAX, CLASSIC OF KISAN, ASTRAL
78.	BIO TOILET	SINTEX OR EQUIVALENT AS PER SPECIFICATION
79.	ALL SANITARY FITTING PTMT	PRAYAG, PRINCE, KLASSIC, SUPREME, ASTRAL
80.	PP-R PRPE & FITTING	SINTEX, FINOLEX, ASTRAL, SUPREME, SFMC
81.	SYNTHETIC POLYMERIC RUBBER COMPUND	ARMSTRONG, SUPERLON, VIDOFLEX
82.	TEXTURE EXTERIOR WALL	BERGER. NEROLAC, ASIAN, ICI-DULUX
83.	OIL BOUND DISTEMPER	BERGER. NEROLAC, ASIAN, ICI-DULUX
84.	VIRTUOSOS CHINA WASH BASIN OVAL	HINDWARE / PERRYWARE /CERA
85.	VITREOUS CHINA PEDESTAL FOR WASH BASIN	PEDSTAL OF PERRYWARE / HINDWARE /CERA
86.	VITREOUS CHINA FLOOR MOUNTED EUROPEAN W.C. WITHOUT/WITH CISTERN/ VITREOUS CHINA WALL HUNG W.C. WITH VITREOUS CISTERN (COMPONENT)/ ORISSA PAN/ VITREOUS CHINA HALF STALL URINAL/ VITREOUS CHINA WASH	PERRYWARE / HINDWARE /CERA
87.	LOW LEVEL PVC CISTERN SINGLE FLUSH	SLEEK MODEL CISTERN OF PVC OF HINDWARE OR SLIMLINE DELUXE MODEL OF PERRYWARE, CERA JINDAL.
88.	DUAL FLUSH FLUSHING CISTERN	SLEEK DUAL FLUSH PVC CISTERN OF HINDWARE OR SLIMLINE DUAL OF PERRYWARE, CEAR

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>



**SCHEDULE OF QUANTITY FOR EXECUTION OF WORKS**

**Name of work: - Renovation and Up-gradation of 01 No MI Room at BSF Campus Salbagan under FTR HQ BSF Tripura.**

SLN	Description	Qty	Unit	Rate	Amount
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	0.16	cum	7365.15	1178.42
2	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 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	6.23	Cum	6833.40	42572.08
3	Providing and layin in position cement concrete of specified grade excluding the cost of centtring and shuttering - All work upto plinth level: 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	2.61	cum	6050.65	15792.20
4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand)	2.93	cum	8288.35	24284.87
5	Half brick masonry with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in foundation and plinth.....Cement mortar 1:4	4.8	Sqm	837.85	4021.68
6	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	20.19	sqm	2015.75	40697.99
7	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws : 35 mm thick shutters with ISI	2.29	sqm	4342.30	9943.87

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**BORDER SECURITY FORCE, FRONTIER HQR TRIPURA**

	marked M.S. pressed butt hinges bright finished of required size Second class teak wood				
8	Providing and fixing chromium plated brass curtain rod having wall thickness of 1.25mm with two chromium plated brass brackets fixed with C.P. brass screws and PVC sleeves etc., wherever necessary complete :25 mm dia	63.50	mtr	482.30	30626.05
9	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : 300x16 mm	20.00	Each	260.30	5206.00
10	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodiccoating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete 200x10 mm	20.00	Each	90.80	1816.00
11	Providing and fixing aluminium handles, ISI marked, anodised (anodiccoating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 125 mm	40.00	Each	60.05	2402.00
12	Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame	40.35	metre	702.60	28349.91
13	30 mm thick Fiberglass Reinforced Plastic (F.R.P.) flush door shutter in different plain and wood finish made with fire retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate all around, with suitable wooden blocks inside at required places for fixing of fittings and polyurethane foam PUF)/ Polystyrene foam to be used as filler material throughout the hollow panel, casted monolithically with testing parameters of F.R.P. laminate conforming to table - 3 of IS: 14856, complete as per direction of Engineer-in-charge	15.00	sqm	3963.70	59455.50
14	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	109.82	sqm	1063.45	116788.08

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**BORDER SECURITY FORCE, FRONTIER HQR TRIPURA**

15	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	250.39	kg	114.65	28707.21
16	Steel work in built up tubular ( round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished seamless type tubes	2639.47	kg	168.95	445938.46
17	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete	76.61	kg	88.50	6779.99
18	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 colours 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 @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.	27.12	sqm	1142.80	30992.74
19	Providing and laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of Tile 600 x 600 mm	64.09	Sqm	1537.40	98531.97
20	Providing and laying Vitrified 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 brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of Tile 600x600 mm	9.74	Sqm	1676.15	16325.70
21	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin-charge. The sheet shall be fixed using self drilling / self tapping	454.50	sqm	671.55	305219.48

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**BORDER SECURITY FORCE, FRONTIER HQR TRIPURA**

	screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.				
22	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :Ridges plain (500 - 600mm)	32.00	meter	450.60	14419.20
23	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections ( galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runnerwith suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanized butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge 12.5 mm thick fully Perforated Gypsum Board tile made from plasterboard having glass fibre conforming to IS:2095 part I, of size 595x595 mm, having perforation of9.7x9.7 mm at 19.4 mm c/c with center borders of 48mm and the side borders of 30 mm, backed with nonwoven tissue on the back side, having an NRC (NoiseReduction Coefficient) of 0.79, with 50 mm resin bonded glass wool backing.	265.36	Sqm	1247.50	331036.60
24	12 mm cement plaster of mix :1:6 (1 cement: 6 fine sand	50.00	sqm	282.00	14100.00
25	15 mm cement plaster on the rough side of single or half brick wall of mix : 1 cement: 6 fine sand	50.00	sqm	324.30	16215.00
26	12 mm cement plaster finished with a floating coat of neat cement of mix :1:4 (1 cement: 4 fine sand)	4.80	Sqm	361.30	1734.24

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**BORDER SECURITY FORCE, FRONTIER HQ TRIPURA**

27	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	157.95	sqm	131.45	20762.53
28	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : One or more coats on old work	28.80	sqm	86.55	2492.64
29	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms/litre, of approved manufacturer, of required shade and colour complete, as per manufacturer's specification. Two or more coats on new work	638.33	sqm	92.75	59205.11
30	Distempering with 1st quality acrylic distemper (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade : Old work (one or more coats)	250.36	sqm	56.80	14220.45
31	Finishing walls with Acrylic Smooth exterior paint of required shade Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	20.00	sqm	111.60	2232.00
32	Finishing walls with Acrylic Smooth exterior paint of required shade Old work (One or more coat applied @ 0.90 ltr/10 sqm).	727.24	sqm	74.75	54361.19
33	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	638.33	Sqm	123.85	79057.17
34	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	638.33	sqm	16.35	10436.70
35	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground within 50 metres lead With cement mortar 1:4 (1cement: 4 fine sand)	20.00	sqm	462.30	9246.00
36	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: Float glass panes of nominal thickness 4 mm (weight not less than 10kg/sqm)	2.00	sqm	941.95	1883.90
37	Renewal of old putty of glass panes (length)	20.00	mtr	46.40	928.00
38	Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-in- Charge.	6.00	each	110.70	664.20
39	Dismantling 15 to 40 mm dia G.I. pipe including stacking of dismantled pipes (within 50 metres lead) as per direction of Engineer- in-Charge. (a) Internal Work-Exposed on wall	45.00	metre	2.85	128.25
40	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :Of area 3 sq. metres and below	76.00	each	302.70	23005.20

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**BORDER SECURITY FORCE, FRONTIER HQR TRIPURA**

41	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	167.89	Sqm	60.50	10157.35
42	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of :G.S. Sheet	454.50	Sqm	136.00	61812.00
43	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	6.00	each	744.60	4467.60
44	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead	100.00	Sqm	45.05	4505.00
45	Providing and fixing water closet squatting pan (Indian type W.C. pan ) with 100 mm sand cast Iron P or S trap, 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: White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	2.00	each	5781.35	11562.70
46	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 : W.C. pan with ISI marked white solid plastic seat and lid	4.00	each	5540.55	22162.20
47	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: White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap	6.00	each	1679.60	10077.60
48	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.Flexible pipe 32 mm dia	11.00	each	104.35	1147.85
49	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 complete.	6.00	each	1411.15	8466.90
50	Providing and fixing soil, waste and vent pipes :100 mm dia Sand cast iron S&S pipe as per IS: 1729	18.00	metre	1018.05	18324.90
51	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 100 mm dia Sand cast iron S&S as per IS - 1729	6.00	each	530.70	3184.20
52	Providing and fixing plain bend of required degree. 100 mm dia Sand cast iron S&S as per IS - 1729	6.00	each	412.95	2477.70

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**BORDER SECURITY FORCE, FRONTIER HQR TRIPURA**

53	Providing and fixing terminal guard :100 mm Sand cast iron S&S as per IS - 1729	3.00	each	392.90	1178.70
54	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :100 mm inlet and 100 mm outlet Sand cast iron S&S as per IS: 3989	13.00	each	1604.10	20853.30
55	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	6.00	each	600.35	3602.10
56	Providing and fixing PTMT shelf 440 mm long, 124 mm width and 36 mm height of approved quality and colour, weighing not less than 300 gms.	3.00	each	607.05	1821.15
57	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 25 mm nominal dia Pipes	42.00	metre	408.55	17159.10
58	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 20 mm nominal dia Pipes	18.00	metre	513.75	9247.50
59	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work 25 mm nominal dia Pipes	36.00	metre	370.65	13343.40
60	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	6.00	each	532.35	3194.10
61	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet : 100 mm diameter	6.00	each	166.35	998.10
62	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :15 mm nominal bore	12.00	each	434.20	5210.40
63	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931 15 mm nominal bore	6.00	each	594.75	3568.50

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**BORDER SECURITY FORCE, FRONTIER HQR TRIPURA**

64	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore	16.00	each	500.35	8005.60
65	Providing and fixing PTMT grating of approved quality and colour. Circular type 100 mm nominal dia	6.00	Each	33.20	199.20
66	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D. plastic ball.25 mm nominal bore, 152mm long, weighing not less than 440 gms	4.00	Each	459.40	1837.60
67	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	3.00	each	942.15	2826.45
68	Providing and fixing toilet paper holder : C.P. brass	3.00	each	680.80	2042.40
69	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms	6.00	each	204.70	1228.20
70	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms	6.00	each	96.75	580.50
71	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	2000.00	per ltr	9.70	19400.00
72	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.15 mm nominal bore with 45 cm length	16.00	each	107.90	1726.40
73	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	197.26	Kg	433.95	85600.98

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**BORDER SECURITY FORCE, FRONTIER HQR TRIPURA**

74	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)	223.74	kg	531.80	118984.93
75	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	34.56	Sqm	1325.55	45811.01
76	Grading roof for water proofing treatment with Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)s bands and face veneers on both faces of shutters:	10.88	Cum	7510.75	81716.96
77	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3 mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufactured of density at 25°C, 0.87 - 0.89 kg/litre and viscosity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/5 cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane :3 mm thick	217.59	Sqm	534.10	116214.82
78	Cleaning of septic tank & manholes including removal of sludge manually or by labour and disposal of sludge with mechanical Mode as per the direction of Engineer - in -Charge	4.73	Cum	436.37	2064.03
79	Cleaning of sewerage line including removal of sludge by manually labour complete as per direction of Engineer -in -Charge.	150.00	mtr	169.30	25395.00

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

## BORDER SECURITY FORCE, FRONTIER HQ TRIPURA

80	Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.50 mm all complete. With 12 mm aluminu U beading	14.22	Sqm	1,393.00	19808.46
81	Cost of dismantled old rusty used corrugated G.S. sheet roofing to be credited to the work by providing same to the contractor/ firm for further resale to kawadi or disposal at his end. Final bill will be processed only after cleaned off dirt, rubbish, & lifting off condemned stores etc. from site and no any loading, unloading, transportation or any other charges will be paid by the department.	2227.05	kg	-20.05	-44652.35
	<b>Total</b>				2699071.12
	Add GST 18% instead of 12% (Multiplying factor 6.33%) from Sr no 01 to 77				170685.66
					2869756.78
	Add Cost Index @ 64% on DSR @ 2021 FROM SRL NO 01 TO 77 Rs				1834970.62
	<b>Total</b>				4704727.40
	<b>Estimated Cost</b>			<b>Say Rs.</b>	<b>4704727.00</b>

I/We agree to execute the above-mentioned work \_\_\_\_\_ Above / below on the Estimated cost  
(Percentage in words \_\_\_\_\_ % above/below)

Signature of Contractor  
With date and seal

Executive Engineer (Civil)  
Frontier HQ BSF Salbagan  
(Agartala) Tripura – 799012

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**PROFORMA OF SCHEDULES FOR ELECTRICAL WORK (PART-C)**

**TERMS AND CONDITIONS FOR ELECTRICAL WORKS**

1. The works to be governed by this contract shall cover delivery and transportation up to destination, safe custody at site, insurance, erection, testing and commissioning of the entire Electrical Works.
2. The works to be undertaken by the Contractor will interalia include the following:
  - (a) Preparation of detailed AS BUILT drawings of electrical wiring, installation, cable laying, erection, fixing of switchgear etc.
  - (b) Pre-commissioning tests as per relevant standard specifications, code of practice, acts & Rules.
  - (c) Warranty obligation for circuit breaker, CT, Cables, Capacitors etc. are to be supplied by the Contractor.
  - (d) All other earthwork and masonry works required to be done in connection with the electrical works.
3. All the materials to be used in execution of the contract shall be of approved quality and of the class most suited for the purpose specified. The work shall also conform to the following Acts, Rules and orders.
  - (a) Indian Electricity Act (b) National Building Code (c) National Electrical Code (d) Bureau of Indian Standard

**4. Electrical License:-**

The work shall be carried out by a Contractor holding valid licence issued by the State Government for carrying out installation work of a voltage classes involved, under direct supervision of the persons holding valid certificates issued or recognized by the state government.

The tenderer should furnish with the tender, the particulars of the license with validity period held by him. The successful tenderer shall furnish the names and particulars of certificates of competency of supervisors and workmen to be engaged for carrying out this work.

**5. Installation:-**

All works connected with and inclusive of installation and erection under this contract shall be done in accordance with the standard and established methods of installation and erection of electrical equipment and shall comply with relevant Indian Electricity Rules, National Electrical Code, BIS codes of practice and standards. The work shall also be strictly in accordance with the instructions/recommendations of the manufacturer wherever applicable. The equipment shall be levelled carefully before being fixed finally in position. All fragile and sensitive equipment shall be protected adequately and handled carefully during installation and erection.

**6. Commissioning tests:-**

As soon as the installations are ready for commissioning, the Contractor shall arrange for all the tests / inspections as required by the relevant ISS and / or IE Rules and advise the Employer and others concerned. Employer shall depute their inspecting officer for witnessing the tests and to carry out inspection independently and also jointly with other concerned agencies wherever necessary and only after the installation passes the required tests and inspection, it should be

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

commissioned / energized. The Contractor shall arrange all testing equipment's / apparatus / instruments as will be required for conducting the tests without any extra cost.

- (a) Visual inspection shall include checks for satisfactory workmanship, all connections, painting, cleanliness of all fittings etc., and compliance with Indian Electricity Rules. (b) The ammeters, voltmeters and energy meters shall be checked for their calibration, scale, accuracy, etc. for compliance with the specified requirement. (c) (i) Manufacturer's test certificates shall be furnished on demand. (ii) Certificates of compliance to routine test shall also be furnished. (iii) Routine tests certificates are required to be submitted. (d) All cables and connections after erection shall be tested as required by the employer for: (i) Continuity test (ii) Insulation Resistance test (e) Earth resistant shall be measured separately for each earth electrode and when they are connected together and to the equipment should be recorded.

7. All sundry fittings, assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections as required, and all other sundry items which are useful and necessary for proper assembly and efficient working of the various component of the work shall be deemed to have been included in the tender whether such items are specifically mentioned in the tender documents or not.

**Technical Specification for Electrical works**

- 1. Conformity to IE Act, IE rules, and standard and as per CPWD specifications for internal and external work pertaining to electrical works up to date and amended.
  - (a) All electrical works shall be carried out in accordance with the provisions of Indian Electricity Act, 1910 and Indian Electricity Rules, 1956 amended up to date.
  - (b) The works shall also conform to relevant Indian Standard code of Practice for the type of work involved.
  - (c) In all electrical installation works, relevant safety codes of practice shall be followed.
  - (d) Unless otherwise specified, the work shall be carried out as per current **CPWD general specifications for electrical works (Internal & External)** as applicable as per the instruction of the site Engineer-in-Charge or his authorized representative.

**2. Workmanship**

The work shall be carried out under the direct supervision of highly experienced licensed SUPERVISOR, i.e. a person holding a certificate of competency issued by the State Govt. for the type of work involved, employed by the Contractor , who shall rectify the defects pointed out by the EIC during the progress of the work.

**3. Completion Plan and completion certificate**

- (a) For all works, completion certificate after completion of work as given in appendix-A shall be submitted to the Engineer In-Charge.
- (b) "As Built" drawing to be submitted along with test/completion certificate which is an essential part for consideration of Final Bill.

**4. Testing & Installation**

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

On completion of installation, the following tests shall be carried out:

- (a) Insulation resistance test by appropriate class of Megger
- (b) Earth Continuity test
- (c) Earth Resistance test by earth Megger All necessary test instruments for the test shall be arranged by the OEM/ Authorised service dealer if so required by the EIC. Calibration certificates may be required to produce on demand by the EIC.

**5. Testing of Earth Continuity Path**

The earth continuity conductor, including metal conduits and metallic enclosures of cables in all cases, shall be tested for electric continuity. The electrical resistance of the same along with the earthing lead, but excluding any added resistance, or earth leakage circuit breaker, measured from the connection with the earth electrode to any point in the in the earth continuity conductor in the completed installation shall not exceed more than five ohm

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**SPECIAL CONDITIONS**

The 1<sup>st</sup> lowest tenderer have to submit the following documents for association of electrical contractor at least 7 days from acceptance of tender.

1. The applicant should submit the willingness from an eligible electrical contractor to get associated with the applicant for execution of the electrical component of works in wholesome manner and as per the conditions set out in the MOU to be entered into, between the one who is awarded the work and the associated eligible electrical contractor.
2. In support of the eligibility conditions of the proposed associated electrical contractor, copy of their registration documents, Electrical Contractor’s License, GST Documents duly attested by the applicants (Main Contractor) shall be submitted to the EE(E). Each such electrical contractor will certify that they are not debarred as on the day of application for sale of tender.
3. The main contractor will submit MOU signed on non-judicial paper with eligible registered electrical contractor only. The MOU in the enclosed form shall be signed by both the parties i.e. main contractor as 1<sup>st</sup> party and associated electrical contractor as 2<sup>nd</sup> party.
4. In the event of the concerned E&M agency not performing satisfactorily or failure of associate sub contractor to complete the E&M work, the main contractor on the written direction of the department, shall remove the Associate/sub-contractor deployed on the work and shall submit name of new associate who fulfill the conditions mentioned in NIT to execute the leftover work without any loss of time or variation in cost to the department in this regard. Such associates shall also enter into tripartite Agreement/Contract along with the main tenderer and the departmental officer and shall meet all the guarantee for the equipment’s already supplied for which payment has been released by the Deptt. in part. If any equipment supplied for the work, during the currency of the earlier Associate/sub-contractor and paid partly by the Deptt. , becomes redundant /not in a position to be installed and commissioned and put to beneficial use due to change in agency for execution of E&M work, the main contractor shall be liable for replacement of the equipment(s) at no cost to Department. No change of Electrical Contractor will be allowed without prior approval of the Chief Engineer, Siliguri.
5. Executive Engineer (E) shall be the Engineer-in-charge as far as electrical works are concerned. Separate tender schedule abbreviated CPWD-7 and Special Conditions for Electrical Work are appended with this tender It will be obligatory on the part of the contractor/tenderer to sign the tender documents for all the component parts.
6. The main contractor shall be responsible and liable for proper and complete execution of the Electrical work and ensure coordination and completion of both civil and electrical work.
7. The associate or sub-contractor shall sign a tripartite Agreement/Contract along with the main tenderer and the departmental officer, for technical compliance of specification, guarantee etc.
8. The associate or sub-contractor shall attend the inspection of the work by the Engineer- in-Charge of E&M works as and when required.

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**MEMORANDUM OF UNDERSTANDING M.O.U] BETWEEN**

**(TO BE SUBMITTED BEFORE START OF WORK)**

1] M/S [Name of the firm with full

address)Enlistment Status

Valid Upto:

[ Henceforth called the main contractor]

**And**

2] M/S [ Name of the firm with full address)

Enlistment Status

Valid Upto:

[ Henceforth, called Associated Electrical Contractor or Electrical Contractor]

**Name of Work:- Renovation and Up-gradation of 01 No MI Room at BSF Campus  
Salbagan under FTR HQ BSF Tripura. (composite work)**

of an estimated cost of **Rs. 3,89,956.00** as per schedule, specifications, terms and conditions of the tender.

We state that M.O. U's. between us will be treated as an agreement and has legality as per Indian Contract Act (amended upto date) and the department (CPWD) can enforce all the terms and conditions of the agreement for execution of the above work. Both of us shall be responsible for the execution of work as per the agreement to the extent of these MOU allows.

We have agreed as under:

- 1- The associated electrical contractor will execute all electrical works in the wholesome manner as per terms and conditions of the agreement. Any type of internal transaction between the electrical contractor and main contractor shall be as per their convenience and mutual understanding without involving the department. Security deposit shall be deducted as per agreement.
- 2- The electrical contractor shall be liable for disciplinary action and other legal actions as per agreement if he fails to discharge obligation as per this agreement besides forfeiture of the security deposit.
- 3- All the machinery and equipment, tools and tackles required for execution of the electrical works. As per agreement shall be the responsibility of the electrical contractor.
- 4- The site staff required for the electrical work shall be arranged by the electrical contractor as per terms and conditions of the agreement.

SIGNATURE OF MAIN CONTRACT

SIGNATURE OF ASSOCIATED  
ELECTRICAL CONTRACTOR

Date

Date

Place

Place

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**WILLINGNESS CERTIFICATE**

**(To be submitted before start of work)**

**Name of Work: Renovation and Up-gradation of 01 No MI Room at BSF Campus Salbagan under FTR HQ BSF Tripura.**

I hereby give my willingness to work as electrical contractor for the above mentioned work.

I will execute the work as per specifications and conditions for the agreement and as per direction of the Engineer-in-charge. Also I will employ full time technically qualified supervisor for the works. I will attend inspection of officers of the department as and when required.

Date:

**Signature of Contractor**

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**LIST OF ACCEPTABLE MAKES SHALL BE FOLLOWED IF NOT MENTIONED IN THE SCHEDULE OF QUANTITY**

Sr no	Items	Name of manufacturer
	FRLS PVC insulated copper conductor single core cable for wiring ISI marked	Havells/Finolex/Polycab/KEI/RRKABEL
	SWITCH & SOCKET	Anchor/SSK/Crabtree,
	GI pipe	Tata/Jindal(Hisar)/Prakash/Surya
	Paints	Assian/Burger/Nerolac
	Terminal blocks and connector	Dowells
	Compact air insulated rising mains	Legrand/Schneider/L&T/GE
	MCB,MCBDB,RCBO's/RCCB	Schneider Electric/Legrand/L&T/Seimens/ Havells/Indoasian
	MCCB/Timer	Schneider Electric/Legrand/L&T/ C&S / Seimens/Havells/ Indoasian
	SDF,HRC fuses ,cable management system/DLP trucking	SchneiderElectric/Legrand/L&T/Seimens/ Havells
	Ammeter/Voltmeter	AE/IMP/Rishab/HPL(Only digital type to be used)
	Selector switch/CT's	Kayee/Siemens//L&T
	Changeover switch	L&T/Siemens/Havells/GE
	Indicating lamp	Technic/seimens/L&T/Vaishnov
	Panel board/feeder pillar	Manufacturer have ISO9001 certification/CPRI approved
	Straight through joint with cast resin compound including ferrules and other jointing materials.	M-seal/Cab-seal/Venus/Denson
	XLPE Al conductor cable ISI mark confirming to IS7098/PT-1/88	Havells/KEI/Polycab
	PVC conduit /Accessories ISI marked	Precision/Polycab/Finolex
	Phenolic laminated sheet ISI marked	Hylum/Formika/Fine
	Porcelain Re wireable type fuse carrier & base unit	Havells/HPL/Standard/L&T
	Load Break switch	L&T/Havells/GE
	LED post top fittings	Havells, Crompton, Philips
	Busbar	Havells/GECO/L&T

**Note:--The decision of the Engineer-In-Charge in this regard to use of any particular brand out of above mentioned brands shall be final and binding to the contractor.**

AC(Electrical)  
FTR HQ BSF Tripura  
Salbagan (Agartala)

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**ADDITIONAL TERMS AND CONDITIONS**

- 1) The work shall be carried as per CPWD specifications
- 2) The contractor is advised to visit the site before quoting for this tender to apprise himself about the site environments and other conditions.
- 3) No T & P shall be issued to the contractor by the department for execution of work.
- 4) No accommodation facilities shall be provided to the staff engaged by the contractor in the work premises by the Department.
- 5) Minimum rates of wages are as per circular issued by the office of the Chief Labour Commissioner (Central). Delhi. Accordingly, contractor / firm have to pay minimum rate of wages fixed by the Govt. of India during the period of execution to all the labour employed.
- 6) No person / staff / labour shall be engaged for more than 26 days in a month. Number of staff to be engaged by the contractor for execution of work shall be as per site requirement, schedule of work and CPWD Manual.
- 7) Any damage done to the man, machine and building during the execution of work shall be the responsibility of the contractor and same will have to be made good promptly by the contractor at his own cost to the entire satisfaction of the Engineer-in-Charge.
- 8) Contractor shall make his own arrangement for water & electricity and T& P required for the work.
- 9) Contractor shall have to make his own arrangement for storage place and their safety.
- 10) Watch & ward for the materials, shall be responsibility of the contractor till the installations are finally taken over by the department. Nothing shall be payable on this account separately as this is deemed to be included within scope of work.
- 11) All materials should be got approved from the Engineer-in-charge before use in work.
- 12) It will be the responsibility of the contractor to ensure the use of genuine materials in work. The department reserves the right to get any or all materials inspected by the manufacture or their authorized representatives at any stage of execution of the work or tested from any laboratory.
- 13) Where manufacturers furnishes specific instruction/recommendations relating to the materials/equipment used in the work and / or their installation, covering points not specifically mentioned in this documents, this instruction shall be followed in all cases.
- 14) Contractor or his authorized representative is bound to sign the site order book as and when required by the Engineer-in-Charge.
- 15) The contractor agrees that he shall, all the times indemnify BSF against all the claims for compensation under the provisions of any law for the time being during the currency of this contract in respect of any person employed by him in carrying out the contract. Further such staff shall not have any right or claim for employment in BSF.
- 16) TDS shall be deducted as per Govt guidelines.
- 17) All dismantle materials handed over to the concerned construction NCO on the contractor's letter head by contractor end.

AC(Electrical)  
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Salbagan (Agartala)

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<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

**SCHEDULE OF QUANTITY FOR ELECTRICAL WORK**

**Name of work: - Renovation and Up-gradation of 01 No MI Room at BSF Campus Salbagan under FTR HQ BSF Tripura.**

SLN o	Description	Qty	Unit	Rate	Amount
1	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel/PVC conduit including dismantling as required Group A	12	Point	574	6888
2	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 medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required a) Group B	22	Point	1160	25520
3	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel/PVC conduit including dismantling as required Group B	62	Point	637	39494.00
4	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.a)2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	40	Mtr	233	9320.00
5	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.a) 2 X 4 sq. mm + 1 X 4 sq. mm earth wire	45	Mtr	334	15030.00
6	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				0.00
	a) 3 x 1.5 sq. mm	70	mtr	95	6650.00
	b) 3 x 4 sq. mm	80	mtr	206	16480.00
7	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required a) 20 mm	80	mtr	223	17840.00

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<b>DELETION (D)</b>	<b>NIL</b>

**BORDER SECURITY FORCE, FRONTIER HQR TRIPURA**

8	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required. a) 5/6 Amp. Switch	76	Each	52.00	3952.00
9	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required. a) 3 pin 5/6 Amp. Socket	92	Each	69.00	6348.00
10	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required	15	Each	488.00	7320.00
11	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc. as required 180 mm X 100 mm X 60 mm deep	37	Each	245.00	9065.00
12	Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc. as required.	89	Each	87.00	7743.00
13	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required	6	Each	99.00	594.00
14	Supplying and fixing PVC batten/ angle holder including connections etc. as required	29	Each	110	3190.00
15	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) a) 8 way (4 + 24), Double door	2	Each	5967	
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections , powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) including dismantling the existing a) 12 way, Double door	4	Each	2315	9260.00
17	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				0.00
	Single pole	78	Each	256	19968.00
	double pole	3	Each	656	1968.00
	Tripple pole and nutral	2	Each	1228	2456.00
18	Earthing with G.I. earth pipe 4.5 meter long, 40 mm dia including accessories, and providing masonry enclosure	1	Set	6855	6855.00

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<b>DELETION (D)</b>	<b>NIL</b>

**BORDER SECURITY FORCE, FRONTIER HQR TRIPURA**

	with cover plate having locking arrangement and watering pipe etc. with charcoal/coke and salt as required.				
19	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	18	Mtr	287	5166.00
	Total (From item no 01 to 19) Rs.				221107.00
	Add GST @ 18 % on DSR 2022 instead of 12% ( Multiplication factor = 1.0633)			(A)	235103.07
20	Supplying, Installation, testing and commissioning of 1200 mm energy saving, ISI marked double ball bearing ceiling fan with out regulator including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable Make Usha cat ref 1200 mm Apollo LX 1 Star, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required .Make Havells/ CG/Usha	17	Each	2862	48654.00
21	Supplying and fixing 100 Watt step regulator tiny EME Fan regulator on the existing phenolic laminated sheet Make Anchor ref code 225465 including connections etc.complete as required make anchor/Havells/Fine.	17	Each	471	8007.00
22	Supplying and fixing of 230 mm sweep, metal body double ball bearing exhaust fan suitable for single phase, 50 Hz, 230 volts, AC supply with self opening lovers/shutters Make Usha cat ref 230MM AEROCLEAN LD GBD including making hole of suitable size and making good the damaged with plastering including connections etc. as required.Make Havells/ CG/Usha/Orient	13	Each	3241	42133.00
23	Providing and fixing of 20 watt LED 6500 K batten Decorative ultra slim square profile LED lighting fixture with extruded polycarbonate, environmental friendly, energy efficientetc Make Havells cat ref LHEXAWP6IN1W020. as required including making connection etc. as required directly on ceiling/ wall, including connections, testing etc as required.Make Havells/ Crompton/Philips	36	Each	447	16092.00
24	Providing and fixing of 9 Watt decorative wall light fixture made up of polycarbonate suitable for 9 Watt LED lamp B22 base cat ref CITY-1 LHDL02160099 ALONG WITH 9 Watt LED bulb. Make Havells/ CG/Philips /Wipro	2	Each	1317	2634.00
25	Supplying and fixing of 9 watt Led Bulb on the existing holder including connections etc.complete as required.Make Havells/Crompton/Philips	33	Each	203	6699.00

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<b>DELETION (D)</b>	<b>NIL</b>

## BORDER SECURITY FORCE, FRONTIER HQ TRIPURA

26	Supplying and fixing 2x2 36 W 3000 K Ultra Slim recess mounted Edge lit LED module with high brightness LED package and unique pattern de-glaring PP diffuser and PS LGP de-glaring diffuser sheet for glare free uniform light distribution suitable for armstrong/ grid ceiling Make Havells cat Ref LHEBAEP5IW1W036 including making connection with 1.5 sq mm copper wire, etc as required of make Havells/ Crompton/Philips.	4	Each	2726	10904.00
27	Dismantling of existing 1.5/2 ton split type air conditioners and reinstallation after completion of civil work making good the damaged etc as required.	4	Each	1544	6176.00
28	Re-filling of Gas charging of refrigerent R-22/32 for 1.5/2.0 Ton split type Air conditioner etc as required.	4	Kg	1789	7156.00
29	Dismantling of existing wiring including switch boards,main switches/sockets, fitments,removing of old MS boxes and making good the damaged etc as required.	1	Job	2537	2537.00
	<b>Total</b>			(B)	150992.00
	<b>Total (A+B)</b>			(A+B)	386095.07
	Add @ 1 % labour cess on total				3860.95
	<b>Total Cost</b>				389956.02
	<b>Estimated Cost</b>			<b>Say Rs.</b>	<b>389956.00</b>

I/We agree to execute the above-mentioned work \_\_\_\_\_Above / below on the Estimated cost  
(Percentage in words \_\_\_\_\_% above/below)

Signature of Contractor  
With date and seal

Assistant Engineer (Elect)  
Frontier HQ BSF Salbagan  
(Agartala)Tripura – 799012

<b>CORRECTION (C)</b>	<b>NIL</b>
<b>INSERTION (I)</b>	<b>NIL</b>
<b>DELETION (D)</b>	<b>NIL</b>

