

MILITARY ENGINEER SERVICES
COMMANDER WORKS ENGINEERS (AF) BIKANER -334001

NAME OF WORK: CA NO CWE (AF) BKN/NAL-07/2018-19 : SPECIAL REPAIR TO EARTH PITS
AT VARIOUS TECHNICAL INSTALLATIONS AT AF STN BIKANER

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SIGNATURE OF CONTRACTOR
DATED:

DCWE (CONTRACTS)
FOR ACCEPTING OFFICER

*These documents are not attached with the tender and can be seen in the office of **CWE (AF) Bikaner / GE (AF) Nal** during working hours.

Telephone: 2233650

Email : bikanerafengrs@gmail.com

REGISTERED/ACK DUE

Headquarters
Commander Works Engineers (AF)
Military Engineer Services
Bikaner-334001

No. 81382 / 23 /E8

24 Oct 2018

M/S.....

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CA NO CWE (AF) BKN/NAL-07/2018-19 : SPECIAL REPAIR TO EARTH PITS AT VARIOUS TECHNICAL INSTALLATIONS AT AF STN BIKANER

Dear Sir(s)

1. Tender documents in respect of above work are uploaded on the site **defproc.gov.in**. The tender is on single stage two cover/ two stage two cover/three cover e-tendering system. The contents of Cover I & Cover II are specified in NOTICE OF TENDER.
2. Bids will be received online by ACCEPTING OFFICER up to the 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 tenders/bidders or their authorized representatives, who have uploaded their quotation bid and who wish to be present at the time of opening 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 31 Oct 2018. You are requested not to write piece meal points and forward your points duly consolidated before due date viz 31 Oct 2018.
5. Un-enlisted 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 (EMD) and tender fee on e-procurement portal and submit the physical documents in the office of CWE (AF) Bikaner within time limit specified in NIT. Inadequacy/deficiency of documents shall make the bid liable for rejection resulting in disqualification for opening of finance bid.
6. (a) Contractor having not executed standing security bond and standing security deposit in any MES formation shall upload scanned copy of EARNEST MONEY DEPOSIT(EMD) mentioned in Notice of Tender and shall ensure receipt of hard copy of EMD 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.

(b) Contractor having not executed standing security bond and standing security deposit in any MES formation would be required to deposit individual security deposit on acceptance of tender which will be calculated with reference to the tendered cost as per scales laid down by MES for calculation of "EARNEST MONEY" enhanced by 25% subject to maximum of Rs. 1875000/- (Rupees Eighteen Lakhs seventy five thousand only).

7. Enlisted contractors of MES shall submit the scanned copies (pdf file) of enlistment letter, tender fee and such other documents as mentioned in Appx 'A' to NIT on e-procurement portal and submit physical documents in the office of CWE (AF) Bikaner before date & time fixed for this purpose.

8. 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.

9. 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.

10. 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 to this office.

11. **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.**

12. (a) Contractor having not executed standing security bond and standing security deposit in any MES formation shall upload scanned copy of EARNEST MONEY DEPOSIT (EMD) mentioned in Notice of tender and shall ensure receipt of hard copy of EMD 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.

(b) Contractor having not executed standing security bond and standing security deposit in any MES formation would be required to deposit individual security deposit on acceptance of tender which will be calculated with reference to the tendered cost as per scales laid down by MES for calculation of "EARNEST MONEY" enhanced by 25% subject to maximum of Rs. 1875000/- (Rupees Eighteen lakhs seventy five thousand only).

Yours faithfully

SIGNATURE OF CONTRACTOR
DATED _____

SIGNATURE OF THE OFFICER
ISSUING TENDER
APPOINTMENT: DCWE (Contracts)
For Accepting Officer

INSTRUCTIONS OF FILLING AND SUBMISSION OF TENDER**1. EARNEST MONEY**

Contractor(s) who are not enlisted with MES/Who are enlisted but have not executed the Standing Security Bond shall submit Earnest Money Deposit as detailed in Notice of tender in one of the following forms, along with their tender/bid:-

(a) Deposit at Call Receipt from the Scheduled Bank in favour of Garrison Engineer (AF) Nal.

(b) Receipted treasury Challan, the amount being credited to the Revenue Deposit Garrison Engineer (AF) Nal.

It is advisable that Earnest Money is deposited in the form of deposit call receipt from an approved Schedule Bank for easy refund. In case the tenderer/bidder wants to lodge 'EARNEST MONEY DEPOSIT' in any other form allowed by MES, a confirmation about its acceptability will be obtained from the Accepting Officer well in advance of the bid submission end date and time. Earnest Money Deposit shall be submitted in the name of concerned GE.

Notes: Earnest Money Deposit (EMD) in the form of cheque/Bank Guarantee etc will not be accepted. NON-SUBMISSION OF EARNEST MONEY DEPOSIT (EMD) (scanned copy along with Technical Bid & hard copy before the date & time fixed for opening of BOQ) WILL RENDER THE BID DISQUALIFIED FOR OPENING OF COVER II (FINANCE BID).

2. SECURITY DEPOSIT

In case the tender submitted by such contractor who is not enlisted with MES is accepted, the contractor will be required to lodge with the Controller of Defence Accounts 'INDIVIDUAL SECURITY DEPOSIT' calculated with reference to TENDERED COST as notified by the Accepting Officer subject to a maximum of Rs 18,75,000/-. The amount is required to be lodged within 30 (Thirty) days of the receipt by the contractor of notification of acceptance of tender/bid, failing which the sum shall be recovered from the 1st RAR payment or from the Final bill (See condition 22 of IAFW-2249).

3. CONTRACTORS ENLISTED UNDER CHIEF ENGINEER WESTERN COMMAND CHANDIMANDIR AND WHO HAVE EXECUTED SECURITY BOND AND DEPOSITED STANDING SECURITY DEPOSIT BUT OF A LOWER CLASS

In case the tender/bid is accepted the amount of Additional security Deposit will be as notified by the Accepting Officer. The amount will be the difference between the 'Individual Security Deposit' calculated with reference to the "TENDERED COST" and the standing security deposit lodged. The amount is required to be lodged within 30 (Thirty) days of the receipt by the contractor of notification of acceptance of tender/bid, failing which the sum shall be recovered from the 1st RAR payment or from the Final Bill (Refer condition 22 of GCC (IAFW-2249)).

4. CONTRACTORS ENLISTED IN MES FORMATIONS OTHER THAN CHIEF ENGINEER WESTERN COMMAND, CHANDIMANDIR

Contractors whose names are on the approved list of any MES formations, i.e. other than Chief Engineer, Western Command and who have deposited Standing Security and have executed Standing Security Bond, may tender/bid without depositing Earnest Money with bid and if the Accepting Officer decides to accept their tender/bid, such tenderers will be required to lodge Security Deposit as notified by the Accepting Officer. The amount is required to be lodged within 30 (Thirty) days of the receipt by the contractor of notification of acceptance of tender/bid, failing which the sum shall be recovered from the 1st RAR payment or from the Final Bill.

5. GENERAL INSTRUCTIONS FOR COMPLIANCE

5.1 The bids received only in the electronic form will be considered. All bids shall be submitted on 'eprocuremes.gov.in' portal. Documents should be scanned and forwarded in 'pdf' form and 'xls' form as indicated.

5.2 Bids shall be uploaded on 'eprocuremes.gov.in' portal on or before the bid closing date mentioned in the tender. No tender/id in any other electronic or physical form like email/fax/by hand/ through post will be considered.

5.3 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.

5.4 Drawings, if issued in physical form, must be returned duly initialed by the tenderer/bidder in separate envelope indicating his name and address.

5.5 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 the tender. Any tender/bid, which proposes alterations to any of the conditions whatsoever, is liable to be rejected.

5.6 In the technical bid, a scanned copy of Power of Attorney in favour of the person uploading the bid using his/her 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. 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.

5.7 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 alid down in its Memorandum & Article of Association.

5.8 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.

5.9 Bid (Cover- 1 & 2) shall be uploaded online well in time.

5.10 The contractor shall employ only Indian Nationals after verifying their antecedents and loyalty. Attention is also drawn to conditions 3 referred hereinafter and also conditions 24 & 25 of IAFW 2249.(General Conditions of Contract)

5.11 Tenderers/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.

5.12 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.

5.13 In case the tenderer/bidder has to revise/modify the rates quoted in the BOQ (excel sheet) he can do so only in the BOQ, through defproc.gov.in site only before the bid closing time and date.

6. REVOKATION/REVISION OF OFFER UPWARD/ OFFERING VOLUNTARY REDUCTION, AFTER BID SUBMISSION END DATE AND TIME

In the event of tenderer/bidder revoking his offer or revising his rates upward/offering voluntary reduction, after closing of bid submission date & time, his offer will be treated as revoked and the Earnest Money deposited by him shall be forfeited. In case of MES enlisted Contractors, the amount equal to the Earnest Money stipulated in the Notice of tender, shall be notified to the tenderer/bidder for depositing the amount through MRO. Bids of such Contractors/bidders shall not be opened till the aforesaid amount equal to the earnest money is deposited by him in Govt Treasury. In addition, bids of such tenderer/bidder and his related firm shall not be opened in second call or subsequent calls. Reduction offered by the tenderer/bidder on the freak high rates referred for review shall not be treated as voluntary reduction.

7. CPM (Critical Path Method)

7.1 The project planning for work covered in the scope of tender is based on CPM.

7.2 The tenderers are 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 may make use of.

7.3 The tenderer's attention is drawn to Special Conditions of the tender regarding preparation of the detailed net work analysis and time schedules 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 will be taken as his technical insufficiency and will affect his class of enlistment and future prospects/invitation to tenders for future work.

7.4 Department may issue amendments/errata in form of CORRIGENDUM to the tender documents/revised BOQ to the tender documents. The tenderer/bidder is required to read the tender documents in conjunction with the errata/amendments/corrigendum, if any, issued by the department.

8. These instructions shall form part of the contract documents.

**SIGNATURE OF CONTRACTOR
DATED:**

**DCWE (CONTRACTS)
FOR ACCEPTING OFFICER**

MILITARY ENGINEER SERVICES
NOTICE INVITING TENDER (NIT)

1. A tender is invited for the work as mentioned in Appendix 'A'.
2. The work is estimated to cost as indicated in the aforesaid Appx 'A'. This estimate however, is not a guarantee and is merely given as rough guide and if the work cost more or less tenderer will have no claim on this account. The tender shall be based on as indicated in the aforesaid Appx 'A'.
3. The work is to be completed within the period as indicated in the aforesaid Appx 'A' (In accordance with the Phasing, (if any) from the date of handing over site, which may be one or about two weeks after the date of Acceptance of the tender.
4. Normally contractors whose names are on the MES approved list for the areas in which the work lies and within whose financial category, the estimated amount would fall may tender/bid but in case of term contract, contractors in categories 'SS' to 'E' may tender/bid. In case, where the tender amount is in excess of the financial limit of the contractor and the Accepting Officer decides to accept the tender/bid, in which event the tenderer/bidder would be required to lodge additional security deposit as notified by the Accepting Officer in term of conditions of contract. Contractors whose names are on the MES approved list of any MES formation and who have deposited standing security and have executed standing security bond may also tender/bid without depositing Earnest money along with the tender/bid and if the tender/bid submitted by such a tenderer/bidder is accepted, the contractor will be required to lodge with the Controller of Defence Accounts concerned the amount of Individual security deposit within thirty days of the receipt by him of notification of acceptance of his tender/bid, failing which this sum will be recovered from 1st RAR payment or from the first final bill. In the case of term/running contracts, remaining sum shall be recovered from subsequent bill(s) of the contractor. Not more than one tender/bid shall be submitted/uploaded by one contractor or one firm of contractors. 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. A breach of this condition will render the tenders/bids of both the parties liable for rejection.
5. The office of HQ CWE (AF) Bikaner-334001 will be Accepting Officer, here in after refer to as such for the purposes of this contract.
6. The Technical Bid and Financial Bid (Cover-1 and Cover-2) shall be uploaded by the tenderer/bidder on or before the date & time mentioned in NIT. A scanned copy of DD 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 encasing the DD and shall not have any claim from Government whatsoever on this account.
 - 6.1 Tender forms and conditions of contract and other necessary documents will be available on eprocuremes.gov.in/eprocure.gov.in site for download and shall form part of contract agreement in case the tender/bid is accepted.
 - 6.2 In case of contractor who has not executed the Standing Security Bond, the Cover-I 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 concerned GE (see Appendix 'A') by a scheduled Bank or in receipted treasury Challan the amount being credited to the revenue deposit of the concerned GE (see Appendix 'A').

NOTICE INVITING TENDER (NIT) (Contd.....)

6.3 A contractor who is not enlisted for the area in which the work lies but whose name is in the MES approved list of any MES formation and who has deposited standing security and executed standing security Bond may bid without depositing earnest money along with the tender, but if the Accepting officer accepts the tender/bid, the contractor will be required to lodge with the Controller of Defence Accounts concerned the amount of 'Individual security deposit' within thirty days of the receipt by him of notification of acceptance of his tender/bid, failing which this sum will be recovered from 1st RAR payment or from the first final bill. In the case of term/running contracts, remaining sum shall be recovered from subsequent bill(s) of the contractor.

6.4 A contractor who has executed standing security Bond but not corresponding the appropriate class as mentioned above, shall lodge with the Accepting Officer, Additional Security Deposit as notified by the Accepting Officer within thirty days of the receipt of his notification of acceptance of his tender/bid, failing which this sum will be recovered from the first RAR payment or from the first final bill. In the case of term/running contracts, remaining sum shall be recovered from subsequent bill(s) of the contractor. However, in case where any payment is made to the contractor within thirty days of the receipt by him of notification of acceptance of tender/bid, the amount of additional security deposit shall be recovered from such payment.

6.5 The GE will return the Earnest Money wherever applicable to all unsuccessful tenderers/bidders by endorsing an authority on the deposit-at-call receipt for its refund, on production by the tenderer, bidder a certificate of the Accepting Officer that a bonafide tender/bid was received and all documents were returned.

6.6 The GE will either return the Earnest to the successful tenderer/bidder by endorsing an authority on the deposit-at-call receipt for its refund on receipt of an appropriate amount of Security Deposit or will retain the same in part or full on account of security deposit if such a transaction is feasible.

6.7 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 during working hours.

7. The tenderers/bidders are advised to visit the 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.

8. 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.

9. 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.

10. 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 (NIT) (Contd.....)

11. Invitation for e-tender does not constitute any guarantee for validation of 'T' bid and subsequent opening of finance bid of any applicant/bidder, even of enlisted contractors of appropriate class, merely by virtue of enclosing DD. Accepting Officer reserves the right to reject the 'T' bid and not open the finance bid of any applicant/bidder. 'T' bid validation shall be decided by the Accepting Officer based on, inter alia, capability of the firm as per criteria given in Appx 'A' to this NIT. The applicant contractor/bidder will be informed regarding non-validation of his 'T' bid assigning reasons thereof through the www.eprocuremes.gov.in website. The applicant contractor/bidder if he so desires may appeal to the next higher Engineer authority viz HQ CE (AF) WAC Palam on email id CEZAF2- mes@nic.in with copy to the Accepting Officer on email before the scheduled date of opening of Finance Bid. The decision of the Next Higher Engineer Authority (NHEA) shall be final and binding. The contractor/bidder shall not be entitled for any compensation whatsoever for rejection of his bid.

12. The Accepting Officer reserves the right to accept a tender submitted by a Public Undertaking, giving a price preference over other Tender(s)/ bids 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.

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

14. This Notice Inviting Tender (NIT) including Appendix 'A' shall form part of the contract.

**SIGNATURE OF CONTRACTOR
DATED:**

**DCWE (CONTRACTS)
FOR ACCEPTING OFFICER**

APPENDIX 'A' TO NOTICE INVITING TENDER

1	Name of work	SPECIAL REPAIR TO EARTH PITS AT VARIOUS TECHNICAL INSTALLATIONS AT AF STN BIKANER
2	Estimated Cost	Rs 13.00 Lakhs (At par Market)
3	Period of completion	120 days
4	Cost of tender documents	Rs. 500.00 In the shape of DD / Bankers cheque from any schedule Bank in favour of GE (AF) Nal and payable at Bikaner
5	Website/ portal address	defproc.gov.in and www.mes.gov.in
6	Type of contract	The tender shall be item rate contract based on IAFW-1779- A (Revised-1955) and GCC (IAFW-2249) and with list of works to be quoted by the contractor.
7	Information & Details	
	(a) Bid submission start date	26 Oct 2018
	(b) Last date of bid submission	03 Nov 2018
	(c) Date of bid opening	05 Nov 2018
8	Eligibility Criteria	
	(A) For MES enlisted contractors	All contractors enlisted with MES in Class ' E ' and above and category (b) (i) shall be considered qualified provided they do not carry adverse remarks in WLR of competent engineer authority.
	(B) For other contractors	(a) The firms not enlisted with MES shall meet the enlistment criteria of 'E' class MES contractors & category (b) (i) i.e. with regard to having satisfactorily completed requisite value works, Annual turnover, Solvency, working capital, immovable property/fixed assets, T&P, Engineering establishment, no recovery outstanding in any Govt Department, Police verification/ Passport etc. Enlistment criteria may be seen in Para 1.4 of Section 1 of Part I of MES Manual on Contracts – 2007 (Reprint 2012) as available in all MES formations. (b) These firms shall also submit copy of Police verification from police authority of the area where the registered office of the firm is located/notarised copy of valid passport of proprietor / each partner/ each Director. (c) They should not carry adverse remarks in WLR/ or any other similar report of any authority.
	(C) For all contractors	Contractor will not be allowed to execute the work by subletting or through power of attorney holder on his behalf to a third party/ another firm except sons/ daughters of proprietor/ partner/Director and firms own employees, Director, Project Manager. This shall be subject to certain conditions which will be prescribed in the NOT forming part of the tender documents.
9	Tender issuing and Accepting Officer	CWE (AF) Bikaner
10	Executing agency	GE (AF) Nal
11	Earnest Money	Rs 26,000.00 in favour of GE (AF) Nal.

APPENDIX 'A' TO NOTICE INVITING TENDER ...Contd**NOTES:-**

- (a) (i) Applications 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.
- (ii) Tenderers/bidders to note that they should ensure that their original DDs and earnest money (as applicable) are received within 05 (Five) days of bid submission end date.
- (iii) In case of applications from enlisted contractors of MES, where scanned copies of requisite DD / Bankers Cheque towards cost of tender has been uploaded but physical copies are not received by the stipulated date, finance bids 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.
- (iv) In case of applications from unenlisted contractors, where scanned copies of requisite DD / Bankers cheque towards cost of tender has been uploaded but physical copies are not received by the stipulated date, finance bids 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.
- (v) In case of applications / bids (enlisted contractor as well as unenlisted contractor) where scanned copies of requisite Earnest money (as applicable) were uploaded but the same are not received in physical form within stipulated time, such bids shall not qualify for opening of finance bid.
- (b) Contractors enlisted with MES will upload following documents for checking eligibility:-
- (i) Applications for bid in Firm's letter head.
 - (ii) Enlistment letter.
 - (iii) Scanned copy of DD of cost of tender.
 - (iv) Scanned copy of EPF code No
 - (v) GST registration No
- (c) Contractors not enlisted with MES will be required to upload necessary documents to prove their eligibility for enlistment in eligible class & category of work, including Affidavit for no recovery outstanding. List of documents required for enlistment in MES has been given in Para 1.5 of Section 1 of Part I of MES Manual on Contracts 2007 (reprint 2012). Following documents shall also be uploaded amongst others:-
- (i) Details of three highest valued similar nature of works executed during last five years, financial year-wise in tabular form giving name of work, Accepting Officer's tender details, viz, Address, Telephone, FAX No., E-mail ID etc, date of acceptance of tender and actual date of completion. This shall be duly signed by proprietor / all partners / authorized director of Pvt / Public Ltd, as applicable. It should indicate whether extension was granted or compensation was levied. Attested copy of acceptance letter and completion certificate shall be enclosed of each work. In case performance report has been given by the client same shall also be submitted duly attested.
 - (ii) Solvency certificate and working Capital Certificate issued by Scheduled bank.
 - (iii) Annual turnover certificate for last 2 years issued by Chartered Accountant alongwith relevant pages of audited balance sheets in support thereof.
 - (iv) Affidavits for possession of movable & immovable properties by proprietor / partner owning the immovable property alongwith Valuation Certificate from Regd Valuer in support of movable & immovable properties. In case of Limited company, the immovable property is required to be in the name of the company. In addition of Limited Company, the immovable property is required to be in the name of the Company.
 - (v) In addition, the unenlisted contractors shall also furnish affidavit on non-Judicial stamp paper in the form of hard copy declaring their turnover for last 2 (Two) years.
 - (vi) Scanned copy of DD of cost of tender and earnest money.
 - (vii) Scanned copy of EPF code No
 - (viii) GST registration No

APPENDIX 'A' TO NOTICE INVITING TENDER ...Contd

(d) In case of rejection of technical/ prequalification bid, contractor may appeal to next higher Engineer authority i.e. HQ CE (AF) WAC, Palam on email id CEZAFP2-mes@nic.in with a copy to Accepting officer on email id bikanerafengrs@gmail.com against rejection within 5 days of uploading of 'Technical evaluation summary'. The decision of Chief Engineer (AF) WAC, Palam shall be final and binding. However, contractor / bidder shall not be entitled to any compensation whatsoever for rejection of technical / prequalification bid..

(e) Bidders shall note that court of the place from where tender has been issued 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

81382/16/E8

Headquarter
Commander Works Engineers (AF)
Bikaner

DCWE (Contracts)
for CWE (AF) Bikaner

Dated : 24 Oct 2018

IN LIEU OF IAFW-1779-A (REVISED 1955)

(To be read in conjunction with General Conditions of contracts IAFW-2249, 1989 print)

Telephone: 2233650

E-TENDER

Headquarters

Commander Works Engineers (AF)

Bikaner-334001

No. 81382/ 23 /E8

24 Oct 2018

**CA NO CWE (AF) BKN/NAL-07/2018-19 : SPECIAL REPAIR TO EARTH PITS AT
VARIOUS TECHNICAL INSTALLATIONS AT AF STN BIKANER**

1. M/s _____
of _____ is/are hereby authorized to tender for the above
work. The tender is to be **QUOTED ONLINE AT THE WEBSITE OF MES “defproc.gov.in”
by 03 Nov 2018 up to 1800hrs.**

2. All correspondence concerning this tender shall be addressed as indicated at the top of this
sheet quoting the reference as given above.

**THE PRESIDENT OF INDIA DOES NOT BIND HIMSELF
TO ACCEPT THE LOWEST OR ANY TENDER**

**SIGNATURE OF THE OFFICER
ISSUING TENDER
APPOINTMENT: DCWE (Contracts)**

**SIGNATURE OF CONTRACTOR
DATED _____**

DATED _____

SCHEDULE "A" NOTES

1. The scope of work '**SPECIAL REPAIR TO EARTH PITS AT VARIOUS TECHNICAL INSTALLATIONS AT AF STN BIKANER**' covered under this contract is detailed as below :-

Descriptions of works given in Schedule 'A' are in brief. These are deemed to be amplified and read in conjunction with Special Conditions, Particular Specifications, specification for material and workmanship and conditions and preambles in relevant trade sections of MES Standard Schedule of Rates Part-I (2009) & Part-II (2010) & contract drawings (including notes there on).

2. **PERIOD OF COMPLETION: - The Entire work covered under this contract shall be completed within a period of 120 days from the date of commencement of work.**
3. Unit rate quoted against each item as described in Sch 'A' shall also include the cost of any cutting, leaving, forming, holes/chases etc in walls, as required and making good. No adjustment shall however, be made separately on this account.
4. All items and quantities are '**PROVISIONAL**' and these may be varied keeping in view actual requirements to the extent as specified in Condition 7 (c) of IAFW-2249.
5. Unit rate of all items shall be inclusive of supply & fix, material & labour, laying, jointing, testing etc. (as applicable) unless mentioned specifically as fixing only or hanging only or supply only and the like.
6. The Sch 'A' has not been pre-priced by the MES as elaborated in BOQ. The tenders shall quote/upload their rates under respective columns against various items, The total amount of whole BOQ shall be summed up automatically at the end. The total amount so summed up shall be carried forward to the General Summary/Acceptance page at the place provided for. The total amount so arrived out (**By deducting amount of Credit, where applicable**) shall not be firm but will be treated as "Contract sum" as per condition 6 (A) of IAFW-2249. Tenderers shall upload revised BOQ/revised pages of BOQ (where applicable) only. Financial bid not quoted/uploaded on revised pages of BOQ shall be treated as non bonafied and Bid of tenderer as a whole shall be rejected.
7. The old unserviceable dismantled/demolished material(as decided by the Engr-in-charge) shall become the property of the contractor and the amount of credit shall be deducted from the contractor's RAR, as shown in Schedule of Credits, when become due after demolition/dismantling of respective items and finally from the last RAR. The contractor shall not have any extra claim if the material obtained from dismantling etc are found cracked, disfigured or broken. The old unserviceable dismantled/demolished material shall not be used in the work. Any other old material, not shown in the Sch of Credits & mentioned in Sch 'A' to be reused, shall become the property of the deptt and the contractor shall deposit the same in the MES Store yard without any extra cost. While working out contract sum, the amount of Schedule of Credit shown shall be deducted from the quoted tender amount before making acceptance of tender.
8. (a) The rate quoted by the tenderer shall be inclusive of all types of taxes levies including GST,labour welfare tax etc. as prevailing on the end date of submission of bid. It may be noted that conditional tender regarding this aspect and/or on any other account will not be considered and shall be liable to be **REJECTED**.
- (b) Certain taxes such as central excise duty, service tax, additional custom duty, state level value added tax, octroi and other levies which were applicable on interstate transportation of goods are subsumed by GST, thus special condition for Reimbursement/refund on variation in prices in taxes directly related to contract value of tender shall be deemed to be amended incorporating GST in lieu of taxes subsumed by GST.

SIGNATURE OF CONTRACTOR
DATED:

DCWE (CONTRACTS)
FOR ACCEPTING OFFICER

BOQ PAGES

(SRL PAGE NO 15 TO 16)

SCHEDULE OF CREDIT

Srl No	Description of Work	Unit Rate Rs. Ps.	No. of Units	Amount Rs. Ps.
1	2	3	4	5
1	Old unserviceable earth plate of any size	<u>200.00</u> Each	90.00	18000.00
2.	Old unserviceable copper/GI Strip of any size any type	<u>25.00</u> RM	350	8750.00
3.	Old unserviceable GI Pipe of 15 mm dia any type	<u>15.00</u> RM	300.00	4500.00
Total Rs.				31250.00

Notes:

1. Rate of credit given in this Schedule is firm.
2. The quantities given in Col-04 of Schedule of credit is provisional and may vary and recovery will be made for the actual quantity retrieved at site. Actual quantity shall be as obtained and recorded in MB jointly by Engineer-in-Charge and contractor.
3. The retrieved material shall be removed by the contractor without any extra cost to Govt.
4. The materials not included in credit schedule, if required to be taken out/dismantle shall be Govt. property and shall be removed to MES store yard of concerned GE without any extra cost.
5. No rebate on Schedule of credit shall be accepted.
6. Amount of credit shall be recovered from RARs during execution of works as work proceeds.

SIGNATURE OF CONTRACTOR
DATED:

DCWE (CONTRACTS)
FOR ACCEPTING OFFICER

SCHEDULE 'B'
LIST OF MATERIALS TO BE ISSUED TO THE CONTRACTOR
(REFER CONDITION 10 OF IAFW-2249)

Ser. No.	Particulars	Unit	Rate at which materials etc. will be issued to Contractor Rate in Rs.	Place of issue by name	Remarks
1	2	3	4	5	6

- NIL -

SIGNATURE OF CONTRACTOR
DATED:

DCWE (CONTRACTS)
FOR ACCEPTING OFFICER

SCHEDULE 'C'
ISSUE OF TOOLS AND PLANTS (OTHER THAN TRANSPORT) WHICH WILL BE
HIRED BY THE CONTRACTOR
(REFER CONDITION 15, 34 AND 35 OF IAFW-2249)

Ser. No.	Quantity	Particulars	Details of MES Crew supplied	Hire charges per unit per working day	Stand by charges per unit per day	Place of Issue	Remarks
1	2	3	4	5	6	7	8

- NIL -

SIGNATURE OF CONTRACTOR
DATED:

DCWE (CONTRACTS)
FOR ACCEPTING OFFICER

SCHEDULE 'D'
TRANSPORT TO BE HIRED BY THE CONTRACTOR
(REFER CONDITION 16, AND 35 OF IAFW-2249)

Sr. No.	Quantity	Particulars	Rate per unit per working day	Stand by charges per unit per day	Place of Issue	Remarks
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- NIL -

SIGNATURE OF CONTRACTOR
DATED:

DCWE (CONTRACTS)
FOR ACCEPTING OFFICER

TENDER
TO THE PRESIDENT OF INDIA

Having examined and perused the following: -

1. Specification signed by DCWE (CONTRACTS)
2. Drawings detailed in the list of drawings.
3. Schedule 'A', 'B', 'C' and 'D' attached hereto.
4. MES Standard Schedule of Rates Part I (Specification) 2009 together with amendment No. 1 to 3 for Part-I and Part II (Rates) 2010 together with amendment No. 1 to 59 for Part-II as applicable to above Schedule (Here-in-after and in IAFW-2249 referred to as the MES Schedule).
5. General conditions of contract IAFW-2249 (1989 Print) together with amendment No. 1 to 40 and errata No. 1 to 20.

6. **WATER (CONDITION 31 of IAFW-2249: GENERAL CONDITIONS OF CONTRACTS) :-**

Water will be supplied by MES and shall be charged at rate of Rs 3.75/- per every Rs 1000/- worth work done priced at contract rate.

7. Should this tender be accepted, I/We ** agree: -

*(a) That the sum of Rs. 26,000.00 (Rupees Twenty Six Thousand only) forwarded as Earnest Money shall either be retained by the Government on account of the Security Deposit or shall be refunded by the Government on receipt of the full amount of Security Deposit within time specified in condition 22 of IAFW-2249.

(b) To execute all the works referred to in the said documents upon the terms and conditions contained or referred to therein and as detailed in General Summary here in after and to carry out such deviations as may be ordered, vide condition 7 of IAFW-2249 upto a maximum of 10% (TEN PERCENT) and further agree to refer all disputes as required by condition 70 of IAFW-2249 to the 'Sole Arbitrator', a serving officer having the degree in Engineering or equivalent or having passed final/Direct final examination of sub-division II of Institution of surveyors (India) New Delhi recognized by Govt. of India, to be appointed by Chief Engineer (AF) WAC Palam, Delhi Cantt, or in his absence, the officer officiating as Chief Engineer (AF) WAC Palam, Delhi Cantt , whose decision shall be final, conclusive and binding.

* Delete where not applicable.

** Delete whichever is not applicable.

TENDER (CONTD.)

Signature _____ in the capacity of _____

duly authorized to sign tender for on behalf of _____ (in block capitals)

Witness _____ Postal Address _____

Signature _____

Address _____ Telegraphic Address _____

ACCEPTANCE

_____ Alterations have been made in this document and as evidence that these alterations were made before the execution of the contract agreement; the contractor and Shri DK Jha, DCWE (Contracts) have initialed these. The said officer's is/are hereby authorized to sign and initial on my behalf all the documents forming part of the contract.

The above tender is/was accepted by me on behalf of the President of India for the contract sum of Rs. _____

(Rupees _____

_____).

on the _____ day of _____ Month of 2018

Dated this _____ day of _____ 2018.

Signature _____

**APPOINTMENT: ACCEPTING OFFICER
Commander Works Engineers (AF) Bikaner-334001
(FOR AND ON BEHALF OF THE PRESIDENT OF INDIA)**

GENERAL CONDITIONS OF CONTRACTS (IAFW-2249 :PRINT-1989)
FOR LUMP SUM CONTRACTS (IAFW-2159)/MEASUREMENT CONTRACTS
(IAFW 1779 & 1779A)

It is hereby agreed by * me/us that the General Conditions of contracts including condition 70 pertaining to settlement of disputes by Arbitration (IAFW-2249-1989 Print) containing 33 pages (Serial Page No 21 to 53 with errata No 1 to 20 containing two Pages (Serial Page No 54 to 55) and amendment Nos 1 to 17 containing five pages (Serial Page Nos 56 to 60) and amendment No 18 to 40 issued by MOD vide letter No PC-1 to 33487/IAFW 2249/R/01/2011/D(Works-II) dated 24th March 2015 containing thirteen pages (Serial Page Nos 61 to 73) for English version only forms part of the contract, though not enclosed with the tender documents.

This tender submitted by * me/us is subject to the aforesaid General Conditions of Contracts in IAFW-2249, a copy of which has been supplied to * me/us and is in * my/our possession and which * I/We have read and understood before submission of the tender.

*My/our signature hereunder is deemed to be * my/our having signed the aforesaid General Conditions of Contracts together with errata and amendments (IAFW-2249-1989 Print) forming part of this tender.

*To be deleted whichever is not applicable.

SIGNATURE OF CONTRACTOR
DATED:

DCWE (CONTRACTS)
FOR ACCEPTING OFFICER

SCHEDULE OF MINIMUM FAIR WAGES

It is hereby agreed that the "Schedule of Minimum Fair Wages" (SMFW) as published vide Government of India Notification dated 10 Mar 92 (Revised up to date) forms part of these tender documents.

My/Our signature hereunder amounts to my/our having read and understood the provisions contained therein and I/We agree that I/We shall abide by the same and that aforesaid documents form part of this tender.

**SIGNATURE OF CONTRACTOR
DATED:**

**DCWE (CONTRACTS)
FOR ACCEPTING OFFICER**

NOTE: "Schedule of Minimum Fair Wages" referred to above is available for reference, in the Office of Accepting Officer"

SPECIAL CONDITIONS

1. GENERAL

The following Special Conditions shall be read in conjunction with the General Conditions of Contracts, IAFW-2249 and IAFW-1779A including Errata/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. ADMISSION TO SITE BY CONTRACTOR & RESPONSIBILITY TO ASCERTAIN HIS OWN INFORMATION

(a) The tenderers shall contact the Garrison Engineer for the purpose of inspection of site(s) and relevant documents other than those sent herewith, who will give reasonable facilities for this purpose. The tenderers shall also make themselves familiar with working conditions, accessibility of site(s) availability of materials and other cogent conditions which may affect the entire completion of work under this contract.

(b) The tenderers shall be deemed to have visited the site(s) and made themselves familiar with the working conditions, whether they actually inspect the site (s) or not. No claim, what so ever may be, shall be admissible to the contractor on this account.

3. SECURITY AND PASSES

3.1 Refer Condition 25 of IAFW-2249. The contractor shall employ only Indian Nationals as his representatives, servants and 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 work. If for reasons of technical collaboration or other consideration, the employment of any foreign national is unavoidable, the contractor shall furnish full particulars to this effect to the Accepting Officer at the time of submission of his tender.

3.2 The contractor shall, on demand by the Engineer-in-Charge, submit list of his agents, employees and work people concerned and shall satisfy the Engineer-in-Charge as to the bonafides of such people.

3.3 The Engineer-in-Charge shall at his discretion have the right to issue passes as per rules and regulations of the installation/Area in force to control the admission of the contractor, his agents, and employees and work people to the site of the work or any part thereof. Passes should be returned at any time on demand by the Engineer-in-Charge or the authorities concerned and in any case on completion of work.

3.4 The contractor and his agents, employees and work people shall observe all the rules promulgated by the authority controlling the installation/area in which the work is to be carried out e.g. 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. CONDITIONS OF WORKING IN RESTRICTED AREA WORK LIES IN RESTRICTED AREA

4.1. **Visit to site within the Restricted Area:** permission to enter the restricted area at the time of submission of tenders can be obtained through the Garrison Engineer. Tenderers are advised to send prior intimation of their agent, representative etc. if any, dates and time of their proposed visit so that necessary arrangements may be made by GE to secure admission. Whether tenderer visit the site or not he shall be deemed to have full knowledge of the restrictions of entering into/exit from and within the Restricted area and other cognate conditions which may affect the entire completion of work under this contract.

SPECIAL CONDITIONS Contd...

4.2 **ENTRY/EXIT:** The contractor, his agent(s), representatives, workmen etc and his materials, carts, trucks or other means of transports etc, will be allowed to enter through and leave from such gate or gates and at such times as the GE or authorities In-charge of the restricted Area may at their sole discretion permit to be used. The contractor's authorised representative is required to be present at the place of entry and exit for the purpose to identifying his carts, truck etc to the personnel in-charge of the security of Restricted Areas.

4.3 **IDENTITY CARDS OR PASSES:** The contractors, his agents and representatives are required individually to be in possession of an identity card or pass duly verified by the police department. The identity card or pass will be examined by the security staff at the time of entry into or exit from the restricted area and also at any time or number of times inside the Restricted Area.

4.3.1 **IDENTITY OF WORKMEN:** Every Workman shall be in possession of an identity card. The identity card will be issued after thorough investigation of the antecedents of the labourers by the contractors and attested by the Officer-in-Charge of the unit concerned in accordance with the standing rules and regulations of the units.

4.3.2 Contractor shall be responsible for the conduct and action of his workmen agents or representative.

4.4 **SEARCH:** Thorough search of all persons and transport shall be carried out at each gate and for as many times as a gate is used for entry or exit and may also be carried out at any time or any number of times at the work site.

4.5 WORKING HOURS.

4.5.1 The units controlling Area, usually work during six days in the week and remain closed on the 7th day. The working hours available to contractor's labour and staff are however, appreciably reduced because of the time taken in security checks observed at the time of entry, exit and during working hours.

4.5.2. The exact working hours, days and non working days observed for the restricted area, where works are to be carried out shall be deemed to have been ascertained by the contractor before submitting his tender. The tenderer's attention is invited to the fact that the total numbers of working hours for a unit are prescribed in regulations and they cannot be increased by the Garrison Engineer.

4.6 **WORKING ON HOLIDAYS:** The contractor shall not carry out any work on gazetted holidays weekly holidays, and other non working days except when he is specially authorized in writing to do so by the GE. The GE may at his sole discretion declare any day as holiday or non working day without assigning any reason for such declaration.

4.7 FIRE PRECAUTIONS:

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

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

SPECIAL CONDITIONS Contd...

4.8 **FEMALE SEARCHER:** If the contractor desires to employ female labours on work to be carried out inside the area and a female searcher is not born on the authorised strength at the time of submission of the tender, he shall be deemed to have allowed in his tender for pay and allowances etc, for a female searcher (Class IV servant/GP `D` servant) calculated for the period female labour is employed by him inside that area. If more than one contractor has/have to be employed in addition to the authorised strength, the salary and allowances paid on an equitable basis between the contractors employing female labour taking in to consideration the value and period of completion of their contracts. The GE's decision on regard to the amount recoverable on this account from any contractor shall be final and binding.

5. MINIMUM WAGES PAYABLE

5.1 Refer Conditions 58 of IAFW-2249. The contractor shall not pay wages lower than minimum wages for labour as fixed by the Govt. of India/State Govt. under Minimum Wages Act or Contract Labour (Abolition and Regulation Act), whichever is higher.

5.2 The fair wage referred to in condition 58 of IAFW-2249 will be deemed to be the same as the minimum wages payable as referred to above.

5.3 The contractor shall have no claim whatsoever, if on account of local factors and or regulations, he is required to pay the wages in excess of minimum wages as described above during the execution of work.

6. ROYALTIES

Refer Condition 14 of General Conditions of Contracts (IAFW-2249). No quarries on Defence land are available.

7. LAND FOR TEMPORARY WORKSHOPS, STORES ETC.

Delete the following from lines 5 to 9 of sub para 1 of condition 24 of IAFW-2249 reading "In the event of _____ allotted to him" and insert as under: -

"Separate land will be allotted to the contractor for the storage of materials, temporary workshop and offices, for which he shall pay the nominal rent of Rupee 1/- per year or part of a year as mentioned in condition 24 of IAFW 2249. The land/open space available within vicinity of site of work as directed by GE may also be used by the contractor for these purposes but free of charge. No land for accommodation of Labour will be allotted."

8. WATER

8.1 Refer condition 31 of General Conditions of Contracts IAFW-2249 and clause 1.13 of MES Schedule:-

8.2 Water will be supplied by MES at point(s) marked on site plan or as decided by GE. As the water supply by MES is likely to be intermittent/short supply, the contractor shall make his own arrangements for storing the water required for the works, labour and workmen etc. at his own expense. The contractor shall not have any claim on account of short/intermittent supply and shall make his own arrangements to supplement the requisite quantity of water.

9. CO-OPERATION WITH OTHER AGENCIES

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

SPECIAL CONDITIONS Contd...**10. ELECTRIC SUPPLY**

10.1 Electric supply required for the work upto a maximum of 50 KW single phase shall be made available by MES from the location of existing transformer. The exact location of the electric point(s) will be shown by the GE. KWH meters to register the electric energy supplied and main switch shall be provided and installed by the MES. Contractor shall provide all necessary cables, fittings etc. from the tapping point in order to ensure a proper and suitable supply of electricity for execution of work.

10.2 The contractor will be charged for the electric energy consumed for the execution of works at **Rs 8.10 per unit** for lighting as well as for power.

10.3 MES do not guarantee continuity of supply and no compensation whatsoever shall be allowed for supply becoming intermittent or for breakdown in the system.

10.4 GE or his representative shall be free to inspect all the power consuming devices or any electric lines provided by the contractor. Any devices or electric lines provided by the contractor, which are not to the satisfaction of the GE, shall be disconnected from the supply, if so directed by him and no claim for compensation whatsoever may be, shall be allowed on this account.

11. CRITICAL PATH METHOD

11.1 The time and progress chart to be prepared as per condition 11 of General Conditions of Contracts (IAFW-2249) 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 tender. The time scheduling 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 a firm calendar date Schedule will be prepared and submitted by the contractor to the GE who will approve it after due scrutiny. The schedule will be submitted in four copies within two weeks from the date of handing over the site.

11.2 During the currency of the work, the contractor is expected to adhere to the time schedule and this adherence will be part of his performance under the contract. During the execution of the work, the contractor is expected to participate in the reviews and updating of the net work undertaken by the GE. These reviews may be undertaken at the discretion of the GE, either as a periodic appraisal measure or when the quantum of work ordered on the contractor is substantially changed through deviation orders or 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 who will approve it after due scrutiny.

11.3 The contractor shall adhere to the revised time schedule thereafter. In case of contractor disagreeing with 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 a 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.

11.4 Contractor shall mobilize and employ sufficient resources to achieve the detailed schedule within the broad framework of the accepted method of working and safety. No additional payment will be made to contractor for any multiple shift of work or other intensive methods contemplated by him in his schedule, even though the time schedule approved by GE.

SPECIAL CONDITIONS Contd...**12. SAMPLE OF MATERIALS**

12.1 Refer condition 10 of I.A.F.W. 2249 and clause 1.6 & 1.7 of MES Schedule, Part-I.

12.2 Materials provided by the contractor for incorporation in the works shall, unless otherwise specified in the particular specifications, be ISI marked. IS means Indian Standards as issued by the Bureau of Indian Standard. Wherever in the specifications 'I.S.' is referred to, it means the edition with all amendments, current on the due date of receipt of the tender documents. The materials listed in Appendix 'B' shall be of the makes as specified therein.

12.3 The tenderer is advised to inspect other materials, which are displayed in the office of GE, before submitting his tender. The tenderer shall be deemed to have inspected the samples and satisfied himself as to the nature and quality of materials he is required to incorporate in the work irrespective of whether he has actually inspected them or not. The materials to be incorporated in the work by the contractor shall be I.S marked or shall be equal or superior in quality to sample displayed and shall comply with the specifications given hereinafter.

12.4 The contractor shall not procure materials unless the samples are first got approved from the Garrison Engineer in writing.

13. RECORD OF CONSUMPTION OF CEMENT

13.1 The contractor shall maintain a pucca bound register with serially numbered pages with all pages initialed by Engineer-in-Charge against numbering showing quantities of cement received, used in work and balance at the end of each day. The form of record shall be as approved by Engineer-in-Charge. The register shall be signed daily by representatives of MES and the contractor in token of verification of its correctness and will be checked by Engineer-in-Charge, at least once a week and on the days cement is brought by the contractor.

13.2 The register shall be kept at site in safe custody of the contractor's representative during the progress of the work and shall on demand be produced for verification to the inspecting officer(s).

13.3 On completion of the work the contractor shall deposit the cement register with the Engineer-in-Charge for record.

14. BLANK.**15. PERIOD FOR KEEPING THE TENDER OPEN**

The tender shall remain open for acceptance for a period of 60 days from the bid submission end date (amended through subsequent amendment if any). Date shall be counted from the next date of final bid submission end date.

SPECIAL CONDITIONS Contd...**16. ADVANCE ON ACCOUNT OF MATERIALS WHICH DOES NOT LOSE IDENTITY (REFER CONDITION 64 OF IAFW-2249)**

16.1 The contractor may be paid advance on account of the full value of the under mentioned materials only, brought on the site, on his furnishing guarantee Bonds from a Scheduled Bank for the amount of retention money which should otherwise be recoverable from his dues under the contract.

(a) Cement, Steel, Aluminium strip/ Copper strip/ Galvanised Iron strip/
Galvanised Iron earth strip

(b) GI Pipes, PTMT Bib tap,

(c) Electrical and water supply fittings/fixtures where names of manufacturers/ brands are specified

16.2 The Bank Guarantee Bonds shall be executed for a period and on a form as directed by the Accepting Officer. The contractor shall further arrange to extend the period of Guarantee Bond if and when necessary, as directed by the Accepting Officer or shall furnish fresh guarantee bond of similar value in lieu.

16.3 It will be noted that advance on account to the full value of materials brought on the site is permissible only in respect of fittings and fixtures and other manufactured items which do not lose their identity. Materials like bricks, aggregate, pre-cast concrete and similar items shall not be taken in the list.

17. SECURITY OF CLASSIFIED DOCUMENTS

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

18. OFFICIAL SECRET ACT

The contractor shall be bound by the Official Secrets Act - 1923.

19. RECORD OF MATERIALS

19.1 The quantity of materials such as paints, bitumen, water proofing compound, chemicals for anti termite treatment and the like, as directed by the Engineer-in-Charge (the quantity of which cannot be checked after incorporation in the works), shall be recorded in measurement books and signed by the contractor and the Engineer-in-Charge as a check to ensure that the required quantity has been brought to site for incorporation in the work.

19.2 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.

SPECIAL CONDITIONS Contd...

19.3 The contractor shall, on demand, produce to the GE, original receipted vouchers/invoices in respect of the supplies. The vouchers/invoices 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 containers/packing, bearing manufacturer's marking except in the case of the requirement of material(s) being less than smallest packing.

19.4 Contractor shall produce vouchers/invoices from the manufacturers and/or their authorized agents for the full quantity of the following materials, as applicable as a pre-requisite before submitting claims for payment for advances on account of the work done and/or materials collected in accordance with Condition 64 of General Conditions of Contracts - IAFW-2249. Production of vouchers by the contractor shall be his MANDATORY contractual obligation and shall be fully filled by him.

19.5 The contractor may be paid advance on account of the full value of the under mentioned materials only, brought on the site, on his furnishing guarantee Bonds from a Scheduled Bank for the amount of retention money which should otherwise be recoverable from his dues under the contract.

(a) Cement, Steel, Aluminium strip/ Copper strip/ Galvanised Iron strip/
Galvanised Iron earth strip

(b) GI Pipes, PTMT Bib tap,

(c) Electrical and water supply fittings/fixtures where names of manufacturers/ brands are specified

20. **BLANK.**

21. **CONTRACTORS PLANT/EQUIPMENT AT SITE**

21.1 The contractor shall furnish to the Engineer-in-Charge every morning distribution return of his plants/equipment on the site of work stating the following particulars: -

- (i) Particulars of plants/equipment, their make, manufacturers Model No if any, Registration No if any, capacity, year of manufacture and year of purchase etc.
- (ii) Total No. (Quantity) on site of work.
- (iii) Location, indicating No., (quantity) at each location on the site of work.
- (iv) Purchase value on the date of purchase. For the purpose of the condition, plant/equipment, Vehicle No., i.e. of trucks and lorries but neither the workman's tools or any manually operated tools/equipment shall be given. The Engineer-in-Charge shall record the particulars supplied by the contractor in the works diary and send the return to the GE for record in his office.

21.2 **LOSS OR DAMAGE ON ACCOUNT OF ENEMY ACTION** :- If as a result of enemy action, the Contractor suffers any loss or damage, the Government shall reimburse to the Contractor such loss or damage to the extent and in the manner hereinafter provided: -

- (i) The loss suffered by him on account of any damage or destruction of his plant/equipment (as defined in special condition (a) above) or materials or any part or parts thereof. (The amount of loss assessed by the Accepting Officer of the Contract or the CWE in case of contracts accepted by GE, on this account shall be final and binding).
- (ii) The compensation paid by him under any law for the time being in force to any workman employed by him for any injury caused to him or to the workman's legal successors for loss of the workman's life.

SPECIAL CONDITIONS Contd...

- (iii) Payment of compensation for loss or damage to any work or part of work carried out (The amount of compensation shall be determined in accordance with condition 48 of General Conditions of Contracts IAFW-2249). No reimbursement shall be made nor shall any compensation be payable under the above provision unless the Contractor had taken Air Defence Precautions ordered in writing by the GE/OC concerned or in the absence of such orders, reasonable precautions. No reimbursement shall be payable nor shall any compensation be payable for any plant/equipment or materials not lying on site of work at the time of enemy action.

22. RELEASE OF ADDITIONAL SECURITY DEPOSIT

22.1 Refer Conditions 22 and 68 of IAFW-2249.

22.2 The contractor, in case he has to deposit additional security for the contract, is advised to deposit the additional security in two equal parts so as to facilitate its release in accordance with condition 68 of IAFW-2249.

23. CLEANING DOWN (Refer Condition 49 of IAFW-2249, General Conditions of Contracts) :-

The contractor shall clean all floors, walls, remove cement/lime/ paint marks/drops, etc., clean the joinery, glass panes etc., touch up all painters work and carryout all other necessary items of work in connection therewith and leave the whole premises in clean and tidy condition before handing over the building(s).

24. BLANK**25. TESTING OF MATERIALS****25.1 DEFINITIONS :-**

25.1.1 **SITE LABOATORY (FOR A LEVEL TESTS)** :- A laboratory for material testing established by the contractor at site of work for all the works costing more than Rs.1crore. However, for works costing less than Rs. one crore, it will be optional for the contractor to set up his site lab or he may carry out these tests in the Zonal lab or any other lab approved by GE for which recovery of charges shall be made as given in Appendix 'D' to the tender documents.

25.1.2 **ZONAL LABORATORY (FOR 'B' LEVEL TESTS)** :- The laboratory for material testing established by Zonal Chief Engineer..

25.1.3 National Test House/Engineering College/SEMT Pune (FOR 'C' LEVEL TESTS): Any of the National Test House/Engg College/SEMT Pune nominated by the GE in writing for a particular contract and test.

25.2 Frequency of testing of materials and the charges for testing, if tested in Zonal Lab are given at Appendix 'B'. GE may order additional tests depending upon nature of work as required at site. The contractor special attention is drawn that in case the difference in frequency of testing of tender as given in Appx 'B' the frequency given in particulars specification shall take precedence over the frequency given in Appx 'B'.

25.3 No material will be incorporated in the work unless it has been tested, found fit and approved by the GE.

SPECIAL CONDITIONS Contd...

25.4 Levels 'A' tests as described in Appendix 'B' will be conducted in the site lab of contractor for which no charge will be recovered as the same will be done at the cost of the contractor in his site lab. However, if the contractor does not carry out these tests, the tests shall be carried out in the Zonal lab or any other lab approved by the GE and then charges for tests shall be recovered from contractor. Contractor shall employ a competent technical person for testing as approved by GE and asked such tests shall be carried out in the presence of Engineer-in-Charge.

25.5 Level 'B' tests as described in Appendix 'B' will be conducted in Zonal Lab and charges for tests shall be recovered from contractor.

25.6 If any of the Level B tests cannot be conducted in Zonal Lab for whatsoever reason, the same will be got done under the arrangements of the contractor in a laboratory other than Zonal Lab approved by the GE in writing and charges for the same shall be borne by the contractor.

25.7 The GE will lay down, in writing, the approved laboratory for conduct of each of level 'C' tests. The charges for 'C' level tests shall be recovered from contractor as actual (where charges not given in Appx) or as given in Appendix 'D'.

25.8 Contractor shall provide all facilities such as materials and labour, tools/equipment for moulding, casting of cubes, conveyance of test cubes and other materials to be tested, to the laboratory as directed by the GE.

25.9 The samples for the tests will be drawn by the GE in the presence of the contractor/his authorised representative.

25.10 The lump sum amount quoted by the contractor shall deem to include: -

[a] Expenses on account of testing in zonal lab and/or in pursuance of Para 25.1.1, 25.1.2, 25.4 & 25.5.

[b] Expenses on account of testing in any laboratory approved by the GE in pursuance of paragraphs 25.1.3, 25.6, 25.7 & 25.8 above.

25.11 The Accepting officer may order independent testing for which expenditure will be borne by the Govt. The charges for the independent testing will be borne by the contractor if test fails.

26. **REIMBURSEMENT/REFUND ON VARIATION IN PRICES**

Refer condition 63 of IAFW -2249.

27. **BLANK**

28. **CONSTRUCTION LABOUR WELFARE TAX**

The quoted rates in the tender by the contractor shall be deemed to inclusive in construction labour welfare tax and no extra payment shall be admissible to the contractor on this account.

29. **Re-imbusement/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 GST, Labour Welfare Cess/tax etc).duties, Royalties & other levies payable under the respective Statutes. No reimbursement/refund for variation in rates of taxes, duties, Royalties, Octroi & other levies, and/or imposition/abolition on any new/existing taxes, duties, Royalties, Octroi & other levies shall be made except as provided in sub para
(b) here-in-below.

(b) (i) The taxes which are levied by Govt at certain percentage rates of Contract Sum/Amount shall be termed as "taxes directly related to contract value" such as GST, Labour welfare Cess/tax and like but excluding Income tax. The tendered rates shall be deemed to be inclusive of all "taxes directly related to contract value" with existing percentage rates as prevailing on 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.

SPECIAL CONDITIONS Contd...

(ii) The 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 there to which he may be in a position to supply. The contractors shall submit the other documentary proof/information as the GE may require.

(iii) 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.

(iv) Reimbursement for increase in percentage rates/imposition of "taxes directly related to Contract value" shall be made only if the Contractor necessarily & 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.

30. QUALIFIED TRADESMEN:-

In the compliance with the Condition 26 of IAFW-2249(General Conditions of Contracts), the contractor shall employ skilled/ semi skilled tradesmen who are qualified and possessing certificate in particular trade from Industrial Training Institute (ITI)/National Institute of Construction

Management and Research(NICMAR)/Similar reputed and recognized Institutes by State/Central Government to execute the works of their respective trade. The number of such qualified tradesmen shall not be less than 25% of total skilled/semi skilled tradesmen required in each trade. The contractor shall submit the list of such tradesmen along with requisite certificates to Garrison Engineer for verification and approval. Notwithstanding the approval of such tradesmen by GE, if the tradesmen are found to have inadequate skill to execute the work of their trades, leading to unsatisfactory workmanship, the contractor shall remove such tradesmen with a week after written notice to this effect by the GE and shall engage other qualified tradesmen after prior approval of GE. GE's decision whether a particular tradesmen possesses requisite qualification, skill and expertise commensurate with nature of work, shall be final and binding. No compensation whatsoever on this account shall be admissible.

31. ADVANCE ON ACCOUNT: - Refer condition 64 of IAFW-2249.

**SIGNATURE OF CONTRACTOR
DATED:**

**DCWE (CONTRACTS)
FOR ACCEPTING OFFICER**

APPENDIX 'A' TO SPECIAL CONDITIONS**LIST OF CERTIFIED PRODUCTS TO BE INCORPORATED IN WORKS**

Sl No	Material
1.	Concrete
	(a) Internal water proofing compounds (IS : 2645)
	(b) Plywood for concrete shuttering work (IS-4990)
2.	Joinery
	Wooden Flush Door Shutters, solid core type (IS-2202)
3.	Builders Hardware
	(a) Steel shutter hinges (IS:1341)
	(b) Non-ferrous Butt Hinges (IS : 205)
	(c) Ferrous Tower Bolts (IS:204)
	(d) Non-ferrous Tower Bolts (IS: 204)
	(e) Door Handles (non-ferrous) (IS:208)
	(f) Parliament Hinges(Ferrous) (IS:362)
	(g) Hydraulically Operated Door Closures (IS:3564)
	(h) Continuous Piano Hinges(IS:3818)
	(j) Non-ferrous Metal sliding door Bolts (IS:2681)
	(k) Tee and Strap Hinges (IS:206)
	(l) Mild steel sliding door Bolts (IS:281)
4.	Steel And Iron Work
	(a) Steel doors, windows and ventilators (IS: 1038)
5.	Roof Covering
	Bitumen Felts for water proofing and damp proofing (IS:1322)
6.	Ceiling and Lining
	(a) Plywood for General Purposes (IS: 303) (Second revision)
	(b) Block boards (IS: 1659)
	(c)Veneered decorative plywood (IS: 1328) (Second revision)
	(d) Marine plywood (IS : 710)
	(e) Fiber Hard board (IS : 1658)
7	Flooring
	(a) White Portland cement (IS : 8042)
	(b) Cement concrete flooring (IS : 1237)
8	WATER SUPPLY, PLUMBING, DRAINS AND SANITARY APPLIANCES
	(a) Concrete pipes with or without reinforcement (IS: 458)
	(b) Salt glazed stoneware pipes and fittings (IS: 651)
	(c) Flushing cisterns for water closets and urinals other than plastic (IS: 774)
	(d) Cast copper alloys screw down bib taps and stop valves (IS: 781)
	(e) Galvanised mild steel tubes (IS: 1239)
	(f) Galvanised mild steel tube fittings (IS: 1239)
	(g) Sand cast irons spigot and socket soil waste and ventilating pipes and fittings (IS: 1729)
	(h) Ball valves (Horizontal plunger type) including floats for water supply purposes (IS: 1703)
	(j) Cast iron manhole covers and frames (IS: 1726)
	(k) AC presser pipes (IS: 1592)
	(l) Automatic flushing cisterns (IS: 2326)

APPENDIX 'A' TO SPECIAL CONDITIONS (CONTD)**LIST OF CERTIFIED PRODUCTS TO BE INCORPORATED IN WORKS**

SI No	Material
8	(m) Vitreous china sanitary appliances
cont	(i) Wash down water closets (IS: 2556 Part II)
	(ii) Squatting pans (IS: 2556 Part III)
	(iii) Wash basins (IS: 2556 Part IV)
	(iv) Laboratory Sinks (IS: 2556 Part V)
	(v) Urinals Bowl type (IS: 2556 Part VI Section I)
	(vi) Half Round Channels (IS: 2556 Part VII)
	(vii) Symphonic wash down water closets (IS: 2556 Part VIII)
	(viii) Foot rests (IS: 2556 Part X)
	(n) Plastic WC seats and covers (IS: 2546)
	(o) Vertically cast iron pressure pipes for water and sewage (IS: 1531)
	(p) Pillar tap (IS: 1793)
	(q) Centrifugally cast (Spun) iron pressure pipes for water gas and sewage (IS: 1536)
	(r) Centrifugally cast (CI spigot and socket soil waste and vent pipes, fittings & accessories) (IS: 3989)
	(s) Rubber sealing rings for gas main water mains and sewers (IS: 5382)
	(t) Cast iron fittings for pressure pipes for water mains and sewers (IS: 1538)
9.	Electrical Works
	(a) Ceiling Rose (IS:371)
	(b) Tumbler switches (IS:3854)
	(c) Socket outlet 3 pin plug and socket (IS:1293)
	(d) Switch fuses (main & switch) (IS:1064 Part-I&II)
	(e) Rigid steel conduit (IS:1063)
	(f) Rigid Non-Metallic conduit (IS:2509)
	(g) Single core cable polyethylene insulated and PVC sheathed cable (IS:1596)
	(h) Starter for tube light (IS:2215)
	(i) Fluorescent lamps (IS: 2418 Part I&II)
	(j) Aluminium stranded conductor (IS: 398 Part I & II)
	(k) Switchgears (IS:2208)
	(l) HRC cartridge fuse links upto 650 volts (IS:9224 Part II)
	(m) Porcelain Insulators for overhead power lines (IS:731)
	(n) MCB (IS:8828)

Signature of Contractor
Dated

DCWE (Contracts)
for Accepting Officer

SPECIAL CONDITIONS [CONTD. /.]**APPENDIX 'B' TO SPECIAL CONDITION****MATERIALS AND THEIR TESTS**

Srl No	Material	Tests	Method of testing	Frequency of tests	Level of test	Rate per test Rs.	Remarks	
1	2	3	4	5	6	7	8	
1.	Brick	1) Compressive strength	IS-3495 (Part-II)	As per IS-5454 as given under:-	A	180/-	Checks for visual and Dimensional characteristics shall also be carried out as per IS:5454 Legend A-Site Lab B-Zonal Lab/Govt Engg college. C-National test house/SEMT WING/Engg. College.	
		2) Water Absorption	--Do--	Lot Size.	sample	permissible		A 150/-
		3) Efflorescence	---Do... (Part-I)		Size	Nos of defective bricks		
				1001 to 10000	5	0		A 180/-
				10001 to 35000	10	0		
				35001 to 50000	15	1		
2.	Coarse Aggregate	1) Sieve Analysis	IS:2386(Part-I)	One test for every 15 cum of aggregates or part there of brought to site.	A	120/-		
		2) Flakiness Index	---do--		A	90/-		
		3) Estimation of deleterious materials	---do--	One test for every 100 cum of aggregate or part thereof.	A	120/-		
		4) Organic impurities	---do--	One test per source of supply	C	120/-		
		5) Moisture content	IS:2386(Part-II)	Regularly as Reqd.	A	120/-		
		6) Specific gravity	--do--	One test for each source of supply.	B	120/-		

CONTD. /.

SPECIAL CONDITIONS [CONTD. /.]

1	2	3	4	5	6	7	8
3.	Fine aggregate	1) Sieve Analysis	(IS:2386Pt-I)	One test for every 15 cum of FA or part thereof when brought to site.	A	180/-	
		2) Test for clay, silt and impurities.	--do--	--do--	A	90/-	
		3) Specific gravity	--do. but (Part-II)	One for each source of supply	B	180/-	
		4) Test for organic impurities	--do--	One test for each source of supply.	C	180/-	
		5) Moisture content	-do-	Regularly as required subject to 2 tests/ per day when being used.	A	180/-	
4.	Cement	1) Setting time	IS-4031-63 Reaffirmed 1980	Once for each consignment or as and when Reqd.	B	180/-	
		2) Soundness	--do--	--do--	C	120/-	
		3) Compressive strength	--do--	--do--	B	360/-	
		4) Fineness	--do--	--do--	C	120/-	
5.	Structural concrete	1) Slump test or compacting factor time or VEE-BEE test	IS-1199	The Min frequency of sampling of concrete of each grade shall be as under :-	A	180/-	(1) Random sample shall be carried out to cover all mix units.
		2) Compressive strength	IS-516	Qty of Conc. IN THE work(M ³) 1 - 5 6 - 15 16 - 30 31 - 50 51 and above	No of samples 1 2 3 4 4+1 for each Addl	A 120/- per sample	(2) Refer IS-456-2000 Clause. 15.2 for frequency of sampling.
6.	Water for constn purpose	1) Test for acidity	IS:456 & 3025	Once at the stage of approval of source of water	B	240/-	Refer relevant clause of IS-456:2000
		2) Test for alkalinity	-do-		B	240/-	
		3) Test for solid content	-do-		C	300/-	

SPECIAL CONDITIONS [CONTD. /.]

1	2	3	4	5	6	7	8
7.	(a) PCC block for walling (Hollow Block)	1) Compressive strength.	IS:2156-1984 (Appx 'B')	8 Blocks out of 14	A	60/-	Samples :- 14 blocks from consignment of every 5000 blocks or part thereof.
		2) Water Absorption.	-do- (Appx 'B')	3 Blocks out of 14	B	120/-	
		3) Density.	-do- (Appx 'A')	5 Blocks out of 14	B	90/-	
	(b) PCC solid block for walling.	1) Compressive strength	IS-2185	12 Blocks out of 18	A	60/-	Samples: - 18 Blocks from consignment of every 1000 or part thereof. These Blocks shall be checked for dimensions and weight
		2) Water absorption.	-do-	3 Blocks out of 18	B	120/-	
		3) Density	-do-	3 Blocks out of 18	B	120/-	
8.	Cement flooring Tiles/Terrazzo tiles	1) Water absorption	IS:1237-1980(Appx 'D')	6 Tiles out of 18	B	180/-	Samples: 18 Tiles from each source of supply selected at Random.
		2) Wet Transverse strength	-do-(Appx "E")	-do-	B	144/-	
		3) Resistance to wear	-do- (Appx 'F')	-do-	C	540/-	
9.	Burnt clay roofing Tiles (Hand Made) IS:2690(Pt-II) <u>LENGTH</u> 150 MM to 250MM, <u>WIDTH</u> 100 MM to 200MM, <u>THICKNESS</u> 35 MM TO 50 MM	1) Water absorption	IS : 3495 (Part-II)	6 Tiles out of 12	B	216/-	Samples 12 tiles from each source of supply selected at Random.
		2) Compressive strength	-do- (Part-I)	-do-	A	180/-	
10.	Manglore Pattern Roofing Tiles	1) Water absorption	IS : 654 (Appx 'A')	6 Tiles out of 32	B	180/-	SAMPLES: 32 tiles from each consignment of 3000 tiles or part thereof. These tiles shall be checked for dimensions and weight.
		2) Breaking load	-do- (Appx 'C')	-do-	B	120/-	

SPECIAL CONDITIONS [CONTD. /.]

1	2	3	4	5	6	7	8
11.	Timber	1) Specific gravity and weight	IS:1708-1960	Minimum 3 samples from a lot of 4 Cum or 250 pieces of seasoned timber.	B	120/-	
		2) Moisture content	-do-		A	120/-	
12.	Welding of steel work	Visual inspection Test.	IS:822-1970 Clause-7.1	100% by visual inspection	Work site	360/-	Specialised tests, their method and frequency to be decided on consideration of their importance by the Accepting Officer.
13.	Timber paneled and glazed door/ window shutters (including factory made shutter)	a) Dimensions, sizes workmanship and finish	IS:1003-1977 (Pt-I)	Frequency of sampling from each lot shall be as under :- Lot size Sample Size 26 to 50 5 51 to 100 8 101 to 150 13 151 to 300 20 301 to 500 32 501 to 1000 50 1001 and above 80	A	180/-	
	-do-	b) STRENGTH TEST					
	-do-	1) Slamming	IS:1303-1990	From each lot 5% of the factory made shutter shall be tested for strength tests.	Man- ufac- turer		
		2) Impact Indentation	-do-				
		3) Shock Resistance	-do-				
		4) Edge Loading	-do-				

SPECIAL CONDITIONS [CONTD. /.]

1	2	3	4	5	6	7	8
14.	Ply Wood (IS:303-1989)	a) Moisture content b) Water Resistance	IS:1734-1983 (Pt-I) -do- (Part-6)	Six test pieces cut from each of the boards selected shall be subjected to tests.	B	240/-	Sampling shall be as per IS-7835-1975 Tables
15.	Veneered Wood Particle Board (Medium Density) IS:3097-1985	a) Density b) Moisture content c) Water absorption d) Swelling due to surface absorption e) Swelling in water f) Modules of rupture g) Screw withdrawal strength	IS:635 (Part-1) --do-- --do-- (Part-16) --do--(Part-17) --do-- --do-- (Part-4) --do-- (Part-14)	Three test specimen from each sample(Size 150mm x 75mm) --do-- --do-- (Size 300mm x 300mm) --do-- (Size 125mm x 100mm) -do- (Size 200mm x 100mm) Three test specimens as per IS : 2380-1977 --do-- as per IS:2385	C A&B A A A B C	60/- 60/- 60/- 60/- 90/- 120/-	Sampling shall be done as per IS: 3087-83 clause 2 with moisture meter.

Signature of contractor

For Accepting officer

PARTICULAR SPECIFICATIONS**GENERAL**

- 1.1 Work under this contract shall be carried out in accordance with Schedule 'A', Particular Specifications, drawings and general specifications and other provisions in MES Standard Schedule of rates (here-in-after called MES Schedule) read in conjunction with each other.
- 1.2 Term "General Specifications" referred to here in after as well as referred to in IAFW-2249 (General Conditions of Contracts) shall mean the specifications contained in the MES Schedule Part-I.
- 1.3 General rules, specifications special conditions and preambles in the MES Schedule shall be deemed to be applicable to the work under this contract, unless specifically stated otherwise in these documents in which case the provision in these documents shall take precedence over the aforesaid provisions in the MES Schedule. The terms as specified wherever appear in tender documents and drawings relates to relevant particular specifications and in its absence general specifications. All references to MES Schedule in these specifications relate to SSR-2009 part-I of MES Schedule unless otherwise mentioned. References to some paragraphs of MES Schedule have been made in these particular specifications but other paragraphs and provisions as applicable are also to be followed for all sections/parts of Schedule 'A' even though not particularly mentioned here-in-after e.g. reference to Paras pertaining to general workmanship for brick work, iron and steel work etc. have not been made but provision therein as required for work are applicable.
- 1.4 Where specifications for any item of work are not given in MES Schedule or in these particular specifications, specifications as given in relevant Indian Standard or as per code of practice shall be followed.
- 1.5 Rates quoted for a particular item shall be deemed to include for any minor details/items of work and/or constructions which are obviously and fairly intended and which may not have been included in these documents but which are essential for the execution and entire completion of the work. Decision of the Accepting Officer as to whether any minor details/items of work and/or construction is obviously and fairly intended to be included in the contract or not shall be final, conclusive and binding.

2 EXTERNAL ELECTRIFICATION**2.1 GENERAL REQUIREMENT**

- 2.1.1 General rules, special conditions and preambles to various parts given in MES Standard Schedule of Rates (2010) shall be applicable to the work under this contract. Materials and workmanship required to be incorporated in these works and services shall be as given under "Specification and workmanship" in the various trade sections of MES Schedule, Part-I (2009) duly modified by the Particular Specifications and notes on the drawings.
- 2.1.2 Particular specifications given here in after are only to particularise, amend or to emphasis the aforesaid specifications in the MES Schedule Part-I (2009) and relevant shall be read in conjunction.
- 2.1.3 These particular specifications shall be read in conjunction with MES Schedule Part-I (2009) and relevant clauses therein. In case of any discrepancy, the provisions given in particular specification shall take precedence.
- 2.1.4 The term "General Specifications" referred to/mentioned in IAFW-2249 and in other documents means specifications including other provisions given in MES Schedule Part-I (2009).

PARTICULAR SPECIFICATIONS (CONTD...)

- 2.1.5 On completion of entire work the contractor shall submit in triplicate to the Engineer-in-Charge layout plan showing actual position of routes, cable run, and all other information and details as directed by the GE that will be necessary for record of maintenance and operation without any extra cost.

2.2 SAMPLE AND MATERIALS

- 2.2.1 All materials fittings appliances etc. to be incorporated in this work shall be of highest standard and unless otherwise specified here in after shall strictly comply with the relevant IS and BSS for which no IS has been issued. The contractor will supply the samples of the following items/materials to GE for approval.

(a) Cement, Steel, Aluminium strip/ Copper strip/ Galvanised Iron strip/

Galvanised Iron earth strip

(b) GI Pipes, PTMT Bib tap

(c) Electrical and water supply fittings/fixtures where names of manufacturers/ brands are specified

- 2.3 The contractor after obtaining written approval of samples from the GE shall obtain material and equipment from the approved firms or through their authorised agents only. As a proof that a particular material obtained from the firm/their authorised agents the contractor shall produce such evidence to the satisfaction of GE when asked for. With regard to quality the materials shall be brought to the site with maker's original packing with seal intact.

- 2.4 All electric works shall be carried out in conformity with the requirements of the Indian Electricity Act 1910 and Indian Electricity Rules 1956 framed there under and fire insurance act as applicable and else the relevant regulations of electric supply authorities concerned as amended from time to time.

- 2.5 Unless otherwise exempted under the rules of the Indian Electricity Rules all electrical works shall be carried out under the supervision of person holding a certificate of competency issued by the recognized authority. The workman shall also hold certificate of competency.

- 2.6 Good workmanship is an essential requirement for compliance with their specifications. The work shall be executed in the manner as directed by the Engineer-in-Charge.

2.7 SCOPE OF WORK

- 2.7.1 The work comprises of execution of entire completion of works included in Schedule 'A' of BOQ and all as described in particular specifications and here under:

(i) Earthing

(ii) Any other work as specified in Sch 'A'

2.8 PRODUCTION OF TEST CERTIFICATE

- 2.8.1 Manufacturer's test certificate in respect of earth chambers such as tested on, due date of testing eg. EP No-01, ER-1.0 Ohms & DOT – 21 Dec 2015 as directed by GE are to be submitted to the GE by the contractor.

2.9 EXCAVATION AND EARTH WORK

- 2.9.1 The contractor shall excavate to the specified depths as specified and as directed by the Engineer-in-Charge. Excavation made to depths more than the required levels shall be made good by the contractor at his own expense with approved earth by ramming, watering, in 250mm thick layers. No extra payment shall be made for extra depth excavated and filled by the contractor. The cost of any shoring/boarding and de-watering shall be deemed to be included in the cost of excavation and no extra payment shall be made.

PARTICULAR SPECIFICATIONS (CONTD...)**2.10 FILLING OF TRENCHES AND DISPOSAL**

2.10.1 After laying of the cable, the trench shall be filled with the spoil obtained from excavation, watered, rammed and consolidated and brought to the level of the surrounding ground level as directed by the Engineer-in-Charge. All surplus spoil obtained from excavation shall be removed to place at a distance as specified, spread and levelled in the manner as directed by the Engineer-in-Charge.

2.11 FOUNDATIONS CONCRETE

2.11.1 **CONCRETE BLOCK** : Mechanical / hand mixing also is allowed.

2.11.2 The formwork to be used will be plywood or black board with smooth and even surface where in contact with the concrete. However, the contractor for formwork may use steel plates but no extra payment will be made on this account. Use of timber planks or old steel sheets will not be permitted. Application of non-adhering oils like engine oils or bitumen base paints to the surface of the form work to prevent adhesion between the form work and concrete shall not be permitted.

2.12 **TESTING GENERAL**- Refer Para 19.2.5 of MES Schedule part-I.

2.13 **SAFETY PROCEDURE & PRACTICE** :- Refer Para 19.2.7 of Schedule Part-I-2009.

2.14 **FIRE SAFETY**: Refer Para 19.2.8 of MES Schedule Part-I.

2.15 **MAKES**. Where the makes of equipment/material have been indicated in the tender only these makes will be offered and considered.

2.16. STAY WIRE

2.16.1 Stay wire shall be provided all as specified in Schedule 'A'. Stay wire shall be grade 4 quality with minimum tensile strength of 700N/Sqmm and conforming to IS-2141-1979 specifications for galvanised stay strand.

2.17. DANGER NOTICE PLATE

2.17.1 Danger notice plate shall be provided as directed by the Engineer-in-Charge. Danger notice plate shall be of size 200mm x 150mm and shall comply with IS:2551-1982 all as specified in Para 19.18 of MES Schedule Part-I.

2.18. STEEL CROSS ARMS

2.18.1 Steel cross-arms shall be provided all as described in Schedule 'A' and as specified in clause 19.9 and 19.53.3 of the MES Schedule Part-I.

2.19 EARTHING

2.19.1 Refer clause 19.137 to 19.146 of MES Schedule Part-I. Earthing shall be carried out as described in Schedule 'A' and all as directed by Engineer-in-Charge at the site of work.

2.19.2 The earthing shall generally conform to IS-3043/1987 as per clause 19.137 to 19.146.3 of MES Schedule Part-I.

2.19.3 The contractor shall take approval of Engineer-in-Charge to the earthing before commencement and shall be operative in the presence of his representative. Excavation shall be passed by the Engineer-in-Charge before filling. The charcoal filling shall be done in alternative layers not exceeding 15cm in depth and shall be properly watered and rammed.

PARTICULAR SPECIFICATIONS (CONTD...)**3. WATER SUPPLY****3.1 GENERAL**

The work shall be executed by fully qualified plumber/fitter. Evidence of their qualifications shall be produced by the contractor on demand by the GE/Engineer-in-Charge.

3.2 EXCAVATION AND EARTH WORK

(a) Trenches for pipes shall be excavated to gradient as directed by Engineer-in-Charge at site.

(b) The excavation for pipe line in trenches shall be restricted to the authorised width as defined in clause 3.23 on page No 21 of SSR Part-II and shall be measured accordingly. Nothing will, however, be paid extra to the contractor in addition to the authorised width for working space if required for laying water mains and pipes.

(c) Care shall be taken to keep the trenches free from water during the work. All water which may accumulate from rain or other cause shall be bailed or pumped out or otherwise removed. The tendered rate shall be deemed to include for pumping and or bailing out of water as necessary. No claim what so ever shall be entertained on this account at a later date.

(d) Bottom surfaces of the trenches for pipes shall be formed to level all as directed by the Engineer-in-Charge

(e) All excavated earth shall be deposited at least one meter away from the edge of trenches.

(f) Excavated earth from trenches (as approved) shall be used for refilling and surplus earth shall be removed to a distance as specified in Schedule 'A', deposited spread and leveled to the satisfaction of Engineer-in-Charge.

(g) No joints shall be covered up with earth till the pipe line has been tested under pressure but certain length of pipes may be covered up if specifically permitted in writing by the Engineer-in-Charge for the purpose of ensuring safety of traffic, persons etc.

(h) The rates quoted by the contractor for excavation in trenches for pipes shall not include use and waste of timbering. Use and waste of timbering considered necessary and ordered by GE in writing shall be paid for extra as a deviation.

3.3 LAYING OF GI PIPE & FITTINGS :- Refer Paras 18.50, 18.51 and 18.56 of MES Schedule Part –I. Unions shall be provided at suitable places as directed by Engineer-in-Charge so that long lengths of pipes are not disturbed during cleaning/repair etc. Uncovered threaded portion of pipe shall be painted with approved paint.

3.3.1 The contractor shall use proper bends/elbows/tees at turning/corners etc. Bending of pipes is not permitted.

3.3.2 The contractor shall provide screwed plug to all open ends of pipe fittings at the end of day work and at time when work is stopped.

3.4 MILD STEEL GALVANISED TUBES (PIPES) AND FITTINGS

3.4.1 Mild steel galvanised tubes (pipes) and fittings shall bear ISI certification mark with IS-1239 (Part-I) and IS-1239 (Part-II) all as specified in clause 18.4.1 and 18.4.3 on page 18.4 of MES SSR-2009 (Part-I).

PARTICULAR SPECIFICATIONS (CONTD...)

- 3.5 **BIB TAPS, PILLAR TAPS AND STOP VALVES** :- Refer clause 18.14, 18.15 and 18.16 of MES Schedule Part-I. The handles shall be crutch type. Handle and spindles may be cast brass. Washers to be used for this purpose shall conform to clause 18.18 of MES Schedule Part-I.
- 3.6 **FIXING WATER SUPPLY FITTINGS** :- Refer Paras 18.62 & 18.66 of MES Schedule Part-I.
- 3.7 **TESTING** :- Refer Paras 18.50.4 and 18.55 of MES Schedule Part-I.
- 3.8 All fittings shall be ISI marked.
- 4.00 **DEMOLITION AND DISMANTLING**
- 4.1 Contractor shall take all precautions during execution work without damage to the existing article/surface /structure shall be made good by the contractor at his own expense so as to match the existing structure/surface and finishes to entire satisfaction of Engineer in Charge without any extra cost to Govt . The unserviceable materials shall be disposed off as directed and the site is left clean land tidy.
- 4.2 Contractor shall take all precautions regarding safety of workman during execution. The contractor shall take permission while on work for disconnection all electric connection if required before execution. Nothing extra shall be admissible in the event of miss happening/causality.
- 4.3 Any serviceable materials received from demolition/dismantling shall be the property of the department and contractor shall be responsible for the return of the same to store yard of **GE (AF) Nal** contractor shall not be allowed to take away credit materials until and unless full recovery is made.

SIGNATURE OF CONTRACTOR

DATED _____

**DCWE (CONTRACT)
FOR ACCEPTING OFFICER**

PARTICULAR SPECIFICATIONS (CONTD...)**Appendix 'A'****SOURCES OF MATERIALS****(LIST OF MATERIALS FOR LOCAL ORIGIN TO BE INCORPORATES
IN WORKS, FOR GUIDANCE ONLY)**

S/NO	NAME OF MATERIALLS	SOURCES OF MATERIALS
1.	Coarse Aggregate for plain cement concrete works.	Chandigarh/Pathankot/Randhisar
2.	Sand for PCC work	Chandigarh/Kolayat
3	Bricks	Suratgarh/Anupgarh/Hanumangarh

Notes :-

- (a) Sources of materials shall be as given Serial 1 to 3 above or in the vicinity thereof. The tenderer shall enquire the actual location of source before submitting his tender and no additional payment shall be made on account any misunderstanding of its distance from site of work.
- (b) Materials of source listed above, shall only be used. In the event of non availability, use of alternatives shall be decided by the Accepting Officer.

SIGNATURE OF CONTRACTOR
DATE :

DCWE (CONTRACTS)
FOR ACCEPTING OFFICER

PARTICULAR SPECIFICATIONS (CONTD...)**Appendix ' B'****LIST OF MAKES/MANUFACTURERS OF EQUIPMENTS/MATERIALS**

Ser No	Items	Make / Manufacture
1	2	3
1	COPPER WIRES	FINOLEX, NICCO, BONTON, PLAZA, HAVELLS, POLYCAB, HPL, L&T, SPEER CABLES, RR KABEL, KALINGA PREMIUM
2	PTMT FITTING (BIB TAPS (CP) /VALVES/ SHOWER ROSE)	PRAYAG, SHAKTI, POLYTUF, PEARL MILLINIUM AJANTA POLYMERS
3	LIGHTENING ARRESTER	OBLUM, ALSTOM LEMCOS CO. , CROMPTON, SCHNEIDER, HPL, GE POWER, OBD BUTTERMEN
4	GI PIPE	JINDAL, TATA, BST

Notes:

(i) Makes specified in Schedule 'A' (BOQ) shall be provided when makes are mentioned in Schedule 'A' (BOQ).

(ii) Makes specified in Particular Specifications shall be provided when no makes are specified in the Schedule 'A' (BOQ).

(iii) Makes/brands/manufacturers of materials/items not mentioned here-in-before but required in the work shall be of 1st quality /ISI marked/shall be in HQ CEWC latest approved list of makes & shall be approved by GE.

SIGNATURE OF CONTRACTOR
DATE :

DCWE (CONTRACTS)
FOR ACCEPTING OFFICER