

MILITARY ENGINEER SERVICESNAME OF WORK: **ADDITION ALTERATION OF ROS UNDER GE(I) CG GOA****CONTENTS**

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Drawing: NIL SheetsSignature of Contractor
Dated:AGE (Contracts)
for Accepting Officer

Tele: (0832)-2951516
Email ID: gecggoa4-mes@gov.in

Military Engineer Services
GE (I) (CG) Goa
HQ Coast Guard DHQ-11,
Goa-403806

8635/GOA/ 08 /E8

02 Apr 2026

NAME OF WORK: ADDITION ALTERATION OF ROS UNDER GE(I) CG GOA

Dear Sir(s),

1. Tender documents in respect of above works are uploaded on the site <http://defproc.gov.in>. The tender is on single stage two cover e-tendering system. The contents of cover-I and cover-II are specified in **NOTICE OF TENDER**.
2. Bids will be received online by ACCEPTING OFFICER upto date and time mentioned in the **NOTICE INVITING TENDER (NIT)**. No tender/bid will be received in physical form and any tender/bid received in such manner will be treated as non bonafide tender/bid.
3. Bid will be opened on due date and time fixed for opening in the presence of tenderers/bidders or their authorized representatives, who have uploaded their bid and who wish to be present at the time of opening of the bids.
4. Your attention is also drawn to instruction on filling and submission of tender attached herewith. You may forward your points on tender documents and/or depute your technical representative for discussion on tender/ drawings and to clarify doubts, if any, on or before the dates mentioned in eprocurement portal. You are requested not to write piecemeal points and forward your points duly consolidated before last date mentioned in eprocurement portal.
5. Unenlisted contractors are required to submit the scanned copies (in pdf file) of documents required as per eligibility criteria mentioned in instructions for filling the tender documents and **Appendix 'A' to NIT** along with **Earnest Money Deposit** and **tender fee** on e-procurement portal **in the form of DD** and submit the physical documents in the office of **GE (I) CG GOA** within time limit specified in **NIT**. Inadequacy/deficiency of documents shall make the bid liable for rejection resulting in disqualification for opening of financial bid.
6. Enlisted contractors having not executed standing security bond and standing security deposit in any MES formation shall upload scanned copy of **Earnest Money Deposit** mentioned in Notice of Tender and shall ensure receipt of hard copy of **the same** in the office of tender issuing authority before date & time fixed for this purpose. In case of failure to abide by any of these two requirements, the finance bid will not be opened.

Contd.../-

7. PERFORMANCE SECURITY

(a) Within 28 days of receipt of the letter of Acceptance, the successful contractor shall deliver to the Accepting officer a performance security in any of the forms given below for an amount equivalent to 5% of the Contract sum.

(i) A Bank Guarantee in the prescribed form.

(ii) Government Securities/ FDR/ Insurance Surety Bonds or any other Government instruments stipulated by the Accepting officer.

(b) If the performance security is provided by the successful contractor in the form of a Bank Gurantee/ Insurance Surety Bonds, it shall be issued by Nationalized/Scheduled Indian Bank but its confirmation shall be done only from the Head Office of the Bank.

(c) Failure of the successful contractor to comply with the requirements of clause 7(a) shall constitute sufficient grounds for cancellation of the award of work. An amount equal to EMD shall be notified to the tenderer for depositing the amount through MRO. Issue of tender to such tenderers shall remain suspended till the aforesaid amount is deposited in Government Treasury.

(d) All compensation or other sums of money payable by the contractor to the Government under the terms of this contract or under any other contract with Government may be deducted from, or paid by the sale of a sufficient part of the performance Security or from the interest arising there from or from any sums which may be due or become due to the contractor by the Government on any account whatsoever and in the event of his performance security being reduced by reason of any such deduction, or sale as aforesaid, the contractor shall within ten days thereafter make good in cash or securities, endorsed as aforesaid, any sum or sums which may have been deducted from or realized by the sale of his performance Security or any part thereof. Government shall not be responsible for any loss of securities or any depreciation in the value of securities while in their charge nor for loss of interest thereon.

(e) In the event of contract being cancelled, under condition 52, 53 & 54 of General conditions of contract, the performance security shall be forfeited in full and shall be credited into "Consolidated Fund of India."

8. Enlisted contractors of MES shall submit the scanned copies (pdf file) of enlistment letter and tender fee and such other documents as mentioned in Appendix 'A' to **NIT** on e-procurement portal and submit physical documents in the office of **GE (I) CG GOA** before date & time fixed for this purpose.

9. The contractor must ensure that the tender/bid on the proper form is uploaded in time as the Accepting Officer will take no cognizance of any quotations/offer received in any other electronic or physical form like email/fax/by hand/ through post from tenderer/bidder even if they are received in time.

10. In view of delays due to system failure or other communication related failures, it is suggested that the tender/bid be uploaded, if necessary, sufficiently in advance of the last due date and time fixed.
11. General Conditions of Contracts (IAFW-2249) (1989 Print) and errata and amendments thereto, Schedule of minimum fair wages and MES SSR (Part-I and Part-II) are not enclosed with these documents. These are available for perusal in the Office of GE concerned and this office.
12. **ANY TENDERER, WHICH PROPOSES ALTERATIONS TO ANY OF THE CONDITION, SPECIFICATIONS LAID DOWN IN THE TENDER DOCUMENTS OR ANY NEW CONDITION, WHATSOEVER, IS LIABLE TO BE REJECTED.**

Yours faithfully,

Signature of Contractor

**AGE (Contracts)
for Accepting Officer**

INSTRUCTIONS FOR FILLING AND SUBMISSION OF TENDER

1. Refer Clause 5 & 6 at Serial Page No. 2 and Clause 7 of NIT.
2. **PERFORMANCE SECURITY**
 - 2.1 Within 28 days of receipt of the letter of Acceptance, the successful contractor shall deliver to the Accepting officer a performance security in any of the forms given below for an amount equivalent to 5% of the Contract Sum.
 - (i) A Bank Guarantee in the prescribed form.
 - (ii) Government Securities/ FDR/ Insurance Surety Bonds or any other Government instruments stipulated by the Accepting officer.
 - 2.2 If the performance security is provided by the successful contractor in the form of a Bank Gurantee/ Insurance Surety Bonds, it shall be issued by Nationalized/Scheduled Indian Bank but its confirmation shall be done only from the Head Office of the Bank.
 - 2.3 Failure of the successful contractor to comply with the requirements of clause 2.1 shall constitute sufficient grounds for cancellation of the award of work. An amount of EMD as mentioned in NIT shall be notified to the tenderer for depositing the amount through MRO. Issue of tender to such tenderers shall remain suspended till the aforesaid amount is deposited in Government Treasury.
3. **GENERAL INSTRUCTION FOR COMPLIANCE**
 - 3.1 The received only in the electronic form shall be considered. All bids shall be submitted on <https://defproc.gov.in> portal. Documents should be scanned and uploaded in 'pdf' form and 'xls' form as indicated
 - 3.2 Bids shall be uploaded on '<https://defproc.gov.in>' portal on or before the bid closing date mentioned in the tender. No tender/bid in any other electronic or physical form like email / fax / by hand/ through post shall be considered.
 - 3.3 Bid should be DIGITALLY signed using valid DSC. All pages of tender documents, corrections/ alterations shall be signed/initialed by the lowest bidder after acceptance.
 - 3.4 Drawings, if issued in physical form must be returned duly initialed by the tenderer/bidder in separate envelope indicating his name and address.
 - 3.5 The tender shall be signed, dated and witnessed at all places provided for in the documents after acceptance. All corrections shall be initialed. The Contractor shall initial every page of tender and shall sign all drawings forming part of tender. Any tenderer/bid, which proposes alterations to any of the conditions whatsoever, is liable to be rejected.

INSTRUCTIONS FOR FILLING AND SUBMISSION OF TENDER(Contd....)

- 3.6 In the technical bid, a scanned copy of Power of Attorney in favor of the person uploading the bid using his DSC shall be uploaded. In case the digital signatory himself is the sole proprietor, scanned copy of an affidavit on stamp paper of appropriate value to this effect stating that he has authority to bind the firm in all matters pertaining to contract including the Arbitration Clause, shall be attached in 'pdf' form. In case of partnership concern or a limited company, digital signatory of the bid/tender shall ensure that he is competent to bind the contractor (through partnership deed, general power of attorney or Memorandum and Articles of Association of the Company) in all the matters pertaining to the contracts with Union of India including arbitration clause. A scanned copy of the documents confirming of such authority shall be attached with the tender/bid in 'pdf' form, if not submitted earlier.
- 3.6.1 The person uploading the bid on behalf of another partner(s) or on behalf of a firm or company using his DSC shall upload with the tender/bid a scanned copy (in 'pdf' form) of Power of Attorney duly executed in his favour by such other or all of the Partner(s) or in accordance with constitution of the company in case of company, stating that he has authority to bind such other person of the firm or the Company, as the case may be, in all matters pertaining to the contract including the Arbitration Clause.
- 3.7 Even in case of Firms or Companies which have already given Power of Attorney to an individual authorizing him to sign tender in pursuance of which bids are being uploaded by such person as a routine, fresh Power of Attorney duly executed in his favour stating specifically that the said person has authority to bind such partners of the Firm, or the Company as the case may be, including the condition relating to Arbitration Clause, should be uploaded in 'pdf' form with the tender/bid; unless such authority has already been given to him by the Firm or the Company. It shall be ensured that power of attorney shall be executed in accordance with the constitution of the company as laid down in its Memorandum & Article of Association.
- 3.8 Hard copies of all above documents should be sent by the contractor to the Tender issuing authority well in advance to be received before the date & time fixed for the same.
- 3.9 Bid (Cover 1 & 2) shall be uploaded online well in time.
- 3.10 The contractor shall employ Indian Nationals after verifying their antecedents and loyalty. Attention is also drawn to special condition 3 referred hereinafter and also conditions 24 & 25 of IAFW 2249 (General Conditions of Contracts).
- 3.11 Tenders/bidders who uploaded their priced tenders/bids and are desirous of being present at the time of opening of the tenders/bids may do so at the appointed time.
- 3.12 The tenderer /bidder shall quote his rate on the BOQ file only. No alteration to the format will be accepted else the bid will be disqualified and summarily rejected.
- 3.13 In case the tenderer/ bidder have to revise / modify the rates quoted in the BOQ (excel sheet) he can do so only in the BOQ, through <https://defproc.gov.in> site only before the bid closing time and date.

INSTRUCTIONS FOR FILLING AND SUBMISSION OF TENDER (Contd..)**4. REVOCATION/REVISION OF OFFER UPWARD/OFFERING VOLUNTARY REDUCTION AFTER OPENING OF COVER 2**

Revoking the offer or revising the rates upward or offering voluntary reduction by the lowest tenderer after opening of Cover 2 shall be considered as a willful default. For this default a penalty of an amount equal to Earnest Money(as indicated in Appendix 'A' to NIT) shall be levied and an amount equal to the earnest money as mentioned above, shall be notified to the tenderer for depositing through MRO and consideration of such tenderer in tender evaluation for future works shall remain suspended till the aforementioned amount is deposited in the Government Treasury. No other disciplinary/administrative action shall be taken against such tenderers. In such a situation, the next lowest offer shall not be considered for acceptance. Instead, retendering shall be resorted to in a transparent and fair manner and the defaulting tenderer and his related firm if any, shall not be eligible for this tender in second call or subsequent calls.

5. C P M (CRITICAL PATH METHOD) :

- 5.1 The project planning for work covered in the scope of tender shall be based on CPM.
- 5.2 The tenderer/bidder is expected to be fully conversant with the CPM technique and employ technical staff who can use the technique in sufficient details. Sufficient books and other literature on the subject are widely available in the market which the tenderer/bidder may make use of.
- 5.3 The tenderer's/bidder's attention is drawn to special condition of the tender regarding preparation of the detailed network analysis and time schedule for the work and his liability for employing sufficient resources to adhere to this schedule. Any inability on the part of the tenderer/bidder in using the technique shall be taken as his technical inefficiency and shall affect his class of enlistment and future prospect/invitation to tenders for future works.
- 5.4 Department may issue amendments/errata in form of CORRIGENDUM to tender /revised BOQ to the tender documents. The tenderer/ bidder is requested to read the tender documents in conjunction with the errata/ amendments/corrigendum, if any, issued by the department.
6. The details of Accepting Officer and Officer dealing with this tender are as under :-

Name of Accepting Officer/Officers	Phone No
MajAnshul Patel GE (I) CG GOA Accepting Officer	Phone No. 0832-2951516 Email- gecggoa4-mes@gov.in
R Aruchunan AGE (Contracts)	Phone No. 0832-2951516 Email-gecggoa4-mes@gov.in

Signature of Contractor**AGE (Contracts)
for Accepting Officer**

**TO BE USED IN CONJUNCTION WITH GENERAL
CONDITIONS OF CONTRACTS (IAFW 2249)**

MILITARY ENGINEER SERVICES

**ITEM RATE TENDER AND CONTRACT FOR WORKS REQUIRED IN THE EXECUTION
OF “ADDITION ALTERATION OF ROS UNDER GE(I) CG GOA”**

A tender/ bidder who is qualified as per the eligibility criteria mentioned in the Notice Inviting Tender and has interalia sound past record is hereby authorized to tender for the above work. The tender/ bid (both cover-1 & and cover-2) shall be submitted/ uploaded on the Defence e-procurement portal latest by the date as mentioned on the website.

THE PRESIDENT OF INDIA DOES NOT BIND HIMSELF TO ACCEPT THE LOWEST OR ANYTENDER.

APPOINTMENT: AGE (Contracts)

Signature of officer issuing/ uploading the documents

SCHEDULE 'A'**NAME OF WORK: ADDITION ALTERATION OF ROS UNDER GE(I) CG GOA****NOTES:-**

1. The scope of work covered under this contract are given in Schedule 'A' (BOQ) in a separate Excel sheet.
2. The quantities shown in "Quantity" Column of the BOQ are approximate and are inserted as guide line only. These shall however not be varied beyond the limits laid down in condition 7 of IAFW-2249 (General Conditions of contracts).
3. Tenderers are required to insert unit rates in figures under "Rate" Column of the BOQ against each item of schedule 'A'. Rate in words shall be generated automatically in case of any discrepancy in any figures and words rate quoted in figures shall prevail.
4. The rates quoted for each items under "Rate" Column of the BOQ shall include for all necessary works required for the entire completion all as specified and shown on drawings.

5. **PERIOD OF COMPLETION:-**

The entire work under this contract as described in Schedule "A" along with connected services catered in General Summary/BOQ (Schedule of works) shall be completed within **06 (Six) months** from the date of commencement of work as per work order No 1 to be placed by GE.

6. The unit rate quoted by the tenderer under "Rate" Column of the (BOQ) shall be deemed to include for labour and materials complete unless specifically stated otherwise in these tender documents.
7. Unit rate quoted by the tenderers against various items of Schedule "A" shall interalia, be deemed to include minor details of construction which are obviously and fairly intended but which may not have been specifically stated in tender documents but are essential for execution and completion of work. In case of any difference of opinion between the contractor and the GE as to whether or not any items of work constitutes "minor construction details" which is deemed to have been included in the contractor's quoted prices, the decision of the Accepting Officer shall be final, conclusive and binding.

8. **MAKES OF ITEMS:-**

(a) In case Sch "A" (BoQ) items indicates makes then same shall be from any one of the makes specified therein at the option of contractor.

Contd.,

SCHEDULE `A'(CONTD)

(b) If Sch "A" (BoQ) items do not indicate makes, then makes to be incorporated in the work shall be from those listed as Appendix to Particular Specifications [B/R& E/M]. Selection shall be at the option of contractor from amongst the list. In case manufacturer of the item makes both ISI and non ISI marked items, then ISI marked item shall only be used. Please note that even if any makes are given in Particular Specifications, they shall stand superseded and only the makes given in Appendix [B/R & E/M] shall be applicable for all purposes.

(c) Materials/items for which no make have been specified, shall be ISI marked. contractor will download list of BIS marked manufacturer from BIS site www.bis.org.in and submit name of manufacturer meeting the contract specifications criteria and hand over the report with a request letter to Engineer- in-charge with his signature for approval of makes. The material shall only be procured by Contractor after approval of makes by GE concerned. In case ISI marked material/items are not manufactured then same shall conform to relevant IS amended up to date.

(d) For material/item not covered in para (a) to (c) here-in-before, the same shall be of best quality available in market and approved by GE.

(e) Contractor will intimate in writing to GE the name of make of material, brand, model No/Cat Part No, etc., which he intends to procure. GE will approve the same within 10 days of receipt of such request after due verification of documents supplied by contractor with his request letter.

9. Production of purchase vouchers and test certificates of main producers mentioned in particular specifications are mandatory for all consignments of reinforcement steel supplied by the contractor before making any payment and incorporation of steel in work. In case of structural steel, production of purchase vouchers and test certificates of main producers or secondary producers as mentioned in particular specifications are mandatory before making any payment and incorporation of steel in work.

10. **GOODS AND SERVICE TAX (GST):-**

Goods and Service Tax (GST) on works contracts shall be applicable and deducted as per the existing rules and regulations as per Govt statutory rules/provisions. All the bidders shall get themselves acquainted with the relevant provision of GST Act and enrolled for GST as per rules / regulations of the State Govt / Central Govt. Contractor's bid shall be deemed to have included GST and all other taxes, duties, cess etc prevailing at the time of Bid Submission End Date. The deduction of GST at source by the department shall be as per rules and regulation of Govt prevailing at the time of payment.

11. Labour Welfare Cess/Tax and element towards ESIC & EPF contribution shall also be applicable to this contract besides other applicable taxes/ levies as per law of land. The quoted Rates are deemed to include all these provisions.

Contd.,

SCHEDULE `A'(CONTD)

12. Total amount in “Amount” column of the BOQ is not firm. A Separate Schedule of credit has been enclosed along with this tender. The amount of schedule of credit shall be deducted from the total amount of BOQ to arrive at the “Contract Sum” referred to in IAFW – 2249
13. The bidder shall also upload the copy of Provident Fund (PF) code number for coverage of building and construction workers (BACW) in the schemes framed under Employee’s Provident Fund & Miscellaneous Provisions (EPF & MP) Act 1952 and not in possession/uploading the copy the same shall be disqualified in ‘T’ bid evaluation and financial bid shall not be opened. The quoted rates are deemed to be included EPF.
14. The bidder shall note that they will required to strictly ensure engagement of Engineers and deployment of ‘T&P’, Machinery & Transport as stipulated in the contracts. Inadequate engagement of Engineers/ deployment of T&P Machinery & Transport as per contract conditions shall be considered as serious lapse attracting ban/ removal/ downgrading / debarment of the Firm/Company.
15. **STAR RATES**
 - (a) In case of any deviation, mode of pricing shall be decided by Accepting Officer in terms of Condition 62 of IAFW-2249.
 - (b) In the event of a deviation order involving fixation of Special (Star) Rate, Draft Rate shall be prepared by GE (within a maximum period of 30 days) while initiating the proposal for deviation seeking approval of Accepting Officer and notified to contractor. While notifying the Draft Rate, it will be clearly stipulated that the same is merely an estimated rate and firm rate shall be fixed based on actual and receipt of supporting documents from contractor such as vouchers/literature of product/test certificates etc (as applicable) on completion of the work involving Star Rate. Any objection to the method of fixing Star Rate will be dealt as per Condition 7 of IAFW-2249.
 - (c) Draft Star Rate shall be made based on market enquiry through telephonic enquiry/quotations/ email/ rate lists/ internetbased sources, material &labour constants available in various civil engineering books and record available in respect of Star Rates approved in the past for similar items of work etc. Contractor may also assist GEs office in preparation of draft Star Rate.
 - (d) The Draft Star Rate shall be purely a draft rate and shall not be used for claiming final payment during execution of work. However,GE allow part payment to the tune of 80% during execution to avoid any financial hardship to contractor.

SCHEDULE `A'(CONTD)

(e) After completion of the item of work involving Star Rate, contractor shall submit the vouchers/ literature of product /test certificates (as applicable, decision of GE being final in case of any disagreement) for finalization of Star Rate. The Star Rate shall be technically checked by AGE(C) depending upon the financial effect & approved by competent authority within a period of one month from submission of the relevant documents by contractor as mentioned above.

(f) The Star Rate as approved by competent authority after technical check by AGE(C) depending upon the financial effect shall be referred to as "the rate decided by GE" under Para 62 (G) of IAFW-2249.

16. **Refer condition 70 of IAFW 2249:-**

The request for invocation of arbitration and appointment of arbitrator by either party shall be done mandatorily on MES Arbitration online platform (MIMAMSA). All proceedings related to such arbitration including submission of all documents shall be conducted on the subject platform and as per its applicable SOP. All procedural orders, interim award, final award or any other information or directions given by the arbitrator shall be published by him/ her on the platform. Publishing and uploading of final award on the platform shall satisfy the requirements of Sec 31(5) of the Arbitration and Conciliation Act 1996, purpose of calculating limitation period as per Sec 34(3) of the Arbitration and Conciliation Act 1996, the date of uploading of final award on the platform by the arbitrator shall be applicable.

17. **If makes mentioned in tender are not available or not manufactured or contractor's desired to use other makes which have been approved by E-in-C's Branch and CE Command/ ADG/ Zonal CE shall be incorporated in the work without any financial effect after approval of GE.**

18. **DEFECTS LIABILITY PERIOD FOR THIS WORK SHALL BE 24 (TWENTY FOUR) MONTHS FROM THE CERTIFIED DATE OF COMPLETION ISSUED BY GE.**

Signature of Contractor

AGE (Contracts)
For Accepting Officer

SCHEDULE OF CREDIT**NAME OF WORK: ADDITION ALTERATION OF ROS UNDER GE(I) CG GOA**

1. The credit rate and value of old materials obtained from dismantling have been assessed by the department and have been indicated in column 5 & 6 respectively. The assessed credit rates of materials shall be taken as firm and the contractor shall not have any claim whatsoever against the Govt if the actual rate of dismantled materials turns out to be different from the rates inserted by the department.
2. Quantities of dismantled materials given in column 4 are approximate and not firm and have been given as a rough guide only. Actual quantities obtained from dismantling at site of work shall be measured in measurement book and abstracted for arriving at the actual credit value.
3. The contractor shall be allowed to remove the dismantled materials only after realisation of the full credit value of the materials by the department. The decision of the Garrison Engineer in this connection shall be final and binding.

SCHEDULE OF CREDIT

SI No	Description of materials	Unit	Qty	Rate (Rs)	Amount (Rs)
1	2	3	4	5	6
1	Old unserviceable brick work	CUBIC METRE	18.00	500.00	9000.00
2	Old unserviceable chowkats or frames exceeding 1.5 sqm each but not exceeding 4 sqm each with shutters (without taking off shutters from the frame)	EACH	2.00	200.00	400.00
3	Old unserviceable chowkats or frames not exceeding 1.5 sqm each with shutters (without taking off shutters from the frame)	EACH	4.00	100.00	400.00
	Total amount of schedule of credit				9800.00

SCHEDULE `B`**ISSUE OF MATERIALS TO THE CONTRACTOR**
(See Condition 10 of IAFW - 2249)

Ser No	Qty	Particulars	Rate per unit per working Day	Place of Issue (By Name)	Remarks
1	2	3	4	5	6

NIL

SCHEDULE `C`**ISSUE OF TOOLS AND PLANTS (OTHER THAN TRANSPORT)**
WHICH WILL BE HIRED TO THE CONTRACTOR
(See Condition 15, 34 & 35 of IAFW - 2249)

Ser No	Particulars	Rate at which materials will be issued to the contractor		Place	Remarks
		Unit	Rate		
1	2	3	4	5	6

NIL

SCHEDULE `D`**TRANSPORT TO BE HIRED TO THE CONTRACTOR**
(See Condition 16 and 34 of IAFW - 2249)

Ser No	Particulars	Rate at which materials will be issued to the contractor		Place	Remarks
		Unit	Rate		
1	2	3	4	5	6

NIL

Signature of Contractor

AGE [Contracts]
for Accepting Officer

TENDER

To

THE PRESIDENT OF INDIA

Having examined and perused the following documents:-

1. Specifications signed by AGE (Contracts).
2. Drawings detailed in the Particular Specifications.
3. Schedules 'A', 'B', 'C' and 'D' attached thereto.
4. MES Standard Schedule of Rates **2009 Part - I** Specifications and MES Standard Schedule of Rates **2020 Part - II** Rates (here-in- after and in IAFW-2249 referred to as the MES Schedule) together with amendments 1 to 3 for Part - I and amendments 1 to 122 for Part –IIas applicable.
5. General Conditions of Contract IAFW-2249 (1989) together with Amendment Nos**01 to 49** and Errata 01 to 20.
6. Water will NOT be supplied by MES.
7. SHOULD THIS TENDER ACCEPTED, I/WE AGREE:-

(a) A sum of ₹..... which equals to 5% of the Contract Sum for the Performance Security is hereby forwarded in the prescribed form as per Condition 19 of IAFW-2249. If I/we fail to furnish the prescribed performance guarantee within prescribed period, I/we agree that the said President of India or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely.

(b) To execute all the work referred to in the said documents upon the terms and conditions contained or referred to therein and as detailed in the General Summary and to carry out such deviations as may be ordered vide Condition 7 of IAFW-2249 up to a maximum of **10 (TEN) percent** and further agree to refer all disputes as required by Condition 70 to the Sole Arbitration of a serving officer having degree in Engineering or equivalent or having passed final/direct final examination of subdivision II of Institution of Surveyor (India) recognized by Government of India to be appointed by the HQ Chief Engineer (CG) Goa or in his absence, the officer officiating as HQ Chief Engineer (CG) Goa if specifically delegated in writing by HQ Chief Engineer (CG) Goa whose decisions shall be final, conclusive and binding.

***TO BE DELETED WHERE NOT APPLICABLE.

SIGNATURE _____ in the capacity of
_____ duly authorised to sign the tender for and
on behalf of _____

(NAME IN BLOCK CAPITAL LETTERS)

Date _____

Witness :

Postal Address:

Address :

Tele No. :

ACCEPTANCE

_____ Alterations have been made in this document and as evidence that these alterations were made before the execution of the Contract Agreement, they have been initialled by the contractor and ShriR Aruchunan, AE(QS&C), AGE (Contracts).The said officer(s) is hereby authorised to sign and initial on my behalf all documents forming part of this contract.

The above tender is accepted by me on behalf of the President of India at the item rate quoted by the Contractor in Schedule `A' for the Contract sum of Rs. _____ (Rupees _____ only) on _____ day of _____ 2026.

Maj Anshul Patel
Accepting Officer
GE (I) CG GOA
(For and on behalf of the President of India)

Date:

GENERAL CONDITIONS OF CONTRACTS
(IAFW – 2249)1989 PRINT

FOR

*** LUMPSUM CONTRACT (IAFW - 2159)**

*** MEASUREMENT CONTRACTS (IAFW - 1779 AND 1779 A)**

1. A copy of the GENERAL CONDITIONS OF CONTRACTS (IAFW - 2249) - 1989 print) with errata 1 to 20 and amendments No **1 to 49** has been supplied to me/us and is in my/our possession. I/WE have read and understood the provisions contained in the aforesaid GENERAL CONDITIONS OF CONTRACTS before submission of this tender and I/WE agree that I/WE shall abide by the terms and conditions thereof, as modified, if any, elsewhere in these tender documents.

2. It is hereby further agreed and declared by me/us, that the GENERAL CONDITIONS OF CONTRACTS (IAFW - 2249-1989 Print) including Condition 70 thereof pertaining to settlement of disputes by Arbitration, containing 42 pages, with errata 1 to 20 and Amendment Nos. **1 to 49** form part of these tender documents.

*Delete whichever is not applicable.

AGE (Contracts)
For Accepting Officer

Signature of Contractor
Date:

SCHEDULE OF MINIMUM WAGES PAYABLE
BY CONTRACTORS UNDER FAIR WAGES

(See Condition 58 of IAFW - 2249)

1. Schedule of Minimum fair wages is not enclosed along with tender but the contractor is deemed to have full knowledge regarding the minimum wages payable to labourers as legally effective on the date of submission of tender and his tendered rates shall be deemed to have been based on this (For the purpose of reimbursement of price variation for wage escalation of labour the minimum wages legally effective on the date of receipt of tender shall be the basis). The minimum wages legally effective referred to above are the minimum wages notified in the State/Central Gazette governed by any local regulation whichever is higher.
2. My/Our signature here under amounts to my/our having signed the aforesaid documents forming part of this tender

Signature of Contractor
Date:

AGE(Contracts)
ForAccepting Officer

SPECIAL CONDITIONS**1. GENERAL**

- 1.1 The following special conditions shall be read in conjunction with the General Conditions of Contract (IAFW-2249) and IAFW-2159(Rev 1947) including amendments thereto. If any provision in these special conditions is at variance with that of the aforesaid documents, the former shall be deemed to take precedence there over.

2. INSPECTION OF SITE

- 2.1 For the purpose of inspection of site, the tenderers are advised to contact the GE concerned who will give reasonable facilities therefore. The tenderer shall also make himself familiar with the working conditions accessibility to site of works, availability of labour and materials and such other relevant conditions which may effect the execution and the entire completion of the work.

3. SECURITY AND PASSES

- 3.1 Contractor's attention is invited to Conditions 25 of IAFW-2249. He shall employ only Indian Nationals after verifying their antecedents and loyalty. The contractor shall on demand the Engineer-in-Charge submit, list of his agents, employees and work people concerned and shall satisfy the EIC as the bonafides of such people.
- 3.2 The Engineer-in-Charge shall at his discretion have the right to Issue passes to control the admission of the contractor, his agents, and servants and work people to the site of work if the contractor puts up his workshop in the defence area and at the place where articles of furniture are required to be delivered. The contractor shall on demand by the EIC submit a list of personnel etc, concerned and shall satisfy the EIC, as to the bonafides of such people. Passes shall be returned at any time on demand by the EIC and in any case on completion of work.
- 3.3 The contractor and his agents, employees and work people shall be observed all the rules promulgated by the authority controlling the installation/area in which is to be carried out eg prohibition of smoking and lighting, fire precautions search of persons on entry and exit keeping to specific routes, observing specified timing etc. Nothing extra shall be admissible for any man hours etc lost on this account.

4. MATERIALS AND SAMPLES

- 4.1 Materials provided by the contractor for incorporation in the work shall unless otherwise specified in the particular specification comply with the requirements of the latest relevant Indian Standard(IS) as specified in the MES Schedule Part-I.
- 4.2 The contractor shall produce samples of all materials, articles fittings, accessories etc that he propose to use and get it approved in writing by the GE before incorporating in the work. The materials articles etc, as approved shall be labelled as such and shall be signed by the GE and contractor representative. The samples shall be kept in the custody of the EIC till payment of final bill. However, samples fittings/fixtures costing more than Rs 100/- will be allowed for incorporation in the buildings at the final stage.

Contd.../-

SPECIAL CONDITIONS (CONTD)

4.3 If materials in metric sizes shown on drawings are not available the contractor shall provide materials of equivalent sizes which shall not be less than the metric size/dimensions under any circumstances, at no extra cost to the Govt.

4.4 **FITTINGS AND FIXTURES IN BUILDING.**

(a) A list of fittings and fixtures carrying BIS(Bureau of Indian Standards) certification marks is attached as Appendix 'A' to Special Conditions. Fittings and fixtures bearing IS certification marks shown in the list only shall invariably be incorporated in the works.

(b) A list of fittings and fixtures as per Appx 'B' gives those items which are generally of superior quality to IS certified products and the same shall be incorporated in the works.

(c) If due to market fluctuations, any of these fittings/ fixtures referred in Sub para (a) and (b) above are not readily available in the market the Accepting Officer may authorise usage of fittings/fixtures of best quality readily available subject to necessary price adjustment.

4.5 **DISPLAY OF SAMPLES AT WORK SITE.**

4.5.1. Samples of all fittings and fixtures, which are to be incorporated in the work shall be kept in display by the contractor at work site in the custody of EIC within three months of date of acceptance of contract at each site for all projects. These samples shall be approved by the GE based on the samples approved by Zonal Chief Engineer and kept in Zonal Sample display room.

5. **PROPRIETARY BRANDED MATERIALS**

5.1 Proprietary branded materials such as Paint, OBD, bitumen, water proofing compound etc quantity of which cannot be checked after incorporation in the work, shall when collected at site, be recorded in Measurement Book and signed both the MES representative and the Contractor as a check to ensure that the required quantity has been brought at site for incorporation in the work.

5.2 The contractor shall obtain proprietary branded materials from manufacturers direct or from authorised stockists where such authorised stockists have been approved. The contractor shall produce original receipt vouchers/invoices of supplies to the GE. If called upon by the later to do so to ensure that the contractor has actually brought the required quantity and the quality of the materials from the authorised dealer/manufacturers and also to find out the rates thereof. Those vouchers shall be endorsed dated and initialled by the EIC giving the contract No and name of work and a certified copy of each vouchers signed by the EIC and the contractor shall kept on MES record.

5.3 When the cost of each category of materials other than those referred condition 17 herein after is less than Rs 500/- production of vouchers may not be insisted upon, if the GE is otherwise satisfied with the quality of materials.

Contd.../-

SPECIAL CONDITIONS (CONTD)**6. NET WORK ANALYSIS**

- 6.1 The time and progress chart to be prepared as per condition 11 of IAFW-2249 (General Conditions of Contracts) shall consist of detailed net work analysis and a time Schedule. The critical path net work will be drawn jointly by the GE and the contractor soon after acceptance of the tender. The time Schedule of the activities will be done by the contractor so as to finish the work within the stipulated time. On completion of the time schedule, firm calendar date Schedule will be prepared and submitted by the contractor to the GE who will approved it after due scrutiny. The Schedule will be submitted in four copies within two weeks from the date of handing over the site.
- 6.2 During the currency of the work, the contractor is expected to adhere to the time schedule and this adherence will be part of contractor's performance under contract. During the execution of the work the contractor is expected to participate in the review and updating of the net work under taken by the GE. The review may be undertaken at the discretion of the GE, either as periodical appraisal measure or when the quantum of work ordered on contractor is substantially changed through deviation orders amendments. Any revision of the time schedule as a result of the review will be submitted by the contractor to the GE within a week for his approval after due scrutiny. The contractor shall adhere to the revised time schedule thereafter. In case of contractor not agreeing to the revised schedule the same will be referred to the Accepting Officer whose decision shall be final conclusive and binding, GE's approval to the revised schedule resulting in a completion date beyond the stipulated date of completion shall not automatically amount to grant of extension of time. Extension of time shall be considered and decided by the appropriate authority mentioned in Condition 11 of IAFW-2249 and separately regulated.
- 6.3 Contractor is expected to mobilise and employ sufficient resources to achieve the detailed schedule within the broad frame work of the accepted methods of working and safety.
- 6.4 No additional payment will be made to the contractor for any multiple shifts or other incentive method completed by him in his work schedule even though the time schedule is approved by the department.

7. SECURITY OF CLASSIFIED DOCUMENTS

- 7.1 Contractor's special attention is drawn to Conditions 2A and 3 of General Conditions of Contracts IAFW-2249. The contractor shall not communicate any classified information regarding the works, either to sub-contractor or others without prior approval of the EIC. The contractor shall not make copies of the design drawings and other documents furnished to him in respect of works and he shall return all documents on completion of the work or the earlier determination of the contract. The contractor shall along with final bill, attach receipt from the EIC in respect of his having returned classified documents as per Condition 3 of General Conditions of Contracts.

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SPECIAL CONDITIONS (CONTD)**8. CONTRACTOR'S REPRESENTATIVES, AGENTS AND WORKMEN**

8.1 The contractor shall employ only Indian Nationals as his representatives, servants, workmen and verify their antecedents and loyalty before employing them for the works. He shall ensure that no person of doubtful antecedents and nationality is in any way associated with the works. If for reasons of technical collaboration or other consideration, the employment of any foreign national is unavoidable, the contractor shall furnish full particulars to the effect to the Accepting Officer at the time of submission of his tender. The GE shall have the powers and without giving any reasons to the contractor order to cease to employ in connection with this contract any representatives, agents, servants and workman or employees whose continued employment in his opinion is undesirable. The contractor shall not be allowed any compensation on this account.

9. MINIMUM FAIR WAGES PAYABLE TO LABOUR

9.1 The contractor shall have no claim whatsoever, if for reasons other than those mentioned in condition regarding reimbursement/ refund on variation in prices/wages of labour specified herein-after required paying wages in excess of the Minimum Fair Wages shown in Schedule of Minimum Fair Wages under Condition 58 of IAFW-2249.

10. ROYALTIES

10.1 Delete the existing Condition 14 of IAFW-2249 and insert the following:-
"No quarries on defence land are available".

11. WATER

11.1 Water will not be supplied by MES. The Contractor will make his own arrangement for water without any extra cost to the state.

11.2 Water used in the work shall be clean fresh potable and non-saline. In case the GE is not satisfied with the quality of water the same will be got tested under own arrangements by the contractor without any extra cost to the Government Shall conform to the requirement stipulated in IS-456 and as per clause 4.9 of MES Part-I.

12. ELECTRIC SUPPLY

12.1 **ELECTRIC SUPPLY:** In case the contractor desires to buy electricity from the MES, he shall be charged for the electric energy consumed at the following rates:

- (i) At Rs. 16.59 per unit for lighting purpose
- (ii) At Rs. 16.59 per unit for power purpose

12.2 Electric supply required for works upto maximum of 10 KVA shall be made available by the MES at the incoming terminal of the main switch on the site plan/ decided by the GE. The main switch and KWH meters to register to electric energy supplied shall be provided and installed by the MES. The contractor shall provide all necessary cables, fittings, etc. from the main switch in order to ensure a proper and suitable supply of electricity for the execution of work.

Contd.../-

SPECIAL CONDITIONS (CONTD)

12.3 The MES does not guarantee for continuity of supply and no compensation what so ever shall be allowed for supply becoming intermittent or for breakdown in the system.

12.4 GE or his representative shall be free to inspect all the power consuming devices or any electric line provided by the contractor. Any device or electric line provided by the contractor, which is not to the satisfaction of the GE shall be discontinued from the supply if so desired by him.

13. PERIOD FOR KEEPING THE TENDER OPEN

13.1 The tender shall remain open for acceptance for period of 60 days from the due date of receipt of tenders.

14. CO-OPERATION WITH OTHER AGENCIES

14.1 The contractors shall permit free access and generally afford reasonable facilities to other agencies or departmental workmen engaged by Govt to carryout their part of the work if any under separate arrangements.

14.2 The contractors prices shall be deemed to cater for all the above contingencies and nothing extra shall be admissible on this account.

15. RECORD OF CONSUMPTION OF CEMENT

15.1 For the purpose of keeping a record of cement brought at site and consumed in works, the contractor shall maintain a pucca bound register on the form approved by the EIC showing daily quantity used in works and the balance in hand. The register shall be signed daily by the contractor's representative and the EIC in token of their verification of its correctness. The check will not, however, absolve the contractor of his responsibility to justify the consumption of cement, at the time of finalisation of his accounts.

15.2 The register shall be kept at site in the safe custody of the contractor during progress of work and he shall on demand produce the same for verification on inspecting officers on completion of works, the register shall be handed over to the EIC record with MES.

16. LAND

Contractor will be allotted for land near building site for the following:-

(a) Storage of materials (including temporary sheds if available).

(b) Fabricating workshop

No land will be allotted for labour camp. A nominal rent of Re 1/- per year or part of year will be charged from the contractor for each separate area of land allotted to him.

Contd.../-

SPECIAL CONDITIONS (CONTD)**17. RECORD OF MATERIALS AND PURCHASE VOUCHERS:**

- 17.1 Materials brought to site shall be stored as directed by the Engineer-in-Charge and those already recorded in Measurement Book shall be suitably marked for identification.
- 17.2 The contractor shall, on demand produce to the GE original receipted vouchers / invoices in respect of the supplies. The vouchers/invoices so produced and verified shall be defaced and stamped by Engineer-in-Charge indicating contract number, name of work under his dated signature. The contractor shall ensure that the materials are brought to site, in original sealed container/packing; bearing manufacturer's marking except in the case of the requirement of materials being less than smallest packing.
- 17.3 Contractor shall produce original vouchers from the manufacturers and/or their authorized agents for the full quantity of the proprietary brand of items, as applicable as a prerequisite before submitting for payment for any advances on account of the work done/ or materials collected in accordance with condition 64 of General Conditions of Contracts IAFW-2249.
- 17.4 The vouchers/ invoices will clearly indicate the contract No. and IS No., specific alternative to which the material conforms in case of various alternative in IS.

18. TESTING OF BUILDING MATERIALS

- 18.1 Test for building materials shall be conducted as per IS requirement as directed by the GE. The contractor shall provide necessary samples; make adequate arrangements for transportation and testing of the same. Testing charges shall be paid by the contractor as per the rate indicated in Annexure 'A' to the special conditions for the tests carried in MES lab. The other test for which the facility is not available in MES lab shall be got carried out by the contractor in approved laboratory and the testing charges shall be borne by the contractor as provided in condition 10 A of IAFW-2249 General conditions of contracts.
- 18.2 In case the site lab is not established by Department, the test for the materials where indicated against site lab shall be conducted in Zonal lab. The recovery charges for the same shall be indicated for site lab. All expenses like transportation to zonal lab for conducting such test at zonal lab shall be borne by the contractor and no extra charges to this account shall be entertained.
- 18.3 Testing charges for level 'C' test if carried out in Govt institutions other than specified shall be borne by the contractor. If the final testing charges are more than the charges indicated in tender, the extra over level 'C' charges shall not be reimbursed to contractor. In case the charges paid less than the charges indicated against level 'C' charge, the difference on rate shall be recovered from the contractor.

19. CONSTRUCTION LABOUR WELFARE TAX

- 19.1 Consequent upon promulgation of ordinance by the President of India, contractor shall be liable to pay an element for construction labour welfare tax, if any and quoted rates shall be deemed to be inclusive of this element and no extra payment shall be admissible to the contractor on this account.

Contd.../-

SPECIAL CONDITIONS (CONTD)20. CONDITIONS OF WORKING

20.1 The entire work covered under this contract lies in RESTRICTED AREA. The entire work covered under this contract lies in RESTRICTED AREA. However through search at all persons and transport may be conducted by army personal of any time any number of times at work site (s) for security reasons. Security precautions /regulations in force in the Unit are to be adhered to working during night time is not permitted.

20.2 WORK ON HOLIDAYS

20.2.1 The Contractor shall not carry out any work on gazette holidays, weekly holidays and other non-working days except when he is specifically authorized in writing to do so by the GE. The GEMay at his sole discretion declare any day as holiday or non-working days without assigning any reason for such declaration.

20.3 FIRE PRECAUTIONS

20.3.1 The Contractor, his agents, representatives, workmen etc., shall strictly observe the orders pertaining to fire precautions prevailing within the restricted area.

20.3.2 Motor transport vehicles, if any allowed by authorities to enter the restricted area, must be fitted with serviceable fire extinguishers.

20.4 **Refer condition 70 of IAFW 2249:-**

The request for invocation of arbitration and appointment of arbitrator by either party shall be done mandatorily on MES Arbitration online platform (MIMAMSA). All proceedings related to such arbitration including submission of all documents shall be conducted on the subject platform and as per its applicable SOP. All procedural orders, interim award, final award or any other information or directions given by the arbitrator shall be published by him/ her on the platform. Publishing and uploading of final award on the platform shall satisfy the requirements of Sec 31(5) of the Arbitration and Conciliation Act 1996, purpose of calculating limitation period as per Sec 34(3) of the Arbitration and Conciliation Act 1996, the date of uploading of final award on the platform by the arbitrator shall be applicable.

21. RE-IMBURSEMENT / REFUND ON VARIATION IN TAXES DIRECTLY RELATED TO CONTRACT VALUE

(a) The rates quoted by the contractor shall be deemed to be inclusive of all taxes [including Sales tax/VAT on materials, Sales tax/ VAT on works contracts, Turnover Tax, Service Tax, Labour welfare cess/ tax etc], duties, royalties, Octroi and other levies payable under the respective statutes. No re-imbursalment / refund for variation in rates of taxes, duties, royalties, octroi and other levies, and / or imposition / abolition of any new / existing taxes, duties, royalties, octroi& other levies shall be made except as provided in sub para [b] her in below.

Contd.../-

SPECIAL CONDITIONS (CONTD)

(b) The taxes which are levied by the Govt at certain percentage rates of Contract sum/ Amount shall be termed as “taxes directly related to Contract value” such as Sales tax / VAT on works contracts, Turnover tax, Labour welfare cess/ tax and the like but excluding Income tax. The tendered rates shall be deemed to be inclusive of all “taxes related to Contract value “with percentage rates as prevailing on the last due date for receipt of tenders. Any increase in percentage rates of “taxes directly related to Contract value” with reference to prevailing rates on last due date for receipt of tenders shall be reimbursed to the Contractor and any decrease in percentage rates of “taxes directly related to Contract value” with reference to prevailing rates on last due date for receipt of tenders shall be refunded by the Contractor to the Govt/deducted by the Govt from any payments due to the contractor. Similarly imposition of any new “taxes directly related to Contract value” after the last due date for receipt of tenders shall be reimbursed to the Contractor and abolition of any “taxes directly related to Contract value” prevailing on last due date for receipt of tenders shall be refunded by the Contractor to the Govt/deducted by the Govt from the payments due to the Contractor. contractor shall, within a reasonable time of his becoming aware of variation in percentage rates and/or imposition of any further “taxes directly related to Contract value”, give written notice thereof to the GE stating that the same is given pursuant to this Special Condition, together with all information relating thereto which he may be in a position to supply. The Contractors shall submit the other documentary proof/information as the GE may require. The contractor shall, for the purpose of this condition keep such books of account and other documents as are necessary and shall allow inspection of the same by a duly authorized representative of Govt, and shall further, at the request of the GE furnish, verified in such a manner as the GE may require, any documents so kept and such other information as the GE may require.

(c) Reimbursement for increase in percentage rates/imposition of “taxes directly related to Contract value” shall be made only if the contractor necessarily and properly pays additional “taxes directly related to Contract value” to the Govt, without getting the same adjusted against any other tax liability or without getting the same refunded from the concerned Govt Authority and submits documentary proof for the same as the GE may require.

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SPECIAL CONDITIONS (CONTD)**22. BUILDING & OTHER CONSTRUCTION WORKERS WELFARE CESS ETC.**

22.1 The quoted rates shall be deemed to be inclusive of the building and other construction workers welfare cess. The cess at the rate as prescribed by the state Govt/ Building and other construction welfare board shall be deducted at source and no extra payment shall be admissible to the contractor on this account.

23 TOOLS, PLANTS, MACHINERY & TRANSPORT

23.1 Minimum Tools & plants shall be deployed by contractor at site as directed by GE for the execution and timely completion of this work.

(i) EXPRESS CONDITION : When ever equipment/ T&P listed above is not required for execution of work for considerable time, Contractor can take away the equipment/T&P for using at any other work seeking permission of GE in writing. GE shall permit the same when that equipment/T&P is required at site for a considerable time. This is an express condition of the contract that no compensation for idling/under utilization of equipment/T&P shall be claimed by the contractor during the contract period and extended time for completion of work. No such claim shall be admissible/payable under the contract.

(ii) Contractor shall also arrange for any additional T&P and any other Machinery required during execution of work without any extra cost to the Govt so as to ensure smooth and quality work including timely completion of the work. The contractor shall also make suitable arrangement to ensure uninterrupted execution of work in case of failure/break down of any T&P. T&P deployed by contractor shall preferably be less than 5 years old and shall be in healthy workable conditions.

(iii) For procuring & mobilizing T&P, no payment shall be allowed to contractor. However, advance on account for materials procured shall only be allowed in terms of contract conditions provided material is approved for incorporation in the work. The contractor shall make his own arrangement for safety and security of T&P and material brought at site.

(iv) The work will be measured and executed using mechanical means using T&P as far as possible to ensure uniform quality throughout the work. The list of T&P given above is not exhaustive and it shall be ensured by the contractor to minimize the use of human activity in the execution of the work.

(v) T&P mentioned above shall be used optimally during execution. GE reserves the right to stop the work for non utilization/ availability of abovementioned T&P in the work for any reason what-so-ever. Any part of the work executed manually without approval is liable to be rejected.

Signature of Contractor
Date:

AGE (Contracts)
for Accepting Officer

SPECIAL CONDITIONS (CONTD...)MATERIAL AND THEIR TESTSAppx "A" to Special Condition 17

Srl No.	Materials	Test	Method of testing	Frequency of tests	Level of test	Rate per test Rs.Ps.	Remarks
1	2	3	4	5	6	7	8
1	Bricks	(i) Compressive strength	IS-3495 (Part-II)	As per IS-5454 as given under:	A	330/-	Checks for visual and dimensional characteristics shall also be carried out as per IS-5454.
		(ii) Water absorption	IS-3495 (Part-II)		A	330/-	
		(iii) Efflorescence	IS-3495 (Part-I)		A	330/-	
2	Coarse aggregate	(i) Sieve Analysis	IS-2386 (Part-I)	One test for every 15 Cum of aggregates or part thereof brought to site.	A	660/-	EGEND: A – Site Lab B – Zonal Lab C – National test house/SEMT wing, Pune/Engg. College
		(ii) Flakiness Index	IS-2386 (Part-I)	-do-	A	250/-	
		(iii) Estimation of deleterious material	IS-2386 (Part-I)	One test for every 100 Cum of aggregates or part thereof brought to site.	A	600/-	
		(iv) Organic impurities	IS-2386 (Part-I)	One test for source of supply	C	275/-	
		(v) Moisture Content	IS-2386 (Part-II)	Regularly as required	A	330/-	

SPECIAL CONDITIONS(CONTD...)

1	2	3	4	5	6	7	8
		(vi) Specific Gravity	IS-2386 (Part-II)	One test for each source of supply	B	330/-	
3	Fine aggregate	(i) Sieve analysis	IS-2386 (Part-I)	One test for every 15 Cum of aggregates	A	660/-	
		(ii) Test for clay, silt and impurities	IS-2386 (Part-I)	-do-	A	500/-	
		(iii) Specific gravity	IS-2386 (Part-II)	One for each source of supply	B	330/-	
		(iv) Moisture content	IS-2386 (Part-II)	Regularly as required subject to 2 tests per day when being	A	330/-	
		(v) Test for organic impurities	IS-2386 (Part-II)	One test for each source of supply.	C	2750/-	
4	PCC Solid block for walling	(i) Compressive Strength	IS-2185	12 blocks out of 18	A	900/-	Sample: 20 blocks from consignment of every 5000 blocks or part
		(ii) Water absorption	-do-	03 blocks out of 18		330/-	
		(iii) Density	-do-	03 blocks out of 18		330/-	

SPECIAL CONDITIONS(CONTD...)

1	2	3	4	5	6	7	8
5	Water for construction purposes	(i) Test for acidity	IS-456 & 3015	One at the stage of approval of source of water.	B	240/-	Also refer clause 5.4 of IS-456 and its subsequent sub clauses
		(ii) Test for alkalinity	-do-		B	240/-	
		(iii) Test for Total dissolved solids (TDSD) content	-do-		C	300/-	
6	Cement	(i) Setting time	IS 4031-63 Reaffirmed 1980	Once for each consignment or as and when required	B	500/-	
		(ii) Soundness		Once for each consignment or as and when required	B	550/-	
		(iii) Compressive strength		Once for each consignment or as and when required	B	550/-	
		(iv) Fineness		Once for each consignment or as and when required	B	275/-	

MATERIALS TESTING & TESTING CHARGES
NOTES TO APPENDIX 'A'

1. The materials listed hereinbefore shall be tested as per the frequency indicated therein, expenses of these shall be borne by the contractor.
2. Level of testing shown in Legend as A,B and C are defined as under:-

Level 'A'

'Site Lab' means own site lab established by contractor at the work site for such tests. This lab shall house all the facilities including T&P, machinery, equipment, manpower etc. required for conducting tests. This lab shall be operative for the entire duration of the contract till its completion. Tests shall be carried out in the presence of Engineer-in-Charge to be nominated by the GE. Random check of compliance of frequency of testing shall be done by GE.

- (a) Setting up site laboratory is mandatory for works costing Rs. 100 lakhs and above. The contractor may his option set up site laboratory for works costing less than Rs 100 lakhs.
- (b) Records shall be maintained at work site. These test results shall be signed by contractor or his authorised representative and aforesaid departmental official.
- (c) Within 15 days of placement of work order No 1 site lab shall be established and fact reported by the contractor to GE in writing who will verify the fact and satisfy himself of the facilities provided. There after GE shall issue a certificate to this effect in writing listing out equipment particulars etc., of each material test. Only after issue of this certificate by GE the tests shall be carried out and materials so approved shall be incorporated in the work.
- (d) Manpower, material and infrastructure like electricity, water etc. required for conducting these tests shall be provided by the contractor.
- (e) Tender is deemed to cater for above provisions in his quoted lump sum.
- (f) Remedial measures, if any, required to achieve/obtain desired results for each test shall be taken promptly by contractor.
- (g) In case during any point of time contractor fails to adhere to the laid down frequency of the tests for any reasons whatsoever the contractor shall get the tests done from any other lab whose name shall be approved by GE in writing. The testing charges payable by contractor to such labs shall be paid by the contractor. Contractor's quoted lump sum is deemed to include for this eventuality and nothing extra shall be payable to the contractor. No extension of time shall be admissible on this account.

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MATERIALS TESTING & TESTING CHARGES
NOTES TO APPENDIX 'A' (Contd..)

(h) However, in case GE in his opinion considers that contractor is purposely not adhering to the laid down frequencies of the tests, he shall reserve the right to deduct panel recovery which shall be double the rates of tests indicated in Annexure 'A'. However besides affecting panel recovery for non-compliance of contractual testing frequency, for adhering to quality control norms of testing, simultaneously GE will get tests done from zonal lab as per laid down frequency and necessary testing charges given against level 'A' shall be recovered from running bills. In case facilities are not available to conduct tests in Zonal lab, then GE will get them tested from any other source and necessary testing charges paid by GE shall be detailed to the running payments. GE's decision shall be final and binding on recoveries.

Level 'B'

(a) "Zonal Lab" means lab of CE (CG) Goa

(b) The test shall be conducted as per frequencies laid down for these tests in these lab for which Contractor shall provide all requisite facilities like samples, cubes, material etc, transportation to these labs for testing purposes. It will be Contractor's responsibility to adhere to the laid down frequency of testing. Test results shall be sent by lab to the GE whose copies can be made by Contractor at his own expense. Testing charges for the tests so conducted shall be recovered at the rates indicated in Annexure 'A' from the running payments. The contractors quoted lump sum is deemed to include for above provision.

(c) Provision of para (h) above of Level 'A' shall be applicable to Level 'B' also.

Level 'C'

(a) Level 'C' lab stands for National Test House/SEMT Wing, Pune located in CME Pune/Local Government Engineering College, IIT Chennai or any other Govt approved laboratory.

(b) Rest provisions contained in para (b) of Level 'B' above shall be applicable here except that contractor shall obtain test results from these labs and handover to GE. The testing charges payable to these labs for conducting these tests shall be borne by the contractor and his quoted lump sum is deemed to include this provision.

Signature of Contractor
Date:

AGE (Contracts)
for Accepting Officer

PARTICULAR SPECIFICATIONS**NAME OF WORK: ADDITION ALTERATION OF ROS UNDER GE(I) CG GOA****1 SCOPE OF WORK**

1.1 This contract includes for the full, final and entire completion of works described in BOQ and Particular specifications forming part of the contract.

1.2 MES SCHEDULE

1.2.1 General rules, specification for materials and workmanship preambles and special conditions in MES schedule Part II 2020 shall apply to the works under this contract, where the provisions in the particular specifications of the MES schedule, the particular specification shall take precedence. The term 'General Specification' referred in the tender documents shall mean the specification contained in the MES Standard Schedule of Rates-2009.

1.3 ACCEPTANCE OF MATERIALS

1.3.1 The order of precedence for acceptance of materials shall be as under:-

- (a) Materials with ISI markings.
- (b) In case of non manufacture of ISI marked materials, materials conforming to relevant ISI.
- (c) In case of non availability of materials at (a) & (b) above, the best available materials in the market as defined in clause 1.3 (b) of SSR 2009 Part-I and approved by the GE.

2 CONCRETE**2.1 CEMENT**

2.1.1 GENERAL. Cement required for the work under the contract shall be procured, supplied and incorporated in the works by the contractor under his own arrangements. Cement shall be of tested quality and shall comply with the requirements mentioned in the drawings, SSR, IS specifications as amended and particular specifications given hereinafter.

2.1.2 Types of cement for the subject work shall be Ordinary Portland Cement grade 43 (forty three) in accordance with IS 8112-1989 (or) Portland Pozzolona Cement as per IS 1489-1991 (Part I). However, while using Portland Pozzolona Cement (PPC), the following conditions shall be met:-

- (a) Strength criteria for PPC cement will be as per IS-8112-1989.
- (b) Stripping time shall be as per clause 11.6.3 of SSR Part I 2009,
- (c) Both OPC and PPC shall not be permitted for use in the same building except for plaster and mortar.
- (d) Mandatory certificates of testing and quality assurance continue to be submitted as hither-to-fore, with fly ash content as per IS 1489-1991- Pt-1.
- (e) The contractor shall give an undertaking that he shall not claim anything extra whatsoever on account of extra time for stripping formwork etc., while using PPC in lieu of OPC.

PARTICULAR SPECIFICATIONS**2.2 SOURCES OF PROCUREMENT**

2.2.1 Cement shall be procured by the contractor from any of the following producers/manufacturers:-

APPROVED CEMENT MANUFACTURERS FOR MES WKS ON PAN INDIA LEVEL		
SI No	Company Name / BRAND	Type of Cement
1	The Associated Cement Companies Ltd Brand : "ACC"	All
2	M/s Ultra Tech Cement Ltd Brand : " ULTRATECH "	All
3	The India Cement	All
4	M/s Dalmia Cement (Bharat) Ltd Brand : "DALMIA INFRA PRO"	All
5	Century Cements Brand : "CENTURY"	All
6	Saurashtra Cement Brand : "SAURASHTRA"	All
7	The Ramco Cement Ltd (Formerly Mardras Cement) Brand: "RAMCO"	All
8	Mangalam Cement Ltd Brand : "MANGALAM"	All
9	Birla Corporation Ltd Brand : "BIRLA"	All
10	Orient Cement Brand : "BIRLA-A1"	All
11	M/s Nuvoco Vistas Corporation Ltd (Formerly Lafarge Cement) Brand: "NUVOCO"	All
12	Shree Cement Brand : "SHREE"	All
13	JK Cement Brand : "J K"	All
14	JK Lakshmi Cement Ltd Brand : "J K LAKSHMI"	All
15	JaypeeRewa Cement Brand : "JAYPEE"	All
16	Ambuja Cement Ltd Brand : "AMBUJA"	All
17	M/s Chettinad Cement Corpn. Ltd Brand : " CHETTINAD Cement "	OPC 43 & PPC
18	M/s My Home Industries Ltd, Brand : "MAHA CEMENT"	OPC 43, PPC & PSC
19	M/s Wonder Cement Ltd Brand: "WONDER Cement"	OPC 43, OPC 53 & PPC

2.3 AGGREGATE

2.3.1 Coarse aggregates for all cement concrete work shall be graded crushed/broken hard granite stone obtained from approved quarries all as specified in Clause 4.4. of MES Schedule. Mixture of two types shall however, not to be used.

2.3.2 FINE AGGREGATE:

2.3.2.1 Fine Aggregate for concrete work shall conform to materials specified in clause 4.4 to 4.4.7.3 of MES Schedule Part-I. Contractor may without any extra cost in lieu of river sand use manufactured sand (Crushed stone sand) produced from hard granite/basalt/black trap stone, having cubical shaped particles with grounded edges of ground gradation zone II/III as per IS 383-1970 as applicable. In the market it is known as M-Sand/Robo Sand/I-Sand etc., for pricing deviations, SSR rates shall only be applicable without any price adjustment for manufactured sand.

PARTICULAR SPECIFICATIONS**3. STEEL AND IRON WORK:**

3.1. Steel and iron work in various situations shall be carried out as specified in MES Schedule Part – I [Specifications], Section 10 and as shown in drawings. CTD bars wherever shown on drawings shall be replaced with TMT bars of same dia.

3.2.2. SOURCE OF PROCUREMENT:

[a] STRUCTURAL STEEL: The contractor shall procure structural steel sections directly from main producers like SAIL / RINL / TISCO / Jindal Steel and Power Ltd (Brand : JINDAL)

4. PRECAST PCC SOLID BLOCK WALLING:

4.1. 10cm thick PCC solid block walling shall be built in cement mortar [1:6]. 10 cm thick PCC solid block walling shall be built in cement mortar [1:4].

4.2. **LAYING:** The pre cast PCC solid block shall be slightly wetted before & during laying in the wall. The block shall be laid with mortar joints completely filled without any void left in the masonry. The thickness of the horizontal and vertical joints shall not exceed 1cm. The $\frac{1}{2}$, $\frac{1}{3}$ and $\frac{2}{3}$ blocks shall be used for breaking the joints.

4.2.1 The face joints shall be raked to a depth of 1cm by raking tool during the progress of the work, when the mortar is still green so as to provide proper key for plaster or to facilitate pointing to be done later. Where plaster or pointing is not required the joints shall be struck flush and finished side by side as work proceeds without any cost to the department.

4.3. **CURING OF WALLING:** Masonry work shall be kept constantly moist on all the faces for a minimum period of 7 days.

4.4 **SCAFFOLDING FOR WALLING:** Only double scaffolding shall be used. The scaffolding shall be strong and sound. No holes in the masonry for supporting scaffolding will be allowed.

4.4.1 20/10 cm thick walls wherever shown on drawings shall be 20/10 cm thick precast solid block walling. Dowel bars [connecting bars] shall be provided in the adjoining RCC columns all as specified in respective drawings.

4.4.2 100mm thick partition walls shall rest on plinth beam as shown in structural drawings. In case plinth beam is not shown in structural drawing 100mm thick wall shall rest on sub base of the floor in ground floor. 10cm thick partition wall shall be properly bonded at ends into adjoining wall/column. RCC bands in 100mm thick walls shall be provided at the locations as per provisions given in drawings. In case details are not shown in drawing lintel shall be provided as under:

[a] RCC band at lintel level for the entire length [including over opening] shall be provided. The RCC band shall be of 100mm depth and reinforced with 4 Nos 10 mm dia TMT steel bars as longitudinal bars and 8mm dia TMT steel bars links at 200mm centre to centre. Longitudinal bars shall be anchored in supporting walls/columns.

PARTICULAR SPECIFICATIONS

- [b] If length of the wall is exceeding 3metre and not exceeding 6metre in plan which is unsupported in perpendicular direction, the vertical RCC band of size 100x100mm shall be provided at centre reinforced with 4Nos 10mm dia deformed twisted TMT steel bars as longitudinal bars and 8mm dia TMT steel bars stirrups at 150mm centre to centre. This band shall be anchored in slab/beam/sub base
- [c] Whenever partition walls rest over slabs, additional reinforcement shall be provided in the RCC slab as shown in the structural drawing along the direction of wall.

5. RENDERING / PLASTERING WORK**5.1 General**

- 5.1.1 Surfaces to be plastered shall be prepared and well watered as specified in MES Schedule. Curing of plaster shall be properly done by means of stirrup pumps or similar devices. The contractor shall take every precaution right from the commencement of the plaster work to prevent any craziness that may appear on the surface of plaster and shall be responsible to make good any portion of plaster work which in the opinion of the Engineer-in-charge requires removal and redoing.
- 5.1.2 All internal plastered surfaces shall be trowelled to a even and smooth surfaces without using extra cement and external plastered surfaces shall be finished fair and even.
- 5.1.3 All external plastering shall be carried out upto 15cm below the top level of plinth protection.
- 5.1.4 All corners, angle, junctions and edges shall be truly vertical or horizontal as the case may be and shall be carefully finished. Corners around jambs of openings and junction of walls shall be rounded to minimum radius of 5mm. 12mm wide groove at the junctions of all walls and RCC slabs column & beam to the entire thickness of wall plaster shall be provided.
- 5.1.5 Particular attention of the contractor is invited to take note of local practices and local availability of materials like bricks, stones, form work etc for any extra quantity of mortar required for rendering smooth, extra dubbing required, touching up properly and achieving smooth and even surfaces. This shall be deemed to have been included in the lumpsum. 14.1.6 where dados/ skirting are provided the internal plaster shall commence from the top of the dado /skirting.

6 **DISTEMPERING:-** Where OBD/Acrylic distemper is indicated on Schedule of finishes/ drawings apply two coats of Acrylic washable distemper over one coat of approved interior wall primer as per manufacturer's instruction over 3 coats white cement based putty. The entire work shall be executed form manufacturers or his authorized agents/applicator using latest equipments/tools.

- 6.1 Acrylic distemper shall be first quality.
- 6.2 Alkali resistant primer shall be provided all as indicated in drawings SSR Part I/ as directed bythe Engineer-in-Charge.

PARTICULAR SPECIFICATIONS

6.3 **External finishes:** - All external surface shall be finished with two coats of weather coat including preparation of newly plastered /concrete surface over one coat of primer complete all as specified in the Schedule of finishes

6.4 **CEMENT BASED PUTTY**

6.4.1 White cement-based putty of 3 coats shall be provided over a coat of alkali resistant primer in locations as shown on sch of finishes. White cement-based putty shall be obtained ready mixed form JK wall putty/ Birla wall care putty as approved by GE. White cement-based putty shall be in the form of dry homogeneous powder free from odours of putrefaction and when mixed water.

6.4.2 Preparation of surfaces, preparation of putty, wetting surfaces, application of putty and precaution to be taken while application shall be as per 15.19.2 to 19.9.6.4 of SSR Part –I2009

7. **UPVC WINDOWS**

7.1 All openable and fixed window system shall have minimum 3 hollow chambers from front to back. The sliding system frames shall have minimum 3 chambers from front to back.

7.2 All sections of the frame and sash shall be reinforced in accordance with the system supplier's recommendations using galvanized mild steel in a single continuous length.

7.3 **GENERAL REQUIREMENTS** - Profile The profile shall be extruded from a compound that has been blended to ensure quality and consistency. The material shall be white or of approved shade, high impact modified window grade UPVC and shall be colorfast and conform to BS EN 12608:2003 as below: Description of Material Flexural modulus of Elasticity Required Value Resistance to impact by falling mass at – 10°C for Class II (falling mass 1000g; falling height 1500mm - as per BS EN 12608:2003) Shall not be less than 2200 N/mm² not more than 1 test specimen shall show rupture in wall. Mean Breaking Stress for welded corners Shall not be less than 35N/mm² for compression bending test or 25N/ mm² for tensile bending test. The profile shall be a hollow 3-chamber (across depth) profile with an outer wall thickness not less than 2.4 mm. The profile shall be of first grade/quality uniform and free from foreign bodies, cracks or marks.

7.4 **FABRICATION OF WINDOW**

7.4.1 The window units shall be designed with all corner joints, transom joints and mullion joints being mitred and fusion welded.

7.4.2 All excess material shall be neatly trimmed and neatly feature grooved/raised nib finish at corners, transom joints and mullion joints.

7.4.3 There will be no mechanical joining of the profile.

7.4.4 No polishing flush of any joints will be permitted.

PARTICULAR SPECIFICATIONS

- 7.4.5 The window units shall be designed so that the route of drainage is prevented from passing through the reinforcement chamber.
- 7.4.6 The finished product shall be free from all sharp edges, burrs and the like that may be hazardous to the user.
- 7.4.7 The dimensional tolerances on the finished outer frame height and width shall be +/- 3mm. Frame assemblies shall be such that they can be installed square within a maximum difference in the diagonals of 4mm. Minimum overlap of sash on frame shall be 8mm. In all window units, adequate drainage should be provided to permit the escape of water from platforms or horizontal members beneath each sealed unit. The drainage shallots shall not penetrate into the reinforcement chambers. Rain water Stop to be provided wherever necessary to provide barrier to excess rain water.
- 8 **GLAZING:** All glazing shall be with plain ordinary sheet glass or frosted glass as specified in Schedule "A". Glass shall be free from defects such as bubbles, waviness etc. and shall be homogeneous thickness. All glass panes in wooden members shall be neatly back puttied and carefully secured with rounded hard wooden beads mitred angle fixed with steel panel pins, beads. Beads of appropriate size shall be of the same specifications as used in shutters. Priming coat of paint shall be applied to rebates of joinery before glazing. Glazing to steel windows / ventilators shall be sheet glass [ordinary glazing quality], of thickness as specified in Schedule "A". Glazing to metal frames shall be with putty conforming to IS – 419 and steel clips and as specified in clause 16.5 to 16.10 of MES Schedule Part – I. Glazing to aluminium doors and windows shall be of selected quality, thickness as specified in Schedule "A". Glazing shall be provided with rubber gasket & clip as per manufacturer instructions.
- 9 **FRP DOORS & FRAMES** :-
Irrespective whatever shown on drawings, doors and frame shall be of fibre glass reinforced plastic (FRP) and as specified here under :-
- (a) FRP frames shall be of cross section 90mm x 45mm having single rebate of 32mm x 15mm to receive shutter of 30mm thickness. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. MS stay shall be provided at the bottom to steady the frame.
- (b) The thickness of FRP shutters shall be 30mm & thickness of FRP sheet shall be 03mm Shutters shall be in depressed panel design and colour as approved by GE and shall be include extra reinforcement on edges. The core of shutter in styles and rails area shall be of polyurethane foam the panel area shall have ply-FRP sandwich construction having 4mm thick ply to have embedded wooden blocks for taking fixtures shutter shall have recesses to take hinge to fix with frame. The whole shutter shall have resistant to mild acid/alkali. Aluminium mongery to FRP shutter shall be fixed as per manufacturer's instructions. Any tenderer offering FRP shutter with more thickness of FRP will not be paid any thing extra cost to dept.

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- (c) 03 Nos MS hold fasts/lugs on either side shall be fixed as per manufacturers instructions. Other joineries shall be provided as shown for relevant drawings for PVC doors.

10 BUILDER'S HARD WARE**10.1 General**

10.1.1 **Item and Quantities:** All Builders hard ware shall be of Aluminium anodised except butt hinges which shall be mild steel cold rolled medium weight . Hardware fittings shall be provided according to the scales indicated on the schedule of iron mongery on the relevant drawing and in conformity with any note that may be appearing on a particular drawing.

10.1.2 **Sizes:** In case the size of particular fitting is not given in the drawing, it shall be of size as per common engineering practice as directed and approved by the GE.

10.1.3 All articles of builders hardware shall bear ISI marking. In case any item/fittings with ISI mark is not manufactured than it shall conform to the relevant IS specifications and the specifications given in the MES Schedule for the relevant item.

10.1.4 Screws used for fixing items of builders hardware shall be as specified in clause 9.2.6 of MES Schedule Part-I and shall match the material of respective builder hardware.

10.1.5 Articles of builders hardware, for built-in-furniture, where specified of aluminum, these shall be of anodised aluminium

10.2 ARTICLES**10.2.1 Hinges**

Butt Hinges: Butt hinges shall be of mild steel cold rolled medium weight all as specified in clause 9.7.2 of MES Schedule Part I.

10.2.2 **Tower bolts** : Barrel Tower bolts shall be Aluminium anodised conforming to specifications given in MES Schedule. Diameter and length of bolt shall be 250 mm and 12 mm respectively. The tower bolts should be ISI Marked.

10.2.6 **Door Handles:** Handle shall be aluminium anodised with finger plate 5 mm thick and dia of rail is 10 mm (ISI Marked) wherever shown on drgs. These should generally conform to IS 208 and clause 9.11 of MES Schedule Part I. The shape and pattern of Handle shall be approved by the GE.

10.3 Sliding Door Bolts

10.3.1 These shall comply with IS 2681-1993: Specification for non-ferrous sliding door bolts for use with padlock and shall be of the following types, as mention in BOQ: -

- (a) Brass sliding door bolts with sand or die cast brass hasp staple and fixing bolt and rolled or drawn brass bolts.

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(b) Aluminium alloy sliding door bolts with hasp, staple and fixing clips of sheet or extruded section and fixing and sliding bolts of extruded sections of aluminium alloy.

10.3.2 The sliding door bolt shall have smooth sliding action. The hasp, when not cast integral with the bolt, shall be properly secured to the bolt. Sliding bolts shall be provided with fixing bolts. Brass bolts shall have satin finish or polished. Aluminium bolts shall be anodised.

10.4 **HYDRAULICALLY DOOR CLOSER & FLOOR DOOR SPRINGS**

The work of hydraulically door closer & floor door spring shall be carried out as specified in clause 9.16 & 9.17 of MES schedule Part-I(2009).

11.0 **Anodised Aluminium Frame Work (snap grid) for false ceiling Work**

11.1 **(a) Materials: -**

(i) Aluminium sections incorporated in frame work shall conform to IS 733, IS 737 and IS1285.

(ii) The snap grid consists of anodized aluminium main / cross tee of size as indicated.

11.1.2 **(b) Workmanship: -**

(i) Snap grid frame work shall be fixed to ceiling with supporting hanger consisting of 4mm dia mild steel wire, J bolts with necessary bolts, nuts and washers all as manufacturer's instruction.

(ii) The main and cross tees shall be jointed at junction / crossings with anodized aluminium angle bracket of size as indicated, if not indicated it shall be 15 mm x 15 mm x 1.5 mm, fixed with suitable mild steel, bolts nuts and washers, all as per manufacturer's instructions.

(iii) The snap grid (main / cross tee section) shall be supported at ends all along the wall with anodized aluminium angle of size as indicated, if not indicated it shall be 40 mm x 25 mm x 2mm.

(v) PVC protected sheeting shall be used to avoid scratches, damage to the framework while fixing to ceiling.

12 **Gypsum Plaster Board**

12.1 Gypsum plaster board shall conform to IS 2095-1996 Part 1 or 2 as indicated. The type of board shall be well board or base board as indicated. The thickness shall be indicated. The board shall be square edge board or tapered edge board as indicated.

PARTICULAR SPECIFICATIONS

- 13 **VITRIFIED TILES** : Vitrified tiles shall be of group B Ia, homogeneous, polished, not less than 8-9mm thick, all as specified in clause 13.15.1 of MES Schedule Part-I. The colour, shade, texture and design shall be approved by GE. The Make of tiles shall be as mentioned in Appendix 'B'. Unless otherwise mentioned in drawings, the size of vitrified tiles shall be 600mm x 600mm (rectified).
- 13.1 **GRANITE STONE**: Refer Clause 6.2.3 of MES Schedule, Part-I. Granite stone shall be jet black if not indicated otherwise in the drawings, machine cut, polished. Unless otherwise mentioned on drawings, thickness of granite on any location shall be 18-20 mm.
- 13.2 **GRANITE STONE ON PCC/RCC CILLS, SHELVES, PLATFORMS & COUNTERS**: Wherever shown on drawings stone shall be laid over 10mm thick cement mortar (1:4) with cement slurry shall be @ 3 kg/Sq. m including cutting, grinding and polishing with mirror/granite finish all as specified in MES Schedule Part-I. Full round nosing shall be provided to open edges whether or not shown on drawings.
- 14.0 **INTERNAL ELECTRIFICATION**
- 14.1 **General**
- 14.1.1 The scope of work included under Sch'A' consists of providing internal electric wiring to the buildings and external electrification as described in Sch'A' and as specified/Shown on drawings.
- 14.1.2 The general layout of wiring points and fittings are as shown on drawings. The exact location of fittings may be altered by the GE/AGE/ Engineer-in-Charge to suit local requirements and the contractor shall not claim any extra on his account for point wiring and connected accessories.
- 14.1.3 All electrical fittings and wiring must run clear of door, windows and openings No diagonal run shall be allowed. These must always be parallel or perpendicular to the ground.
- 14.1.4 The specification and general rules/conditions laid down in the MES Schedule Part I and II including errata and amendments as applicable will be generally applicable to the whole work unless otherwise specified hereinafter.
- 14.1.5 The work shall be carried out in strict compliance with the latest edition of Indian Electricity Act the Indian Electricity Rules and IEE Regulations and the latest edition of IS732. It shall be of high standard and approved construction used in a modern electrical work both as regards design and workmanship. Complete work shall be suitable in every respect of type of voltage specified and shall be to the satisfaction of Engineer-in-Charge.
- 14.2 **WORKMANSHIP**
- 14.2.1 The work under internal electrification work shall be carried out only by licensed wireman under the supervision of a qualified Electrical Engineer. The contractor shall produce (for inspection) license of electrician/wireman if ordered by the Engineer-in-Charge.

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14.2.2 Protection of wiring from mechanical damage shall be as per clause 19.119 of MES Schedule Part I.

14.2.3 Passing of cables through walls, floors etc shall be protected as specified in clause 19.120 and 19.121 of MES Sch Part I.

14.3 SAMPLES

14.3.1 Before starting the work, the contractor shall produce samples of all materials including accessories and approved by the GE. Samples that are approved will be retained by GE until the work is completed and accepted. The contractor will not be allowed to commence the work before the samples are produced and approved. The contractor shall ensure that the materials used in the work are identical with approved samples and are uniform throughout. All materials shall be accordance with latest edition of the IS/BS specification and shall be of the best indigenous make approved by the GE

14.3.2 **MATERIALS:** All materials shall be accordance with latest edition of the relevant IS/BS specification and shall be of the be indigenous make approved by the GE/AGE.

14.4.1 **CABLES:** Cables shall be single core PVC insulated and PVC sheathed/unsheathed (all as described in Sch'A' with multi stranded copper conductor conforming to specifications laid down in clause 19.25 (a) (ii) and 19.25(b) (ii) of MES Schedule Part I. All cables shall be 1100 volts grade for point wiring and shall be of such size as to be capable to carrying the maximum current which will normally flow through them without the respective rating being exceeded as laid down in IEE Regulations. Cables shall be delivered at site in makers wrappers etc, with the seal intact and shall not be installed unless approved by the Engineer-in-charge. If cables of size as specified in Sch 'A' as per relevant IS are not available, cables of equivalent size with identical current carrying capacity and with multi stands shall be got approved from accepting office before incorporation works without extra cost to Govt.

14.5 MODULAR FLUSH BOXES

14.1.1 Modular GI flush box of suitable size with inner and outer white plastic plate (same make of approved switch and socket) shall be provided.

14.2.1 **MODULAR SWITCHES/SOCKETS:** Modular switches/ switches and socket shall be as per schedule and shall be of any one make as listed in manufacturer list.

14.3 **CONDUIT AND CONDUIT ACCESSORIES:** All conduits, conduit fittings and accessories shall be rigid PVC conduit and fittings conforming to IS-9537 Part III of 1983 of (Medium grade).

14.4 MINIATURE CIRCUIT BREAKERS AND DISTRIBUTION BOARDS

14.4.1 MCB shall be of approved make and shall be obtained form any one of the manufacturers listed in manufacturer list.

14.4.2 The unused portion of DBs are to be blocked by the blank piece.

PARTICULAR SPECIFICATIONS

- 14.5 **SCREWS, NAILS ETC:**All screws, and nails used in the electrical works shall be brass unless otherwise specified. Plastic sheet cover for Steel Boxes shall be fixed with cadmium plated iron screws.
- 15.1 **LED LIGHT FITTING** :All type of Led light fitting shall be of type & capacity specified in the BOQ and shall be fixed as per manufacturer's instruction. LED light fitting shall be procured from any one of the manufacturers mentioned in list of makes/manufacturers which product fulfill the following conditions:
- (a) LM79:All LED light procured by the contractor shall be pre tested in accordance with LM 79 (norms for testing of LED light) and test certificate for each type of fitting shall be submitted by the contractor to the Engineer-in-Charge. LM 79 test shall be carried out by manufacturers for individual LED products, in their own laboratory accredited by National Accreditation Board for Testing and Calibration Laboratories (NABL) or UL or third party laboratory accredited by National Accreditation Board for Testing and Calibration Laboratories (NABL). Contractor shall submit documentary evidence obtained from manufacturer of LED light fitting that laboratory in which testing has been carried is accredited by National Accreditation Board for Testing and Calibration Laboratories (NABL) along with sample of LED fitting.
- (b) LM80:LED chip used for manufacturing of LED light fitting shall be of make CREE / Nichia / Osram / Lumileds / Citizen. Contractor shall submit LM: 80 reports issued by LED Chip manufacturer's authorization in favor of LED Fixture manufacturer.
- (c) LED DRIVERS:LED light fitting shall have in built electronic driver having voltage protection range of 140-280 V with Internal Surge protection of 5 kV for Flood Light & Street Light fitting and 2 kV for indoor light fitting.
- 15.2 **MANUFACTURER GUARANTEE:-**
Contractor shall submit manufacturer's guarantee for 2 year from date of completion certificate issued by the GE for all LED light fitting provided under this contract.
- 16 **WIRING:-**
- 16.1 All work of electrification shall be executed by fully qualified licensed electricians as per the latest Engg practice and latest IS code/IE Rules. Certificates of qualification shall be produced on demand by EIC.
- 16.2 The position of electrical fittings and fixtures shall be as directed by EIC at the time of execution.
- 16.3 Looping-in-system of wiring shall invariably be used through out the installation.
- 16.4 **PRECAUTIONS:-**
- 16.4.1 All safety precautions shall be taken by the contractor to prevent danger to persons.
- 16.4.2 The contractor/his workmen shall not start work in the electric line or on electric equipment unless he obtains proper shut down and unless he/they are reasonably satisfied that there is no danger to the life of workmen.

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16.4.3 The contractor shall be responsible for providing all necessary safety equipment to his workmen to avoid accidents. In case of accidents the department will not be held responsible.

16.5 TYPE OF WIRING :

16.5.1 The type of wiring shall be given in relevant section of schedule 'A' and particular specification and as directed by EIC. Point wiring for light/ power/ fan/ bell or buzzer etc including all works comprising of:-

- (a) Supply and fixing/drawing of cable for carrying out wiring.
- (b) Supplying and fixing of suitable size sunk pressed steel terminal box covered with white PVC laminated sheet to accommodate requisite switches, sockets, fan regulators or switch socket combination.

17 EARTHING

(a) Refer clause 19.137 to 19.145 of MES Schedule (Part-I) and electrical plate No. 5 MES Schedule (Part-I).

(b) The Contractor shall execute installation of earth plate in the presence of the Engineer-in-Charge. Charcoal dust and salt and return filling shall be done in layers not exceeding 20cm depth, properly watered and rammed. Surplus spoil shall be carted away to a distance not exceeding 50m and the site left clean and tidy.

(c) No earth pit shall be made within 2m of a wall or foundation. Efforts shall be made to locate them in grass or near flower beds or water taps. The distance between two earthing pits shall be a least 2m.

17.1 TESTING

17.1.1 **TESTING OF EARTH CONTINUITY** : The earth continuity conductor metal conduits shall be tested for electric continuity and 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 earth continuity conductor in the completed installation shall not exceed 1.0 Ohm. The record sheets shall be signed by the Contractor and the Engineer-in-Charge.

17.2.1 **TESTING POLARITY OF SWITCHES**: In a two wire installation, a test shall be made to verify that all switches in every circuit have been fitted in the same conductor throughout and such conductor shall be labeled or marked for connection to the phase conductor.

17.3 **INSULATION TEST OF WIRING** : On completion of installation, the insulation resistance of wiring shall be measured as specified in clause 19.146.1 of MES Schedule 2009, Part-I. The insulation resistance & earth should be not less than 25 Mega Ohms divided by the number of outlets for PVC insulated cables. The records of test shall be signed by Contractor and the Engineer-in-Charge.

17.3.1 After completion of wiring, the Contractor shall submit three copies of wiring diagram.

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17.3.2 Three copies of test result shall be submitted by the Contractor. In case the earth result does not fall within the specified limit as mentioned in IS/IE rules, the Contractor shall dig earth pit beyond 2.5 M deep to obtain the desired earth results at his own cost. All testing instruments labour, materials and incidentals necessary to conduct the tests shall be arranged by the Contractor at his own cost.

18 ACCIDENT/INJURY

The operating personal/mechanic shall be provided with protective equipment. In case of any accident, injury or partial disability, contractor shall be solely responsible for setting all claims/compensation. The contractor will have to depute only experienced and qualified operators/Mechanic and they should possess valid license from the concerned authority. No operator/mechanic without proper license will be accepted/entertained.

19 INSURANCE

All the workers deployed by the contractor shall be covered under insurance & expenses shall be borne by the contractor. The contractor shall be solely responsible for any type of mis-happening/untoward incident with man power during the maintenance and contractor shall have no claim of any insurance of such compensation from the department.

20. DEMOLITION/DISMANTLING

- (a) Prior to commencement of work, inventory of all existing items of works, materials and fittings to be demolished shall be prepared and signed by the Engineer-in-Charge.
- (b) Proper care shall be taken while demolition, that the demolition work shall be carried out without disturbing other nearby existing structures which are not to be dismantled. Demolition shall be carried out all as specified in the MES SSR Part-I.

21. **SITE CLEARANCE** : After execution of work site shall be cleaned by the contractor to the entire satisfaction of Engineer – in – Charge without any extra cost to the department.

PARTICULAR SPECIFICATIONS**22 LIST OF MANUFACTURER**

22.1 The make of products given in this table are expected to confirm IS specifications/ bear ISI mark. The makes if given in Schedule 'A' shall take precedence over this list of makes. If makes/manufacturer's name are not given in BOQ (Sch 'A') or hereinafter, then the makes specified in Zonal specification shall be incorporated in the work. Also materials shall be procured from any one of the manufacturer/make approved by HQ E-in-C's Br/ CESC Pune/ADG(P) Chennai in addition to the make /manufacturers listed hereunder on production of samples and getting the same approved from GE:-

SL	Description of item	Name of manufacturer
1	UPVC Doors, Windows,	Fenesta/ Qute Extrusions Pvt Ltd (Brand : Qute)/ M/s Madhu Industries/ H2O Solutions/Prominace/ Duroplast/ NCL Windows/ Aluplast/ Rehau India Pvt Ltd/ Veka Limited/ Accucel of Accura Polytech/ Stay Bright Windows/ M/s Sarvesh Multi Plast India Pvt Ltd/ Astrapia Pvt Ltd/ M/s Yash Poly/ M/s Rashri
2	Sheet glass plain	Saint Gobain/ Gold Plus Glass Industries Ltd/ Modiguard/ Atul Glass Industries/
3	Oil Putty	Jenson & Nicholson/ Berger/ Shalimar Hardware/ Jenson & Nicholson
4	LED Lights	Bajaj Electrical Ltd/ Philips/ Wipro Crompton/ Halonix Technologies Pvt Ltd/ Crompton Greaves (consumer Electrical)/ JAGUAR (Lightening Solutions)/ Luker Electric/ Orient Electric/ Syska LED Lights/ Havells/ Surya Roshni Ltd/ Gold Medal Electrical Pvt Ltd/ Shakti Fixtures Pvt Ltd.
5	DBs/ MCB/MCCB/RCCB	Larsen & Turbo/ Legrand/ ABB/ Seimens/ Schneider/ C&S Limited/ Indo-Asian/ Luker Electric/ Orient Electric/ Havells/ Gold Medal Electrical Pvt Ltd/ BCH/ HPL.
6	LT cable, XLPE, PVC Insulated Copper/ Aluminium Wires & Cable 650/1100V of all types	Plaza/ Finolex/ Anchor/ Havells/ Nicco/ RPG/ SBEE Cables (India) Ltd/ KEI Industries
7	PVC conduits	Anchor/ Modi / Precision/ Astral Limited/ Gold Medal Electrical Pvt Ltd

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8	Casing capping & accessories	Precision/ Modi/ Presto Plast/ Prince.
9	Factory made PVC FRP shutters and Frames	Qute Extrusions Pvt Ltd (Brand :Qute)/ Duroplast Extrusion/ Sintex industries Ltd/ Durian/ Deco mica ltd (Heritage)
10	Hydraulic Door Closer	Godrej Hafele/ IPSA door Closer/
11	Aluminium Tower Bolt/ Aldrops/ Door handle /Butt Hinges Towel Rails	Jindal/ ESSESS/ Aluminium Udyog (Brand - GLOBAL)/
12	False Ceilings	Armstrong/ Aerolite ceiling system/Saint Gobain Gyproc
13	False Ceilings Members(Perimeter, Ceiling Section, Intermediates,Angles etc.)	Armstrong/ Aerolite ceiling system/Saint Gobain Gyproc
14	Vitrified Tiles	Johnson/Kajaria/Somany/Euro Tiles/AGL Tiles/Apama Enterprises Ltd 'Vitero/Simero Industries Pvt Ltd/Orient Bell Limited/Nitco/Hindware Ltd
15	Acrylic Washable Distemper and primer	Berger Paints (Jadoo)/ JAsian Paints (Tractor Uno)/ Jenson & Nicholson/ Nippon Paint/ Shalimar Paints
16	Cement Putty	Snowcem Paints/ Asian Paints/Ultratech cement Ltd 'Birla wall care putty'/Nippon 'silky wall putty/ Shalimar
17	Electric Accessories, Piano Switches, Celing rose, call bells, Buzzers,Lamp Holders / socket outet,etc	Anchor/ Crabtree/Leader/ Legrand/ Cona
18	Modular Switches/Socket	Anchor Roma/Legrand/Crabtree/C&S Limited/Indo-Asian/Havells/Finolex
19	Fan Regulator	Anchor/Havells/Bajaj/Usha/Khaitan/Crompton/orient Electric/Legrand

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LIST OF DRAWINGS

-NIL-

Signature of Contractor

AGE (Contracts)
For Accepting Officer

MILITARY ENGINEER SERVICES
NOTICE INVITING TENDER

1. A tender is invited for (see appendix 'A').
2. The work is estimated to cost as indicated in aforesaid Appendix 'A'. This estimate, however, is not a guarantee and is merely given as a rough guide and if the work cost more or less, a tenderer/bidder will have no claim on that account. The tender shall be based on as mentioned in aforesaid Appendix 'A'.
3. The work is to be completed within the period as indicated in aforesaid Appendix 'A' in accordance with phasing, if any, indicated in the tender from the date of handing over the site, which will be on or about two weeks after the date of Acceptance of tender.
4. Contractors whose names are on the MES approved list and within whose financial category the estimated amount would fall and unenlisted contractors may submit tender/bid subject to other criteria mentioned in Appendix A. However, in case of term contracts, enlisted contractors of Class SS to E may submit tender. Not more than one tender shall be submitted/uploaded by one contractor/ firm. Under no circumstances will a father and his son(s) or other close relations who have business dealing with one another be allowed to tender/bid for the same contract as separate competitors. Two firms shall be deemed to have business dealing if any of the partners/proprietor/director is common among both of them. A breach of this condition will render the tenders/bids of both the parties liable for rejection.
5. The Office of **GE (I)(CG) Goa** will be the Accepting Officer here in after referred to as such for purpose of the contract.
6. The Technical Bid and Financial Bid (Cover-1 & Cover-2) shall be uploaded by the tenderer/bidder on or before the date & time mentioned in **NIT**. A scanned copy of DD towards cost of tender with enlistment details/documents shall be uploaded as packet 1/Cover-1 ('T' bid) of the tender/bid on e-tendering portal. DD is refundable in case T bid is not accepted resulting in non-opening of 'Q' bid. The applicant contractor shall bear the cost of bank charges for procuring and encashing the DD and shall not have any claim from Government whatsoever on this account.
 - 6.1. Tender form and conditions of contract and other necessary documents shall be available on <https://defproc.gov.in> site for download and shall form part of contract agreement in case the tender/bid is accepted.
 - 6.2. **PERFORMANCE SECURITY**
 - (a) **Within 28 days of receipt of the letter of Acceptance, the successful contractor shall deliver to the Accepting officer a performance security in any of the forms given below for an amount equivalent to 5% of the Contract Sum.**
 - (i) A Bank Guarantee in the prescribed form.
 - (ii) Government Securities/ FDR/ Insurance Surety Bonds or any other Government instruments stipulated by the Accepting officer.

NOTICE INVITING TENDER (CONTD...)

(b) If the performance security is provided by the successful contractor in the form of a Bank Guarantee/ Insurance Surety Bonds, it shall be issued by Nationalized/Scheduled Indian Bank but its confirmation shall be done only from the Head Office of the Bank.

(c) Failure of the successful contractor to comply with the requirements of clause 6.2(a) shall constitute sufficient grounds for cancellation of the award of work. An amount equal to EMD shall be notified to the tenderer for depositing the amount through MRO. Issue of tender to such tenderers shall remain suspended till the aforesaid amount is deposited in Government Treasury.

7. EARNEST MONEY DEPOSIT (EMD):

In case of enlisted contractor who has not executed the "Standing Security Bond" and unenlisted contractors, the Cover-1 shall be accompanied with by "Earnest Money" of amount as mentioned in Appendix 'A' in the form of deposit at call receipt in favour of GE by a Scheduled Bank or in receipt treasury challan, The amount being credited to the revenue deposit of the GE (See Appendix 'A'). EMD exemption is allowed only in case of tenderers who are on the MES approval list of any MES formation and deposited standing security and executed standing security bond.

8 The contractor will be recognized by the Index No. of only his parent command and there will be no reference to his enlistment under any adjoining command facility / Parallel Enlistment facility.

9. Copies of the drawings and other document pertaining to the work signed for the purpose of identification by the Accepting Officer or his accredited representative, sample of materials and stores to be supplied by the contractor will also be available for inspection by the tenderer/bidder at the office of Accepting officer and concerned GE/ AGE (I) during working hours.

10. The tenderers/bidders are advised to visit site of work by making prior appointment with GE who is also the Executing Agency of the work (see appendix 'A'). The tenderers/bidders are deemed to have full knowledge of all relevant documents, samples, site etc., whether they have inspected them or not.

11. Any tender/bid which proposes any alteration to any of the conditions laid down or which proposes any other condition or prescription, whatsoever is liable to be rejected.

12. The uploading of bid implies that bidder has read this notice and the Conditions of Contract and has made himself aware of the scope and specification of work to be done and of the conditions and rates at which stores, tools and plants etc will be issued to him and local conditions and other factors having bearing on the execution of the work.

13. Tenderers/bidders must be in possession of a copy of the MES Standard Schedule of Rates (see appendix 'A') including amendments and errata thereto.

NOTICE INVITING TENDER (CONTD...)

14. The Accepting Officer reserves the right to accept a tender submitted by a Public Undertaking, giving a price preference over other Tender(s)/bid(s) which may be lower, as are admissible under the Government Policy. No claim for any compensation or otherwise shall be admissible from such tenderer/bidder whose tender/bid is rejected.

15. Accepting Officer does not bind himself to accept the lowest or any tender/bid or to give any reason for not doing so.

16. This **Notice Inviting Tender (NIT)** including Appendix 'A' shall form part of the Contract.

Signature of Contractor
Dated:

AGE (Contracts)
for Accepting Officer

APPENDIX 'A' TO NOTICE INVITING TENDER (NIT)

1.	Name of work	ADDITION ALTERATION OF ROS UNDER GE(I) CG GOA
2.	Estimated Cost	Rs.18.20 Lakh (At Par Market)
3.	Period of completion	06 (Six) Months
4.	Cost of tender	Rs. 500/- in the form of DD/Bankers cheque from any schedule Bank in favour of GE(I)(CG) GOA and payable at GOA . (Note : In case of retendering, the contractor who had quoted in the previous call is not required to submit the cost of tender)
5.	Website/portal address	www.defproc.gov.in
6.	Type of contract	The tender shall be based on drawing and specifications IAFW 1779A and GCC (IAFW-2249) with Schedule 'A' (list of items of work) to be priced by contractor. The contractor is required to quote the rates against items of Schedule 'A'.
7.	Timeline details :	
	(a) Bid submission start date	Refer critical dates on https://defproc.gov.in.
	(b) Bid submission end date	
	(c) Date of bid opening	
8.	Eligibility Criteria	
	(A) For MES enlisted Contractors	Contractor shall be enlisted with MES in Class 'E' and above and Category a(i) subject to satisfactory remarks w.r.t. performance in respect of works in hand as reflected in Work load return (WLR) or any other report circulated by competent engineer authority.

Contd../-

APPENDIX 'A' TO NOTICE INVITING TENDER (NIT) (Cont.../-)

	(B) For contractors not enlisted with MES	<p>(i) Contractor not enlisted with MES should meet the enlistment criteria of Class 'E' & Category a(i) contractor with regard to satisfactory completion of requisite value works with Central/State Government/Central/State PSUs/ AWHO/ AFNHB/ CGEWHO/ DGMAP, Annual turnover, Bank Solvency, working capital, and other requirements given in Para 1.4 and 1.5 of Section 1 of MES Manual on Contracts – 2020 as available in all MES formations as well as on MES website(www.mes.gov.in)</p> <p>(ii) Not carrying adverse remarks in Work Load Return(WLR) or any other similar report circulated by any competent authority, if already working in MES.</p> <p>(iii) Not suspended/debarred/blacklisted (either permanently or temporarily) from participating in any bid or for business dealings by any Central / State Government Department or any Central/State Government PSU or any Autonomous Body under Central/State Government or any Local Body as on the bid submission end date.</p>												
8(B) (iv)	Unenlisted contractors shall submit details of of works completed and under progress in MES in following format:-	<table border="1" data-bbox="236 1093 1481 1281"> <thead> <tr> <th data-bbox="236 1093 316 1205">Srl. No.</th> <th data-bbox="316 1093 600 1205">CA No. & Name of Work</th> <th data-bbox="600 1093 807 1205">Value of CA</th> <th data-bbox="807 1093 1070 1205">Date of Commencement</th> <th data-bbox="1070 1093 1275 1205">Date of Completion</th> <th data-bbox="1275 1093 1481 1205">Extended Date of Completion</th> </tr> </thead> <tbody> <tr> <td data-bbox="236 1205 316 1281"></td> <td data-bbox="316 1205 600 1281"></td> <td data-bbox="600 1205 807 1281"></td> <td data-bbox="807 1205 1070 1281"></td> <td data-bbox="1070 1205 1275 1281"></td> <td data-bbox="1275 1205 1481 1281"></td> </tr> </tbody> </table>	Srl. No.	CA No. & Name of Work	Value of CA	Date of Commencement	Date of Completion	Extended Date of Completion						
Srl. No.	CA No. & Name of Work	Value of CA	Date of Commencement	Date of Completion	Extended Date of Completion									
8(B) (v)	Unenlisted contractors who have secured two works in MES should get themselves registered in the appropriate designated Class with any Registering Authority, else the firm will not be eligible for participation in the tender unless until the firm is enlisted with the MES.													
9.	Tender issuing and Accepting Officer	Military Engineer Services GE (I) (CG) Goa HQ Coast Guard DHQ-11, Chicolna, PO-Bogmalo Goa-403 806 Email ID : gecggoa4-mes@gov.in												
10.	Executing Agency	GE (I) CG GOA												
11.	Earnest Money	Rs. 36,400.00 in favour of GE(I)(CG) GOA in the form of Deposit at call receipt, FDR not acceptable.												

APPENDIX 'A' TO NOTICE INVITING TENDER (NIT) (Cont.../-)**Notes: -**

1. After opening of Cover-I, if the number of MES enlisted contractors of eligible class as well as eligible un-enlisted contractors, if any, fulfilling the other eligibility criteria given in NIT are less than 7(Seven), applications in respect of MES contractors one class or two classes (in case of remote and difficult areas to be decided as per list circulated by CE command/ADG) below the eligible class shall also be considered subject to fulfillment of other eligibility criteria given in the NIT. Therefore, MES contractor's one class below (two classes below in case of remote and difficult areas) may also bid for this tender. Such contractors of one class below the eligible class shall not be considered in case their present residual work in hand is more than FIVE TIMES their present tendering limit. However, in case such contractors fulfill the criteria of upgradation to the stipulated eligible class based on past experience of completed works (individual work experience and/or average annual turnover, as applicable) and financial soundness (solvency/ financial soundness and working capital), the ceiling of present residual work will not apply and they will be considered for issue of tender. Such bidders shall upload in their Cover-1 bid details related to residual works in hand like details of work in hand showing names of work, names of Accepting Officers, contact details of Accepting Officers, Contract amounts, dates of commencement and completion (stipulated) and progress as on bid submission date. Such Contractors, if claim to fulfill the criteria of upgradation shall also upload the requisite information/ documents in support of upgradation. These details shall be verified by the Tender Issuing Authority from concerned formations in case bids of such contractors are considered for evaluation.
2. In case after opening of Cover-I, the number of MES enlisted contractors of eligible class as well as un-enlisted contractors, if any, fulfilling the other eligibility criteria given in NIT, are 7 (Seven) or more, applications of only those one class below the eligible class bidders shall be considered , who have previously completed similar works satisfactorily and are meeting the criteria of upgradation in respect of past experience of completed works (individual work experience and/or average annual turnover as applicable) and financial soundness (solvency/financial soundness and working capital) as per details given in Manual on Contracts. Therefore, such contractors shall upload the requisite information/documents in the Cover- I.
3. Unenlisted contractor shall be considered provided he meets the criteria. Foreignfirmsshall not be eligible for this tender. However, Indian Firms having Foreign Nationals/Indian Nationals staying abroad/Indian Nationals having taken foreign citizenship, as director(s) shall be considered subject to security clearance from the concerned authorities.
4. Contractors enlisted with MES will upload following documents in Cover I for checking eligibility: -
 - a. Application for tender on Firm's letter head
 - b. Enlistment letter issued by the registering authority duly renewed for the cycle period in vogue.
 - c. Scanned copy of DD/Bankers cheque towards cost of tender
 - d. GST and EPF registration documents.

APPENDIX 'A' TO NOTICE INVITING TENDER (NIT) (Cont.../-)

- e. Scanned copy of Earnest Money (EMD) (Applicable in case standing security bond and standing security deposit have not been executed in any MES formation at the time of registration)
 - f. Any other document required as described in this Appendix 'A'.
5. Contractors not enlisted with MES will be required to upload following documents in Cover-I for checking eligibility.
- a. Application for tender on Firm's letterhead.
 - b. Scanned copy of DD/ Bankers cheque toward cost of tender and Earnest Money.
 - c. Copy of Police Verification Report/ Police Clearance Certificate/ Character Certificate from the Police Authority of the area where the registered office of the firm is located/notarized copy of valid passport of Proprietor/each Partner/each Director.
 - d. All documents required for enlistment in MES for the class mentioned in Para 8(B) above as per Para 1.5 of Section 1 of MES Manual on Contracts 2020.
 - e. Details of works being executed in MES, if any.
 - f. Any other document required as described in this Appendix 'A'.
6. Tenders not accompanied by scanned copies of requisite DD/Bankers Cheque towards cost of tender and earnest money (as applicable) shall not be considered for validation of 'T' bid and their finance bids will not be opened.
7. Contractors should ensure that their original physical DDs (as applicable) reach the office of Accepting Officer within 07 days of bid submission end date failing which following action shall be taken:-
- a. In case of tenders from anenlisted contractor of MES, where scanned copies of requisite DD/Bankers Cheque towards cost of tender has been uploaded in Cover 1 but physical copies are not received within the stipulated period, their finance bids (Cover 2) will be opened. **However non-submission of physical copies of cost of tender shall be considered as willful negligence of the bidder with ulterior motives and such bidder shall be banned from bidding for a period of six months commencing from the date of opening of finance bid (Cover-2).**
 - b. In case of tenders from unenlisted contractors, where scanned copies of requisite DD/Bankers Cheque towards cost of tender have been uploaded in Cover 1 but physical copies are not received within the stipulated period, their finance bids (Cover 2) will not be opened. Name of such contractors along with complete address shall be circulated for not opening of their bids for a period of six months commencing from the date of opening of Finance Bid (Cover-2).
 - c. In case of tenders from unenlisted contractor and enlisted contractor who have not executed standing security bond and standing security deposit in any MES formation, where scanned copies of Earnest Money were uploaded but the same are not received in physical form within stipulated time, such bids shall not qualify for opening of finance bid (Cover 2).

APPENDIX 'A' TO NOTICE INVITING TENDER (NIT) (Cont.../-)

8. Contractor will not be allowed to execute the work by subletting or through power of attorney to a third party/another firm on his behalf. However, a contractor can execute the work through power of attorney to sons/daughters/spouse of Proprietor/Partner/Director and firm's own employees, director, project manager **provided they are not having a separate enlisted firm in MES in their name as Proprietor/Partner/Director.**
9. After opening of Cover 1 and during its technical evaluation, in case any deficiency is noticed in the documents required to be uploaded by the tenderers as per NIT, a communication in the form of e-mail/SMS/ Speed Post etc. shall be sent to the contractor to rectify the deficiency within a period of seven days from the date of communication failing which financial bid (Cover 2) shall not be opened and contractor shall not have any claim on the same.
10. Invitation for e-tender does not constitute any guarantee for validation of Technical bid and subsequent opening of finance bid of any applicant/bidder merely by virtue of enclosing DD. Accepting Officer reserves the right to reject the Technical bid and not to open the finance bid of any applicant/bidder. Technical bid validation shall be decided by the Accepting Officer based on eligibility of the firm as per criteria given in this Appendix 'A'. The tenderer/bidder will be informed regarding Non validation of his Technical bid assigning reasons thereof through the tender evaluation report which shall be uploaded on the website. Such tenderer, if desires, may appeal to the Next Higher Engineer Authority (NHEA) viz **CHIEF ENGINEER (COAST GUARD) GOA** on email id cezcg2-mes@gov.in with copy to the Accepting Officer on email gecggoa4-mes@gov.in before the scheduled date of opening of Finance Bid (Cover 2). NHEA shall decide the matter within a period of seven working days from the date of receipt of appeal. The decision of NHEA shall be final and binding. The contractor/bidder shall not be entitled for any compensation whatsoever for rejection of his bid.
11. In case an unenlisted contractor is already executing works in MES, he shall not be considered eligible for the subject tender if the total value of such works is more than twice the tendering limit of the MES Class of contractor for which it is eligible. For this purpose, details of the works being executed by such a contractor shall be uploaded in the Cover -1 of the bid and shall be checked/verified by the Accepting Officer.
12. In case the BOQ is revised through the corrigendum and the bidder has failed to quote on revised BOQ (i.e. he has quoted on pre revised BOQ), such bid shall be treated as willful negligence by the bidder and his quotation shall be considered non-bonafide. In such cases the lowest tender shall be determined from amongst the valid/bonafide bids only. Accepting Officer may decide whether to re-tender or consider the lowest bonafide tender for acceptance.

APPENDIX 'A' TO NOTICE INVITING TENDER (NIT) (Cont.../-)

13. Revoking the offer or revising the rates upward or offering voluntary reduction by the lowest tenderer after opening of Cover 2 shall be considered as a willful default. For this default a penalty of an amount equal to Earnest Money shall be levied and an amount equal to the earnest money as mentioned above, shall be notified to the tenderer for depositing through MRO and consideration of such tenderer in tender evaluation for future works shall remain suspended till the aforementioned amount is deposited in the Government Treasury. No other disciplinary/administrative action shall be taken against such tenderers. In such a situation, the next lowest offer shall not be considered for acceptance. Instead, retendering shall be resorted to in a transparent and fair manner and the defaulting tenderer and his related firm if any, shall not be eligible for this tender in second call or subsequent calls.
14. Irrespective of whatever is mentioned in condition 19.3 of IAFW 2249 with regard to suspension of tenders on account of non-submission of Performance Security, issue of tenders to such tenderers shall remain suspended for a period of six months from the date of cancellation of contract under condition 19.3 of IAFW 2249 in case of unenlisted Contractors. In case of MES enlisted contractor, issue of tenders shall remain suspended till deposit of EMD or six months from date of cancellation whichever is later.
15. Tender to related firms shall not be issued simultaneously. Firms shall be termed as related if Proprietor/one or more Partners/ Directors are common. Decision of Accepting Officer on issue/deny the tender to any one of the related firms shall be final and binding.

Note:- The Court of The Panaji, Goa, India shall alone have jurisdiction to decide any dispute out of or in respect of this tender. After acceptance of tender, Condition 72 – Jurisdiction of Courts of IAFW-2249 shall be applicable.

Signature of contractor

(Anshul Patel)
Maj
GE (I) (CG) Goa
Accepting Officer

File No: **8635/E8**

02 Apr 2026

Military Engineer Services

GE (I) (CG) Goa

HQ Coast Guard DHQ-11,

Chicolna, PO-Bogmalo

Goa-403 806

Email ID : gecggoa4-mes@gov.in