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**NAME OF WORK: REPAIR OF EXTERIOR PLASTER GRANULAR FINISH OF BULDINGS  
OF ARMY COLLEGE OF NURSING**

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\*These documents are not attached with the tender documents which can be seen in the office of the Registrar Army College of Nursing Jalandhar Cantt at any working day.

Signature of Contractor

Accepting Officer

Dated:

Fax : \_\_\_\_\_  
: \_\_\_\_\_  
: \_\_\_\_\_  
: \_\_\_\_\_

Army College of Nursing  
Army Welfare Education Society  
Jalandhar Cantt-144005

M/S \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**TENDER FOR : REPAIR OF EXTERIOR PLASTER & GRANULAR FINISH FOR  
BULIDNGS OF ARMY COLLEGE OF NURSING**

Dear Sir(s),

1. Tender documents in respect of above work are uploaded on the Def Procurement Portal site <https://acn.co.in/tenders.php> 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 by ACCEPTING OFFICER i.e. **Registrar Army College of Nursing Jalandhar Cantt** up to the date and time mentioned in the **NOTICE INVITING TENDER (NIT)** as amended and reflected on website. Tender/bid will be received in physical form.

3. Information / documents (Forming part of this contract) mentioned here in below are not enclosed with these documents. These are available for perusal during working hours on working day in the office of the **Registrar Army College of Nursing Jalandhar Cantt** ,.

(a) IAFW-2249(.) - General condition of contracts including errata and amendments thereto.

(b) Schedule of Minimum Fair wages - As per Latest Government of India Notification.

4. Whether the documents mentioned in Para 2 above are actually seen or not, the contractor is deemed to have made himself acquainted with the contents of the above mentioned documents not enclosed herewith before uploading the tender and no claim whatsoever on this account shall be entertained.

5. Refer to special condition of the tender documents and Schedule "A" Notes in connection with taxes, levies duties etc.

6. **EARNEST MONEY** (Refer condition 22 of IAFW-2249 (General conditions of contract) :-

(a) Technical bid (cover 1) uploaded by an un-enlisted contractor and not accompanied by acceptable form of earnest money shall be treated as non-bonafide and shall be rejected. Earnest money shall be submitted along with the tender in one of the following forms :-

(i) Deposit at call receipt from any scheduled bank drawn in favour of **Registrar Army College of Nursing Jalandhar Cantt.**

(ii) Receipt of treasury challan, the amount being credited to the Revenue deposit of **Registrar Army College of Nursing Jalandhar Cantt.** Tenderers shall note that no other form of earnest money is acceptable.

(b) Bidder will be required to deposit “**Performance Security** ” for the work @ 5% of contract sum. This amount shall be required to be lodged with the Accepting Officer within the 28 days of receipt of notification of Acceptance of Tender.

**7. PERFORMANCE SECURITY**

7.1 Within 28 days of receipt of notification of Acceptance of tender, before Accepting the tender the successful contractor shall submit to the Accepting Officer a Performance Security physically in any of the forms given below for an amount equivalent to 5% of the contract sum covering contract period plus **24 months after date of completion** for defect liability period & defect liability period of **10 Years** for water proofing.

(a) A Bank Guarantee Bond in the prescribed form.

(b) Government Securities, FDR or any other Government Instruments stipulated by the Accepting Officer.

(c) Work order No. 1 to execute the work shall only be placed after receipt of Performance security in any of the form as mentioned above.

7.2 If the performance security is provided by the successful Contractor in the form of a Bank Guarantee bond, it shall be issued by Nationalized/Scheduled Indian Bank but its confirmation shall be done from the Head Office of the Bank.

7.3 Failure of the successful contractor to comply with the requirements of sub-clause 7.1 shall constitute sufficient grounds for cancellation of the award of work and forfeiture of the Earnest Money.

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

7.5 In the event of contract being cancelled, under Condition 52, 53 & 54 of General Conditions of Contract, the Performance Security shall be forfeited in full and shall be credited into **Army College of Nursing Jalandhar Cantt account**.

8. (a) The bidder shall download price bid form <https://acn.co.in/tenders.php> portal and enter his rates in figures only in the financial bid (cover 2) and submit the same physically. Bidders shall also fill the general summary manually.

(b) In case the tenderer has to revise / modify the rates quoted in the price bid, he may do so only by re-submitting the price bid (cover 2).

(c) In the event of lowest tenderer revoking his offer or revising his rates upward (which will be treated as revocation of offer) after bid submission end date of tenders, the earnest money deposited by him shall be forfeited.

9. Typical details of drawing listed in the list of drawing shall form part of the tender documents and the same shall not be enclosed with the tender / contract. However contractor shall refer these drawings in this office of **Registrar Army College of Nursing Jalandhar Cantt**, office before quoting the tender and the lump sum shall be deemed to have taken into consideration these drawings and contractor will not have any claim on this account.

10. (a) The bidder shall submit his application along with requisite documents as mentioned in NIT in cover 1 and quoted bid/ quoted tender in cover 2 in the form of tendering at <https://acn.co.in/tenders.php> on or before date and time of submission of

documents as indicated in Appendix "A" to NIT or as subsequently amended through self extension/corrigendum / amendments.

(b) The documents shall be opened on or after the prescribed date and time fixed for opening of tender as mentioned in Appendix "A" to NIT or as subsequently amended through self extension/corrigendum / amendments.

(c) The bidder shall submit original copy of his application, DD/BC, MOU and other documents as uploaded in cover 1 before the scheduled date and time as mentioned in NIT in **Registrar Army College of Nursing Jalandhar Cantt** ,

11. Facilities for execution of bank guarantee bond for following purposes are available or the contractors as details below:-

(a) **Performance security** for individual work covering contract period plus defects liability period of **24 Months** thereafter & defect liability period of **10 Years** for water proofing.

(b) Retention money for payment of running accounts which shall be done at the rate of 5% of bill paid till the complete amount is recovered as mentioned at para 10(a) above.

(c) Tenderer is expected to be fully conversant with the CPM technique and employ technical staff who can use the technique in sufficient details. Sufficient books and other literatures on subject are widely available, which the tenderer may make use of.

(d) The tenderers attention is drawn to special condition of the tender documents regarding preparation of the details net work and time schedule for the work and his liability for employing sufficient resources to adhere to this schedule. Any inability on the part of the tenderer in using the technique will be taken as his technical inefficiency and will affect his class of enlistment and future prospects of receiving in invitations of tender for work.

12. (a) The **Army College of Nursing Jalandhar Cantt** may issue corrigendum to tender documents before due date of submission of bid. The tenderer is required to read the tender documents in conjunction with the corrigendum, if any, issued by the department. The tenderer is not supposed to incorporate the errata / amendment in the body of the tender document.

(b) In view of above, it is agreed by both the parties, viz. The tenderer and the Accepting Officer, the insertion of amendment, if any, made by the tenderer at his own in tender shall be treated as cancelled and the errata / amendments issued by the Accepting Officer shall hold good.

13. Conditional tender shall be treated as non-bonafide and is liable to be rejected.

14. The contractor shall employ only Indian Nationals after verifying their antecedents and loyalty. Attention of contractor is also drawn to condition 24 & 25 of IAFW-2249 (General Condition of contract).

15. These instructions shall form part of tender and shall form part of the tender documents.

DATED\_\_\_\_\_

ACCEPTING OFFICER

## **INSTRUCTIONS ON FILLING AND SUBMISSION OF TENDER**

### **1. EARNEST MONEY DEPOSIT (EMD).**

(a) Contractors furnish earnest money in the prescribed form along with technical bid (cover 1). Technical bid (cover 1) uploaded by contractor and not accompanied by acceptable form of earnest money shall be treated as non-bonafide and shall be rejected. Earnest money shall be submitted along with the tender in one of the following forms :-

(i) Deposit at call receipt from any scheduled bank drawn in favor of **Registrar Army College of Nursing Jalandhar Cantt.**

(ii) Receipt of treasury challan, the amount being credited to the Revenue deposit of **Registrar Army College of Nursing Jalandhar Cantt.** Tenderers shall note that no other form of earnest money is acceptable.

(b) Any tender/Bid not accompanied by earnest money in the prescribed form will be treated as non-bonafide and will not be considered for acceptance.

2. **“Performance security ”** for the work in case the tender is accepted would be the amount calculated with reference to tendered cost, as per the scale laid down by MES for calculation of @ 5% of contract sum. This amount shall be required to be lodged with the Accepting Officer within the 28 days of receipt of notification of Acceptance of Tender.

2.1. **SECURITY DEPOSIT FOR MINOR RECTIFICATIONS**:-Contractor shall furnish security deposit for periodical services carried out @ 2.5% of amount of periodical services executed under MOU at contract rates for the guarantee period of seven years in favour of **Registrar Army College of Nursing Jalandhar Cantt.** In case the contractor fails to submit the FDR on completion of work, the said amount will be retained from the final bill. The Guarantee money shall be released by the **Registrar Army College of Nursing Jalandhar Cantt** after expiry of the guarantee period of seven years after obtaining clearance from the **Registrar Army College of Nursing Jalandhar Cantt** by submitting a certificate duly signed by him that no defect has been noticed. This security deposit amount is only for covering the minor repairs/rectifications required to be executed urgently. This deposit shall not in any way limit the liability of contractor under the guarantee as per clause here above, under which contractor is fully liable for complete rectification / replacement of entire defective work/ material.

3. The printed form of General Conditions of Contract, IAFW-2249 (.) and errata/amendments thereto forming part of the tender documents can be seen by tenderer in **Army College of Nursing Jalandhar Cantt** during office hours. Tenderers will be deemed to have full knowledge of IAFW-2249 with up to date errata and amendments whether they study the same or not.

4. It shall be noted that any tender who proposes any alteration to any of the conditions and/or specifications and/or other provisions laid down in these documents and/or which proposes other conditions of any description what so ever is liable to be rejected.

5. Tenderers are required to quote their tender carefully so as to submit an accurate and bonafide tender. No subsequent offer for reduction in the rates as a pretext of error/mistake in estimate or in quoting the tender will be entertained after opening of tender from any of the tenderers other than the lowest tenderer. Please note that any offer or reduction from contractor other than the lowest tenderer after opening of the tender will be viewed seriously and will call for severe disciplinary action against such contractor

### **6. GUIDELINES / PROCEDURE TO BE FOLLOWED IN THE PROCESS OF TENDERING**

#### **6.1 BLANK.**

6.2 The bidders, participating in bidding can view/ download the tender documents from the <https://acn.co.in/tenders.php>. The bidder shall submit their offer physically, however DD / banker cheque for Tender Fees, and EMD required to be submitted physically in the office of **Registrar Army College of Nursing Jalandhar Cantt** as done in conventional tender before date & time as mentioned in NIT alongwith copy of DD/ bankers cheque for Tender Fees, and EMD etc must also be Submitted.

- 6.3 The tender to be submitted physically in office of **Registrar Army College of Nursing Jalandhar Cantt** by due date and time as mentioned in NIT, which shall form the part of the contract document. The bidder shall sign on all the statements, documents, certificates, submitted by him, owning responsibility for their correctness /authenticity.
- 6.4 The Price Bids will be opened by the opening officer / officers at the specified date & time and the result will be displayed on the <https://acn.co.in/tenders.php>. which can be seen by all the bidders who participated in the tenders. If the office happens to be closed on the date and time of bid opening as specified OR due to some unforeseen reason (s), the bid could not be opened on the date and time of bid opening as specified, the bid will be opened on the next working day on same venue and on the time as decided by the accepting officer without assigning any reason. No claim will be entertained on this account.
- 6.5 The bidders have options to participate in tendering process at the time of opening of Bids also Bidders can come at the place of opening of bids as done in the conventional tender process
- 6.6 The concerned officer/officers will evaluate and process the tenders as done in the conventional tenders and will communicate the decision to the bidder. After the award of the contract, an agreement shall be signed as done in Conventional Tenders.
- 6.7 The **Army College of Nursing Jalandhar Cantt** will not be responsible for any error like missing of schedule data while downloading by the Bidder. No claim will be entertained on this account.
- 6.8 One bidder can submit only one bid for one work/project. If a bidder will submit more than one bid, his bids will be summarily rejected.
- 6.9 The tender for the works shall remain open for acceptance for a period of **Ninety (90) days** from the date of opening of tenders. If any lowest tenderer revoking his offer / tender or revising his rates upward (which will be treated as revocation of offer), before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the **Army College of Nursing Jalandhar Cantt** shall, without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money as aforesaid.
- 6.10 In case any tempering/alteration is noticed between the documents as Submitted at the time of submission of the bid by the office, then the bid submitted shall become invalid and the **Army College of Nursing Jalandhar Cantt** shall, without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money as aforesaid..
- 6.11 The bidder should keep checking the website <https://acn.co.in/tenders.php> for any Errata/Amendments to tender documents/price bid till the date and time of submission of price bid and bidder must incorporate them in their bid documents.
- 6.12 Before deadline for submission of bids, the **Army College of Nursing Jalandhar Cantt** can modify the bid document(s) by issuing addendum/corrigendum. Any addendum/corrigendum thus issued shall be part of the bidding documents and shall be uploaded on the website as a corrigendum. To give prospective bidders reasonable time to take an addendum/corrigendum into account in preparing their bids, the **Army College of Nursing Jalandhar Cantt** may, at his discretion, extend as necessary the deadline for submission of bids. However, no claim will be entertained on this account.
7. Your attention is drawn to the official secret Act, particularly section 5 thereof for compliance.
8. These instructions shall form part of the contract documents and shall be signed along with the tender documents during signing of contract agreement
9. The bidders are also required to Submit the copy of **provident fund code number and GST registration Number letter** in addition to other documents. The bids

submitted/uploaded without copy of provident fund code allotment letter **and GST registration Number letter**, shall be disqualified in Tech bid evaluation and financial bid shall not be opened.

Yours faithfully,

DATED\_\_\_\_\_

Registrar  
Army College of Nursing Jalandhar Cantt

Draft tender

IN LIEU OF IAFW-2162(1960)

NOTICE OF TENDER APPLICABLE FOR ~~LUMP SUM CONTRACTS~~ / ITEM



### **RATE CONTRACTS \***

(\*Retain as applicable)

1. A tender is invited for the work as mentioned in Appendix "A" to this Notice of tender.
2. The work is estimated to cost as indicated in aforesaid Appendix "A". This estimate, however is not a guarantee and is merely given as a rough guide and if the work costs more or less the tenderer will have no claim on that account.
3. The tender shall be based as mentioned in aforesaid Appendix „A“. The work is to be completed within the period as indicated in aforesaid Appendix „A“ in accordance with the phasing, if any, indicated in the tender from the date of handing over of the site, which may be on or about two weeks after the date of acceptance of the tender.
4. original application along with DD/Bankers cheque as cost of tender must be submitted to **Registrar Army College of Nursing Jalandhar Cantt** , so as reach this office on or before opening of bid, failing which the application may be rejected and tenderer will not be allowed to participate in second stage (Price bid).
- 4.1 **Henceforth for the purpose of this tender**
  - (a) **Accepting Officer** Registrar Army College of Nursing will be referred as Accepting officer or his delegated auth.
  - (b) **Engineer-in-Charge** Registrar or his representative appointed by Army College of Nursing will be referred as Engineer in charge. The duties are as under :-
    - (i) Monitoring of project to meet the targets as per CPM
    - (ii) Ensuring quality of work done as per desired standards in contract agreement,
    - (iii).Measurement and billing of work done,
    - (iv) Recording and informing ACN auth for any issues in construction,
    - (v) Ensure material being used is not of substandard and has relevant ISI marking
    - (vi) Ensure MOU with OEM is strictly followed
    - (vii)Ensure all the necessary confirmatory tests are done for leakage seepage, pressure test for internal plumbing etc.
    - (viii) should have knowledge and experience in MS office and computer operations.
    - (ix) He/She will attend the office as per prescribed office timings..
    - (x) Support in record maintenance and other basic HR functions.
    - (xi) He/She will work as per directions given by the office staff.
    - (xii) He/She should be conversant in English and Hindi.
  - (c) **Govt/Department** Army college of Nursing will be referred as Department/Govt wherever mentioned in the complete bid document.
  - (d) **Next Higher Engineer** Authority MD AWES will be referred as Next Higher Engineer Authority (NEHA).
5. Normally contractors whose names are on the MES approved list for the area in which the work lies and within whose financial category the estimated amount would fall, may tender but in case of term contracts, contractors in categories "S" to "E" may tender. In case where the tendered amount is in excess of the financial category, whether or not the estimated amount was within the financial category of the contractor, the Accepting Officer reserves the right to accept the tender. Not more than one tender shall be submitted by one contractor or one firm of contractors. **Under no circumstances will a father & his son(s) or other close relations, who have business dealing with one another, will be allowed to tender for the same contract as separate competitors.** Breach of this condition will render the tenders of both parties liable for rejection.
6. The Registrar Army College of Nursing Jalandhar Cantt, will be the Accepting Officer here-in-after referred to as such for the purpose of this contract.
7. Tender forms and conditions of contracts and other necessary document can be downloaded on and after (See Appendix "A") by contractors. The appropriate standing security



for this work shall be deposited by the contractors enlisted for (See Appendix "A").

8. **"Performance security"** for the work in case the tender is accepted would be the amount calculated with reference to tendered cost, as per the scale laid down by MES for calculation of @ 5% of contract sum. This amount shall be required to be lodged with the Accepting Officer within the 28 days of receipt of notification of Acceptance of Tender. The **Registrar Army College of Nursing Jalandhar Cantt** will return the earnest money wherever applicable to unsuccessful tenderers by endorsing authority of the deposit receipt for its return.

8.1. **SECURITY DEPOSIT FOR MINOR RECTIFICATIONS**:-Contractor shall furnish security deposit for periodical services carried out @ 2.5% of amount of periodical services executed under MOU at contract rates for the guarantee period of seven years in favour of **Registrar Army College of Nursing Jalandhar Cantt**. In case the contractor fails to submit the FDR on completion of work, the said amount will be retained from the final bill. The Guarantee money shall be released by the **Registrar Army College of Nursing Jalandhar Cantt** after expiry of the guarantee period of seven years after obtaining clearance from the **Registrar Army College of Nursing Jalandhar Cantt** by submitting a certificate duly signed by him that no defect has been noticed. This security deposit amount is only for covering the minor repairs/rectifications required to be executed urgently. This deposit shall not in any way limit the liability of contractor under the guarantee as per clause here above, under which contractor is fully liable for complete rectification / replacement of entire defective work/ material.

9. The tenderer are advised to inspect/visit and examine the site and its surroundings by making prior appointment with the **Registrar Army College of Nursing Jalandhar Cantt** in sufficient times and satisfy themselves before submitting their tenders as to the nature of the ground and subsoil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials tools & plants, water, electricity, access facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. The submission of tender/Price bid by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of the conditions and rates at which materials, tools and plants etc will be issued to him, local conditions and other factors having a bearing on the execution of the work.

10. The accepting authority on behalf of the President of India does not bind himself to accept the lowest or any other tender, and reserves to himself the authority to reject any or all of the tenders received without the assignment of any reason. All tenders, in which any of the prescribed conditions is not fulfilled or any condition including that of conditional rebate /rebate is put forth by the tenderer, shall be summarily rejected.

11. The Price Bids will be opened at office **Registrar Army College of Nursing Jalandhar Cantt** the opening officer / officers at the specified date & time (See Appendix "A") and the result will be displayed on the <https://acn.co.in/tenders.php>, & Notice Board which can be seen by all the bidders who participated in the tenders.

12. Invitation for 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 <https://acn.co.in/tenders.php>, website. The applicant contractor / bidder if he so desires may appeal to the next higher Engineer authority viz **MD AWES** with copy to the Accepting Officer on email id [acn@awesindia.edu.in](mailto:acn@awesindia.edu.in) 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.

13. 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.

14. Any tender which proposes any alternations to any of the conditions laid down or which propose any other conditions of any description whatsoever/is liable to be rejected.

15. The Accepting Officer does not bind himself to accept the lowest tender of any tenderer or to give the reasons for not doing so.

16. Tenderers must be in possession of copy of MES Schedule of Rates (Part I & II), including errata and amendments there to.

17. The bidders are also required to Submit the copy of provident fund code number GST registration Number in addition to other documents. The bids submitted without copy of provident fund code allotment & GST registration Number letter, shall be disqualified in Tech bid evaluation and financial bid shall not be opened.

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

Signature of Contractor  
Dated \_\_\_\_\_

Accepting Officer

**APPENDIX 'A' TO NOTICE OF INVITING TENDER (NIT)**  
**(For works costing less than Rs 50 Crore and Specialist E/M Works costing less than Rs. 5 Crore )**

1.	Name of Work	Repair Of Exterior Plaster & Granular Finish For Buildings Of Army College Of Nursing
2.	Estimated cost	Rs. 206 Lakhs (At Par Market)

3.	Period of completion	104 Weeks												
4.	Cost of tender documents	(i) Rs 500.00 in the form of DD/Banker's cheque from any Scheduled Bank in favour of Registrar Army College of Nursing Jalandhar Cantt.and payable at J Jalandhar Cantt (Note : In case of re-tendering, the contractor who had quoted in the previous call is not required to submit the cost of tender)												
5.	Website/portal address	<a href="https://acn.co.in/tenders.php">https://acn.co.in/tenders.php</a>												
6.	Type of contract	The tender shall be item rate contract based on IAFW-2249 and IAFW-1779A. Item rate tender with BOQ' to be quoted by the tenderer.												
7.	Information & Details:													
	(a) Bid submission start date	B Day (Bid Upload Day)												
	(b) Last date of bid submission	B+30 Days												
	(c) Date of bid opening	B+37 Days (T Bid ) B+45 Days (F Bid)												
8.	Eligibility Criteria													
	(a) For contractors not enlisted with MES	<p>(i) Contractors not enlisted with MES should meet the enlistment criteria of 'B' class a (i) category contractor with regard to satisfactorily completion of requisite value of works with Central/State SUs/AWHO/AFNHB/CGEWHO/ DGMAP, Annual turnover, bank Solvency, working capital and other requirements given in Para 1.4 &amp; 1.5 of Section I of MES Manual on Contracts-2020 as available in all MES formations as well as MES website (www.mes.gov.in).</p> <p>(ii) Not carrying adverse remarks in Work Load Report (WLR) or any other similar report circulated by any competent authority, if already working in MES.</p> <p>(iii) Not suspended/debarred/blacklisted (either permanently or temporarily) from participating in any bid or for business dealings by any Central/State Government Department or any Central/State Government PSU or any Autonomous Body under Central/State Government or any Local Body as on the bid submission end date.</p> <p>(ii)Details of Works completed and under progress in MES be submitted in the following format :-</p> <table><tr><th>Sr No .</th><th>CA No. &amp; Name of Work</th><th>Value of CA</th><th>Date of Commencement</th><th>Date of Completion</th><th>Extended date of Completion</th></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table> <p>(ii) Un-enlisted Contractor who have secured two works in MES should get themselves registered in the appropriate designated Class with any Registering Authority, else the firm will not be eligible for participation in the tender unless until the firm is enlisted with the MES.</p>	Sr No .	CA No. & Name of Work	Value of CA	Date of Commencement	Date of Completion	Extended date of Completion						
Sr No .	CA No. & Name of Work	Value of CA	Date of Commencement	Date of Completion	Extended date of Completion									

9	Tender issuing and Accepting Officer	Name :- ( To be filled by Army College of Nursing ) Address :- Contact Details:- Phone No. _____
10.	Executing agency	<b>Registrar Army College of Nursing Jalandhar Cantt</b>
11.	Earnest Money	<b>Rs</b> 10,31,608/- in favour of <b>Registrar Army College of Nursing Jalandhar Cantt</b> in the form of Deposit at call receipt, FDR not acceptable.
12.	Performance security and Defect Liability period	An amount equivalent to 5% of the contract sum shall be deposited by contractor (either enlisted or un enlisted) within 28 days of receipt of notification of acceptance in prescribed form as specified in condition 19 of IAFW-2249. Failing which the contract shall be cancelled and EMD submitted by an enlisted contractor shall be forfeited.

**NOTES:-**

1. In case after opening of Cover 1, if the number of MES enlisted contractors of eligible class as well as un-enlisted contractors, if any, fulfilling the other eligibility criteria given in NIT are less than 7 (Seven), applications in respect of contractors one class or two classes (in case of remote and difficult areas to be decided as per list circulated by CE command/ADG) below the eligible class shall also be considered subject to fulfilment of other eligibility criteria given in NIT. Therefore MES contractor's one class below (two classes in case of remote and difficult

areas) may also bid for this tender. **However contractors of one/two classes below the eligible class shall not be considered in case their present residual work in hand is more than FIVE TIMES their present tendering limit. However in case such contractors fulfil the criteria of upgradation to the stipulated eligible class based on past experience of completed works (individual work experience and /or average annual turnover, as applicable) and financial soundness (solvency/financial soundness and working capital) , the ceiling of present residual work will not apply and they will be considered for issue of tender. Such bidders shall upload in their Cover-1 bid details of works in hand showing names of work, names of Accepting Officers, Contract amounts, dates of commencement and completion (stipulated) and progress as on bid submission date. Such contractors, if claim to fulfil the criteria of upgradation shall also upload the requisite information/documents in support of upgradation. These details shall be verified by the Tender issuing Authority from concerned formations in case bids of such contractors are considered for evaluation.**

2. In case after opening of Cover 1, the number of MES enlisted contractors of eligible class as well as un-enlisted contractors, if any, fulfilling the other eligibility criteria given in NIT are 7 (Seven) or more, application of only those one class below the eligible class bidders shall be considered, who have previously completed similar works satisfactorily and are meeting the criteria of up-gradation in respect of past experience of completed works (Individual work experience and /or average annual turnover as applicable) and financial soundness (Solvency/financial soundness and working capital) as per details given in Manual of Contracts, Therefore such contractors shall upload the requisite information's /documents in the cover-1.

3. Un-enlisted contractor shall be considered provided he meets the criteria. Foreign firms shall not be eligible for this tender. However Indian firms having foreign national / Indian nationals staying abroad / Indian Nationals having taken foreign citizenship, as director(s) shall be considered subject to security clearance from the concerned authorities.

4. xx

5. Contractors not enlisted with MES will be required to submitted following documents in Cover-1 for checking eligibility :-

- (a) Application for tender on Firm's letterhead.
- (b) Scanned copy of Demand Draft/ Banker's Cheque towards cost of tender and Earnest money Deposit (EMD) instrument.
- (c) Copy of Police Verification Report/Police Clearance Certificate/ Character Certificate from the Police Authority of the area where the registered office of the firm is located/notarized copy of valid passport of Proprietor/each Partner/each Director.
- (d) All documents required for enlistment in MES for the class mentioned in Para 8(b) above as per Para 1.5 of Section 1 of MES Manual of Contracts 2020.
- (e) Details of works being executed in MES, if any
- (f) Any other document required as described in this Appendix.

6. Tenders not accompanied by copies of requisite DD/Bankers Cheque towards cost of tender and earnest money (as applicable) in Cover 1 shall not be considered for validation of 'T' bid and their Financial bids will not be opened.

7. Contractors should ensure that their original physical DDs and Earnest Money Deposit (EMD) instruments (as applicable) reach the office of Accepting Officer within 5 days of bid submission end date failing which following action shall be taken :-

- (a) In case of tenders from un-enlisted contractors, where copies of requisite DD/Bankers Cheque towards cost of tender have been submitted in Cover 1 but physical copies are not received by the stipulated date, Financial bids (Cover-2) will

not be opened. Name of such contractor along with complete address shall be circulated for not opening of their bids for a period of six month commencing from the date of opening of Financial bid (Cover 2).

(b) In case of tender from enlisted and un-enlisted contractor, where scanned copies of instruments for Earnest Money Deposit (as applicable) have been uploaded in Cover 1 but the same are not received in physical form within stipulated period, such tenders shall not qualify for opening of Financial bid (Cover 2).

8. Contractor will not be allowed to execute the work by subletting or through power of attorney to a third party/another firm on his behalf. However a contractor can execute the work through power of attorney to sons/daughters/spouse of the Proprietor/Partner/Director and Firm's own employees, director, project manager **provided they are not having a separate enlisted firm in MES in their name as Proprietor/Partner/Director.**

9. After opening of Cover 1 and during its Technical evaluation, in case any deficiency is noticed in the documents required to be Submitted by the tenderers as per NIT, a communication in the form of e-Mail/Whatsapp/SMS/speed post etc. shall be sent to the contractor to rectify the deficiency within a period of seven days from date of communication failing which their financial bid (Cover-2) shall not be opened and contractor shall not have any claim on the same.

10. Invitation for tender does not constitute any guarantee for validation of Technical bid and subsequent opening of financial bid of any applicant/bidder merely by virtue of enclosing DD. Accepting Officer reserves the right to reject the Technical bid and not to open the financial bid of any applicant /bidder. Technical bid validation shall be decided by the Accepting officer based on eligibility of the firm as per criteria given in this Appendix. Tenderer/bidder will be informed regarding non-validation of his Technical bid assigning reasons thereof through tender evaluation report which shall be uploaded on the website. Such tenderer, if desires, may appeal to the next higher Engineering authority (NHEA) viz MD AWES with copy to the Accepting officer on email before the schedule date of opening of Cover-2. NHEA shall decide the matter within a period of seven working days from the date of receipt of appeal. The decision of the NHEA shall be final and binding. The tenderer/bidder shall not be entitled for any compensation whatsoever for rejection of his bid.

11. In case an unlisted contractor is already executing work in MES, he shall not be considered eligible for the subject tender if the total value of such work is more than twice the tendering limit of the MES Class of Contractor for which it is eligible. For this purpose, details of the works being executed by such a Contractor shall be submitted in the Cover-1 of the bid and shall be checked/verified by the Accepting Officer.

12. In case the BOQ is revised through the corrigendum and the bidder has failed to quote on revised BOQ (i.e he has quoted on pre revised BOQ), such bid shall be treated as willful negligence by the bidder and his quotation shall be considered non-bonafide. In such cases the lowest tender shall be determined from amongst the valid/bonafide bids only. Accepting Officer may decide whether to re-tender or consider the lowest bonafide tender for acceptance.

13. Revoking the offer or revising the rates upward or offering voluntary reduction by the lowest tenderer after opening of Cover-2 shall be considered as a wilful default. For this default a penalty of an amount equal to the Earnest money shall be levied. In case of an un-enlisted tenderer, Earnest money deposited by him shall be forfeited. earnest money stipulated in the NIT shall be notified to the tenderer for depositing through Bank Guaranty and consideration of such tenderer in tender evaluation for future works shall remain suspended till the aforementioned amount is deposited in the **Army College of Nursing Jalandhar Cantt** treasury. No other disciplinary/administrative action shall be taken against such tenderer. In such a situation, the next lowest offer shall not be considered for acceptance. Instead, retendering shall be resorted to in a transparent and fair manner and the defaulting tenderer and his related firm if any, shall not be eligible for this tender in second call or subsequent calls.

14. Tender to related firms shall not be issued simultaneously. Firms shall be termed as related if proprietor/one or more partners/Directors are common. Decision of Accepting officer on issue/deny the tender to any one of the related firms shall be final and binding.

15. 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.

16. **MOU with Manufacturer's of Paint:** Irrespective of whatever specified elsewhere in tender documents, the work against item No 1 to 4 of BOQ shall be got executed through authorized applicator of manufacturer's **Asian Paint Ltd/ Jenson & Nicholson India Ltd/ Kansai Nerolac Paints Ltd/ Berger Paints India Ltd/ICI Paints Ltd or any other reputed manufacturer.** Tenderers are deemed to have entered into a triparty agreement between tenderer, said manufacturer's of Paints and their authorised Applicator before quoting their bids and a valid MOU on Non Judicial Stamp paper of Rs. 500/- (format of MOU enclosed for reference) towards same is to be uploaded along with other Technical bid documents and financial bids of only those tenderers shall be admitted whosoever MOUs are found to be satisfying contract conditions. MOU shall also cover the aspect towards Guarantee and defect rectification during guarantee period.

Signature of Contractor

**Registrar  
Army College of Nursing Jalandhar Cantt**

File No \_\_\_\_/ \_\_\_\_/ \_\_\_\_

\_\_\_\_\_ 2025

Registrar Army  
College of Nursing  
Jalandhar Cantt,

Contact Details of the concerned Officer :-

**Distribution:-**

AWES HQ Western Comd

AWES HQ 11 Corps

HRDC HQ 11 Coprs

A Branch, HQ 11 Corps

**IAFW-1779-A (Revised-1955) TO BE USED IN CONJUNCTION WITH GENERAL  
CONDITION OF CONTRACT IAFW- 2249**

Tele : \_\_\_\_\_

: \_\_\_\_\_

\_\_\_\_\_  
Registrar Army  
College of Nursing  
Jalandhar Cantt,



Fax : \_\_\_\_\_  
E-mail : \_\_\_\_\_

JRC Cantt– 144005

xxxx/ /xx

\_\_\_\_\_2025

**TENDER**

**TENDER FOR : REPAIR OF EXTERIOR PLASTER & GRANULAR FINISH FOR  
BULIDNGS OF ARMY COLLEGE OF NURSING**

Dear Sir(s),

1. Shri/M/s\_\_\_\_\_of \_\_\_\_\_ is/are hereby authorised to tender for the above mentioned work.
- 2.
3. The complete tender (BOQ) and other documents is to be submitted on the Army College of Nursing Jalandhar Cantt portal of <https://acn.co.in/tenders.php> on the date and time at per NIT, the quoted tender shall be opened on or after the date and time as per NIT in office of Registrar Army College of Nursing Jalandhar Cantt, in the presence of such tenderers who have uploaded their priced tender and who wish to be present.
4. Any correspondence concerning this tender shall be addressed as indicated at the top of this sheet, quoting the reference as given.
4. The President of India does not bind himself to accept the lowest or any tender.

Signature of Contractor  
Dated:

Signature of Officer  
Issuing the documents

**SCHEDULE 'A' NOTES**  
**LIST OF ITEMS OF WORKS AND PRICES**

**NOTES:-**

1. **SCOPE OF WORK:** The work required to be completed under said tender is all as described in Schedule 'A' items and all as specified in particular specifications, drawings and general specifications.
2. The quantities shown in column 3 of BOQ are approximate and are inserted as a guide only. These shall, however not be varied beyond the limits laid down in condition 7 of IAFW-2249, General conditions of Contracts. This contract comprises full, final and entire completion of the works given in Schedule 'A', specifications, special conditions and other items required for satisfactory completion of works.
3. **PERIOD OF COMPLETION:** - The entire work under the contract shall be completed within **104 WEEKS** from the date of handing over of the site as per WO No.1.
4. **UNIT RATES :-**
  - (a) The contractor shall calculate his own details and insert unit rates in column 6 in figures only in BOQ". The aforesaid unit rates shall be based on description of items in Schedule 'A', drawings (where mentioned in Schedule 'A' or specifications), specifications and other general specifications attached herewith. if for any reason whatsoever a rate against any item is quoted 'Zero' by contractor the rate for the same shall be deemed to be covered under other items of the tender.
  - (b) It is an express condition of the contract that the rates quoted by the Contractor for various items in Schedule 'A' shall be inclusive of all labour and material required for completion of work specified hereinafter in particular specifications/special conditions/requirements detailed in particular specifications and full and final completion thereto, irrespective of whether these are mentioned in the description of Schedule 'A' or not and the contractor will not be paid any extra for the same. The Govt. shall not entertain any claim whatsoever on account of inaccuracies, misunderstanding, if any, in the aforesaid unit rates.
  - (c) Unless specifically mentioned otherwise such as labour only/fixing only, the unit rates for all items of works shall be deemed to be including cost of all materials, labour, tools and plants, testing and commissioning work in position complete as required for entire completion of work.
  - (d) Special conditions given in SSR Part-II and preambles to items given in MES Schedule Part- II under respective trades/items shall be applicable. If any provisions in the description of Schedule 'A' and/or in particular specifications is/are at variance with the provisions of special conditions in MES Part II and preambles to SSR items, the provisions in description of Schedule 'A' items and provisions in particular specifications shall taken precedence there over.
  - (e) Method of measurements for all items listed in Schedule 'A' shall be as given in MES Standard Schedule of Rates Part II unless specifically stated otherwise here-in-after for any particular item(s) of work.
  - (f) All materials as required for incorporation in work should be of reputed makes as given in these documents. In case of makes not mentioned in the contract agreement the item shall be ISI marked as approved by **Registrar Army College of Nursing Jalandhar Cantt.**
5. The total amount arrived at the end of BOQ is not firm but will be treated as the "CONTRACT SUM" referred in IAFW-2249.
6. Unit rates quoted by the contractor will be deemed to include for minor accessories, which are not specifically, mentioned in schedule 'A' or given in particular specification of

the execution of work/services in the workman like manner and sound engineering practice. In case of difference of opinion as to whether or not certain items of work constitute "Minor" accessories included in the contractor's prices, between **Registrar Army College of Nursing Jalandhar Cantt** and contractor, the decision of the Accepting Officer shall be final, conclusive and binding.

7. **Disposal** The rubbish if any obtained from dismantling, demolition or taking down etc from all the items of Schedule 'A' shall be disposed off outside the MOD land. However, if the same is required for filling up depressions or low lying area, the same will be done at no extra cost to the Govt. All serviceable materials obtained from dismantling/demolition shall be deposited to **Army College of Nursing** store yard of **Registrar Army College of Nursing Jalandhar Cantt** without any extra cost to Govt. except that which is included in Schedule of credit.

8. The contractor's quoted rates shall include all taxes / cess viz GST, duties royalties, octroi and other levies applicable on the date of receipt of tender.

9. Contractor shall produce samples of all materials and fittings before making arrangements for bulk supply, for prior approval of the **Registrar Army College of Nursing Jalandhar Cantt**. The materials to be provided by the contractor shall conform to or shall be superior to the samples approved. Please also refer clause 1.6 at Srl page No 4 of MES Schedule Part-I 2009.

10. **Samples**: The contractor shall produce samples of all materials and fittings being incorporated in the work before making arrangements for bulk supply, for prior approval of the **Registrar Army College of Nursing Jalandhar Cantt**. The materials to be provided by the contractor shall be of make as mentioned in schedule 'A'. In case of the make not mentioned, the same shall be bear ISI marking/approved. Please also refer clause 1.6 at SI page No 1-3 of MES Standard Schedule of Rates 2009 Part-I (Specification).

11. Irrespective of what may have been stated elsewhere, considering the spirit of the contract to maintenance the buildings, contractor shall provide material & labour for any item not covered in the Schedule 'A' (BOQ). Failure in the part of the contractor to respond in terms of material & labour and in reasonable time frame, Whenever the Accepting Officer exercises his authority to cancel the contract under this condition, he /may complete the Works by any means independently without risk and cost of the original contractor.

12. On cancellation of contract, the performance security and retention money upto last paid RAR shall be forfeited. All T&P and material of contractor lying at site ' shall be confiscated by Government and shall be absolutely at the disposal of the President of India and no compensation whatsoever shall be allowed by department. If the failed contractor is a Company, or a Firm then every member/ partner/ Director of Company, or Firm shall be barred from participating in the tender for the balance work either in his/her individual capacity or as a partner of any other Company/Firm.

13. No price escalation of any nature shall be paid to the contractor. Contractor's quoted rates are deemed to include this aspect.

14. **Labour Welfare Cess @ 1%** shall be levied on cost of construction from contractors due under the building and other Construction Workers Welfare Cess Act 1996.

15. The work for periodical services shall include the following and the rates quoted by the bidders shall include the same :-

- (a) Use of all scaffolding, trestles, ladders, cradles, etc. necessary for execution of work and protective measures.
- (b) Removing of nails, making good holes, cracks, etc.
- (c) Work in patches, and in narrow \widths, bands, cornices, pilasters, etc. and cutting in edges to line, where necessary.
- (d) Spreading and removing coverings to doors, windows, floors, fittings, etc., to protect them from splashes.

- (e) Removing and replacing furniture, movable cupboard, chicks, blinds, etc.
  - (f) Washing floors, cleaning glass, joinery, electric fittings, wiring, etc. of drops and splashes and leaving premise, clean and tidy.
  - (g) First coat of finish on plastered surfaces, wherein the previous decoration has been completely removed, shall be treated as on undecorated surfaces.
  - (h) Writing details on reflective type 5mm thick PVC sheet (of suitable size or size not less than 45cm x 30cm) exc 2cm height each letter such as building No, date of commencement and completion of guarantee period, name of applicator, name of material manufacturer of work used in work and name of contractor fixed with suitable screw/fastener
16. The work pertaining to periodical services against item No 1 to 4 of BOQ shall be got executed from authorized applicator through manufacturer of which the materials .i.e. Paint, Exterior emulsion /Distemper, Cement base paint, Putty etc. is proposed to be used by the contractor and approved by Registrar Army College of Nursing Jalandhar Cantt,.
17. The contractor shall upload along with the documents under cover-I, 'Memorandum of Understanding' (MOU) with at least one manufacturer mentioned in the contract, of materials .i.e. Paint, Exterior emulsion/Distemper, Putty etc. to be used for periodical services as mentioned above, failing which the bid shall be liable to be rejected. The Memorandum of Understanding should cover at least following aspects.
- 17.1 The work shall be executed by means of modern technology for preparation of surfaces and application of finishes against item No 1 to 4 of BOQ.
  - 17.2 The materials shall be supplied by the manufacturer directly to the contractor from their warehouse to the site of work and billed in the name of contractor.
  - 17.3 Manufacturer shall furnish 07 (Seven) years guarantee for the materials supplied by them and works executed by their authorized applicator against item No 1 to 4 of BOQ of this contract to the department through contractor.
  - 17.4 In case the authorized applicator fails to achieve desired progress or do not produce satisfactory workmanship, same shall be replaced by the manufacturer with any other applicator immediately.
18. In case the manufacturer proposed by the contractor do not comes forward to undertake the work after acceptance of contract, contractor may draw a MOU with any of the manufacturers mentioned in the contract. In case any loss is suffered by the contractor, he shall be responsible for the same no claim what so ever nature and on what so ever account shall be entertained.
19. In case the manufacturer engaged by the contractor fails to comply with the specifications with respect to materials and workmanship and do not produce satisfactory results, the services of the same shall be terminated and contractor shall draw a MOU with any of the manufacturers mentioned in the contract. In case any loss is suffered by the contractor, he shall be responsible for the same no claim what so ever nature and on what so ever account shall be entertained.
20. The submission of MOU will not absolve the contractor of his responsibility and liability of doing the work as per contract specifications with in stipulated time and liabilities under defect liability period. It shall be liability of contractor to get the work rectified through manufacturer and department shall not be liable to enforce it on manufacturer for the same. Legal aspect in case of any dispute (if any) shall be entirely contractor's responsibility.
21. Preparation of plastered or un-plastered surface of walls shall be done by means of sanding the surface to be done by mechanical sander with 1500 - 2700 rpm, with internal dust extraction system for clean environment certified by the manufacturer. After preparation of surfaces, approval shall be obtained from Registrar before applying further treatment / coat. Building wise stage passing register shall be maintained for each stage and shall be got approved from Registrar Army College of Nursing Jalandhar Cantt for every stage. This register shall invariably be submitted with each RAR and deposited to the Registrar Army College of

Nursing Jalandhar Cantt on completion of work and at the stage of submission of Final bill. The manufacturer is responsible for rendering certificate for guarantee for use of required quantity of material as per specification and ensure proper workmanship through its applicator for each lot of bldg finished and payment claimed in RAR. Similarly Final guarantee certificate shall be issued at the time of completion of entire work of periodical services covered under the subject work and also stand guarantee for SEVEN YEARS from the date of completion of work to the department through its applicator.

22. **FINISHES** i.e. exterior emulsion, putty etc. to surfaces of walls shall be applied using Airless spray technology with max working pressure of 3300 PPSI and capable of operating single spray gun with a max material hose length of 30 mtrs. The spray machine should be of reputed manufacturer with pro guard technology and capability of tracking pressure and paint usage and certified by approved manufacturer and accessories for applying the finish, should be able to spray in hard to reach areas and penetration of finish on the surface to achieve excellent application using limited manpower complete all as specified and directed.

23. **GUARANTEE OF PERIODICAL SERVICES:** Periodical services against item No 1 to 4 of BOQ using mechanized equipment's only executed under this contract are under the guarantee of contractor for **07 (Seven) years** after the certified physical completion of work. Contractor is fully liable under this guarantee to rectify and redo all defective work intimated to him during this period including all type of materials and labour to the specifications catered for in the contract. In case contractor fails to rectify the defective work, Accepting officer shall get the rectification done as necessary at the risk and cost of contractor and recover the cost in full from the contractor. If the contractor consider that any additional treatment is required over and above that specified here in before in Schedule 'A', the same shall be carried out by the contractor without any extra cost to the Government. Condition 46 of IAFW-2249 (for defects liability period) for the Guarantee period shall be deemed amended accordingly

24. **SECURITY DEPOSIT FOR MINOR RECTIFICATIONS:-** Contractor shall furnish security deposit for periodical services carried out @ 2.5% of amount of periodical services executed under MOU at contract rates for the guarantee period of seven years in favour of **Registrar Army College of Nursing Jalandhar Cantt**. In case the contractor fails to submit the FDR on completion of work, the said amount will be retained from the final bill. The Guarantee money shall be released by the **Registrar Army College of Nursing Jalandhar Cantt** after expiry of the guarantee period of seven years after obtaining clearance from the **Registrar Army College of Nursing Jalandhar Cantt** by submitting a certificate duly signed by him that no defect has been noticed. This security deposit amount is only for covering the minor repairs/rectifications required to be executed urgently. This deposit shall not in any way limit the liability of contractor under the guarantee as per clause here above, under which contractor is fully liable for complete rectification / replacement of entire defective work/ material.

25. The contractor shall inspect & examine site by prior appointment with **Registrar Army College of Nursing Jalandhar Cantt** & satisfy himself with the work & its site condition etc., before submitting his tender. No claim on account of any misunderstanding or otherwise shall be entertained at later date.

26. Complete site for work may not available at the time of placing of work order and as on the stipulated date of commencement of work. In such case the contractor may have to start the work on part site. The contractor while preparing the phased schedule of work shall take this into consideration and schedule his program accordingly. No claim whatsoever for not handing over the entire site on acceptance of contract / placing of work order and for giving the site gradually shall be tenable.

**26. ENGINEERING ESTABLISHMENT.**

Contractor shall employ Engineering and Supervisory staff as per condition 25 of IAFW 2249 (General condition of the contract) and mentioned in the tender documents.

27. **MOU with Manufacturer's of Paint:** Irrespective of whatever specified elsewhere in tender documents, the work against item No 1 to 4 of BOQ shall be got executed through authorized applicator of manufacturer's **Asian Paint Ltd/ Jenson & Nicholson India Ltd/ Kansai Nerolac Paints Ltd/ Berger Paints India Ltd/ICI Paints Ltd or any other reputed manufacturer..** Tenderers are deemed to have entered into a triparty agreement between tenderer, said manufacturer's of Paints and their authorised Applicator before quoting their bids and a valid MOU on Non Judicial Stamp paper of Rs. 500/- (format of MOU enclosed for

reference as Annexure 'A') towards same is to be uploaded along with other Technical bid documents and financial bids of only those tenderers shall be admitted whosoever MOUs are found to be satisfying contract conditions. MOU shall also cover the aspect towards Guarantee and defect rectification during guarantee period Authorised Applicator of above mentioned Paint Manufacturers shall have valid authorization letter from the manufacturers issued not earlier than 30 days from the Bid Submission start date of this tender. For guarantee clause reference of notes here-in-before and Particular Specifications be made

28. **EPF code & UAN:** EPF code number and UAN of employees working under the establishment of Applicator of Paint with whomsoever contractor shall enter into agreement for execution of work under EPF and MP act 1952, so far this tender is concerned, and shall submit details there of before release of work order, the contractor shall submit EPF code No. of applicator to **Registrar Army College of Nursing Jalandhar Cantt**. The triparty **MOU** so entered between tenderer, said manufacture's of Paints and their authorized Applicator shall cover above mentioned aspect as well.

29. The contractor will bring minimum 25% of CA qty of various periodical items, as approved by Registrar within 10 days from issue of WO No 01 (irrespective of date of commencement of wk) **alongwith original Purchase Voucher, test certificate, batch certificate & delivery challans etc (as applicable)**. The items, bring by contractor will be received through BOO in presence of contractor or his authorize representative only to ensure the qty & quality of material as per CA specifications. It shall be ensure that at any point of time 10% of material for execution is available at site, failing which a penalty of Rs – 5000/- per day shall be imposed on contractor and same shall be recovered from the contractor's dues. No representation(s) / No claim(s) from contractor, what so ever shall be entertained on this account at any stage.

30. The material will be again issued to contractor on weekly basis to carry out the work at site. In this effect, contractor must liaise with Registrar, in advance (during working hrs), to ensure the smooth supply/flow of material to avoid any delay/hindrance in progress of work.

**31. Payment of RAR :**

33.1 The RAR/payment against work carried out by contractor, will be checked by **Registrar Army College of Nursing Jalandhar Cantt and his representative(Engineer-in-Charge)** personally. If, any kind of defects/obsns about quality of work, brought out by **Registrar Army College of Nursing Jalandhar Cantt and his representative**, the same will be rectified within given time frame, as decided by Registrar, before making/passing the payment/RAR. The financial effect/cost in this effect is deemed to incl in rates quoted by contractor.

33.2 The payment of labour engaged through applicator by the contractor shall preferably be made through Adhaar linked Bank account. Being principal employer **Registrar Army College of Nursing Jalandhar Cantt** shall ensure that the contractor fully comply with above provisions. The documents obtained by the contractor from applicator shall be subject to scrutiny by law enforcement agencies. Proof of crediting wages in bank account/ made to employees by the Applicator shall be obtained by the contractor and shall be pre- requisite to enable the **Registrar Army College of Nursing Jalandhar Cantt** to release the RAR. The Contractor shall also obtain from applicator payment details under EPF & ESI with account numbers and provide details along with RAR which shall be verified by **Registrar Army College of Nursing Jalandhar Cantt**. In case the RARs are not claimed on monthly basis, the contractor shall be bound to submit monthly accounts of payments by the Applicator to employees under above regulations. The triparty **MOU** so entered between tenderer, said manufacturer's of Paints and their authorised Applicator shall cover above mentioned aspect as well.

**33.3 There shall be no advance payment for material laying at site, all bills will be paid on work done basis. There shall be gap of minimum 15 days between two successive payments.**

32 **Arbitration** Any disputes with respect to tender or work done shall be settled mutually by both the parties, however if felt necessary Next Higher Engineering Authority that is MD AWES may be involved to settle the issues and the disputes if any still persists, it shall be dealt in accordance with relevant provisions of IAFW 2249 & GCC considering all the revisions time to time.

33. Goods and Services Tax (GST) as per GOI Ministry of Finance (Department of Revenue)

notification No. 03/2022 dated 13 Jul 2022 has become liable on the all works contracts. The contractor has to pay Goods and Services Tax (GST) as per Govt of India notification already published. It is the express condition of the contract that the rate/percentage being quoted by the contractor shall be inclusive of Goods and Services Tax (GST) as applicable and no reimbursement of GST paid by the contractor shall be made by the Government.

Signature of Contractor  
Dated:

Accepting Officer

Draft tender



**SCHEDULE 'A'**

**(BOQ as downloaded from website and Submitted duly priced by tenderer)**

**ANNEXURE 'A' TO SCHEDULE 'A' (Schedule of credit)**

(Credit to be afforded for dismantled/ demolished material becoming contractor's property)

**Note :-**

1. The quantities govern under column 3 are provisional. Actual credit to be afforded by the contractor will be as per the quantities actually obtained. Recovery for the credit will be made through on account payment for the quantities actually dismantled/ demolished upto the date of respective running payment.
2. The quantities for credit of the dismantled/ demolished material shall be taken same as measured under Schedule 'A' . However the quantities of items thus received if reused in the work shall be reduced accordingly.
3. The credit of dismantled/ demolished materials shall be irrespective of the actual quantities of serviceable (fully or partly) or wholly unserviceable. The contractor shall be deemed to have visited the site of work and ascertained the extent of serviceable materials before quoting his rates. No claim will be entertained at later stage owing to the serviceability condition of the said materials becoming contractor's property.
4. The contractor shall be allowed to remove these materials with the prior permission of Engr-in-Charge only and it will be ensured by the engineer-in-Charge that the corresponding amount to the quantity dismantled/ taken down has been deducted from contractor's dues before removal from the store yard/ work site.
5. Any other material obtained from demolition/ dismantling not listed in appendix 'A' shall become the property of Army College of Nursing. It will be the responsibility of contractor to properly clean, stack and deposit such materials in the ACN store yard the cost of which shall be deemed to be included in the rates quoted by the contractor.

Signature of Contractor

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

For Accepting Officer

**ANNEXURE 'A' TO SCHEDULE 'A' (Schedule of credit)**

<b><u>SCHEDULE OF CREDIT (E&amp;M)</u></b>					
<b>SN</b>	<b>Description of item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	Old U/S Point wiring obtained including all accessories i.e switch, socket , ceiling rose,batten fittings, 2 way switch, call bell, bell push etc complete	Point	264	43.00	11352.00
2	Old U/S main switch /DB with MCBs any type and size	Each	12	27.90	334.80
3	Old U/S tube light fitting/light fittings any type and size	Each	7	18.00	126.00
4	Old U/S Bldg Security light fitting any type and size	Each	0	50.00	0.00
5	Old U/S MCB SP/SPN/TPN any type and size	Each	72	3.00	216.00
6	Old U/S LT / XLPE cable/submain/ service wire of any size/description	RM	300	19.00	5700.00
7	Old U/S lamp holder of any size/description	Each	36	2.00	72.00
	<b>TOTAL</b>				<b>17800.80</b>

**ANNEXURE 'A' TO SCHEDULE 'A' (Schedule of credit) Continued....**  
**SCHEDULE OF CREDIT (B/R)**

Ser No	Breif Specification of items	A/U	Qty	Rate	Amount
1	Old unserviceable brick bats as obtained from item No 2	Cum	11.38	400.00	4552.00
2	Old unserviceable stone slab as obtained from item No 18.	Sqm	30.00	20.00	600.00
3	Old unserviceable Chowkats with shutter nexc 1.5 Sqm with all fittings as obtained from item No 21.	Each	96.00	300.00	28800.00
4	Old unserviceable Chowkats with shutter exc 1.5 Sqm but n.exc 4 Sqm with all fittings as obtained from item No 22	Each	120.00	500.00	60000.00
5	Old unsv iron scrap (old wire mesh,window grill & hold fast of chawkats) as obtained from item No 14, 27.	Kg	1230.00	25.00	30750.00
6	Old unserviceable 15mm dia steel tubing retrived item No 34.	RM	250.00	30.00	7500.00
7	Old unserviceable 20mm dia steel tubing retrived item No 35.	RM	100.00	30.00	3000.00
8	Old unserviceable bib tap, pillar tap, Stop cock, angle cock,shower etc.retrived items No 39-52.	Each	648.00	20.00	12960.00
9	Old unserviceable looking mirror retrived item No 53.	Each	48.00	10.00	480.00
10	Old unserviceable Flushing cistern retrived item No 56..	Each	48.00	100.00	4800.00
11	Old unsv PVC scrap as obtained from item No 36-40	Kg	15.00	5.00	75.00
12	Old unserviceable 100/75mm pipe retrived item No 58.	RM	235.00	25.00	5875.00
13	Old unserviceable brick bats as obtained from item No 2	Cum	18.00	400.00	7200.00
14	Old unserviceable stone slab as obtained from item No 13.	Sqm	60.00	20.00	1200.00
15	Old unserviceable Chowkats with shutter exc 1.5 Sqm but n.exc 4 Sqm with all fittings as obtained from item No 16	Each	25.00	500.00	12500.00
16	Old unsv iron scrap (old wire mesh,window grill & hold fast of chawkats) as obtained from item No 9,20.	Kg	160.00	25.00	4000.00
17	Old unserviceable 15mm dia steel tubing retrived item No 28.	RM	2.00	30.00	60.00
18	Old unserviceable bib tap, pillar tap, Stop cock, angle cock,shower etc.retrived items No 31-34.	Each	0.00	20.00	0.00
19	Old unerviceable Sink & Plate rack as retrived from item No 35..	Each	0.00	200.00	0.00
20	Old unsv PVC scrap as obtained from item No 36-40	Kg	50.00	5.00	250.00
21	Old unserviceable brick bats as obtained from item No 2	Cum	0.00	400.00	0.00
				<b>TOTAL</b>	<b>184602.00</b>

**SCHEDULE 'B' ISSUE OF MATERIAL TO THE CONTRACTOR (SEE CONDITION 10 OF IAFW-2249)**

SN	Particulars	Rate at which material will be issued to the contractor		Place of issue by name	Remarks
1	2	Unit	Rate ( Rs.)	5	6
		3	4		
NIL-----					

**SCHEDULE 'C' LIST OF TOOLS AND PLANTS OTHER THAN TRANSPORT WHICH WILL BE ISSUED TO THE CONTRACTOR**

**(SEE CONDITION 15, 34 AND 35 OF IAFW-2249)**

SN	Qty	Particular of T&P	Details of MES crew supplied	Hire charges per unit per working days	Stand by charges per unit per off day	Place of issue by name
1	2	3	4	5	6	7
NIL-----						

**SCHEDULE 'D' TRANSPORT TO BE HIRED TO THE CONTRACTOR (SEE CONDITION OF 16 AND 35 OF IAFW-2249)**

SN	Qty	Particular	Rate per unit per working day	Place of issue by name	Remarks
1	2	3	4	5	6
NIL-----					

SIGNATURE OF CONTRACTOR

ACCEPTING OFFICER

**TENDER**

To  
The President of India  
Having examined and perused the following documents

1. Specifications signed by the **Registrar Army College of Nursing Jalandhar Cantt.**
2. Drawings detailed in particular specifications.
3. Schedule 'A', 'B', 'C' & 'D' attached hereto.
4. MES Standard Schedule of rates 2009 (Part-I) 'Specifications' and Standard Schedule of Rates 2020 (Part-II) 'Rates' with and including errata and amendments 1 to 3 for Part-I and 1 to 122 to Part-II herein after referred as the MES Schedule.
5. General Conditions of Contracts IAFW-2249 (.) together with amendments No 1 to 49 and errata 1 to 20
6. **Refer water condition 31 of IAFW-2249 (General Conditions of Contracts)**  
Water will be supplied by MES and shall be charged at the rate of Rs 3.75 for per Rs 1000/- worth of work done priced at contract rates.
7. Should this tender be accepted:- I/We agree:-

(a) That the sum of **Rs. 10,31,608/- (Rupees ten Lakh thirty one Thousand six hundred and eight only)** forwarded as Earnest Money shall either be retained on account of Security Deposit or be refunded by the Army College of Nursing Jalandhar Cantt on receipt of appropriate amount as Security Deposit within the time specified in condition 22 of IAFW- 2249 (General Conditions of Contracts)

(b) To execute all works referred to in the said documents upon the terms and conditions contained or referred to therein at the item rates contained with aforesaid schedule 'A' or at such other rates as may be fixed under the provisions of condition 62 of IAFW-2249 and to carry out such deviations as may be ordered, vide Condition 7 of IAFW-2249 up to a maximum of **10 % (Ten Percent)** and further agree to refer all disputes, as required by Condition 70 to the sole arbitration of an serving Officer having degree in Engineering or equivalent or having passed final/direct final examination of sub division II of Institution of Surveyors (INDIA) recognized by the Government of India to be **appointed from the list of Panel of Arbitrators of HQ AWES** whose decision shall be final, conclusive and binding.

Signature..... Name..... in the capacity of.....

duly authorized to sign the tender for and on behalf of..... (IN  
BLOCK CAPITALS)

Witness.....  
Address.....  
.....  
.....

Dated.....  
Postal Address.....  
.....  
Telephone No.....

**ACCEPTANCE**

Alterations have been made in this document and as evident that these alterations were made before the execution of the Contract Agreement and these have been initialled by the contractor and by **Registrar Army College of Nursing Jalandhar Cantt.**

The said Officer is hereby authorized to sign and initial on my behalf the documents forming part of contract.

The above tender was accepted by me on..... day of ..... 20\_\_ on behalf of the President of India at the item rates contained in the Schedule 'A'

Signature..... dated this ..... day of 20\_\_.

Appointment:

Registrar

Army College of Nursing Jalandhar Cantt,

**(For and on behalf of the President of India)**

**GENERAL CONDITIONS OF CONTRACTS (IAFW-2249 ) FOR**  
**\*LUMP SUM CONTRACTS (IAFW-2159) AND TERM CONTRACTS FOR ARTIFICERS**  
**WORKS (IAFW-1821)**

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

1. It is hereby agreed by me/us\* that the General Conditions of Contract, including Condition 70 pertaining to the settlement of disputes by Arbitration IAFW-2249 containing 33 pages with errata Nos 1 to 20 and amendment Nos 1 to 49 there to form an integral part of the tender documents.
2. The tender submitted by me/us\* is subject to the aforesaid General Condition of contracts in IAFW-2249, an amended copy of which has been supplied to me/us\* and is in my/our\* possession and which I/We\* have read and fully understood, before submission of the tender.
3. My/Our\* signature hereunder is in token of my/our\* having accepted the aforesaid General Condition of contracts together with Errata and amendments (IAFW-2249 –.) and the clause relating to Arbitration forming an integral part of this tender.

**NOTES :-**

- (i) These documents are not attached with tender documents however shall form part of Contract Agreement.
- (ii) The documents mentioned above can be seen in the office of **Registrar Army College of Nursing Jalandhar Cantt.**
- (iii) In case of difference in interpretation due to wording of English and Hindi Version, the English version will prevail as per article 348 of Constitution of India.

\* Delete whichever is not applicable

Signature of Contractor  
Dated:

Accepting Officer



**SCHEDULE OF MINIMUM WAGES**

It is hereby agree that the 'Schedule of Minimum Wages' as published by Government of India or Provincial Governments notification whichever is higher issued up to date of submission of tender shall form part of these tender documents.

My/our signature hereunder amounts to my/our having signed the aforesaid documents forming part of tender.

My/our signatures here under 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 shall form of tender documents.

Signature of Contractor  
Dated:

Accepting Officer

### **SPECIAL CONDITIONS**

1.

(a) These special conditions shall be read in conjunction with the General Conditions of Contracts (IAFW-2249-), IAFW- 1779-A(R-1955) / IAFW- 2159(R-1947) including errata and amendments thereto. If there are any provisions in these special conditions which are at variance with the provisions in the above mentioned documents, the provisions in these special conditions shall be deemed to take precedence.

(b) All headings and marginal notes to these special conditions or to any other documents of this contract are solely for the purpose of giving a concise indication and not a summary of the contents of the clause.

(c) The tenderers are advised to point out in writing discrepancy(s) if any of the tender documents, at least ten days before the due date of receipt back of tender. In case discrepancy(s) in contract documents is/are noticed by the contractor during execution of the work, it shall be brought out to the notice of the Accepting officer of contract and other concerned in writing before commencement of the particular work where the discrepancy(s) is/are noticed failing which the contractor shall forfeit his right to claim on account of such discrepancy(s).

(d) Also where there are obvious mistake in any of the contract provisions, the Accepting officer shall be the sole deciding authority with regard to the intention of the contract documents and his decision in this respect shall be final, binding and conclusive.

2. **VISIT TO SITE OF WORK** : (Reference Para 8, 9 & 12 of Notice of Tender (IAFW-2162) and Condition 4 of IAFW-2249).

(a) The tenderer is advised to visit the site of works with prior permission of the **Registrar Army College of Nursing Jalandhar Cantt**. The tenderer shall also make themselves familiar with the 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 tenderer shall be deemed to have inspected the site(s) and made themselves familiar with the working conditions, whether they have actually inspected the site(s) or not.

3. **OTHER AGENCIES AT SITE OF WORK**

The contractor's attention is invited to the fact that during the currency of this contract, works or other services which are outside the scope of work of this contract may be entrusted for execution to other agencies. The contractor shall permit full access and afford normal facilities and usual convenience to other agencies or departmental workmen if any, engaged by the **Army College of Nursing Jalandhar Cantt** to carryout connected works or services under separate arrangements. The contractor will not be allowed any extra payment on this account.

4. **EMPLOYMENT OF PERSONNEL**

(a) Contractor shall employ only Indian Nationals as his representatives, servants and workmen after verifying their antecedents and loyalty. He shall ensure that no person of doubtful, antecedent and nationality is in any way, associated with the work. If for the reasons of technical collaboration or other considerations the employment of foreign national(s) is unavoidable, the contractor shall furnish full particulars to this effect to the Accepting officer at the time of submission of the tender. As a proof that the contractor has employed only Indian Nationals, he shall render a certificate to **Registrar Army College of Nursing Jalandhar Cantt** within one month from the date of acceptance of the tender to this effect. In case the **Registrar Army College of Nursing Jalandhar Cantt** desires, contractor will have the police verification done of personnel employed by him.

(b) The Registrar Army College of Nursing Jalandhar Cantt shall have full powers

and without giving any reason to order the contractor immediately to cease to employ, in connection with this contract, any agent, servant or employee whose continued employment is, in his opinion, undesirable. The contractor shall not be allowed any compensation on this account.

(c) The contractor's attention is also drawn to Condition 25 of IAFW-2249 in this connection.

(d) Verification of antecedents of Contractors representatives/labour deployed at site in connection with execution of work under the contract, as per security requirement of User Unit/installation shall be the responsibility of the contractor and all expenses in connection with verification of antecedents by Police Authority/Security Agency shall be borne by the contractor.

## 5. **CONDITION OF WORKING**

(a) The work lies in **RESTRICTED AREA**. However, the contractor, his agents, servants, work people and vehicle can pass through lines in which the **Registrar Army College of Nursing Jalandhar Cantt** shall at his discretion have the right to issue passes with photographs as per rules and regulations of the installation/Area in force to control the admission of the contractor, his agents, employees and work people to the site of the work or any part thereof. The contractor shall on demand by the Registrar submit a list of his agents, employees and work people concerned and shall satisfy the **Registrar Army College of Nursing Jalandhar Cantt** as to the bonafides of such people.

(b) Passes **issued by Accepting Officer** should be returned at any time on demand by the **Registrar Army College of Nursing Jalandhar Cantt** or authorities concerned in any case on completion of work. Routine security checks can be carried out including checks at the time of entry/exit through unit lines.

(c) 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 i.e. prohibition of smoking, lighting and fire precaution, restricted hours of working, search at of specified timing etc. Any person found violating the security rules laid down by the authority shall be immediately expelled from the area without assigning any reasons whatsoever and the contractor shall have not claim on this account. Nothing extra shall be admissible for any man-hours, etc lost on this account

(d) Contractor shall make arrangement to issue photo passes to the labours, employees, by him and no extra payment on this account shall be admissible by the department.

### 5.1. **CONDITIONS OF WORKING IN RESTRICTED AREA/CONDITIONS OF WORKING AND SECURITY**

Following are the condition for working within the Restricted area :-

**DEFINITION** :- Restricted area(s) for the purpose of this contract means the area(s) declared as such by the units as shown in site plan/described in Special Conditions.

(a). **VISIT TO SITE WITHIN THE RESTRICTED AREA** :- Permission to enter the restricted area(s) at time of submission of tenders can be obtained, through the **Registrar**. Tenderers are advised to send prior intimation to the **Registrar Army Collge of Nursing** about the particulars of their agents, representative etc., if any, the date and the time of their proposed visits so that necessary arrangement may be made by the Registrar, to secure admission. Whether tenderers visit the site or not they shall be deemed to have full knowledge of the restrictions on entering into, exit from and working within the restricted area.

(b). **ENTRY AND EXIT**:-The contractor/ his agent(s)/ representative(s)/ workmen etc., and his materials carts, trucks or other means of transport, etc., will be allowed to enter through and leave from only such gate or gates and at such times as the Registrar 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 places of entry and exit for the purpose of identifying his carts, trucks, etc, to the personnel-in-charge of the security of the restricted area.

(c). **IDENTITY CARDS OR PASSES** :- The contractor, his agents and representatives are required individually to be in possession of an identity card or pass duly issued & verified by the Registrar /Competent Authority. 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 any time or number of times inside restricted area.

(d) **IDENTITY OF WORKMEN** :- Every workman shall be in possession of an Identity Card. The identity cards shall be issued after a thorough investigation of the antecedents of the labourers of the contractor and attested by the officer- in-charge of the units concerned in accordance with the standing rules and the regulations promulgated in the area concerned. The contractor shall be responsible for conduct and action of his workmen, agents or representatives.

(e). **WORKING HOURS** :- The units controlling restricted area, usually work during six days in a week and remain closed on the 7th day. The working hours available to contractor's labour/staff are however accordingly get reduced because of the time taken in security checks observed at the time of entry and exit and during working hours. The exact working hours, working days and non working days observed for these restricted area(s), where works are to be carried out shall be deemed have been ascertained by contractor before submitting his tender. The tenderers' attention is invited to the fact that total number of working hours for a unit are prescribed in regulations and that they cannot be increased by the Registrar /Competent Authority. The definition of "Working Day" as given under condition 1(t) of IAFW-2249 does not apply in case where the works are carried out in restricted area.

(f). **WORK ON HOLIDAYS** :-The contractor shall not carry out any work on gazetted holidays, weekly holidays and other non-working days except when he is expressly authorised in writing to do so by the Registrar /Competent Authority. The Registrar /Competent Authority may at his sole discretion declare any day as holiday or non working day without assigning any reason for such declaration.

(g). **ACCESS TO RESTRICTED AREA AFTER COMPLETION OF WORK** :- After the works are completed and surplus stores etc. removed, the contractor, his agents, representatives or workmen etc., will not be allowed any access to the restricted area except for attending to any rectification of defects pointed out to him by the Registrar /Competent Authority

(h). **FIRE PRECAUTIONS** :-

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

(ii) Motor transport vehicle, if allowed by the authorities to enter the restricted area must be fitted with serviceable fire extinguishers.

## 6. **SECURITY OF CLASSIFIED DOCUMENTS**

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

## 7. **OFFICIAL SECRET ACT**

The contractor shall be bound by the Indian Official Secret Act, 1923 particularly section 5 thereof, all as per Condition 2A of IAFW-2249.

8. **VALIDITY OF TENDER**

The tender shall remain open for acceptance for a period of **90 (Ninety)** days from the date specified for its submission.

9. **RECORD OF MATERIALS AND PURCHASE VOUCHERS**

(a) The quantity of materials such as cement, steel, paint, bitumen, tar, tar felt, APP membrane, water proofing compound, chemicals for anti-termite treatment and the like, as directed by the **Registrar Army College of Nursing Jalandhar Cantt** (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 Registrar as a check to ensure that the required quantity has been brought to site for incorporation in the work.

(b) Materials brought to site shall be stored as directed by the Registrar and those already recorded in the Measurement Book shall be suitably marked for identification.

(c) 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 the claim for payment for advances on account of the work done in accordance with Condition 64 of General Conditions of Contracts (IAFW-2249).

- |                             |  |
|-----------------------------|--|
| (i) Water proofing compound | (ii) All type of / distemper/ exterior ion |
| (iii) Cement                | (iv) All type of putty and primer          |

(d) The contractor shall, on demand, produce to the **Registrar Army College of Nursing Jalandhar Cantt**, original receipted vouchers/invoices in respect of the materials other than as stated in sub para (c). Vouchers/invoices so produced and verified shall be stamped by the Registrar indicating contract number. The contractor shall ensure that the materials are brought to site, in original sealed containers/packing, bearing manufacturers marking except in case of the requirement of material(s) being less than smallest packing.

(e) The vouchers/invoices will clearly indicate the contract number and the IS No., specific alternative to which the material conforms in case of various alternative in IS.

10. **MATERIALS AND SAMPLES : Refer Condition 10 of IAFW-2249**

(a) The materials and articles, which have been specified from certain makers/manufacturers, shall be of makes/manufacturers as specified. If the manufacturers specified in tender documents make both ISI marked and conforming to ISI, the materials/articles shall be ISI marked.

(b) The materials and articles which have not been specified in tender documents by makes/manufacturers, shall be as under :-

(i) If ISI marked materials are being manufactured the same shall be ISI marked. For list of ISI marked manufacturers refer website BIS i.e., [www.bis.org.in](http://www.bis.org.in)

(ii) If ISI marked materials are not being manufactured the same shall be conforming to IS specifications.

(c) Materials of local origin shall be as specified and conforming to samples kept in **Registrar Army College of Nursing Jalandhar Cantt's** office. The tenderer is advised to inspect sample of materials which are displayed in the office of **Registrar Army College of Nursing Jalandhar Cantt**, 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.

(d) The contractor shall not procure materials and articles unless the samples are first got approved by the **Registrar Army College of Nursing Jalandhar Cantt**.

11. **HANDING OVER OF SITE**

(a) Site for execution of work will be available as soon as the work is awarded. In case it is not possible to make the entire site available on the award of work, the contractor will have to arrange his working program accordingly. No claim whatsoever, for not giving entire site on award of work and for giving site gradually, will be tenable.

(b) **The Bathrooms / Pantries Shall be handed over for repair in staggered manner so as to facilitate the students for daily use. It shall be handed over either floor wise or flank wise at a time. Only on one flank of Floor will be handed over for repair post its completion other bathroom shall be handed over.**

12. **DAMAGE TO EXISTING STRUCTURES**

Any damage to the existing structures, any existing road, etc., during the execution of work shall be made good by the contractor at his own expense. Rectification, replacement, making good and touching up etc. shall be carried out, conforming to the materials and workmanship originally provided and to the satisfaction of the Registrar. In case of any dispute on this account, the decision of **Registrar Army College of Nursing Jalandhar Cantt** shall be final, binding and conclusive.

13. **APPROACHES**

The contractor shall make arrangements for and provide at his own cost all temporary approaches, if required to the site(s), after obtaining approval in writing of the **Registrar Army College of Nursing Jalandhar Cantt** to the layout of such approaches.

14. **QUARRIES AND ROYALTIES**

Quarries are not available on defence land which is in the charge of ACN authorities. Condition 14 of IAFW-2249 shall thus be treated as not applicable.

15. **RELEASE OF PERFORMANCE SECURITY AMOUNT**

Refer Condition 19 and 68 of IAFW-2249. The Performance Security Deposit mentioned in Condition 2 of instructions to contractor may be refunded to the contractor after the expiration of the defects liability period (vide Condition 46) by the **Registrar Army College of Nursing Jalandhar Cantt** provided that the contractor shall first have been paid the final bill and have rendered a No-Demand Certificate (I.A.F.W.-451).

**15.1 Minor defect liability of 2.5% shall be released after 7 Years (Seven ) % defect liability period of water proofing shall be returned after 10 years (ten).**

16. **ALLOTMENT OF LAND FOR STORAGE OF MATERIALS, TEMPORARY SHEDS, ACCOMMODATION OF LABOUR, CANTEEN AND WORKSHOP ETC : Refer Condition 24 of IAFW-2249.**

**Availability of land for storage of materials, temporary workshop, office** : (Refer condition 24 of IAFW-2249):- Delete the following in Para 1 of condition 24 of IAFW-2249, 'In the event of areas of land allotted to him' and following shall be read in conjunction with condition 24 of IAFW-2249. "The contractor shall be permitted to store his materials including erection of temporary sheds thereof and also to erect his temporary workshop and the like at the area of land marked on the site plan free of rent if it is on class A1 land. For other types of land he shall be charged a nominal licence fee of Rs 1/- per year or part thereof in respect of each and every separate area of land allotted to him".

(a) **Availability of land for accommodation for labour** : The contractor shall not be permitted to erect his labour camp inside the ACN land, condition 24 of IAFW-2249 shall be deemed to be amended accordingly.

17. **MINIMUM WAGES PAYBLE** : Refer Condition 58 of IAFW-2249.

(a) The contractor shall not pay wages lower than minimum wages for labour

as fixed by the Government of India/State Govt/Union territory, whichever is higher.

(b) Contractor's attention is also drawn amongst other things to the "explanations" to the schedule of minimum wages referred to above.

(c) The fair wages referred to in Condition 58 of IAFW-2249 will be deemed to be the same as the minimum wages, referred to above as upto date from time to time.

(d) Schedule of minimum wages is not enclosed alongwith tender documents. However contractor shall be deemed to have verified the minimum fair wages payable as on the last due date of receipt of tender.

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

(f) Please note that payment to Contract Labours shall be made by contractor through electronic mode of Aadhar Linked account of concerned labour or in currency coins if desired by concerned labour and proof of same shall be submitted to Eng-in-Charge for verification and a certificate to this effect that "Payment has been made through electronic mode in Aadhar linked bank accounts or in currency coins duly receipted by concerned labour" shall be submitted along with RAR duly signed by the contractor and Registrar Army College of Nursing Jalandhar Cantt. In absence of same payment will not be allowed.

18. **WATER & ELECTRIC SUPPLY**

(a) The water and electricity shall be supplied under the arrangements of Army College of Nursing duly metered and measured as per promulgated rates, which shall be deducted from Running Account Receipts.

19. **BLANK**

20. **LOCATION OF BUILDINGS AND WORKS.**

There may be some changes in layout/sitting of buildings shown in site (layout) plan(s) to suit local conditions and/or departmental requirements. The contractor shall have no claim whatsoever consequent to such change in location/sitting of works.

21. **WATCH AND LIGHTING**

The contractor shall at his own cost take all possible precautions to ensure safety of life and property by providing necessary fencing, barrier, light, watchmen etc. during the progress of work and as directed by the **Registrar Army College of Nursing Jalandhar Cantt.**

22. **MAKING GOOD**

The contractor shall leave or form holes in concrete (plain or RCC), brick work, stone masonry and in any other situation as required for the work or as directed by the **Registrar Army College of Nursing Jalandhar Cantt** and make good all the holes in the same mortar and mix as specified for that portion of work.

23. **CLEANING DOWN**

Refer condition 49 of IAFW-2249. The contractor shall clean all floors, remove cement, lime or paint drops, clean joinery, glass panes etc., touch up all paint work and carry out all other necessary items of works in connection therewith and leave the whole premises clean and tidy to the entire satisfaction of **Registrar Army College of Nursing Jalandhar Cantt** before handing over the items/works. No extra payment shall be admissible to the contractor for this operation.



24. **RE-IMBURSEMENT/REFUND ON VARIATION IN “TAXES DIRECTLY RELATED TO CONTRACT VALUE”.**

(a) The rates quoted by the Contractor shall be deemed to be inclusive of all taxes (including GST, Labour Welfare cess/tax etc.), duties, Royalties, Octroi & 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 of 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 Government 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.

(ii) 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 of 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.

(i) 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 **Registrar Army College of Nursing Jalandhar Cantt** stating that the same is given pursuant to this Special Condition, together with all information relating thereto which he may be in a position to supply. The Contractor shall also submit the other documentary proof/information as the **Registrar Army College of Nursing Jalandhar Cantt** may require

(iv) 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 authorised representative of Government, and shall further, at the request of the **Registrar Army College of Nursing Jalandhar Cantt** furnish, verified in such a manner as the **Registrar Army College of Nursing Jalandhar Cantt** may require, any documents so kept and such other information as the **Registrar Army College of Nursing Jalandhar Cantt** may require.

(v) Reimbursement for increase in percentage rates/imposition of “taxes directly related to Contract value” shall be made only if Contractor necessarily & properly pays additional “taxes directly related to Contract value” to the Government, without getting the same adjusted against any other tax liability or without getting the same refunded from the concerned Government Authority and submits documentary proof for the same as the **Registrar Army College of Nursing Jalandhar Cantt** may require.

25. **CONSTRUCTION LABOUR WELFARE CESS/TAX**

Consequent upon promulgation of ordinance by the president of India, the contractor is liable to pay element for construction labour welfare tax. The rates quoted by the contractor shall be deemed to be inclusive of this tax. The construction labour welfare tax at the prevailing notified rates shall be deducted at source by the **Registrar Army College of Nursing Jalandhar Cantt** while releasing payment to the contractor under the contract.

26. **FIRE PRECAUTIONS**

The contractor, his agents, representatives, workmen etc. shall strictly observe the orders pertaining to fire precaution prevailing within area concerned. Motor transport vehicles, if any allowed by authorities to enter the area concerned must be fitted with serviceable fire extinguishers.

27. **SAFETY PRECAUTIONS**

The contractor shall take every precaution to control traffic on road by keeping danger boards, necessary lighting arrangements, fencing etc. and watchmen to avoid any damage. In case due to excavation or otherwise the road is to be blocked, the contractor shall without any extra cost to the Government provide separate by-pass so that normal traffic is not disturbed. Any damage to existing road/building etc. shall be made good by the contractor with the same specifications as per existing work without any extra cost to the Government. In the event of contractor not fully complying with the above provision to the satisfaction of **Registrar Army College of Nursing Jalandhar Cantt**, the **Registrar Army College of Nursing Jalandhar Cantt** may provide the same for which the expenses incurred shall be recovered the contractor.

28. **BANK GUARANTEE BOND**

In case the contractor desires to furnish Bank Guarantee Bond in lieu of retention money/ Performance Security Deposit the guarantee bond shall be executed as per specimen prescribed by the Government of India, Ministry of Defence on Non-judicial stamp paper(s) of appropriate value from a scheduled bank. In case the Bank Guarantee Bond is executed from a non scheduled Bank the same shall be supported with cover from Reserve Bank of India, Guarantee Bond shall come into force after the same is accepted by the Accepting officer.

29. **WORKING OVER TIME AND ON HOLIDAYS**

The contractor may, if he so desires, be allowed to work around the clock and on Sundays and other Gazetted holidays at the discretion of the **Registrar Army College of Nursing Jalandhar Cantt** provided he gives prior notice at least 48 hours before to the **Registrar Army College of Nursing Jalandhar Cantt** to enable them to make necessary arrangements for provision of work during the late hours and closed days. Contractor shall have no claim, whatsoever, if for any reasons he will not be allowed by the **Registrar Army College of Nursing Jalandhar Cantt** to work over time.

30. **ACTION WHERE NO SPECIFICATIONS EXIST**

(a) In case of any class of works for which there is no such specifications in the tender documents including SSR, such works shall be carried out in accordance with Indian Standard Specification and where Indian Standard Specifications do not cover the same, the work should be carried out as per standard Engineering practice subject to the approval of the **Registrar Army College of Nursing Jalandhar Cantt**.

(b) No claim whatsoever will be tenable for any misunderstanding or for not having ascertained requisite information/knowledge to muster the resources required in satisfactory completion of the entire work to the requirements as per contract agreement.

31. **APPROVAL OF SAMPLE OF WORKMANSHIP IN BUILDING**

To determine the acceptable standard of workmanship, the **Registrar Army College of Nursing Jalandhar Cantt** shall order the contractor to execute work in one block/quarter/building (as decided by the **Registrar Army College of Nursing Jalandhar Cantt**) and shall be completed by the contractor well in advance as directed by the **Registrar** under close supervision of the **Registrar** and same shall be got approved from the **Registrar**. The workmanship of various trades and finishes of this block/quarter/building shall serve as guiding samples for work in the remaining blocks/quarters/ buildings

32. **METHOD OF MEASUREMENT**

Measurement of all measurable work executed under this contract shall be taken in accordance with the rules of measurement as laid down in SSR-2020 pertaining to various items of work as applicable unless otherwise indicated in the respective parts of Schedule "A". will be done and measured by Registrar Army College of Nursing or his representative which

shall be final and binding.

33. **MODE OF PAYMENT**

Department at their option may make e-payment to contractor. For this purpose contractor shall submit his bank account number and other e-payment details i.e. Name of bank, IFSC code, cancelled cheque or photo copy of cheque or front page of saving bank pass book for making e-payment after acceptance of tender to concerned **Registrar**. Bank charges shall be borne by the contractor or cheque as per suitability of Army College of Nursing.

34. **BLASTING**

Blasting is prohibited

35. **VALUATION OF DEVIATION**

For valuation of deviation refer condition 07 of IAFW-2249

36. **TESTING OF MATERIALS:-**

(a) **A LEVEL TESTS FOR WORKS COSTING UPTO 100 LAKHS**

The contractor may set up site laboratory at his option for works costing up to 100 lakh. The contractor shall arrange all equipment / machines for the tests specified in Annexure-I as A level tests at his own cost with prior approval of **Registrar**. The contractor shall employ a competent technical representative as approved by the **Registrar** for the purpose of testing and all such tests shall be carried out in the presence of **Registrar**. The successful tests result thereof shall be recorded and signed jointly by the contractor and the **Registrar**. The charges for these test i.e. A level tests carried out in site laboratory of the contractor shall not be recovered. However in case the contractor has not set up the site laboratory and tests are carried out in Zonal or any other laboratory approved / setup by **Registrar Army College of Nursing Jalandhar Cantt**, the recovery shall be made at rates applicable i.e. as given in Annexure - I.

(b) **B & C LEVEL TESTS :** For tests of 'B' and 'C' level as indicated in Annexure-I, the contractor shall provide all facilities for testing of materials at Zonal laboratory/ Govt approved laboratories or test house / Engg colleges at his own cost. The rates quoted by the contractor shall deemed to be inclusive of these tests. The rates of various tests conducted in Laboratory of MES are indicated in Annexure-I. The contractor shall bear the actual charges of 'C' level tests (to be done in labs other get 'B' level test done at approved test house / Engg college, the same can be done at the cost of the contractor and no separate recoveries will be made by the department for the same.

(c) The recoveries on account of testing charges wherever applicable shall be effected from the running account payments due to the contractor payable after completion of the respective tests or whenever the test is due whichever is earlier.

(d) Irrespective of what is specified in SSR and these tender documents, the cost of all tests shall be borne by the contractor. In case any instrument and/ or equipment's for the testing at site of work are required, the same shall also be provided by the contractor without any extra cost to the Govt.

SIGNATURE OF CONTRACTOR

ACCEPTING OFFICER

DATED\_\_

## **PARTICULAR SPECIFICATIONS**

### **1.1 GENERAL**

1.1.1 Specifications for materials and workmanship shall be all as described in MES Schedule part-I 2009 except where specifically mentioned otherwise in these documents. General rules, preamble to various sections, special conditions, method of measurements, etc., given in MES schedule part-II 2020 shall also apply to this contract unless otherwise mentioned in these documents.

1.1.2 Particular specifications given hereinafter are in brief and are meant only to particularize, amend and emphasize the specifications given in MES schedule.

1.1.3 Particular specifications given hereinafter shall be read in conjunction with the provisions in MES Schedule part-I 2009 and relevant IS referred therein and these particular specifications. In case of discrepancy the provisions of these particular specifications shall take precedence.

1.1.4 Materials provided by the contractor for incorporation in the works shall comply with the requirements of relevant Indian Standards (IS) of latest edition i.e. edition current at the date of issue of tender document.

1.1.5 Where specifications for any item of work is not given in MES Schedule or in these particular specifications, the specifications given in relevant Indian Standard specification or code of practice shall be followed. Specifications given for the items not included in this tender shall be deemed deleted for the purpose of this tender.

### **1.2 MATERIALS :**

1.2.1 All the materials required to be incorporated in the work shall conform to the relevant IS number and bear the ISI certification mark. However the materials which are not being manufactured with ISI certification mark and IS embossing, shall conform to the relevant IS provisions and shall be as approved by the **Registrar Army College of Nursing Jalandhar Cantt.,**

1.2.2 Materials, which are not being manufactured with ISI certification mark and IS embossing / local materials such as sand, aggregate etc. shall strictly conform to samples kept in **Registrar's** office or shall be superior to respective samples kept in **Registrar's** office.

1.2.3 Unless otherwise indicated in schedule 'A', Contractor shall incorporate the material either of the makes listed in list of makes, with prior written approval of **Registrar.**

### **1.3 SAMPLES AND MATERIALS :**

1.3.1 Samples of materials shall be supplied by the contractor to **Registrar** for approval within 15 days of the date of issue of work order.

1.3.2 The contractor shall ensure that the materials used in the work are identical with the approved samples; the materials shall be brought to the site by the contractor in the maker's original packing with the seal intact or with wrapper and shall not be installed unless approved by the **Registrar**

### **1.4 MATERIALS WHICH LOOSE IDENTITY AFTER INCORPORATION:**

(a) For materials, the quantity of which cannot be checked after incorporation in the work shall when collected at site, be recorded in measurement book and signed by both the ACN representative and the contractor as a check to ensure that the required quantity has been brought to site for incorporation in the work. Reference to purchase vouchers No; Name of Manufacture/ dealer from whom material has been purchase shall be recorded on the measurement book (s).

(b) The contractor shall obtain/ procure materials from Manufacture's authorised dealers/ stockists where such authorized sockets have been appointed. The contractor shall produce original receipted voucher of suppliers to the **Registrar Army College of Nursing Jalandhar Cantt** to ensure that the contractor has actually brought the required quantity and the quality of the materials from the authorized dealers/ stockists also to find out the dates there of. These vouchers shall be endorsed, dated and initialed by the **Registrar** giving the contract, and name of work and a certified copy of each of such vouchers signed by both the **Registrar** and the Contractor shall be kept on recodes with the **Registrar** who shall forward these to the **Registrar** soon after completion of work.

#### 1.5 **WORKMANSHIP :**

(a) The contractor shall employ qualified supervisors and skilled tradesman during the entire period of execution of the contract. He shall be demanded by the Registrar to produce such evidence of qualification of his supervision tradesman at the time of commencement of work or at any time during the execution of the contract.

(b) The work carried out shall be of the highest standard conforming to modern Engineering practice both as regards to design and execution. The work shall be executed to the entire satisfaction of the Registrar Army College of Nursing Jalandhar Cantt,

(c) All work shall be executed as per the code of practice as listed in the IS. All electrical work shall be governed by the requirement as specified under the Indian Electricity Act/Rules with latest amendments. The code of practice for electric wiring installation as per IS-274 with amendment No.1 will be strictly followed.

(d) All other items not particularly specified in the aforesaid clause here-in-before shall confirm to the samples kept in Registrar's office and shall be got approved by Registrar. The workmanship shall be all as described in SSR Part-I (2009).

#### 2. **Blank**

#### 3.1 **CEMENT**

##### 3.1.1 **GENERAL :-**

Cement required for the entire work under the concrete shall be procured, supplied and incorporated in the works by the contractor under his own arrangement. Cement shall be of tested quality and shall comply with the requirements mentioned in the drawings, MES Schedules, IS Specification as amended and particular specifications given hereafter.

3.1.2 Type of cement for the subject work shall be Ordinary Port land cement grade 43 (Forty three) in accordance with IS 8112-1989 or Portland Slag cement conforming to IS 455 or Portland Pozzolana cement (PPC) as per IS-1489-1991 (subject to conditions mentioned hear-in-after) at the option of contractor without any price adjustment. Only OPC shall be used in water retaining structures such as OH water tank, static water tank etc, unless otherwise mentioned in structural drawings forming part of the tender documents. However one type of cement shall only be used in an individual building.

3.1.2.1 When the contractor opts for using PPC in the work, Registrar can allow incorporation of PPC subject to following:-

(a) Registrar is required to ensure that PPC meets the strength criteria of 43 Grade OPC as laid down in IS-1812 1989.

(b) The minimum period before striking formwork given in clause 11.3.1 of IS 456-2000 is to be suitably modified at sites by the Registrar s.

- (c) The contractor shall give an undertaking that he shall not claim anything extra what-so- ever on account of extra time for stripping form work etc while using PPC in lieu of OPC.
- (d) In cold climate regions where temperature is lower than 15 degree Cel and important structures like Over Head Reservoirs, Under Ground Sumps, Prestigious Buildings and Buildings with spans 10m or more only OPC shall be used.
- (e) Mixing of OPC and PPC shall not be allowed in work except for plaster and mortar.
- (f) While procuring PPC the following requirements are to be ensured and certificate to that effect shall be obtained for each batch from the manufacturers.
  - i. The quality of fly ash is strictly as per IS 1489 (Part-I) – 2002.
  - ii. Fly ash is inter-ground with clinker not mixed with clinker.
  - iii. Dry fly ash is transported in closed containers and stored in silos.
  - iv. Only pneumatic pumping has been used.
  - v. The fly ash received from thermal power plants using high temperature combustion above 1000 degree Cel has been used.

### 3.1.3 **SOURCES OF PROCUREMENT**

- (a) Cement shall be procured by the contractor directly from any of the following main producers of cement The lists of main producers of OPC & PPC are given in Ser No.2A of Appendix C In addition to above manufacturers cement can also be procured from manufacturer as approved by E-in-C's branch even after the date of submission of bid.
- (b) Where total estimated requirement of cement in the work is less than 1200 bags , contractor can procure cement from the authorised distributors/dealers of the main producers as mentioned above.
- (c) The contractor shall furnish the particulars of the manufacturer of cement along with the date of manufacture to the Registrar Army College of Nursing Jalandhar Cantt, for every lot of cement separately. The cement so brought shall be fresh and in no case older than 90 days from the date of manufacture. The Registrar shall verify the document in support of the purchases of cement. Before placing order for supply of cement by the contractor, he shall obtain written approval from the Registrar regarding name of manufacturer, quantity of cement etc. Cement shall be procured for minimum requirement of one month and not exceeding the requirements of the same for more than two months at a time. The cement shall be consumed in the work within three months after receipt. Cement shall conform to the requirement of IS Specification and each bag of cement shall bear relevant ISI mark. The weight of each consignment shall be verified by the Registrar and recorded. The content of cement shall be checked at random to verify the actual weight of cement per bag. However, the content of cement per bag shall be 50 Kg only subject to tolerance given in Clause 9.2.1.1 and Annexure 'B' of IS –8112 and Clause 10.2.1.1 and Annexure 'B' of IS – 1489 for OPC and PPC respectively.

### 3.1.4 **TESTING OF CEMENT**

- 3.1.4.1 (a) The contractor shall submit the manufacturer's test certificate in original along with test sheets giving the results of each physical test as applicable in accordance with relevant IS provision and the chemical composition of the cement or authenticated copy there of , duly signed by the manufacturer with each consignment, as per the following IS provision. :
  - (i) Method of sampling hydraulic cement as per IS-3535 1986.
  - (ii) Method of physical test of hydraulic cements as per IS-4031.
  - (iii) Method of chemical analysis of hydraulic cement as per IS-4032-

1985.

- (v) The test certificate and test sheet shall be furnished with each batch of cement. The Registrar shall record these details in cement acceptance register to be maintained by him which will be signed by Registrar, and the Contractors as given in the format hereinafter for verification.
- (b) The contractor shall however, organize setting time and a compressive strength test of cement at site labor through designated laboratory on samples collected from the lot brought at site before incorporation in work. The contractor will be allowed to use the cement only after satisfactory compressive strength of seven days. To meet this requirement, contractor is required to keep minimum 10 days stock before any new lot is brought at site, which can be used, in the work. The contractor shall be required to remove the cement not meeting the requirement from site within 24 hours. Seven days strength test will be relied upon to accept the lot of cement to commence the work. 28 Days compressive strength test will be the final criteria to accept/reject the lot.
- (c) The random samples as per relevant IS shall be selected by Registrar before carrying out testing. The record of such samples selected by the Registrar for testing shall be properly maintained in the Cement Testing Register giving cross reference to relevant consignment of cement and quantity received etc.
- (d) Cost of transportation of samples to the approved laboratory/test house and all testing charges including cost of sample shall be borne by the contractor.
- (e) The Registrar shall carryout independent testing as per the tests mentioned in the 'CEMENT SUPPLY AND ACCEPTANCE REGISTER' of random samples of cement drawn from various lots, if sample fails in 7 days compressive strength. The testing shall be carried out through National Test House, SEMT, CME, Regional Research Laboratories, Govt. approved Laboratories, Zonal Laboratories/IIT Kanpur as per IS-3535-1986, (Method of sampling hydraulic cement), IS-4031 (Method of physical test for hydraulic cement) and IS- 4032-1985 (Method of chemical analysis of hydraulic cement) referred to above. The decision as to where the testing of cement is to be done shall be taken by Registrar. In case the cement is not of requisite standard despite manufacturer's test certificate, the contractor shall remove the total consignment from the site at his own cost after written rejection order of the consignment by the Registrar. The cost of test shall be borne by the contractor irrespective of the results of testing.
- (f) The contractor shall submit original purchase vouchers for the total quantity of cement supplied under each consignment to be incorporated in the work. All consignments received at the work site shall be inspected by the Registrar along with the relevant documents to ensure the requirements as mentioned herein before, before acceptance. The original purchase vouchers and the test certificates shall be verified for subject contract and defaced by the Registrar and kept on record in the office of the Registrar duly authenticated and with cross reference to the consignment/control number recorded in the Cement Acceptance Register'. The Cement Acceptance Register shall be signed by the Registrar and the contractor. The contractor shall maintain schedule of supply of cement for each consignment.
- (g) The Accepting officer may order a board of officers for random check of cement and verification of connected documents during the currency of contract

### 3.1.5 **STORAGE/ACCOUNTING/PRESERVATION OF CEMENT**

3.1.5.1 (a) Cement shall be stored in covered godown over dry platform at least 20 cm high in such a manners as to prevent deterioration due to moisture or intrusion of foreign matter. In case of store room the stack should be at least 20cm away from floors and 60 cm from walls. The stacking of cement shall be done as specified in relevant IS. The storage accounting and preservation of cement supplied by the contractor shall be done as per standard Engineering practice till the same is incorporated in the work and the cost of the same shall be deemed to be included in the unit rate/amount quoted by the tenderer. The Registrar (EIC) shall inspect once a day to verify that cement lying at site is stored, accounted, preserved and maintained as per the norms. The cement shall be stored so as to differentiate each tested and

untested consignment separately with distinct identification. If the Registrar is not satisfied with the storage/preservation of cement, he may order for any test (s) of cement as applicable for that consignment to ensure its conformity to the quality mentioned in the manufacturer's test certificate. The contractor shall bear the cost of necessary testing (s) in this regard and no claim whatsoever shall be entertained.

(b) Stacking of cement shall be done as per relevant IS and as under :-  
Each cement consignment shall be stacked separately and removal shall be made on the basis of First in First out.

(ii) Adequate top cover will be provided.

(iii) Stacks in no case shall be higher than 12 bags. The maximum width of each stack shall be 3.00 m. If the stack is more than 7 or 8 bags high, the bags shall be arranged in header and stretcher fashion, i.e. alternatively lengthwise and crosswise so as to pile together and avoid topping over.

(iv) Adequate space shall be kept between two stacks.

(c) Cement godown shall be provided with two locks on each door. The key of one lock at each door shall remain with Registrar or his representative and that of the other lock with the contractor's authorized agent at site of works so that cement is removed from the godown only according to daily requirement with the knowledge of both the parties. During the period of storage, if any cement bag (s) is found to be in damaged condition due to whatsoever reason, the same shall be removed from the cement godown on written orders of the Registrar and suitable replacement for the cement bag (s) so removed shall be made and no claim whatsoever shall be admissible on this account.

(d) In case more than one type of cement is used in the work ie Ordinary Portland cement or Portland Pozzolana Cement, both type of cement shall be stored separately as directed by the Registrar to avoid mixing of these type of cement. Separate record shall be maintained including the location/items where these type of cement are used.

(e) Cement shall be removed from the store only according to daily requirement with the knowledge of both the parties and the Registrar and the contractor shall record daily consumption of cement in cement consumption register, which shall be signed. Cement constants given in Appendix 'A' to E-in-C's branch letter No. 19280/E8 dated 03 May 1976 shall form the basis of consumption of cement for various items of works unless specifically indicated otherwise.

(f) In case the consumption of cement as per cement consumption register is found to be more than the estimated quantity of cement due to whatsoever reason, the contractor shall not have any claim whatsoever for such excess consumption of cement.

### **3.1.6 SCHEDULE OF SUPPLY**

The contractor shall procure the cement timely as required in accordance with CPM chart agreed between Registrar and the contractor. The contractor will forfeit his right to demand extension of time if the supply of cement got delayed due to his failure in placing order in time to the manufacturer.



### **3.1.7 MEASUREMENTS AND PAYMENT OF CEMENT**

3.1.7.1 (a) The entire quantity of cement shall also be suitably recorded in the measurement book for record purposes as Not to be abstracted before incorporation in the work and shall be signed by the Registrar and the contractor.

(b) The payment shall only be allowed after production of original purchase voucher, certified copies of test certificates from manufacturer for each consignment and results of testing carried out in laboratory on receipt of cement (7 days compressive test) are found satisfactory after testing at site as per condition 64 of IAFW-2249. Rate of payment given in SSR shall be applicable for cement irrespective of type of grade of cement specified for use in the work

#### **3.1.7.2 DOCUMENTATION**

The following documents will be maintained by the Registrar for cement supplied by the contractor in addition to the documents specified in the contract:-

(a) Original vouchers of cement shall be kept in the concerned file of the contract in Registrar Office, serially numbered on each page.

(b) Original test certificates and test sheet should also be kept in the concerned file of the contract duly numbered.

(c) Cement acceptance register.

(d) In / Out Register for cement. Register containing results of independent and additional testing by Registrar.

(e) Register containing records of surprise checks and BOO.

(f) Inspection Register.

### **4. AGGREGATE**

#### **4.1 COARSE AGGREGATE**

(i) Coarse aggregate (stone aggregate) for all cement concrete work such as PCC/RCC shall be of granite/basalt/trap stone of approved quality all as specified in clause 4.4.1 to 4.4.7 of MES Schedule Part-I and complying with the provision of IS-383. Mixture of two types of stones shall not be permitted

(ii) Coarse aggregate (stone aggregate) 20mm and below shall be machine crushed. Coarse aggregate above 20 mm may be hand broken.

(ii) Grading of coarse aggregate (stone aggregate) unless specified otherwise in the specifications here-in-after in various work i.e PCC/RCC shall be as specified in MES schedule Part-I.

#### **4.2 FINE AGGREGATE**

(i) Fine aggregate for all concrete work shall be coarse sand conforming to requirement laid down in clause 4.4.7.2 of MES Schedule (Part I) except that sand conforming to grading zone IV of IS-383 shall not be used in concrete work.

(ii) The sand shall be stored at site in bins or in dumps. The contractor shall take necessary precautions to avoid contamination or risk of shoveling up earth or other impurities by keeping sand over firm level ground as stipulated in IS 4082.

(iii) **Contractor shall carryout, following tests as and when desired by accepting officer/ Engineer-in-charge i.e Sieve Analysis, Specific Gravity test, Silt Content test, Water Absorption test.**

#### 4.3 **SOURCE OF MATERIAL**

Source of materials for concrete, masonry and plaster work shall be as under :-

- (i) Fine aggregate (Coarse /fine sand) - Locally best available.
- (ii) Coarse aggregate upto 40 mm for - Machine Crushed Source  
approved by the Registrar Plain  
and reinforced cement  
concrete.
- (iii) Hard Core 40 mm to 63 mm - Machine Crushed Source  
approved by the Registrar.
- (iv) Stone - Best locally available.
- (v) Bricks (Fly Ash) - Best locally available.

**Note:-** In case of non availability of above materials from the respective destinations, the contractor can procure these materials from any other sources on approval by Accepting Officer without any extra cost to ACN.

4.4 Both coarse and fine aggregate shall be washed before use if the percentage of deleterious material exceeds the limit given in clause 4.4.3 of MES Schedule Part-I.

#### 5 **FORM WORK:**

- 5.1 Form work shall be all as specified in para 4.11.6 and para 7.15 of MES Schedule (Part I).
- 5.2 Following precautions shall be taken for structural concrete work while using portland/ pozzolana/ blast furnace slag cement: -
  - (i) Wet curing shall be done for a period of 14 days.
  - (ii) For stripping of form work the following provisions of IS-456 shall be strictly adhered to.

6 **Water proofing compound powder/ liquid:** Water proofing compound shall be powder/ liquid as specified in Schedule 'A'/ BOQ and shall be added as per manufacturer's instructions where waterproof plaster/ concrete have been indicated to be provided.

#### 7 **RCC jalli**

RCC jalli shall be provided as described in Schedule 'A'/ BOQ. RCC jalli shall be pre-cast RCC (1 cement: 2 coarse sand: 1 stone aggregate of 6mm nominal size). The thickness of jalli shall be as described in Schedule 'A'/ BOQ. Pre-cast jalli shall be set and jointed in cement mortar (1:3). Exposed surfaces of jalli shall be finished fare & even. Surface shall be finished to the specifications as that of adjoining wall surface.

#### 8 **PRECAST REINFORCED CONCRETE**

Precast concrete articles shall generally conform to the specifications as described in para 4.20 of MES Schedule (Part I).

#### 9 **BRICK WORK:**

Bricks shall be kiln burnt Sub Class 'B' best quality conforming to the samples kept in GE's office. Irrespective of whatever specified in Sch 'A'/Notes on drawings, bricks shall have average compressive strength of not less than 75 Kg/cm<sup>2</sup> for all works. Water absorption of bricks shall not exceed 20% when tested in accordance with IS-3454 and IS-3495. The nominal size of bricks shall be 230mm x 115mm x 75mm. The tolerance in size of bricks shall be  $\pm 8\%$ . Sand for mortar shall be as specified in Clause 5.4 of MES Schedule (Part-I).

10 **WOOD WORK AND JOINERY:**

10.1 Type of timber in various locations shall be as described in Schedule 'A'/ BOQ. However, if the species of timber is not specified in CA, it shall be as under:-

- |     |                                 |   |                  |
|-----|---------------------------------|---|------------------|
| (a) | 1 <sup>st</sup> Class hard wood | : | Shisham/ MP teak |
| (b) | 2 <sup>nd</sup> Class hard wood | : | Sal              |

10.2 Particle board shall be veneered teak face particle board bonded with phenol formaldehyde synthetic resin exterior grade conforming to IS-3097.

10.3 All surfaces of joinery and wood work shall be wrought except hidden surfaces and surfaces in contact with or embedded in concrete or masonry which shall be clean swan.

11. **PANELLED/ GLAZED/ GAUZED SHUTTERS:**

11.1 Refer to para 8.16.8 of MES Schedule (Part-I). All panelled/glazed and wire gauged shutters for doors shall be factory made conforming to IS: 1003 (1987), manufactured from well selected kiln seasoned, chemically pressure treated timber. Styles and rails shall be of 2<sup>nd</sup> class hard wood Hollock/ Sal/ Bijasal/Benteak treated as per IS-1141. The panel inserts shall be 12mm thick BWR ply wood having seven ply commercial veneers on both faces of BWR grade and bonded with phenol formaldehyde synthetic resin adhesive and shall be ISI marked with IS-303. The shutters shall be procured from any one of specified manufacturers. Sample of shutters shall be got approved from the Registrar before placing the bulk order.

11.2 Factory made shutters shall be brought to site without application of primer. Primer shall be applied after the shutters are got approved from the Registrar Army College of Nursing.

12 **FACTORY MADE SOLID PANEL PVC DOORS:**

These shall be factory made and shall be provided as specified in schedule 'A' and all as described in clause 8B.1 to 8B.10 and shown on page No 144 to 148 of section 08 of SSR (Part II).

13 **SOLID PVC WALL LINING, PARTITION, CEILING**

13.1 Solid PVC Wall Lining shall consist of PVC sheet stuck with solvent cement on PVC sheet paneling fillets as per direction of Engineer-in-Charge & manufacturer's instruction. Rectangular or circular pillars or other insets in the wall shall be covered using heat bent PVC sheet to ensure heat bending of the PVC sheet at the required angle: suitable groove shall be cut in the PVC sheet if required. Two PVC lining sheets shall be stuck adjacent to each other after leaving a gap of 2mm. If so desired strips of 5mm thick PVC sheet of width 75mm feathered at the edges can be stuck at the places where two PVC sheets are joined, using solvent cement. Broader arrangement shall be as shown in drawings in MES Schedule (Part-I).

13.2 Insulated PVC wall lining shall consist of PVC insulated panels having wall thickness of 2mm PVC sheet and the desired thickness of EPS (dependent on the insulation required) screwed into the wall using screws of adequate length. The screws shall be placed at a distance of 150mm and shall be 25 mm from the edge of the insulated panel on all sides of the panel. Strips of 5 mm thick PVC sheet of width 75 mm feathered at the edges shall be stuck at the places where two panels are joined so as to cover the screws of both the panels, using solvent cement. 900 heat bent strips of 5mm thick PVC sheets of width 75mm x 75 mm feathered at the edges shall be stuck at wall joints/pillars etc. Broader arrangement shall be as shown in drawings in MES Schedule (Part-I).

14 **FLUSH SHUTTERS**

Refer para 8.25 of MES Schedule (Part-I).

15. **BUILDERS HARDWARE:**

15.1 Builders hardware shall be provided of type and size as specified in Schedule 'A'. Fittings shall be of ISI marked of approved makes as indicated.

15.2 Irrespective of what is mentioned in Schedule 'A', sliding door bolt shall be bolt type, conforming to relevant IS.

15.3 The shape and dimension of the fittings shall conform to that given in relevant IS Specifications, unless otherwise indicated. Where however shape of fitting or its components are indicated in the relevant IS specifications, as illustrative, they are not intended to limit there design. Such fittings or components shall be provided of the shape as approved by the Registrar Army College of Nursing.

- 15.4 Where no IS Specifications are indicated, such fittings shall be provided equal in quality to the sample maintained in Registrar Army College of Nursing office or otherwise as approved by Registrar Army College of Nursing.
- 15.5 Fittings shall be well made and finished to correct shape and size, free from surface defects and flaws and shall have smooth action. Cast fittings or components shall be free from casting and other defects. All screw holes shall be countersunk to suit the countersunk head wood screws. All burrs, sharp edges and corners shall be removed and finished smooth.
- 15.6 Unless otherwise indicated, brass articles shall be fixed with brass screws and mild steel, cast iron and aluminium articles with steel chromium plated screws or as indicated. Screws shall be of the size as given in the IS specifications for the fitting or as required

16. **STEEL AND IRON WORK:**

16.1 **GENERAL**

All steel including structural steel, steel sheets etc for entire completion of work shall be procured by the contractor at his own cost.

16.2 **MATERIALS**

Size type and Gde of steel shall be as described in schedule 'A'. However, if Gde and type of steel are not described in schedule 'A' the same shall be TMT bars Gde FE- 500/ Fe-550/ Fe-550d for reinforcement and MS Gde E-250 Fe-410 W (Quality 'A') for structural purposes. Various types of steel are given as under: -

(i) **REINFORCEMENT STEEL:** High strength deformed steel bars produced by thermo mechanical treatment process of Gde Fe-500/ Fe-550/ Fe-550d and meeting all other requirements of IS – 1786.

(ii) **STRUCTURAL STEEL:**

(a) Specification of structural steel as given in clause 10.4 of MES Schedule (Part-I) shall be applicable. Standard quality Gde E-250 Fe- 410 W (Quality 'A') conforming to IS-2062 for all types of steel structures including those subject to dynamic loading shall be used.

(b) Ordinary quality steel E-165 Gde Fe-290 conforming to IS -1977-1975 for all non structural use viz, doors, windows guard bars, grills, steel gates, hand railing, fencing posts etc.

(c) Galvanized steel sheets (Plain and corrugated) shall be conforming to IS-277 of 1985 with medium coating of zinc, nominal 120 g/ sqm.

(d) Fabric reinforcement for concrete shall be confirming to IS-1566 of 1982

16.3 **PROCUREMENT OF STEEL:-**

16.3.1 TMT steel bars irrespective of size shall be procured from main/ primary producer(s) i.e. SAIL/ RINL/ TISCO/ Shyam Steel industries Ltd/ Jai Bala ji Industries Ltd/ SPS steels rolling mills Ltd. /Steel Exchange India Ltd./ Jindal Steel & Power Ltd./ SRMB Srijan Ltd.

16.3.2 All structural steel shall be procured from main/ primary producer(s) i.e. SAIL/ RINL/ TISCO Shyam Steel industries Ltd/ Jai Bala Ji Industries Ltd/ SPS steels rolling mills Ltd./ Steel Exchange India Ltd./ Jindal Steel & Power Ltd./ SRMB Srijan Ltd. In case of Non availability of structural steel with SAIL/ RINL/ TISCO/ Shyam Steel industries Ltd/ Jai Bala ji Industries Ltd/ SPS steels rolling mills Ltd./ Steel Exchange India Ltd/ Jindal Steel & Power Ltd, the same can be procured from approved secondary producer subject to minus price adjustment.

**Note:** - Steel section for railings, gates, fencing, guard bar, steel chowkhats and holdfasts etc, which do not constitute structural members, can be procured from main producers/secondary producers/BIS marked manufacturers or their authorized dealers at the option of contractor without any minus price adjustment. These should also conform to IS-1732 for general engineering purpose. However, tests will not be insisted upon for such steel sections.

16.3.3 The galvanized iron sheets & fabric reinforcement for concrete shall be ISI marked & shall be procured from main producers.

16.3.4 Main producers of steel and the approved secondary producers/ manufacturers are specified in **Appendix 'B'** to these particular specifications.

- 16.3.4 The galvanized iron steel sheets and fabric reinforcement for concrete shall be ISI marked and shall be procured from main manufacturers.
- 16.3.5 Reinforcement shall be fabricated, placed in position all as shown on drawings and specified in clause 10.17 to 10.22 of MES Schedule (Part-I) without application of heat.
- 16.3.6 All laps and crossing shall be tied with mild steel wire (annealed) of size not less than 0.9mm dia and the cost deemed included in the quoted rate of the contractor
- 16.3.7 For the purpose of calculating the rate and making adjustment arising out of deviations involving reinforcement bars, the length of each bar for laps shall be taken as 10 metres.
- 16.3.8 All finished steel shall be well and clearly rolled to the dimensions, section and weights specified. The finished material shall be reasonably free from cracks, surface flaws laminations, rough, jagged and imperfect edges and other harmful defects and shall be finished in a workman like manner.
- 16.3.9 Tolerance on size and weight of reinforcement bars shall not be more than specified in clause 10.17.4 & 10.17.5 of MES Schedule (Part-I).
- 16.4 Main producer of steel and the approved secondary producer/ manufacturers for steel and Iron work.

16.5 **TESTING OF STEEL:-**

- (a) The manufacturer is to carry out inspection and testing of steel in accordance with the relevant BIS provisions. The contractor shall submit the manufacturer's test certificate in original alongwith the test sheet giving the results of each mechanical test as applicable and the chemical composition of the steel or authenticated copy thereof duly signed by the manufacturer with each consignment. Engineer-in-Charge shall record these details in Steel Acceptance Register as given here-in-after after due verification.
- (b) In case reinforcement steel and structural steel are procured from secondary producers, independent testing shall be got carried out by Registrar Army College of Nursing on random samples of steel drawn from various lots from a National Test House, SEMT CME, Regional Research Labs, Govt. approved Labs, Zonal labs etc. as per frequency given below :-

<u>STEEL FOR CONCRETE REINFORCEMENT</u>	QUALITY
1. Bars size less than 10mm	1 Sample; (3 Specimen) for each test for every 25 tonne or part thereof
2. Bar size 10mm to 16mm	1 Sample; (3 Specimen) for each test for every 35 tonnes or part thereof
3. Bars size over 16 mm	1 Sample; (3 Specimen) for each test for every 45 tonnes or part thereof
<u>STRUCTURAL STEEL</u>	
4. Tensile test	1 Test for every 25 tonne of steel or part thereof
5. Bending test	1 Test for every 10 tonne of steel or part thereof

**NOTES:-**

- (i) Independent testing of steel by the Registrar Army College of Nursing shall be optional at the discretion of the Registrar Army College of Nursing in case of procurement of steel from main producers and testing charges shall be borne in accordance with condition 10A of IAFW 2249 i.e. testing charges shall be borne by the Deptt if the test results are found in order otherwise these shall be borne by the contractor.
- (ii) Independent testing of steel by the Registrar Army College of Nursing shall be mandatory in case of procurement of steel from secondary producers and testing charges shall be borne by the contractor irrespective of the outcome of test results.
- (iii) In both the cases at sub para (ii) and (iii) above, the contractor at his cost shall provide all facilities required for the testing.

(vi) Cost of materials used in testing including its transportation shall be borne by the contractor and no extra claim what so ever shall be admissible irrespective of test results. Minimum numbers of tests shall be as mentioned here in before. Wherever same is not indicated, it shall be decided by Registrar Army College of Nursing.

(v) For various tests, acceptance criteria, tolerance etc refer appendix 'F' and relevant BIS codes.

(vi) Sample from each lot shall be tested for quality and elongation. The elongation shall not be less than 18%.

#### 16.5.2 **DOCUMENTATION:-**

(a) Steel acceptance register and measurement book (for record purpose and as 'Not to be Abstracted') shall be maintained by the concerned JE. The contractor shall submit original machine numbered purchase vouchers from the main manufacturer for the total quantity of steel supplied under each consignment to be incorporated in the work. All consignments received at the work site shall be inspected Engineer-in-Charge alongwith relevant documents before acceptance.

(b) The original purchase vouchers and test certificates shall be defaced by Engineer-in-Charge and kept on record duly authenticated with cross reference to the control number in the steel acceptance register. The Steel Acceptance Register will be signed by JE, Engineer-in-Charge and contractor and shall be maintained by concerned JE.

#### 16.5.3 **STEEL IN COILS ETC**

Any bar of any diameter for reinforcement may be procured in round; bundles or coils and the cost of straightening the same shall be borne by the contractor. When bars are procured in bundles, the length of each bundle shall be worked out on the basis of unit weight pre determined by the Registrar Army College of Nursing by getting suitable length (not less than 3 metre) out of each consignment(s) received, getting it straightened, length measured and weighed in presence of contractor's accredited representative. The said length(s) and the weight (s) shall be recorded from which unit weight (Weight per unit length) shall be calculated. The length of bars worked out on the basis of unit weight determined as above shall form the basis for the purpose of calculating quantity of steel used/to be used in work and making payment of materials lying at site. However, if the unit weight works out more than the unit weight given in SSR then unit weight given in SSR shall be followed for computing weight of steel for the purpose of making payment of steel lying at site.

#### 16.5.4 **STORAGE**

Steel of different sizes shall be stacked separately for each classification of steel. Separate area shall be earmarked. Steel shall be marked with distinct painting marks for easy identification. All steel shall be stored at least 15cm above ground level. Steel shall be stored in a manner so as to prevent distortion and corrosion. Any section that has deteriorated or corroded or if considered defective by Engineer-in-Charge, shall not be used in the work and shall be removed by the contractor from the site of work without any extra cost. It shall be the responsibility of the contractor to make sure that all possible arrangements are made for the safe custody of the steel. In case of any loss of steel, contractor shall only be responsible and the loss shall be made good without any delay and no claim shall be admissible on this account.

#### 16.5.5 **SCHEDULING OF SUPPLY**

Schedule of supply of steel shall be finalised by the contractor with Registrar Army College of Nursing and shall be incorporated in CPM chart as that supply of steel is monitored in a way to avoid any delay in the completion of work.

16.5.6 **Payment of steel:** The payment of steel shall only be allowed after production of original purchase vouchers, test certificates by the contractor for each consignment of steel and results of testing if carried out by the department are found satisfactory after testing as specified here-in-before.

16.5.7 **Welding:** Welding of reinforcement, if specifically allowed in writing by Registrar Army College of Nursing shall be by metal arc welding. Running welding shall be done unless otherwise specified. All welds should be 6mm fillet welds unless otherwise specified.

The welding of frames of the doors shall be done by flush but welding, but permissible weld of MS square pipe with flat iron frames of railing where shown on drawings shall be with running welding.

- 16.5.8 **Holdfasts/Lugs**: Flat iron 25 x 3mm holdfasts/ lugs shall be provided by welding where shown on drawings except those to be provided to wooden chowkhats, which shall be fixed with bolts/nuts as per details shown on drawings. Holdfasts in wooden chowkhats shall be plugged with hard wood plugs. Hold fasts/lugs shall be embedded in PCC (1:3:6) bed block of size 230 x 230 x 75mm in one brick thick or equivalent walls and 115mm x 230mm x 75mm in half brick thick or equivalent walls.

16.6 **STEEL WINDOWS**

Steel windows shall be all as described in Sch 'A'. be refered for fabrication & fixing arrangement.

16.7 **PRESSED STEEL FRAME FOR WOODEN DOOR SHUTTERS**

- 16.7.1 Where described in Schedule 'A'/ BOQ, pressed steel door frames shall be of machine pressed steel and shall be made out of mild steel (PBI) of 1.25mm thick and shall comply with requirement of IS-4351 of 1976 (Specification for steel doors frames). Surfaces in contact with concrete/ brick (except reinforcement) shall be tarred. Further, hollow portion of frame between wall & frame shall be filled with PCC (1:3:6) type C-0 using stone aggregate and shall be thoroughly compacted. Quoted rates shall be deemed to include for these provisions and nothing extra shall be allowed on this account. Lugs (hold fasts) should be flat iron 25 x 3mm of 20cm length made to shape.
- 16.7.2 Pressed steel frames shall be procured from any of the manufacturers specified in appendix 'B' to these particular specifications.

16.8 **Aluminium Doors, Windows & fixed glazing**

- 16.8.1 Aluminium doors & windows shall be provided as directed by Engineer-in-Charge.
- 16.8.2 Unless otherwise indicated aluminium sections shall be extruded heavy duty anodised natural finish satin shade. Unless otherwise indicated, thickness of aluminium sections shall be 3mm.
- 16.8.3 Standard aluminium beading shall be provided all around the aluminium windows/doors for fixing glazing.

16.9 **PLYWOOD**

- 16.9.1 Plywood shall conform to the requirements of IS 373-1975, Specification for plywood for general purposes. Plywood shall be of grades BWP (boiling water proof) or BWR (boiling water resistant), as indicated. The quality requirement of each face of the plywood as given in Table 1 of the IS, shall not be inferior than type B. Along with the thickness of plywood, the number of plies shall also be indicated. Plywood boards shall be uniform thickness and free from warp and cracks. The faces of plywood boards shall be reasonably smooth with face veneers of uniform thickness. The edges of the boards shall be trimmed square.
- 16.9.2 Tolerance in thickness of plywood shall be within the limits as specified in para 12.10.1 of MES Schedule (Part-I).

16.10 **DECORATIVE PLYWOOD**

- 16.10.1 Decorative plywood shall be of type I quality conforming to IS 1328-1996, Specification for veneered decorative plywood. Decorative plywood shall have decorative veneers of the specified species of timber and on one or both the faces, as indicated.
- 16.10.2 Permissible tolerances on the thickness shall be as under:-Positive: 10 percent of nominal thickness. Negative: 5 percent of nominal thickness.

16.11 **FIXING OF PLYWOOD, BLOCK BOARD, PARTICLE BOARD AND VENEERED PARTICLE BOARD**

- 16.11.1 Decorative veneers shall be matched or mismatched to achieve a decorative effect in colour, figure and grain. Where directed decorative veneers shall be matched to particular design, for example quartered, centered, diamond or V matched or shall be arranged to form a group to give an overall general effect. The pattern and figure matching shall be decided, put on paper and boards preferably numbered for their positions. Any board so required shall be cut to the required plan.
- 16.11.2 The boards shall be carefully lifted and fixed to the frame-work with wood screws. All the edges shall be fixed to the frame members by screws spaced 7.5cm center for

4mm to 6mm thick plywood, for thicker boards, the center to center spacing of screws may be at about 15 times the thickness. The screws shall have a clearance of 10 mm from the edge line. At the line of intermediate support, the screws shall be fixed at center to center spacing not exceeding 25 times the thickness. All the screws shall be countersunk. The screws shall be fixed starting from one corner and extending to both sides to fix the board flat and level. The length of the screws shall be as follows:

- (a) For boards up to 7mm thick - 25mm
- (b) For boards above 7mm upto 12mm thick - 35mm
- (c) For boards above 12mm thick - Thickness +20 mm.

16.11.3 The joints, if left open, shall be filled with painter's putty and brought to level or may be cut to "V" shape. They may also be left open, bevelled or parallel grooved using plane and chisel or grooving cutter. The boards may also be pre-cut and edges rounded before fixing. In the case of decorative boards, the joints may be coloured to match the general colour and pattern of the ceiling boards. Alternatively the open joint shall be covered by a beading or strips as indicated

## 17 **FLOORING:**

- 17.1 Refer clause No 13.25 of MES Schedule (Part I).
- 17.2 Exposed edges of floor shall be finished to match with top surface of floors.
- 17.3 The junction between floor and walls shall be at right angle.
- 17.4 Floors shall be laid to level or to slope of sunk as directed by Engineer-in-Charge.
- 17.6 Composition of floor shall be as described in Schedule 'A'.
- 17.7 PCC floors and cast in site terrazzo floors shall be laid in bays adopting panel dimensions specified in clause 13.32.1 of MES Schedule (Part-I).
- 17.8 Sub base need not be laid in bays. No price adjustment shall be made on this account.
- 17.9 Cast-in-Situ terrazzo finish unless indicated otherwise in schedule 'A', shall be with 100% grey cement. Where cast-in-situ terrazzo with white cement has been specified, it shall be with 100% white cement mixed with pigment of light shade if so directed by Registrar Army College of Nursing without any extra cost.
- 17.10 Unless otherwise mentioned in Schedule 'A', marble aggregate (chips) for cast-in-situ terrazzo flooring shall be 4 to 7mm (grade I) and for dado/skirting it shall be 2 to 4mm (grade-I). The colour of marble chips shall be as approved by Registrar Army College of Nursing. Workmanship shall be all as per SSR
- 17.11 Composition of floor shall be as described in Schedule 'A'.
- 17.12 PCC floors and cast in site terrazzo floors shall be laid in bays adopting panel dimensions specified in clause 13.32.1 of MES Schedule (Part-I).
- 17.13 Sub base need not be laid in bays. No price adjustment shall be made on this account.
- 17.14 Cast-in-Situ terrazzo finish unless indicated otherwise in schedule 'A', shall be with 100% grey cement. Where cast-in-situ terrazzo with white cement has been specified, it shall be with 100% white cement mixed with pigment of light shade if so directed by Registrar without any extra cost.
- 17.15 Unless otherwise mentioned in Schedule 'A', marble aggregate (chips) for cast-in-situ terrazzo flooring shall be 4 to 7mm (grade I) and for dado/skirting it shall be 2 to 4mm (grade-I). The colour of marble chips shall be as approved by Registrar Army College of Nursing. Workmanship shall be all as per SSR

## 18. **NON SKID CERAMIC TILES FLOORING**

- 18.1 Non skid ceramic coloured tiles shall be conforming to the requirements as given in clause No. 13.14 of MES Schedule (Part-I) and shall be provided of as mentioned in BOQ over screed bed and jointed in neat cement slurry pointed in white or coloured cement to match the shade of tiles. The design of tiles shall be approved by Registrar Army College of Nursing. Non skid ceramic tiles shall be laid as in the manner as specified in relevant clause of MES Schedule (Part-I). The tiles shall be ISI marked and best quality of class-I (Grade-A) as approved by the Registrar Army College of Nursing. Workmanship shall be as per clause 13.40 and 13.40.1 to 13.40.3 of MES Schedule (Part-I).



19. **GLAZED CERAMIC TILES**

- 19.1 Glazed ceramic tiles shall be laid in the manner as specified in relevant clause of MES Schedule (Part I). Tiles shall be white or coloured and of size as mentioned in respective item of Schedule 'A'. These shall be laid over screed as described in Schedule 'A' / BOQ and set and jointed in neat cement slurry and pointed in white cement or coloured cement as per site requirement. Glazed tiles shall conform to relevant IS and shall be from any one of the makes given in Appendix 'A'. Workmanship shall be as per clause 13.40 and 13.40.1 to 13.40.3 MES Schedule (Part-I).

20. **GALVANISED STEEL WATER TUBING & FITTINGS:**

- 20.1 Galvanized steel tubes/ pipes shall conform to IS-1239 (Part I) 1979 and shall bear ISI mark. The fittings shall be as per IS-1239 (Part-II) 1982 and shall bear ISI mark. For pipes and fittings refer clause 18.4 of MES Schedule (Part-I).
- 20.2 All galvanised steel tubes/pipes shall be measured net without any allowances for cutting, screwing waste length as laid and fixed overall fittings fully screwed on the tubes/ pipes. The length of these tubes/ pipes shall be measured along the center line of tubes/ pipes including fittings.
- 20.3 The unit rate in Schedule 'A' for galvanised steel tubes/pipes shall be deemed to include the cost of supplying and fixing of tubes/ pipes with screwed socket joint (with white or red lead, cement and wrapping round a few turns of fine yarn) with and including all necessary fittings. Nothing extra shall be paid for these tubes/ pipes fittings.

21. **WATER STORAGE TANKS:**

Water storage tanks shall be of HDPE vertical type and of capacity as specified in Schedule 'A' / BOQ. Water tank shall be rotational moulded polyethylene water storage tank as per IS-12701-1989. The tank shall be installed in position truly leveled. The tank shall be placed on staging as directed by the Engineer-in-charge. Water storage tanks shall be fixed as per clause 18.60 of MES Schedule (Part-I) and as directed by the Engineer-in-Charge.

22. **BIB TAPS/ STOP VALVES/ PILLAR TAPS/ ANGLE COCKS (CAST COPPER ALLOY/ CP BRASS)**

- 22.1 These shall be as described in Schedule 'A' & shall be ISI marked and of any of the make as specified here-in-after.

23. **SANITARY AND TOILET FITTINGS:**

- 23.1 If not otherwise mentioned in Schedule 'A', all sanitary appliances and fittings shall be vitreous china white first quality.

23. **LOW LEVEL FLUSHING CISTERN:**

- 23.1 These shall be 10 liters discharge capacity, low level with syphonic fittings ISI marked as 7231 moulded from virgin poly propylene.

24. **PLASTIC WATER CLOSET SEAT AND COVER:**

- 24.1 These shall be ISI marked as per IS-2548, flat bottom made out of moulded Poly propylene, white in colour.

25. **PVC (SWR) PIPES:**

- 25.1 PVC (SWR) pipes and fittings shall be type 'A' bearing IS-13592 (1992) suitable for rain water/sewage disposal application fixed on walls/laid on floors.

26. **STAINLESS STEEL SINK AND DRAINAGE BOARD**

- 26.1 It shall be manufactured from Salem Stainless Steel Sheets grade A1 S1 305. Thickness of Sheet shall be 1mm. Size of sink shall be as indicated. The surface of the sink shall be plastic coated to make it safe and scratch free installation.

27. **Mirror**

- 27.1 Mirror shall be made of selected quality sheet glass not less than 5.5 mm thick with edges rounded or beveled as indicated. It shall be free from all flaws, specks or bubbles. The glass shall be uniformly silver plated on the back, free from silvering defects. The silvering shall have a uniform protective coating of red lead paint.
- 27.2 Mirror shall be mounted on 4mm thick asbestos cement building board or 4mm thick, 3 ply, plywood with commercial face veneers and shall be fixed in position by means of 4 No Chromium plated brass screws and cup washers and wooden plugs embedded in walls. Alternatively CP brass clamps with CP brass screws may be used for fixing.

Unless otherwise directed, the longer side shall be fixed horizontally.

28. **GYPSUM BOARD CEILING:** Gypsum board ceiling shall all as described in Schedule 'A' BOQ consisting of 12mm thick Gypsum plaster board with MS galvanised powder coated ceiling frame grid. Complete ceiling including Gypsum board and steel grid shall be of make specified in list of makes and as approved by GE and shall be fixed all as per manufacturer's instructions. Gypsum plaster board shall conform to IS 2095-1996. The board shall be square edge board.

29. **SEWAGE PIPE SGSW PIPES AND FITTINGS:**

- (a) SGSW (Salt glazed stone Ware) pipes including fittings and accessories shall be Grade 'A' and shall conform to the specifications laid down in clause 18.28 of MES Schedule (Part-I).
- (b) SGSW pipes shall be laid and jointed as specified in clause 18.69 and 18.70 of MES Schedule (Part-I).
- (c) PCC in bedding and hunching shall be of the type and mix given in relevant item of Schedule 'A'.
- (d) In Schedule 'A' items for concrete bedding and hunching/forming cradles has been catered as required at site. However reference shall be made to IS 4127 (Clause 4.1, 4.2 and 4.3) and if the site conditions regarding sub soil water level and other related factors so require, adjustment for providing bedding only or completely encasing the pipe shall be made through a deviation order.
- (e) Filling of spoil in trenches and ramming shall be carried out in layers not exceeding 25cm thick and surfaces left slightly proud of the adjacent ground. Surplus spoil shall be disposed off to a distance not exceeding 50 meter.

30. **CAST IRON SOIL, WASTE AND VENTILATING PIPES:**

- 30.1 CI pipe shall conform to IS-1729-1979 or latest revised IS. Pipes and fittings shall be sound and free from defects other than any unavoidable surface imperfections which are inevitable as a consequence of manufacturing process and are in no way harmful to their use. Pipe and fittings shall be such that they may be cut, drilled or machined. Each pipe shall be tested for soundness by striking with a light hand hammer and shall emit a clear ringing sound.
- 30.2 All pipes and fittings shall be coated externally and internally with a composition having tar or other similar base. The coating materials shall have good adherence and shall not scale off. In case pipes and fittings are imperfectly coated or where the coating has not set, the coating shall be removed and the pipes and fittings re-coated.

31. **CREDIT FOR DISMANTLED/ DEMOLISHED MATERIALS**

- 31.1 The work ordered to be demolished/ dismantled shall be done with due care to avoid any damage to adjoining surfaces. Any damage caused due to negligence of workman shall be made good by the contractor at his own coat.
- 31.2 All the materials as shown in schedule of credit shall become the contractor's property for which contractor shall pay to the Army College of Nursing the credit at rates shown therein .The quantities given in schedule of credit are provisional .and credit for the materials shall be charged for actual measured quantities. The materials obtained from demolition/ dismantling but not listed in schedule of credit shall however be the property of Army College of Nursing and contractor shall deposit the same in Army College of Nursing store yard.
- 31.3 Measurements of all works except hidden work shall be taken before commencement of demolition/ dismantling i.e. at the time of preparation of inventories. Materials obtained from demolition/ dismantling shall be stacked as per direction of the Engineer-in-Charge for inspection before disposal as given below:-
- (i) Materials to be taken by the contractor against CREDIT.
  - (ii) Material to be deposited in the MES store Yard.
  - (iii) Materials to be disposed off otherwise to be thrown away. The decision of the Registrar Army College of Nursing in this regard shall be final and binding.

- 31.4 The demolition statement in respect of all demolished/ dismantled items shall be prepared irrespective of their disposal. The materials to be taken away by the contractor against credit as listed in schedule of credit shall be booked in measurement book (IAFW-2261). The contractor shall be allowed to remove the materials from site of work only after credit is recovered from running payment and after written permission of the Registrar Army College of Nursing. The permission letters issued by the Registrar Army College of Nursing from time to time will describe the items, quantity, credit rate and the total amount to be recovered from the contractor.
- 31.5 During demolition/ dismantling every precaution should be taken by the contractor to prevent damage to any of the structure and also the adjacent structure are to be left intact any damage caused to the structures shall be made good by him and at his own expense.
- 31.6 The contractor shall be responsible for the safe custody of serviceable materials until handed over to the MES representative/ incorporated in the work.

32. **WATER**

Water used for mixing ingredient materials of mortar and concrete and for curing work shall conform IS: 456-2000 and meet the requirement as given in clause 4.9 of SSR part I. The water shall be got tested in Govt approved laboratory and test certification shall be submitted to **Registrar Army College of Nursing Jalandhar Cantt.** The water shall be used in the work only after receipt of satisfactory test results as per IS.

33. **CURING**

The concrete shall be protected from premature drying for at least 8 days after pouring and shall be cured as directed by the Registrar for a period of not less than 14 days.

34. **PLASTERING AND POINTING**

- (a) Prepare surfaces to be plastered and pointed and wet the surface thoroughly.
- (b) Curing of plaster work shall be properly done. The contractor may use a spray pump or similar device without any price adjustment taking precautions against damage to plaster due to impact of splashing water.
- (c) The contractor shall take every precaution right from the commencement of plaster work to prevent any craziness that may appear on the surface of plaster and shall be responsible to make good any portion of plaster work which in the opinion of the Registrar requires removal and redoing.
- (d) Unless otherwise specified in Sch "A", external plastered surfaces shall be finished to fair and even surfaces and internal plastered surfaces shall be finished to even and smooth surface without using extra cement.
- (e) Plastering at the junction of walls and floors and to all internal and external angles shall be rounded off to an imperceptible radius as directed by Registrar. Plastering shall be returned in openings in walls.
- (f) A horizontal groove of size 15mm wide and 6mm deep shall be provided in the internal plaster at junction of the wall & ceiling column and beam.
- (g) Thickness of cement plaster mentioned in relevant item. Plaster shall be provided as specified in relevant clauses of SSR Part-I and as mentioned in relevant items of Sch "A" Part-I.

35. **WHITE WASHING & COLOUR WASHING**

It shall be carried out as laid down in clause & sub clauses 15.12 of SSR Part I. For white washing on ceiling adequate quantity of zinc oxide shall be added to lime wash for achieving egg white shade. Lime required for the work shall be fat lime (class "C") best locally available variety, white in colour conforming to IS-712 –1984 and as approved by Registrar.

36. **CEMENT BASE PAINT**

Cement base painting shall be carried out as laid down in clause and sub clauses of

15.15 of SSR Part I. Cement base paint shall be IS-5410 marked and shall be procured in drums/ bags as required. The cement base paint shall be procured either of the manufacturers listed here-in-after.

37. **ACRYLIC EMULSION.**

Acrylic Emulsion of required colour and shade shall be obtained ready mixed conforming to IS 428-2000. The material shall be in the form of a homogeneous paste free from odour of putrefaction as such and when mixed with water and shall be carried out all as specified in clause.

38. **SYNTHETIC ENAMEL PAINT**

38.1 All paints unless otherwise specified shall be of 1st quality not inferior to that required by the relevant Indian Standard specifications and as mentioned in clause 17.2 to 17.2.5 of page 17-2 of MES Schedule 2009 (Part I). Synthetic enamel paint shall be ready mixed of tint as approved by the Registrar. Paint as approved by the Registrar Army College of Nursing Jalandhar Cantt, shall be brought in manufacturers original packing of tins/containers duly seal intact. Synthetic enamel paint shall be ready mixed of tint as approved by the Registrar and shall be of any of brands as listed in appendix 'A'.

38.2 **Workmanship:** - Synthetic Enamel Paint shall be applied all as described in schedule 'A' and as specified in clause 17.8 and its sub clauses on SI page No 17-6 and 17-7 of MES Schedule Part I - 2009 for steel and iron work and clause 17.6 and its sub clauses on SI page No 17-3 and 17-4 of MES Schedule Part I - 2009 for wood work.

39. **DEMOLITION/DISMANTLING**

Demolition/dismantling work shall be carried out carefully as per the direction of Registrar. All material obtained from demolition/dismantling shall become the property of the Army College of Nursing except for which credit catered under Sch of credit and shall be removed from the site or deposited at the Army College of Nursing store yard by the contractor as directed by the Registrar. The contractor shall make good the disturbed surface to match with the existing surface. The holes of gutties, small cracks etc shall firstly repaired with cement mortar and then applying the existing treatment like white wash/colour wash/distemper etc to match the existing surface finishes all as directed and to the entire satisfaction of the Registrar and this shall be included in the rates quoted by the contractors.

40. **DISPOSAL OF WASTE**

All the waste shall be removed to a distance place as specified or as directed and the manner as directed by the Registrar. The entire surrounding area shall be made neat and tidy with hygienic point of view. The sewage / sludge / waste shall be shifted and transported in sealed containers by approved means of transportation to avoid health hazard. At the place of disposal, the sludge / waste shall be covered with earth and treated suitably as per sanitation norms all as directed by the Registrar.

41. **MOU with Manufacturer's of Paint:** Irrespective of whatever specified elsewhere in tender documents, the work against item No. 1 to 4 of BOQ only shall be got executed through authorized applicator of manufacturer's **Asian Paint Ltd/ Jenson & Nicholson India Ltd/ Kansai Nerolac Paints Ltd/ Berger Paints India Ltd/ICI Paints Ltd or any other reputed manufacturer only**. Tenderers are deemed to have entered into a triparty agreement between tenderer, said manufacturer's of Paints and their authorised Applicator before quoting their bids and a valid MOU on Non Judicial Stamp paper of Rs. 100/- (format of MOU enclosed for reference as Annexure 'A') towards same is to be uploaded along with other Technical bid documents and financial bids of only those tenderers shall be admitted whosoever MOUs are found to be satisfying contract conditions. MOU shall also cover the aspect towards Guarantee and defect rectification during guarantee period. Authorised Applicator of above mentioned Paint Manufacturers shall have valid authorization letter from the manufacturers issued not earlier than 30 days from the Bid Submission start date of this tender.

42. **GUARANTEE OF PERIODICAL SERVICES:** Periodical services executed against item

No. 1 to 4 of BOQ only under this contract are under the guarantee of contractor for 07 **(Seven)** years after the certified physical completion of work. Contractor is fully liable under this guarantee to rectify and redo all defective work intimated to him during this period including all type of materials and labour to the specifications catered for in the contract. In case contractor fails to rectify the defective work, Accepting officer shall get the rectification done as necessary at the risk and cost of contractor and recover the cost in full from the contractor. If the contractor consider that any additional treatment is required over and above that specified here in before in Schedule 'A', the same shall be carried out by the contractor without any extra cost to the Government. Condition 46 of IAFW-2249 (for defects liability period) for the Guarantee period shall be deemed amended accordingly.

**43. GUARANTEE PERIOD FOR ROOF TREATMENT/ WATER PROOFING TREATMENT**

- (i) The contractors shall be responsible for keeping the buildings leak proof/ water proof for a period of Ten years from the certified date of completion of work.
- (ii) The contractor shall furnish guarantee in favour of the Registrar for the effectiveness of the water-proofing treatment during the guarantee period. If the work is executed through a Sub Contract, the guarantee furnished by the Sub Contractor should be in favour of the Registrar Army College of Nursing and not in favour of the main Contractor.
- (iii) An appropriate sum, equal to the amount of security deposit calculated as per scales laid down for individual securities deposit on the amount of water proofing treatment at the contract rates under the contract, shall be retained out of the final bill amount as Security Deposit for the water-proofing work, and it shall be released to the Contractor only after the expiry of the guarantee period. The facility of furnishing fixed deposit receipt/ BGB in lieu of the sum to be retained as security may be accepted.
- (iv) Should the Registrar Army College of Nursing at any time during the construction or prior to expiry of the said guarantee period of Ten years find that the building(s) are leaking, the contractor, on demand in writing from the Registrar Army College of Nursing will forthwith undertake to carryout such treatment which may be necessary to tender the water proofing/ leak proofing of the building(s) at his own cost/ expense till expiry of the guarantee period.
- (v) In the event of contractor's failure to comply with the Registrar Army College of Nursing directions within the stipulated period. The work shall be carried out at the risk & cost of the contractor.
- (vi) **Contractor shall carryout, following tests as and when desired by accepting officer/ Engineer-in-charge i.e Ponding test, water retention test as per desired stds of Accepting officer/ Engineer-in-Charge**

44. **SECURITY DEPOSIT FOR MINOR RECTIFICATIONS:-** Contractor shall furnish security deposit for periodical services carried out @ 2.5% of amount of periodical services against item No. 1 to 4 of BOQ only executed under MOU at contract rates for the guarantee period of seven years in favour of Registrar Army College of Nursing Jalandhar Cantt,. In case the contractor fails to submit the FDR on completion of work, the said amount will be retained from the final bill. The Guarantee money shall be released by the Registrar after expiry of the guarantee period of seven years after obtaining clearance from the Registrar by submitting a certificate duly signed by him that no defect has been noticed. This security deposit amount is only for covering the minor repairs/ rectifications required to be executed urgently. This deposit shall not in any way limit the liability of contractor under the guarantee as per clause here above, under which contractor is fully liable for complete rectification / replacement of entire defective work/ material.

45. **ELECTRICAL WORK :-** The work shall be carried out in strict compliance with the provisions contained the latest edition of the Indian Electricity Rules IEE Regulations and **IS-732 (Code of practice for electrical wiring and installations in buildings)** as applicable to these works except where such regulations and rules are modified by the specifications. It shall be of high standard and approved constructions used in modern electrical work and shall be suitable in every respect for the type of voltage specified and shall be to the satisfaction of the Engineer-in- Charge. All electrical works shall be executed properly by skilled licensed electricians under the supervision of suitably qualified electrical supervisor. The contractor on demand by Engineer-in-Charge shall produce such evidence of qualifications of his workmen,

supervisors either at the commencement of thereafter during contract period.

- (a) **POINT WIRING** :- Point wiring shall be all as described in Schedule 'A' and at locations directed by the Engineer-in-Charge. Workmanship shall be as specified in MES Schedule Part I.
- (b). **SCREWS, NAILS** :- All screws used in the work shall be brass nettle fold or sun brand. Cover of MS boxes be fixed with brass screws
- (c). All MS boxes for mounting switches, sockets, regulators etc shall be fixed flush with the finished surface of the wall. All switches and socket outlets are to be mounted on laminated sheet of white colour complying with IS-2046-1989 and fitted to the sunken switch box. The rates for point wiring shall include the cost of MS box and laminated sheet cover.
- (d). All cables (except flexible cable) to be used in the works shall conform to IS-694-1977 All cables used in the work shall have ISI marking. The cable shall be from any one of the makes mentioned hereinafter.
- (e). **CASING CAPING** :- All casing & capping shall be rigid non metallic PVC medium grade and shall conform to relevant and accessories conform to relevant.. Casing & capping shall be any one of the makes mentioned hereinafter
- (f). **SWITCH IDENTIFICATION** :- Switch SP and TP should be indicated clearly the load such as light and power each switch is intended to control. Suitable metallic / plastic engraved labels shall be fixed on all incoming and out going switches.
- (g). **SWITCHES**:- Modular switches shall be provided all as per Clause 19.114.1 of MES Schedule Part I of 2009 and as directed by Engineer-in-Charge
- (h). **CEILING ROSE**:- shall be surface type and shall comply with IS-371-1979, specification for ceiling rose having 3 terminal plates and outside diameter not less than 65 mm. Ceiling rose shall be provided with means for gripping flexible cord which shall not damage the insulation and/or sheath of the cord as shall be such that the load on the cord is not transmitted to the terminals
- (j) **SWITCH SOCKET OUTLET** :- Switch socket outlet of 5 /15 Amps shall be provided as per clause 19.114.5 & 19.114.1 of MES schedule Part I of 2009 and as directed by Engineer –in – Charge
- (k) **THE MAXIMUM CONTINUITY RESISTANCE** :-The maximum continuity resistance from any point in the installation including the earth continuity conductor and earth pipe shall not exceed one ohm
- (l). **LIGHT FITTINGS** :- The repair work shall be carried out as required at site and as directed by the Engineer-In- Charge. Provide light fittings with its fittings and fixtures and lamp all as specified in BOQ and as per the Cat No. Specified. In case of difference in description in item of BOQ and cat No. the work shall be executed as per CAT No.The light fitting shall be any one of the make as specified in schedule "A", duly approved by the GE. Light fittings shall be provided all as per Clause 19.35 of MES Schedule Part I of 2009 and as directed by the Engineer In Charge.

SIGNATURE OF CONTRACTOR

ACCEPTING OFFICER

DATED\_\_\_\_

Draft tender

**APPENDIX “A”**

**CEMENT SUPPLY AND ACCEPTANCE REGISTER**

01. CA No. & Name of work :
02. Control No.\* :
03. Name of Manufacturer/Brand Name/Grade of Cement :-
- (a) Manufacturer :
- (b) Brand :
- (c) Grade :
04. Qty of cement & Lot No./Week No. (in Bags) :-
- (a) Quantity :
- (b) Lot No./Week No. :
05. Manufacturer's test Certificates No. :
06. Random Test Details :-
- (a) Physical test report from \_\_\_\_\_vide their letter No. \_\_\_\_\_(Name of approved Lab/Engineering College)
- (b) Chemical test report from \_\_\_\_\_vide their letter No. \_\_\_\_\_(Name of approved Lab/Engineering College)
07. **Details of Physical & Chemical properties :-**

	<b><u>Physical Requirements (as per IS-4031)</u></b>									<b><u>Chemical Requirements (As per IS-4032)</u></b>								
	Specific Surface Area (Sqm/kg)	Soundness by Le Chatelier	Soundness by Auto Clave	Initial Setting Time (Minutes)	Final Setting Time (Minutes)	Compressive Strengths (Mpa)			Temp during testing 0C	Standard Consistency (%)	Lime Saturation Factor (Ratio)	Alumina Iron Ratio (Ratio)	Insoluble Residue (%)	Magnesium (%)	Sulphuric Anhydride (%)	Loss on Ignition (%)	Alkalies (%)	Chlorides (%)
						03 Days	07 Days	28 Days										
As per relevant IS																		
As per manufacturer's test certificate																		
As per random test certificate																		

Remarks with  
Signature

**Contractor**

Accepted/Rejected

**Registrar      Army**  
**College of Nursing**  
**Jalandhar Cantt,**

Remarks of BOO

\* To be allotted serially by Registrar consignment wise

Remarks of BOO/

\*To be allotted serially by Registrar consignment wise.



**LIST OF MAKES/BRANDS/MANUFACTURERS**

**APPENDIX 'C'**

**NOTES:-**

(a) The list of makes/brands/manufacturers (except for S.No.1, 2 & 2A, 3 to 8 which are applicable for all works) have been grouped into two categories as under:-

**Category-I** – To be used in Maint /special repairs of bldgs and new works of offrs accn, heritage Bldgs, gymnasium, MES IB and offrs messes etc (In case no make is specified under Category-I, contractor shall provide the make specified in Category-II without any price adjustment.)

**Category-II** – To be used in Maint /special repairs of bldgs and new works of JCOs/OR accn and messes etc (In case no make is specified under Category-II, contractor shall provide the make specified in Category-I without any financial implications). Contractor at his discretion may also provide the make of Category – I without any price adjustment.

(b) In case less than three makes or no make is specified in Category-I and II the contractor shall provide any ISI marked material as approved by Registrar

**LIST OF MAKES/BRANDS/MANUFACTURERS**

APPROVED CEMENT MANUFACTURERS	Sl. No	Company Name	Brand name	Address	Grade
	1	2	3	4	5
	1	Ultra Tech Cement Ltd	<b>ULTRA TECH</b>	'B' Wing, 2 <sup>nd</sup> Floor, Mahakali Caves Road, Andheri (East) Mumbai 400093, Ph : 022-66917800	All
	2	Dalmia Cement (Bharat) Ltd	<b>DALMIA INFRA PRO</b>	Dalmiapuram Dist-Tiruchirappalli, Tamil Nadu – 621651	All
	3	Chettinad Cement Corporation Ltd	<b>CHETTINAD</b>	4 <sup>th</sup> Floor, Rani Seethal Hall Building, 603, Anna Salai Hall, Chennai – 600006 Tel No.044-42951800 Fax No.044-28291558:	All
	4	My Home Industries Ltd	<b>MAHA CEMENT</b>	9 <sup>th</sup> Floor, Block-3, My Home Hub, Madhapur, Hyderabad – 500081 Ph : 040-66929696	OPC 43 PPC & PSC
	5	M/s Parasakti Cements Ltd	<b>PARASAKTI</b>	123/3RT, Plot # 8-3-214/21, Srinivasa Nagar Colony (West) Hyderabad – 500038	OPC 43 & PPC
	6	Shree Guru Kripa Cement(P) Ltd	<b>SARTAJ</b>	4/4 Trikuta Nagar Jammu Ph : 0191-2472043	OPC 43 & PPC

	7	The Ramco Cements Ltd (Formerly Madras Cement)	<b>RAMCO</b>	Auras Corporate Centre, 98-A, Dr. Radhakrishnan Salai Mylapore, Chennai – 600004, Ph : 044-28478666	All
	8	Saurashtra Cement	<b>SAURASHTRA</b>	Gala No.A-1, Ground Floor, Udhyog Sadan No.3 MIDC, Central Road, Andheri (East), Mumbai – 400093, Ph : 022-32955557/67 Mob : 9320290081	All
	9	Nuvoco Vistas Corporation Ltd (Formerly Lafarge Cement)	<b>NUVOCO</b>	Equinox Business Park Tower-3, East Wing, 4th Floor LBS Marg, Kurla (West), Kurla Mumbai, Maharashtra-400070	All
	10	The Associated Cement Companies Ltd	<b>ACC</b>	414-421, Splendor Forum (4 <sup>th</sup> Floor), 3, District Centre, Jasloa, New Delhi- 110044. Ph - 011 46583600	All
	11	The India Cement		Dhun Building, 827, Anna Salai, Chennai-600002	All
	12	Mangalam Cement Ltd	<b>MANGALAM</b>	PO Adiyannagar, Morak, Dist-Kota, Rajasthan – 326520 Ph No.9351468076	All
	13	Birla Corporation Ltd	<b>BIRLA</b>	Birla Building (3 <sup>rd</sup> & 4 <sup>th</sup> floor) 9/1, RN Mukherjee Road, Kolkata- 700001, Ph No. 033 30573700	All
	14	Orient Cement	<b>ORIENT</b>	5-9-22/57/D, 2nd & 3rd floor, GP Birla Centre, Adarsh Nagar, Hyderabad- 500063 Ph No.-044 23688600	All
	15	Shree Cement	<b>SHREE</b>	Bangur Nagar, Beawar, Dist-Ajmr, Rajasthan-305901, Ph No. 01462228101-06	All
	16	JK Cement	<b>JK</b>	Kamla Tower Kanpur-208001	All
	17	JK Lakshmi Cement Ltd	<b>JK LAKSHMI</b>	Jaykaypuram, Dist-Sirohi, Rajasthan Ph No.02971 244409/10	All

	18	Jaypee Rewa Cement	<b>JAYPEE</b>	Jaypee Nagar Jaypee Nagar, Rewa-486450 M.P.	All
	19	Ambuja Cement Ltd	<b>AMBUJA</b>	Kodinar, PO- Ambujanagar, Taluka- Kodinar, Dist- Junagarh, Gujrat- 362715, P No.02795 237000	All
	20	Sanghi Industries Ltd	<b>SHANGHI</b>	10 th floor, Kataria Arcade, Off SG highway, PO- Makarba. Dist Ahmedabad – 380051 Ph No 09825803690, 079-26838000	OPC 43,53 PPC & PSC
	21	Century Cements	<b>CENTURY</b>	Industry House, 159 Church Gate Reclamation, Mumbai – 400020.	All
	22	JSW Cement Ltd	<b>JSW PSC, JSW OPC53, JSW OPC 43</b>	JSW Centre, Opp MIMRDA Ground, Bandra Kurla Complex, Bandra (East), Mumbai-400051. Tele-02242865047, Fax-02226502001, www.jswcement.in	OPC 43, OPC 53 & PSC
	23	Sagar Cements Ltd	<b>SAGAR</b>	Plot No.111, Road No.10, Jubilee Hills, Hyderabad – 500 033 Tele-04023351571,040233567 2	OPC 43, OPC 53, PPC & PSC
	24	Wonder Cements Ltd	<b>WONDER CEMENT</b>	17, Old Fatehpura, Sewa Mandir Road, Udaipur (Raj) – 313 004 Tele-029433991133	OPC 43, OPC 53 & PPC

8.	Factory Made Panelled door Shutters	M/s MP Wood Product Indor, M/s Jainwood Industries (Jayana Board) Delhi, M/s Jain Doors Pvt Ltd, Sonipat	Chandigarh Timber Products, Patiala, M.s New Jagdamba Doors, M/s AB Composites Pvt Ltd, M/s Haryana Industries, M/s Supreme Doors and Allied Products, Kanpur, M/s NND Wood Industries, Sriganganagar, M/s Shakti Industries, Dhanaula, M/s Sarab Enterprises, Kangra, M/s Ecocell Doors, Udaipur, M/s Massonite Doors, Pathankot, Poineer Timber Products, Chandigarh, Goyal Industrial Corporation, New Delhi, Shri Krishna Industries, Panchkula, M/s Laxmi Doors, M/s Joinery Manufacturing Co Kolkata.	M/s Rajendra, M/s Neha Industries, M/s Goel Brothers, Raipur, M/s Surbhi Metal India Ltd, Jodhpur
9.	Factory Made Flush Door Shutters	M/s Green Ply Industries, M/s Century Ply, M/s Dura Ply, Mysore Chip Board, Archid, Seastik Ply Wood, M/s Jain Wood Industries	Sitapur Plywood Manufacturers Sitapur, M/s Laxmi Doors, Lucknow, Merino, Flush Door, Faridabad, MP Wood, Goyal Industries Faridabad	M/s Harkirat Industries,
10.	UPVC Windows/ Doors	Fenesta, Veka Industries Pvt Ltd, Mumbai, Kundi Industrial Estate, Sonipat, H2O Solutions	Accura Polytech, Poly window, Pune, H2O Solution (Windows & Doors)	
11.	Iron Mongery	Mowjee, M/s Kitch Architectural Products Pvt Ltd, RS Industries		
12.	Standard Mortice Lock	Godrej, Harrison, Link		
13.	Hydraulic Door Closer	Everest, Universal, Godrej	Amar, Sandhu, Priya	
14.	Anodised Aluminium Doors/ Windows/ Frames/ Partitions	Fenesta, Jindal, Indal, Hindalco	Aluminium System Corp, Mumbai, Nair Arkinetal Enterprises, New Delhi, Aluminium Manufacturing Co. Kolkata, Santosh & Co, New Delhi, Dada Aluminium Fabricators, Jalndhar, M/s Alumilite Pvt Ltd, Deiraj, M/s Ajay Industries, Bombay, M/s Ramniklal S Raste, Jabalpur, M/s Aluminium Tech Industries, Delhi, M/s VR Associates, Delhi, Mahavir, Ambala, Consolidated Engineer Com, New Delhi, Aluminium Pvt Ltd, Ajit India Pvt, Ltd.	
15.	Aluminium Wooden Doors and Windows Fittings	Argent Industries, Mowjee, Crown	M/s Elite Enterprises, Mumbai, M/s Classic, New Delhi, M/s Aluminium Udyog, M/s Mohan Metal Industries, Delhi, Ganpati	Ganpati
16.	Aluminium Section	Hindalco, Jindal, Indal	Valco Industries Ltd Chandigarh, Banco Aluminium Ltd, vadodra Gujrat.	
17.	Aluminium Sheets	NALCO Pvt Ltd, CRIL, Jindal, BALCO	Jagdish Aluminium Pvt Ltd Ahmedabad, Gujarat, Alco Industries Pvt Ltd, New Delhi	
18.	Aluminium Composite Panels	ALCO Bond, Aluminium Clad, Alstron, Armstrong	Alstone	

19.	Particle Board (Veneered & Unveneered Laminated)	Kitply, Nova Pan Industries, New Delhi, M/s Green Ply Industries Ltd, Archid Ply, Bhutan Board, Dura Board, Mysore Chip Board Ltd	Bakelite Hylam Ltd	Asis Particle Baord, Shirdi Industries, Arolite Ceiling System Pvt Ltd, M/s Associate Décor Ltd
20.	Plywood for General Purposes	Dura Ply, Archid Ply, Bhutan Board, Archid Board, Century, Durian, Mysore Chip Board Ltd	Swastik Ply, Jaipur, National Plywood Industries Pvt Ltd, Kolkatta, mErino Plywood, Mayur Ply, Jayna Plywood, M/s Janardhan Ply Board Industries	Sh Ram Pannels Pvt Ltd Punjab, Rams Wood & General Industries Ltd, BLJ Plyam Marketing Pvt Ltd, MP & Co
21.	Decorative Laminates	Archid Lam, Sunmica, Merino Lam, Mysore Chip Board, Greelam	Sungloss, Formica, Ecolam, Bakelite Hylam	
22.	Fibre Board (Medium Density)	Novapan, Bhutan Board, Kit Ply, Mysore Chip Board Ltd, Green Panel Max (plain exterior Grade MDF/ prelam/ veneered MDF/ Green Floormax Laminated)	Mangalam Timber Products, Kolkatta, Ramco Industries Ltd, DECO, Green Panel Max plain Exterior MDF.	
23.	Pre Fab Panel Boards/ Wall Lining Ceiling Tiles	Lafarge, Boral Gypsum Board Pvt Ltd, Shri Nepal Board Ltd, Aerolite Ceiling System Pvt Ltd, Hilux, Armstrong, V Board	Ramco Industries Pvt Ltd, Endura Modular Systems, Reliance Bldg System, BPB India Gypsum Ltd.	M/s PR Ceiling Product, Dexume Marketing Pvt Ltd, M/s Bharat Steel Rool, BahadurGar h, V Board
24.	Galvanised Steel Sheets & Colours Coated Galvanised Steel Sheets	SAIL, TATA, Jindal, Bhushan	Aone Industries, Bhshan, CRIL, Prestar, Bhushan	Bhushan

25.	Polycarbonate Sheets	Duratuff, Lexan, VMT Plaste Ltd, M/s Cowell Domes Engg Pvt Ltd		
26.	Galvalume Sheets	Indian Ispat, TATA Blue Scope, JSW, Bhushan Galvacolor	Multicolor, Aone Industries, Metco Global, CRIL, Kirby, Prestar, Bhushan Galvacolor	Bhushan Galvacolor
27.	AC Sheets/ AC Boards (Corrugated, Semi Corrugated)	Charminar, Ramco, Everest	Swastik, Bombay, M/s Eternit Everest Ltd, UP Asbestos Ltd	
28.	Gypsum Board	India Gypsum		

.		Lafargem Son Industries, Kanpur		
29.	PVC Tiles/ Sheet	Primer Polyfilm Ltd, Wonder Floor, Armstrong	Rikvin Floot Ltd, New Delhi, Fixopen Machinerics, New Delhi, Krishna Tiles, Polyfin	
30.	Glass Mosaic Tiles	Johnson, Italia, Coral Mosaic, NITCO	Paladio, Accura, Bisazza, Mridul, Unistone, Arihant	
31.	Terrazzo Tiles/ PPC tiles/ PPC Chequered Tiles	NTC, NITCO, Eurocon, Duracrete	Ultra Tiles Pvt Ltd, Bharat Tiles, Mehtab Tiles, Regent Tiles, Hindustan Tiles, SS Tiles	Oasis Vitrified Pvt Ltd
32.	Interlocking Tiles/ Exterior Tiles/ Paver Blocks	Unistone, NTC, NITCO, Ultra, Johnson, Surya K	Terra Firma, A-One Tiles, Coral, Mehtab Tiles, Pavit, SS Tiles, Hindustan Tiles, Surya K, Singh Traders	Shri Tiles, Surya K, Singh Traders
33.	Decorative Textures/ Coatings	Unitile, Bakelite Hylam (Heritage), NCL Altek Seccolor, Dulux (Acratex), Apex (Duracast), British (Xtracem 76)	Luxture Surface Coatings, Sprectrum Paint	
34.	Exposed Brick Façade	Unistone, Poiner Bricks, Regent Tiles		
35.	Glazed Earthen Ware Tiles	H&R Johnson, Kajaria, Somani	Orient Ceramic, Asian, Vermora, Orient Bell	
36.	Glazed Ceramic/ Non Skid Wall/ Floor Tiles	Kajaria, H&R Johnson, Cera, unistone, Somani, NITCO, Eurotiles, Spartek, Cengres, Simpolo, Sunheart, Varmora	National Tiles, Ultra Tiles, Orient Ceramic, Aisian, Swastik, Varmora, Orient Bell, Bonzer-7 (Trial), Cengres, Simpolo, Sunheart, Varmora	Victory Ceratec, Sogo Ceramics, Oricle Granites, Royal Tiles, GEM Tiles, Regency, Romano, Ferrouscrete, Madhusudan Ceramics, Pavit Ceramic, Oasis Vitrified, Cengres, Simpolo, Sunheart, Varmora
37.	HDPE Storage Water Tanks	Sintex, Polycon, Sheetal	Rotex, Fusion, SPL, Diplast Plastics, Aqua Polymers	Uniplus
38.	Vitrified Tiles ( Normal / Anti Skid)	Somany, Kajaria, Johnson, Orient Bell, NITCO, Cengres, Simpolo, Sunheart, Varmora	Murdushwar Ceramics Ltd, Orient, Asian, Swastik, Crystal, Bonzer-7 (Trial), Cengres, Simpolo, Sunheart, Varmora	Oasis Vitrified, Oracles Granito, Cengres, Simpolo, Sunheart, Varmora
39.	Sanitary Appliances/ Fittings (Chinaware)	Hindustan Sanitary Ware, Parryware, Cera, Jaguar, Neycer, Simpolo, Somany	Duravit, Madhusudan Ceramics, Simpolo, Somany, Glint	Blue Star Sanitary, Anupam Industries, Sona Ceramic, Prakash

				Industries, SFMC Solution, Simpolo, Somany, Glint
40	Water Closet Seats and Cover (Solid Bakelite) Thermostat Moulded Toilet Seat Cover	Perryware, Jaguar, Somani, Commander, CERA, Neycer	Superme, Prayag, Polytuff, Millennium	Ajanta, Precision Products
41	PVC Flushing Cisterns	Hindustan Sanitary Ware, Commander, Parryware, Cera, Jaguar, Johnson Pedar, Neycer	Khodiyar Pottery Works, Miliennium, Superme, Prayag, Shakti	Precision Products, Shakti
42	CI Flushing Cistern	Hindustan Sanitary Ware, Parryware, Orient Sanitary Ware	Sanifix India, Phenoweld Polymer, Anupam Industires	Areal Bros, Hind Iron Foundry, Jaipur Maze Products
43	Stainless Steel Kitchen Sink with or without Draining Board, Plate Rack	NIRALI, Kobra, Neelkanth, Kayna, Blue Star	Pheonix, Diamond, AMC, Prestige, Allex, Neel, Prayag Polymers, Anupam Industries, Vardhaman Enterprises (Jainko), Elite Metal Products, Franke India Pvt Ltd, Prakash Sainitary Appliance, Shakti Enterprises, Ajanta Millennium	RA Engineering Industries, Plasto Craft, Impex Sanitation, Kodar Industries, Ajanta Millennium, Shakti
44	Ball Valves (Horizontal Plunger Type)	Dripless Faucels India, Flowjet, Ball Valves India	Hind Enterprises, Prakash & Co, Leader Valves Bombay Metal, Taurus Engineering Industries, Prima	
45	Shower Roses Chromium Plated (Shivel Type)	GEM, JAGUAR, JAL	Jainko, Blustar, Prima, JAL, Shakti	JAL, Shakti

46	Bath Room Fancy Fittings	Jaguar, Cera, Hindware, Jainco	Anchor, Spectrum, Pico, Dripless, Kingston, Prima, Jalangi, Shakti, Coronet	Shakti, Jalangi, Coronet <b>(Coronet for One year)</b>
47	Bib Taps and Stop Taps (CP) Fancy Fittings	Jaguar, Cera, Hindware, Jainco	ELITE, Zim, Prima, Essco, Jainko, Prayag, Jalangi, Shakti, Coronet	Shakti, Jalangi, Coronet <b>(Coronet for One year)</b>
48	Ready Made Bathroom Cabinets	Jaguar, Cera, Hindware, Jainco	Gratolite, Alpina, Prayag, Pearl	Pearl
49	Salt Galzed Stone Ware Pipes/ Glazed Stone Ware Pipes	Devraj Industrial, Buran, Perfect Sanitary Pipe, Superme Pipe and Fittings	Shri Kamakshi Agenies, Hind Creamics, Bhardwaj Stone Ware, Binary Udyod, Ceramic Industries	Bhaskar Sons, Triumati Moulds, Kiran Potteries
50	Concrete Hume	Indian Hume Pipe	Jain Spun, DayaSpun, Delhi Spun Pipe,	Hindustan

.	Pipes	Company	Ramnik Enterprises	Pressure Pipes, Bhaskar Sons
51.	AC Pipes	Hyderabad Asbestos, Everest, Ganga Asbestos, Konark Cement and Asbestos	JK Super Pipes, Sarbamangala Manufacturing Co. Maharashtra Asbestos	Poddar Industrial Corporation
52.	PVC Rain Water Pipe/ Sewage Pipes	Supreme, Finolex, Reliance	Kissan, Prince, Diplast Plastics	
53.	GI Pipe/ Fittings	Jindal, TATA, NECO, UNCO Steel Industries, Bharat Steel Tube Delhi, Bhushan, APL Applo	Nidhi Pipe Ltd, Swastik Ltd, Surya Roshni (Prakash), Indus Tubes Ltd, Bhushan, APL Applo	Tirupati, J-Steel, JTL, Bhushan, APL Applo
54.	CI Pipes Fittings (For Sewerage/ Rainwater)	SKF, SRIF, Singhal Iron Foundry, Hindustan Engineering Products, Jindal Saw, NECO (Jayaswal), HEPCO (Binay Udyod)	Ashutosh Casting Ltd, Veetus Industries Ltd, Anand Founders & Engineers, Electrosteel, Kesoram, BIC, NFL	Bharat Industrial Corpn Delhi, New India Foundry, Ludhiana, Mahavir Iron Foundry, NFL
55.	Soil Waste Pipe Fittings/ Steel Manhole Cover	SKF, Singhal Iron Foundry, NECO, SILC	BIC	
56.	PPR Pipes	SFMC, SAFE, WETFLOW	Diplast Plastics, Veekay Technocrat Pvt Ltd, Amitex Polymers, Kitec Industries Ltd	Hindustan Plastics & Machine Corpn
57.	HDPE Pipes/ SNR Pipes (Water/ Sewage)	Gamson India, Dustron, Rex, Polyextrusion Ltd, SRIF, SKF	Kirti Industries India Ltd, Vertex Green Poly Pipes, Uniplus, Diplast Plastics, Rathi	Nandi Polymer, Tirupati Structural, Rathi
58.	Sand Cast Iron Spigot & Socket Soil Waste, Vent Pipes & Fittings	SRIF, RIF (Gola Castings), NECO (Jayaswal), HIF	Raj Iron Foundary, BIC Kilkatta, Kejecao, NFL	KK Pumps, NFL
59.	Cement Based Paints	Snowcem, Asian, Jenson & Nicholson, Berger, Duracem, British Xtracem	Acquolac Paints, Godavari Paints, Rajdoot Paints, Classic Paints, Acropoints, British Xtracem	Gattocem, Rubycem, Cemkote, Snow White Industrial Corpn, British Xtracem
60.	Dry Distemper/ Oil Bound Distemper/ Plastic Emulsion/ Exterior Emulsion/ Silicon Paints & Coating	Goodlass Nerolack Paints, Jenson & Necholson, Berger Paints, ICI Dulux, Asian Paints, British Acri Silk	Shalimar Paints, Godavari Paints, Acro Paints, British 20-20 Acrylic	
61.	Plastic Emulsion Paint	Berger (Silk, Rangoli Easy Clean), Asian (Royale, Apcolite Advance), Akzo Nobel (Velvet Touch), Nerolac (Impression Ecoclean, Impression	Berger (Rangoli Emulsion), Asian (Premium Emulsion), Akzo Nobel (Supersmooth), Nerolac (Lotus Touch, Beauty Gold), Jenson & Nicholson (Eqvt. Make), Shalimar (Eqvt. Make), British (Glamour Premium)	Berger (Bison Emulsion, Asia (Tractor Emulsion), Akzo Noble (Rainbow), Nerolac



		24 Carat), British (Splendor Luxury)		(Beauty Silver, Little Master), Jenson & Nicholson (Eqvt. Make), Shalimar (Eqvt. Make), British Interior Emulsion
62	Paint Exterior	Berger (Weather Coat all Guard), Asian (Apex Ultima), Akzo Noble (Weather Shield Max), Nerolac (Excel total), British (Expa-7 Advanced)	Berger (WeatherCoat Smooth), Asian (Apex Weather Proof), Akzo Noble (Weather Shield), Nerolac (Suraksha Advanced), British (Expa Cool)	Berger (Waimasta), Asian (Ace), Akzo Noble (Promise), Nerolack (Suraksha Plus), British (Shiner Exterior)
63	Synthetic Enamel Paint	Goodlass Nerolac Paints, Jenson & Nicholson, Berger Paints, ICI Dulux, Asian Paints, British (Glo Highgloss)	Aquolac Paints, Shalimar Paints, Acro Paints, British (Yak)	British (20-20 Synthetic)
64	False Ceiling Tiles/ Board (Gypsum Board/ POP/ Mineral Fibre)	Lafarge Boral, Gyproc, Armstrong, Daiken, Lloyds, Luxalong, Dexune, V-Board	Reliance big Sysem, BPB India Ltd, Shree Nepal Boards, Bhutan Boards, Duratuff, Anchor, Dexune, V Board	Dexune Marketing, Endusa Modular System, V Board
65	Drapery Rods	Vista Levalor	Vista Levalor	Vista Levalor
66	Mirror Looking	Saint Gobain, Modi Float, Triveni Float Glass	Saint Gbain, Modi Float, Triveni Float Glass, Crown, Prayag Polymers	Saint Gobain, Modi Float, Triveni Float Glass, Crown, Prayag Polymers

67	False Ceiling/ False Ceiling	Metal	Gypboard, Armstrong, Anchorlam Anchor, Hi Steel, Dexune	Gypboard, Armstrong, Anchor, Bhutan Boad, Duratuff, Aerolite, Hi Steel, Dexune	Gypboard, Armstrong, Anchorlam Anchor, Bhutan Boad, Duratuff, Aerolite, Hi Steel, Dexune
68	PTMT Fitting		PRAYAG, Shakti, Polytuf	PRAYAG, Shakti, Polytuf, Pearl, Millennium Ajanta Polymers	PRAYAG, Shakti, Polytuf, Pearl, Millennium Ajanta Polymers
69	Tiles PCC (Chequered/ Plain/ Terrazzo)		ISI Marked Make as per Zonal Specifications		
70	WC Seat Cover ISI Marked		ISI Marked Make as per Zonal Specifications		

71	Steel Windows	ISI Marked Make as per Zonal Specifications		
72	FRP Door/ Frame Shutter	Selected products	Selected products	Selected products
73	Rolled Frames GI Section Windows (Pre painted/ colour coated)	Ashish Industires	Ashish Industires	Ashish Industires
74	PVC Wall Paneling	HR, Kumar Arch Tech Pvt Ltd	HR, Kumar Arch Tech Pvt Ltd	HR, Kumar Arch Tech Pvt Ltd
75	HDF/ PVC Door Frame Shutter	HR	HR	HR
76	MS Pipes	APL Appolo, Bhushan	APL Appolo, Bhushan	APL Appolo, Bhushan
77	Window Blinds	Wintree	Wintree	Wintree
78	APP Membrane for water proofing treatment	STP Ltd Gurgaon/ IWL India Ltd/ Chokesy Chemicals/ Bengal Bitumen/ Texsa India Limited, Gurgaon/ Torchtar Membranes & Bitumen Products Pvt. Ltd./ TIKI TAR DANOSA (INDIA) PVT LTD)		

**LIST OF MAKES/BRANDS/MANUFACTURERS**

**B/R Items**

Srl No	Description of item	Make/Brand/Manufacturers
1	White cement & Wall care putty	(a) JK White, (b) Birla white (c) Asian Paints Ltd. (d) Shalimar Paints (e) Berger Paints
2	External Weather proof paint	(a) Berger Paints –Weather coat Long life 10 (b) Asian Paints –APEX Ultima (Ultra) (c) Shalimar Paint –XTRA Tough (d) Nerolac Paint-EXCEL Total (e) ICI Paints – Weather Shield Max Equivalent brand of other reputed manufacturer meeting all the criteria as per Sch ‘A’ Notes and BOQ
3	Integral Water Proofing compound	(a) M/s Pidilite Industries Ltd, Taloja (b) M/s FOSROC (c) Fosroc India Ltd
4	Synthetic Enamel Paint	M/s Asian Paints - Apcolite M/s Nerolac Paints – Hi Gloss M/s ICI Dulux Paint- Dulux Gloss M/s Berger- Luxol Hi gloss M/s Jonson & Nicholson Paints -Brolac
5	Cement BasePaint	M/s Super Snowcem (1 <sup>st</sup> quality) M/s Duracem (1 <sup>st</sup> quality) M/s Aquacem (1 <sup>st</sup> quality) M/s Shalimar (1 <sup>st</sup> quality) M/s Berger (1 <sup>st</sup> quality)
6	Distemper oil- emulsion (OBD)	M/s Asian Paints (Tractor) M/s Nerolac (1 <sup>st</sup> quality) M/s Berger Paints (Bison) M/s ICI India (1 <sup>st</sup> quality)

Sr No	Description of Material	Make / Manufacturer
1	2	3

1	MS Conduit	BEC Industries / NIC / Kalinga / CTI / Jindal / Asian / Bhārat / Viraj Industries / AKG / *RMG Steels Pvt Ltd (RMCON)
2	MCB DB, MCB, Industrial plug and socket, MCCB, RCBO	Larsen & Tubro / Standard / Legrand / ABB Siemens / Indo-Asian / Schneider / Havells *HPL Electric & Power Ltd (HPL) / *C&S Electric Ltd (C&S Electric)
3	Switches / Switch socket / Ceiling rose / Bell push / Fan regulator , Bell, Ding Dong type / lamp holder	Anchor / Kay / Crabtree / Cona / Leader /Kinjal / Havells / *C&S Electric Ltd (C&S Electric ) / *HPL Electric & Power Ltd (HPL) / *Goldmedal Electricals Pvt Ltd / *GM Modular Pvt Ltd / Indo - asian
4	Light fittings	Phillips / Crompton / Havells / Bajaj
5	Ballast, ignitor, condenser etc.,	CG / Bajaj/Havells /Philips
6	CFL lamp / FTL tube rod	Bajaj/CG/Havells/Philips
7	Cable	Plaza / Finolex / Havells / Polycab / *Paragon Cable India / *Gloster Cables Ltd (GLOSTER) / *Ramco Industries India (RAMCO) / *HPL Electric and Power Ltd (HPL) / *Grandlay Electricals India / *V-Guard Industries Ltd (V- GUARD) / *Asian Galaxy Pvt Ltd
8	PVC Conduit / PVC casing capping	Anchor / AKG / Modi / Plaza / Presfit / Kalinga / Asian / Precision / Avon / Astral *National Pipe Products (VIP) / *VIP Extrusions( ATUL) / * POLYCAB WIRES PVT LTD (POLYCAB)

Signature of Contractor  
DATED\_\_\_\_\_

Accepting Officer

**ANNEXURE 'A'**

**MEMORANDUM OF UNDERSTANDING**

1. M/S\_\_ (Paint Manufacturer) With Office at \_\_\_\_\_, M/S\_\_ (Applicator) with Office at \_\_\_\_ and M/S \_\_\_\_ (Contractor) with Office at \_\_\_\_\_, do hereby enter into an agreement to execute the work for **“REPAIR OF EXTERIOR PLASTER & GRANULAR FINISH FOR BUILDINGS OF ARMY COLLEGE OF NURSING”** for which Contractor M/S \_\_\_\_ shall enter into agreement with MES for execution of item No. 1 to 4 of BOQ only of above named work at the agreed terms of the said Department. The parties intend that Paint manufacturer M/s \_\_\_\_ shall provide materials and get above named work executed through their recommended applicator M/S \_\_\_\_\_ for the said work secured with **ARMY COLLEGE OF NURSING** by the contractor M/S \_.
2. In consideration of Painting above named work done by Contractor through applicators M/S\_\_\_\_ which has been suggested/ recommended by paint manufacturer M/S\_, the contractor M/S \_\_\_\_\_ will pay to applicator M/S \_ the cost of work done at the agreed terms between the parties mentioned under para-1 and **ARMY COLLEGE OF NURSING** shall not be involved with regard to mode of payment and terms of payment agreed between said parties.
3. Suggested applicator will start the work immediately after acceptance of contractor between **ARMY COLLEGE OF NURSING** and contractor M/S \_\_\_\_ and will complete the work within contract from the date of entering into agreement between **ARMY COLLEGE OF NURSING** and the contractor. The parties agree that if the work is not completed by the end date, Applicator M/S \_\_\_\_\_ shall credit contractor the sum of Rs. 1000/- for each quarter per day from the end date until the work is actually completed. The clause is applicable, if applicator is getting paid in time as per agreed terms between Contractor and applicator.
4. Paint Manufacturer M/S \_\_\_\_\_ shall supply materials to contractor M/S \_\_\_\_\_ for execution of work to be used on above named work based on estimate of the quantity of paint needed. Suggested applicator M/S \_\_\_\_ shall provide all labour and other equipment needed to complete the work and anything else deemed necessary by the contractor M/S \_\_\_\_\_ to do a high quality work.
5. Contractor M/S \_\_\_\_ is bound to deal with the said Paint Manufacturer M/S \_ from which he has opted the **MOU** while tendering No deviation in terms of violation of opted paint manufacturer. If any such conditions comes then the said agreement will lapse on immediate effect and he will be out of the MES tender immediately.
6. **Responsibilities of applicator:**
  - a. The APPLICATOR has to execute the work as per tender requirement.
  - b. Sanding/scraping to be done through True care wall sander and primer and Emulsion to be executed with Airless Graco machine as suggested in the tender.
  - c. Work to be completed within time lines agreed with Contractor.
  - d. Applicator should be responsible for safety & insurance of his painters & Labours. He can't hold Contractor or Paint company or MES for the same.
  - e. Accident compensation – The total responsibility shall be that of the APPLICATOR and all expenses shall be borne by him. The CONTRACTOR and Paint manufacturer shall not be responsible for any compensation whatsoever.
7. **Responsibilities of the MANUFACTURER:**
  - a. The MANUFACTURER shall ensure that seven days Stock of materials shall be made available to the APPLICATOR for each property being painted. This is subject to timely payment of material by the contractor.
  - b. The Manufacturer will supply material directly from his own warehouse through dedicated vehicle. Min Volume of 500 Kg has to be ordered by contractor every time.
  - c. Under no circumstances shall the MANUFACTURER be liable or cause to be made liable to the APPLICATOR or the CONTRACTOR with respect to any

claim arising out of or in connection with this **MOU** under any contract, negligence, tort, strict liability or other legal or equitable theory for any special, indirect, consequential or exemplary damages (including but not limited to loss of revenue, or goodwill, or anticipated profits, or lost business.

d. The manufacturer is responsible for rendering certificate for guarantee for use of required quantity of material as per specification and ensure proper workmanship through its applicator for each lot of bldg finished and payment claimed in RAR. Similarly Final guarantee certificate shall be issued at the time of completion of entire work of periodical services covered under the subject work and also stand guarantee for **SEVEN YEARS** from the date of completion of work to the department through its applicator

**8 Responsibility of contractor:-**

a. The contractor has to produce challan/ Certification from company that the paint material desired for the tender has been supplied directly by Manufacturer or through its authorised dealer (if permitted by manufacturer), the same need to be submitted for the payment from **ARMY COLLEGE OF NURSING**. Contractor can't buy anything from outside.

b. PO to be raised for paint material and payment to be made in advance to authorized dealer as suggested by manufacturer.

c. Applicator to be paid on weekly basis by the contractor for the work completed by him.

d. Contractor & its associates can bid only with one paint company MOU at a time in case he has been found participating with more than one **MOU** then he may be blocked for participating in future **ARMY COLLEGE OF NURSING** tenders.

e. Contractor has to ensure that the Consumption to be adhered for particular item shall be as per manufacturer's norms. However consumption Parameter shall not be less than that specified in BOQ.

(a) Signatures of 1st Party \_  
(Paint Manufacturer)

(b) Signatures of 2nd Party \_  
(Applicator)

(c) Signatures of 3rd Party \_  
(Contractor)