

MILITARY ENGINEER SERVICE**NAME OF WORK: SPL REPAIR/ RENEWAL TO SURVEYED OFF STEEL/ WOODEN/
MISC FURNITURE FOR MD / OTM ACCN UNDER GE SHILLONG****CONTENTS**

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3.	Notice of tender IAFW – 2162 (Revised 1960) including Appendix ‘A’		
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5.	*General Conditions of Contracts IAFW-1815-Z (1969-Print) including Errata and amendments to IAFW-1815-Z		
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*Drawings ____ Sheets

Total _____ Pages

*These documents have not been attached and can be seen on any working day in the office of CWE Shillong or GE Shillong.

Signature of the Contractor
Date _____

DCWE/ACWE (Contracts)
For Accepting Officer

SPEED POST

Headquarters
CWE Shillong
Spread Eagle Falls
Shillong – 793 011

8910/SHL/05/E8

Sep 2025

M/S _____

**NAME OF WORK: SPL REPAIR/ RENEWAL TO SURVEYED OFF STEEL/ WOODEN/ MISC
FURNITURE FOR MD / OTM ACCN UNDER GE SHILLONG**

Dear Sir(s),

1. Tender documents in respect of above work are uploaded on the site www.defproc.gov.in. The tender is two stage two cover e-tendering system. The contents of Cover I & II are specified in NOTICE OF TENDER.
2. Bid will be received online by ACCEPTING OFFICER upto the date and time mentioned in the **NOTICE INVITING TENDER (NIT)**. No tender/bid will be received in physical form and any tender/bid received in such manner will be treated as non bonafide tender/bid.
3. Bid will be opened on due date and time fixed for opening in the presence of tenderers/bidders or their authorized representatives, who have uploaded their bid and who wish to be present at the time of opening the bids.
4. Your attention is also drawn to instruction on filling and submission of tender attached herewith. You may forward your points on tender documents and/or depute your technical representative for discussion on tender/drawings and to clarify doubts, if any, on or before the bid submission start date. You are requested not to write piecemeal points and forward your points duly consolidated before the bid submission start date.
5. Unenlisted contractors are required to submit the scanned copies (in pdf file) of documents required as per eligibility criteria mentioned in instructions for filling the tender documents and Appendix 'A' to **NIT** and tender fee on e-procurement portal and submit the physical documents in the office of HQ CWE SHILLONG within time limit specified in **NIT**. Inadequacy/deficiency of documents shall make the bid liable for rejection resulting in disqualification for opening of finance bid.
6. The lowest contractor would be required to deposit **PERFORMANCE SECURITY** within 28 days of receipt of letter of acceptance as per condition of 14A of IAFW-1815Z. Rate of Performance Security amount shall be 5% as stated Condition 14A.1 of IAFW-1815Z.
7. General Conditions of Contracts (IAFW-1815Z) and errata and amendments thereto, Schedule of minimum fair wages and are not enclosed with these documents. These are available for perusal in the Office of GE concerned and this office.
8. Enlisted contractors of MES shall submit the scanned copies (pdf file) of enlistment letter, tender fee and such other documents as mentioned in Appx 'A' to **NIT** on e-procurement portal and submit physical documents in the office of HQ CWE SHILLONG before date & time fixed for this purpose.
9. The contractors must ensure that the tender/bid on the proper form is uploaded in time as the Accepting Officer will take no cognizance of any quotations/offer received in any other electronic or physical form like email/fax/by hand/through post from tenderer/bidder even if they are received in time.
10. In view of delays due to system failure or other communication related failures, it is suggested that the tender/bid be uploaded, if necessary, sufficiently in advance of the last due date and time fixed.
11. ANY TENDERER, WHICH PROPOSES ALTERATIONS TO ANY OF THE CONDITION, SPECIFICATION LAID DOWN IN THE TENDER DOCUMENTS OR ANY NEW CONDITION, WHATSOEVER, IS LIABLE TO BE REJECTED.
12. The quoted cost of tender shall be deemed to inclusive of all type of taxes such as GST and any other type of prevailing levies etc.

Yours faithfully,

Encls: As above

SIGNATURE OF CONTRACTOR

DCWE/ACWE (CONTRACTS)
FOR ACCEPTING OFFICER

INSTRUCTIONS FOR COMPLETION OF TENDER DOCUMENTS TO BE COMPLIED WITH BY THE TENDERER(S)

1. **PERFORMANCE SECURITY:** The lowest bidder is required to give performance security as per condition 14A of IAFW-1815Z in favour of Accepting Officer in the form specified. However, rate of Performance Security amount shall be 5% as stated Condition 14A.1 of IAFW-1815Z. Failure of the lowest bidder in submission of performance guarantee within the stipulated time period shall attract penalties as given in condition 14A of IAFW-1815Z.
2. All contractors enlisted with any formation in MES who have deposited standing security deposit and have executed standing security bond fulfilling the eligibility criteria can participate in tendering without depositing EMD.
3. **GENERAL INSTRUCTIONS FOR COMPLIANCE**
 - 3.1 The bid received only in the electronic form will be considered. All bids shall be submitted on www.defproc.gov.in portal. Documents should be scanned and forwarded in 'pdf' form and 'xls' form as indicated.
 - 3.2 Bids shall be uploaded on www.defproc.gov.in portal on or before the bid closing date mentioned in the tender. No tender/bid in any other electronic or physical form like email/fax/by hand/through post will be considered.
 - 3.3 Bid should be DIGITALLY signed using valid DSC. All pages of tender documents, amendments, corrections/alterations shall be signed/ initialed by the lowest bidder after acceptance.
 - 3.4 Drawings, if issued in physical form, must be returned duly initialed by the tenderer/bidder in separate envelope indicating his name and address.
 - 3.5 The tender shall be signed, dated and witnessed at all places provided for in the documents after acceptance. All corrections shall be initialed. The Contractor shall initial every page of tender and shall sign all drawings forming part of the tender. Any tender/bid, which proposes alterations to any of the conditions whatsoever, is liable to be rejected.
 - 3.6 In the technical bid, a scanned copy of Power of Attorney in favour of the person uploading the bid using his/her DSC shall be uploaded. In case the digital signatory himself is sole proprietor, scanned copy of an affidavit on stamp paper of appropriate value to this effect stating that he has authority to bind the firm in all matters pertaining to contract including the Arbitration Clause, shall be attached in 'pdf' form. In case of partnership concern or a limited company, digital signatory of the bid/tender shall ensure that he is competent to bind the contractor (through partnership deed, general power of attorney or Memorandum and Articles of Association of the Company) in all the matters pertaining to the contracts with Union of India including arbitration clause. A scanned copy of the documents confirming of such authority shall be attached with the tender/bid in 'pdf' form, if not submitted earlier. The person uploading the bid on behalf of another partner(s) or on behalf of a firm or company using his DSC shall upload with the tender/bid a scanned copy (in 'pdf' form) of Power of Attorney duly executed in his favour by such other or all of the Partners(s) or in accordance with constitution of the company in case of company, stating that he has authority to bind such other person of the firm of the Company, as the case may be, in all matters pertaining to the contract including the Arbitration Clause.
 - 3.7 Even in case of Firms or Companies which have already given Power of Attorney to and individual authorizing him to sign tender in pursuance of which bids are being uploaded by such person as a routine, fresh Power of Attorney duly executed in his favour stating specifically that the said person has authority to bind such partners of the Firm, or the Company as the case may be, including the condition relating to Arbitration Clause, should be uploaded in 'pdf' form with the tender/bid, unless such authority has already been given to him by the Firm or the Company. It shall be ensured that power of attorney shall be executed in accordance with the constitution of the company as laid down in its Memorandum & Article of Association.
 - 3.8 Hard copies of all above documents should be sent by the contractor to the Tender issuing authority well in advance to be received before the date & time fixed for the same.
 - 3.9 Bid (Cover 1 & 2) shall be uploaded online well in time.
 - 3.10 The contractor shall employ Indian Nationals after verifying their antecedents and loyalty. Attention is also drawn to special condition 3 referred hereinafter and also conditions of IAFW-1815Z.
 - 3.11 Tenderers/bidders who uploaded their priced tenders/bids and are desirous of being present at the time of opening of the tenders/bids, may do so at the appointed time.
 - 3.12 The tenderer/bidder shall quote his rate on the BOQ file only. No alteration to the format will be accepted, else the bid will be disqualified and summarily rejected.
 - 3.13 In case the tender/bidder has to revise/modify the rates quoted in the BOQ (excel sheet) he can do so only in the BOQ, through www.defproc.gov.in website only before the bid closing time and date.

4. **REVOCATION/REVISION OF OFFER UPWARD/OFFERING VOLUNTARY REDUCTION, AFTER OPENING OF COVER-II BY ANY BIDDER**

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

5. **CPM (Critical Path Method)**

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

5.2 The tenderer/bidder is expected to be fully conversant with the CPM technique and employ technical staff who can use the technique in sufficient details. Sufficient books and other literature on the subject are widely available in the market which the tenderer/bidder may make use of.

5.3 The tenderer's/bidder's attention is drawn to special condition of the tender regarding preparation of the detailed network analysis and time schedule for the work and his liability for employing sufficient resources to adhere to this schedule. Any inability on the part of the tenderer/bidder in using the technique will be taken as his technical inefficiency and will affect his class of enlistment and future prospect/invitation to tenders for future works.

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

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

(SIGNATURE OF CONTRACTOR)
DATED:

DCWE/ACWE (CONTRACTS)
FOR ACCEPTING OFFICER

MILITARY ENGINEER SERVICES
NOTICE OF TENDER IAFW-2162
APPLICABLE FOR LUMP SUM/MEASUREMENT CONTRACTS

1. A tender is invited for the work as mentioned in Appendix 'A' to this NOTICE INVITING TENDER (NIT).
2. The work is estimated to cost as indicated in aforesaid Appendix 'A'. This estimate, however, is not a guarantee and it is merely given as rough guide and if the work cost more or less, the tenderer/bidder will have no claim on this account. The tender shall be based as mentioned in aforesaid Appendix 'A'.
3. The work is to be completed within the period as indicated in aforesaid Appendix 'A' in accordance with the phasing, if any, indicated in the tender from the date of handing over site, which will be on or about two weeks after the date of Acceptance of tender.
4. 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/bid but in case of term contracts, Contractors of category SS to E may tender/bid. Contractors whose names are on the MES approved list of any MES Formation and who have deposited standing security and have executed standing security bond may also tender/bid without depositing Earnest Money along with the tender/bid. Not more than one tender/bid shall be submitted/uploaded by one contractor or one firm of contractors. Under no circumstances will a father and his son (s) or other close relations who have business dealing with one another be allowed to tender/bid for the same contract as separate competitors. A breach of this condition will render the tender/bids of both parties liable for rejection.
5. The Office of HQ CWE SHILLONG will be the Accepting Officer here in after referred to as such for the purpose of the contract.
6. The Technical Bid and Financial Bid (Cover-1 & Cover-2) shall be uploaded by the tenderer/bidder on or before the date & time mentioned in NIT. A scanned copy of DD with enlistment details/documents shall be uploaded as cover-1 ('T bid) of the tender/bid on e-tendering portal. DD is refundable in case Cover-I is not accepted resulting in non-opening of Cover-2. The applicant contractor shall bear the cost of bank charges for procuring and encashing the DD and shall not have any claim from Government whatsoever on this account.
 - 6.1 Tender form and conditions of contract and other necessary documents shall be available on defproc.gov.in/website for download and shall form part of contract agreement in case the tender/bid is accepted.
 - 6.2 In the case of a contractor who has not executed the Standing Security Bond, the Cover-I shall be accompanied with by Earnest Money of amount as mentioned in Appendix 'A' in the form of deposit at call receipt issued in favour of concerned GE (see Appendix 'A') by Scheduled Bank or receipted treasury Challan the amount being credited to the revenue deposit of the concerned GE (see Appendix 'A')
 - 6.3 A contractor who is not enlisted for the area in which the work lies but whose name is in the MES approved list of any MES formation and who has deposited standing security and executed standing security Bond may bid without depositing earnest money along with the tender.
 - 6.4 The bidder whose bid is finally accepted shall submit **PERFORMANCE SECURITY** as per condition 14A of IAFW-1815Z within the stipulated period failing which action as per provisions given in condition 14A shall be taken. Rate of Performance Security amount shall be 5% as stated Condition 14A.1 of IAFW-1815Z.
 - 6.5 The concerned GE will return the earnest money wherever applicable to all unsuccessful tenderers/bidders by endorsing an authority on the deposit-at-call receipt for its refund, on production by the tenderer, bidder a certificate of the Accepting Officer that a bonafide tender/bid was received and lowest bid for the tender has been accepted.
 - 6.6 The concerned GE will either return the Earnest Money to the successful tenderer/bidder by endorsing an authority on the deposit -at-call Receipt for its refund on receipt of performance security or utilize the same for recovery of penalty for non-submission of performance security.
 - 6.7 Copies of the drawings and other documents pertaining to the work signed for the purpose of identification by the Accepting Officer or his accredited representative, sample of material and stores to be supplied by the contractor will also be available for inspection by the tenderers/bidder at the office of Accepting Officer and concerned GE during working hours.

MILITARY ENGINEER SERVICES
NOTICE OF TENDER IAFW-2162
APPLICABLE FOR LUMP SUM/MEASUREMENT CONTRACTS (Contd.....)

7. The tenderers/bidders are advised to visit the site by making prior appointment with the GE who is also the Executing Agency of the work (see appendix 'A'). The tenderers/bidders are deemed to have full knowledge of all relevant documents, samples, sites etc, whether they have inspected them or not.
8. Any tender/bid which proposes any alteration to any of the conditions laid down or which proposes any other condition or prescription whatsoever, is liable to be rejected.
9. The uploading of bid implies that bidder has read this notice and the conditions of Contract and has made himself aware of the scope and specification of work to be done and of the conditions and rates at which stores, tools and plants etc will be issued to him and local conditions and other factors having bearing on the execution of the work.
10. Tenderers/bidders must be in possession of a copy of the MES Standard Schedule of Rates (see appendix 'A') including amendments and errata thereto.
11. Invitation for e-tender does not constitute any guarantee for validation of Cover-I bid and subsequent opening of finance bid of any application/bidder, even of enlisted contractors of appropriate class, merely by virtue of enclosing DD. Accepting Officer reserves the right to reject the Cover-I and not open the finance bid of any application/bidder. Cover-I validation shall be decided by Accepting Officer based on, inter alia, capacity 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 Cover-I bid assigning reasons thereof through the defproc website. The applicant contractor/bidder if he so desires may appeal to the next higher Engineer authority Chief Engineer Shillong Zone on email id ceshiz-ec-army@nic.in with copy to the Accepting Officer on email before the scheduled date of opening of Finance Bid. The decision of the Next Higher Engineer Authority (NHEA) shall be final and binding. The contractor/bidder shall not be entitled for any compensation whatsoever for rejection of his bid.
12. The Accepting Officer reserves the right to accept a tender submitted by a public Undertaking, giving a price preference over other Tender(s)/bids which may be lower, as are admissible under the Government Policy. No claim for any compensation or otherwise shall be admissible from such tenderer/bidder whose tender/bid is rejected.
13. Accepting Officer does not bind himself to accept the lowest of any tender/bid or to give any reason for not doing so.
14. This **Notice Inviting Tender (NIT)** including Appendix 'A' shall form part of the contract.

SIGNATURE OF CONTRACTOR

FOR ACCEPTING OFFICER

APPENDIX 'A' TO NOTICE INVITING TENDER (NIT)

1.	Name of work	SPL REPAIR/ RENEWAL TO SURVEYED OFF STEEL/ WOODEN/ MISC FURNITURE FOR MD / OTM ACCN UNDER GE SHILLONG																
2.	Estimated Cost	(a) ₹79.60 Lakhs – For tender as whole i.e. Schedule ‘A’ Part-I (Steel Furniture/TP) and Schedule ‘A’ Part-II (Wooden Furniture) (b) ₹47.40 Lakhs – Schedule ‘A’ Part-I (Steel Furniture/TP) (c) ₹32.20 Lakhs – Schedule ‘A’ Part-II (Wooden Furniture)																
3.	Period of completion	180 DAYS																
4.	Cost of tender documents	₹1000/- in the shape of DD/Bankers cheque from any schedule Bank in favour of GE Shillong and payable at Shillong.																
5.	Website/portal address	www.defproc.gov.in and www.mes.gov.in																
6.	Type of contract	The tender shall be based on IAFW-1815Z and IAFW-1815(R) with Schedule ‘A’ (list of items of work) to be priced by tenderer/bidder electronically in BOQ.																
7.	Information & Details:																	
	(a) Bid download/sale start date	 As per critical dates uploaded on MES website i.e. www.defproc.gov.in																
	(b) Bid submission start date																	
	(c) Bid submission end date																	
	(d) Date of bid opening																	
8.	Eligibility Criteria																	
	(A) For MES enlisted contractors	(a) Class ‘C’ and above and category d(i)	For tender as whole i.e., Schedule ‘A’ Part-I & II															
		(b) Class ‘D’ and above and category d(i)	For Schedule ‘A’ Part-I															
		(c) Class ‘D’ and above and category d(i)	For Schedule ‘A’ Part-II															
	(B) For contractors not enlisted with MES	(i) The firms not enlisted with MES shall meet the enlistment criteria of MES contractors for class & category as given above against Clause No. 8 (A) i.e. with regard to satisfactorily completion of requisite value of similar works with Central/State Government/ Central/ State PSUs/ AWHO/AFNHB/ CGEWHO/ DGMAP, Annual turnover, bank solvency, working capital, Police verification and other requirements as per enlistment criteria given in Para 1.4 and 1.5 of Section 1 of MES Manual Contracts-2020 as available in all MES Formations as well as MES website (www.mes.gov.in). (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. (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. (iv) Details of works completed and under progress in MES to be submitted in the following format:- <table border="1" data-bbox="660 1484 1472 1572"><tr><th>Srl No.</th><th>CA No. & 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> (v) 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. (vi) Firm should not carry adverse remarks in WLR or any other similar report of any authority.					Srl No.	CA No. & Name of work	Value of CA	Date of Commencement	Date of Completion	Extended Date of Completion						
Srl No.	CA No. & Name of work	Value of CA	Date of Commencement	Date of Completion	Extended Date of Completion													

APPENDIX 'A' TO NOTICE OF TENDER(E-TENDER)
MILITARY ENGINEER SERVICES(Contd...)

	(C) For all Contractors	Contractor will not be allowed to execute the work by subletting or through power of attorney holder on his behalf to a third party/another firm except sons/daughter/spouse of proprietor/partner/Director and firm's own employees, Director, Project Manager. This shall be subject to certain conditions which will be prescribed in the Notice of Tender forming part of the tender documents. NOTE - Applicable for all parts i.e. Schedule 'A' Part-I & II:- (i) The bidders/ contractors are advised to read relevant contract drawings and particulars specifications, Key Specifications, Special Conditions and General Conditions of Contracts before entry / quoting the rates. (ii) Bidder may quote all two parts as a whole or only any one part. This aspect should be clearly indicated by the tenderer on letter pad and scanned copy should also be uploaded in Cover-I clarifying that the tenderer has quoted as a whole or for any specific part/parts. (iii) The Accepting Officer reserves his right to accept tender as a whole or in parts. The contractor shall not have any claim what so-ever for accepting the contracts as a whole or part wise. Decision of Accepting Officer in this regard shall be final and binding. (iv) If Contractor wishes not to quote any part/parts (as per his eligibility given in NIT) he should quote "0" rates in the Rate column of that particular part/parts. Accordingly, such offer shall not be considered Non bonafide & it will be construed that the contractor has not quoted that particular part/parts.
9.	Tender issuing and Accepting Officer	Commander Works Engineer Shillong
10.	Executing agency	GE Shillong
11.	Earnest Money	(a) ₹1,44,500.00– For tender as whole i.e., Schedule 'A' Part I & II in favour of GE Shillong in the form of Deposit at call receipt, FDR not acceptable. (b) ₹95,000.00– For Schedule 'A' Part I in favour of GE Shillong in the form of Deposit at call receipt, FDR not acceptable. (c) ₹64,500.00– For Schedule 'A' Part II in favour of GE Shillong in the form of Deposit at call receipt, FDR not acceptable.

NOTES:-

1. 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 Shillong/Umroi area) below the eligible class shall also be considered subject to fulfillment of other eligibility criteria given in the NIT. Therefore MES contractor's one class below (two classes below in case of Shillong / Umroi areas) may also bid for this tender. Such 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 fulfill the criteria of upgradation to the stipulated eligible class based on past experience of completed works (individual work experience and/or average annual turnover, as applicable) and financial soundness (solveny/ 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 residual 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 fulfill the criteria of upgradation shall also upload the requisite information/documents in support of upgradation. These details shall be verified by the Tender Issuing Authority from concerned formations in case bids of such contractors are considered for evaluation.

2. In case after opening of Cover 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, applications of only those one class below the eligible class bidders shall be considered, who have previously completed similar works satisfactorily and are meeting the criteria of upgradation in respect of past experience of completed works (individual work experience and/or average annual turnover as applicable) and financial soundness (solveny/financial soundness and working capital) as per details given in Manual on Contracts. Therefore, such contractors shall upload the requisite information/documents in the Cover-1.

3. Unenlisted 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 national having taken foreign citizenship, as director(s) shall be considered subject to security clearance from the concerned authorities.

APPENDIX 'A' TO NOTICE OF TENDER(E-TENDER)
MILITARY ENGINEER SERVICES(Contd...)

4. Contractors enlisted with MES will upload following documents in Cover 1 for checking eligibility:-
 - (a) Application for tender on Firm's letterhead.
 - (b) Enlistment letter issued by the Registering Authority duly renewed for the cycle period in vogue.
 - (c) Scanned copy of DD / Bankers Cheque toward cost of tender and EMD instrument in case SSD bond is not signed at the time of registration.
 - (d) Any other document required as described in this Appendix.
5. Contractors not enlisted with MES will be required to upload following documents in Cover 1 for checking eligibility:-
 - (a) Application for tender on Firm's letterhead.
 - (b) Scanned copy of DD / Bankers cheque toward cost of tender and Earnest Money 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 of valid passport of Proprietor / each partner / each Director.
 - (d) All documents required for enlistment in MES for the class mentioned in Para 8 (b) above as per Para 1.5 of Section 1 of MES Manual on Contracts 2020.
 - (e) Details of works being executed in MES, if any.
 - (f) Any other document required as described in this Appendix.
6. Tenders not accompanied by scanned 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 7* days of bid submission end date (*The number of days to be mentioned shall be as decided by the Accepting Officers, but it shall not be less than 5 days) failing which following action shall be taken.
 - (a) In case of tenders from an enlisted contractor of MES, where scanned copies of requisite DD/Bankers Cheque towards cost of tender have been uploaded in Cover 1 but physical copies are not received within the stipulated period, their financial bids (Cover 2) will be opened. However non-submission of physical copies of cost of tender shall be considered as willful negligence of the tenderer with ulterior motives and such tenderer shall be banned from bidding for a period of six months commencing from the date of opening of Financial Bid (Cover 2).
 - (b) In case of tenders from unenlisted contractor, where scanned copies of requisite DD/Bankers Cheque towards cost of tender have been uploaded in Cover 1 but physical copies are not received within the stipulated period, their financial bids (Cover 2) will not be opened. Name of such contractors along with complete address shall be circulated for not opening of their bids for a period of six months commencing from the date of opening of Financial bid (Cover 2).
 - (c) In case of tenders from enlisted and unenlisted contractors, 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 Proprietor/ Partner/ Director and firm's own employees, director, project manager provided they are not having a separate enlisted firm in MES in their name as Proprietor/ Partner/ Director.
9. After opening of Cover 1 and during its technical evaluation, in case any deficiency is noticed in the documents required to be uploaded by the tenderers as per NIT, a communication in the form of e-mail/SMS/Speed post etc shall be sent to the contractor to rectify the deficiency within a period of seven days from 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 e-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 the Appendix. Tenderer/ bidder will be informed regarding non- validation of his Technical bid assigning reasons therefore through tender evaluation report which shall be uploaded on the website. Such tenderer, if desires, may appeal to the next higher engineer Authority (NHEA) viz HQ Chief Engineer Shillong Zone on email id **ceshiz-ec-army@nic.in** with copy to the Accepting Officer on email before the scheduled 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.

APPENDIX 'A' TO NOTICE OF TENDER(E-TENDER)
MILITARY ENGINEER SERVICES(Contd...)

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

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

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 willful default. For this default a penalty of an amount equal to Earnest Money shall be levied. In case of an unenlisted tenderer, Earnest Money deposited by him shall be forfeited. In case of MES enlisted tenderer having deposited the Standing Security Bond, an amount equal to the earnest money stipulated in the NIT, shall be notified to the tenderer for depositing through MRO and consideration of such tenderer in tender evaluation for future works shall remain suspended till the aforementioned amount is deposited in the Government Treasury. No other disciplinary/ administrative action shall be taken against such tenderers. In such 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.

13A. In case of acceptance of tender of the firm, the contractor is required to deposit Performance Security Deposit @ 5% of Contract Value/ Contract Sum within 28 days of award of contract. Irrespective of whatever is mentioned in condition with regard to suspension of tenders on account of non-submission of Performance Security, issue of tenders to such tenderers shall remain suspended for a period of six months from the date of cancellation of contract, in case of un-enlisted Contractors. In case of MES enlisted contractor, issue of tenders shall remain suspended till deposit of EMD or six months from date of cancellation whichever is later.

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. REQUIREMENT OF T&P, MACHINERY & TRANSPORT

15.1 Contractor shall ensure deployment of 'T&P, Machinery & Transport' required for executing the work shall be deemed to be provided and deployed at site. Inadequate deployment of T&P, Machinery & Transport as per contract conditions shall be considered as serious lapse attracting ban/ removal/ downgrading/ debarment of the firm/ company or any other action as deemed fit will be taken by the Accepting Officer/ Department.

15.2 Stage wise deployment of T&P/ Machinery/ Transport shall be ensured.

15.3 GE will be sole authority to decide the optimum requirement of minimum Nos & type of T&P/ Machinery/ Transport at site at a particular stage of work ensuring that no delay is encountered due to any shortage of T&P/ Machinery/ Transport.

16. Court of the place from where tender has been issued shall alone have jurisdiction to decide any dispute out of or in respect of this tender. After acceptance of tender, Condition 72 - Jurisdiction of Courts of IAFW-2249 shall be applicable.

Signature of contractor

8910/SHL/ 02 /E8

Commander Works Engineer Shillong
Spread Eagle Falls
Shillong – 793011
Meghalaya

Accepting Officer

Dated: Sep 2025

In lieu of IAFW-1815-R

**TO BE USED IN CONJUNCTION WITH GENERAL CONDITIONS OF CONTRACT FOR
SUPPLY OF STORES AND MATERIALS TO MES IAFW-1815-Z**

MILITARY ENGINEER SERVICES

Headquarters
CWE Shillong
Spread Eagle Falls
Shillong – 793 011

8910/SHL/05 /E8

Sep 2025

**ITEM RATE TENDER AND CONTRACT FOR WORKS REQUIRED IN EXECUTION OF SPL
REPAIR/ RENEWAL TO SURVEYED OFF STEEL/ WOODEN/ MISC FURNITURE FOR MD / OTM
ACCN UNDER GE SHILLONG**

1. Sarvashri/Shri _____
are/is hereby authorized to tender for the above work. The online bid only is to be submitted on website www.eprocuremes.gov.in before date as mentioned in critical dates on www.defproc.gov.in portal.
2. Any correspondence concerning this tender shall be addressed as indicated at the top of this sheet quoting the reference as given.

**THE PRESIDENT OF INDIA DOES NOT BIND HIMSELF TO ACCEPT THE LOWEST OR ANY
TENDER AND RESERVES THE RIGHT TO ACCEPT A TENDER WHOLE OR IN PART AS HE
MAY DECIDE**

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

Dated: 2025

SIGNATURE OF CONTRACTOR
DATED _____

SCHEDULE 'A'**(LIST OF WORKS AND PRICES)****NAME OF WORK: SPL REPAIR/ RENEWAL TO SURVEYED OFF STEEL/ WOODEN/ MISC
FURNITURE FOR MD / OTM ACCN UNDER GE SHILLONG****Notes:-**

1. The quantities mentioned under column-3 of Schedule 'A' are approximate and are inserted as a guide only. They shall however, not be varied beyond the limit as laid down in condition 5 of IAFW-1815(Z) (General condition of contract).
2. The tenderer is required to quote the rates online on portal www.defproc.gov.in in BOQ available on the website and no bids in physical form shall be accepted. Total amount under as in BOQ shall be firm and will be treated as "CONTRACT SUM" after deducting credit (if any) for all purposes as referred to in IAFW-1815Z.
3. Schedule 'A'/BOQ contained 02 Parts:-

(a)	Schedule 'A' Part-I	-	Steel Furniture & TP
(b)	Schedule 'A' Part-II	-	Wooden Furniture
4. **Period of completion:** - The entire work under this contract is divided into 02 (two) parts and completion period of each part shall be **06 (SIX) Months** from the date of work order No. 1 of tender to be issued by GE. Even if the parts i.e. Schedule 'A' Part-I and Part-II are accepted in favour of the same tenderer, the entire work shall be completed within **06 (SIX) Months** from the date of work order No. 1 of tender to be issued by GE.
5. The rates quoted by the tenderer shall be deemed to include cost of materials, labour, T&P, transportation, loading, unloading and delivery of furniture items complete at MES furniture yard of concerned GE. The furniture shall be manufactured as per the drawings mentioned in Schedule A incorporating all amendments in drawings issued till last date of submission of tender. The tenderers shall be deemed to have full knowledge of the drawings with latest amendments and no claim on account of any ignorance/misunderstanding shall be entertained. The drawings have not been enclosed with the tender documents however they shall form part of tender documents and the tenderers are supposed to be in possession of all the drawings with latest amendments.
6. **MINOR EXTRAS:** - The rates quoted by the contractor shall be deemed to include for all minor extras and stores which might have not been specified/ shown in drawings but which are essential for proper execution of work in a workmen like manner, as per established engineering practice for entire satisfaction/ completion of work.
7. In case of any disagreement between the contractor and GE as to whether or not certain items of work constitute minor constructional details/ extras which are deemed to have been included in the contractor's quoted rates/prices, the decision of COMMANDER WORKS ENGINEER, SHILLONG shall be final and binding.
8. The tenderer shall indicate on serial page No _____ of the tender, the locations and correct postal address of his premises where he intends to manufacture the furniture items and where furniture items shall be available for inspections. In case, it is more than one place, it shall be so stated therein.
9. The contractors are advised to ascertain the provision of GST, statutory levies, duties etc prevalent. Please note that all taxes etc shall be paid by the contractor & no claim on this account shall be admissible.
10. Out of makes specified in the tender, the contractor shall provide best available make as approved by GE in writing.
11. For items of furniture procured from any firms mentioned in tender documents, the contractor shall produce purchase voucher for the furniture issued by manufacturers or their authorized dealers and the furniture shall only be accepted after production of original purchase vouchers.
12. Performance Security as stipulated in condition 14A of IAFW-1815Z shall be deposited within time frame stipulated by the successful bidder for a period equal to the sum of contract period and defect liability period (condition 20 of IAFW-1815Z). Rate of Performance Security amount shall be 5% as stated Condition 14A.1 of IAFW-1815Z.
13. The work order to start the work and site shall be handed over only after submission of **Performance Security**. If the performance security is not submitted within the TIME prescribed in condition 14A of IAFW-1815Z the contract shall be liable to be cancelled and penalties as stipulated in contract shall be levied on the contractor in addition to other prohibitions and de-enlistment of contractor as decided by Accepting Officer. The decision of Accepting Officer in this respect shall be final and binding.
14. Drawings up-to-date/amended as on last date of receipt of tender and sample of furniture articles indicated in Schedule 'A' and Key specifications based on which the items of furniture are to be manufactured and supplied, shall not be issued by the department to the contractor. If the contractor desires to see the drawing and sample of furniture articles, he may visit GE's office to refer the drawing and sample of furniture articles on any working day before submitting the tender.
15. The work consists of **Job No. 01/SC/BSO/GE Shg/Fur/2025-26/Q**

SIGNATURE OF CONTRACTOR
DATED: _____

DCWE/ACWE (CONTRACTS)
FOR ACCEPTING OFFICER

SCHEDULE 'B'
LIST OF MATERIALS TO BE ISSUED TO THE CONTRACTOR
(REFER CONDITION 08 OF GENERAL CONDITIONS OF CONTRACTS - 1AFW-1815Z)

Ser No	Particulars	Rate at which materials will be issued to the contractor		Place of issue (By name)	Re ma rks
		Unit	Rate		

-NIL-

SIGNATURE OF THE CONTRACTOR

**DCWE/ACWE (CONTRACTS)
FOR ACCEPTING OFFICER**

TENDER

The President of India,

Have examined and perused the following documents: -

1. Specifications signed by DCWE/ACWE (Contracts)
2. Drawings detailed in the particular specifications / list of drawings.
3. Schedule 'A' & 'B' attached herewith.
4. General Conditions of Contract, IAFW-1815-Z, (1969 Print) together with amendment Nos 1 to 41 and Errata 1 to 32.

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

*(a) That the sum of Rs _____ (Rupees _____) forwarded as Earnest Money shall either be retained in part or full as the case may be, on account of Performance Security Deposit or be refunded by the Government on receipt of the appropriate amount as Performance security deposit within the time specified in condition 14A of IAFW-1815-Z. Rate of Performance Security amount shall be 5% as stated Condition 14A.1 of IAFW-1815Z.

(b) To supply to the extent to which my/our tender may herein be accepted upon the terms and conditions contained or referred to in the said documents and at the price or prices quoted by me/us in Schedule 'A' hereto, such of the stores and materials listed therein as may be required and demanded of me/us during the period as stated in note 4 on SI page No. 12 commencing on the date given in work order No. 1 and in respect whereof my/our tender may here in be accepted. I/We further agree that any condition of sale or contract or general reservations, which may be printed or written on any correspondence, delivery notes, invoices, etc, submitted by me/us in connection with this contract shall not be applicable hereto, and to refer all disputes, as required by condition 37 of IAFW-1815-Z to the Sole Arbitration of 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 by Chief Engineer, Shillong Zone, Shillong or in his absence, the officer, officiating as Chief Engineer, Shillong Zone, Shillong, whose decision shall be final, conclusive and binding.

All supplies being manufactured under provision of this contract will be available for inspection at the premises situated at _____.

*To be deleted where not applicable.

Contd....

TOTAL BROUGHT FORWARD FROM SERIAL PAGE No. 14

Rs. _____ (Rupees _____
_____)

Signature _____ Date _____

in the capacity of _____ duly authorized

to sign the TENDER FOR AND ON BEHALF OF _____
(IN CAPITAL LETTERS)Name of the Signatory: _____
(In block letters)Postal Address: _____
_____Telegraphic Address: _____

Telephone No: _____

Witness _____
_____**ACCEPTANCE**

_____ alteration (s) have been made in these documents as evidence that these alterations were made before the execution of the Contract Agreement, they have been initialed by the contractor and DCWE/ACWE (Contracts). The said officer (s) is hereby authorized to sign and initial on my behalf, the documents forming part of this Contract.

The above tender is/was accepted by me on behalf of the President of India at the item rates contained in Schedule 'A' Part for the contract sum of Rs. _____

Rupees _____
_____ only)

Signature _____ Dated this _____ day of _____ 2025.

Appointment: Commander Works Engineer Shillong
(For and on behalf of the President of India)

Dated this _____ day of _____ 2025.

MILITARY ENGINEER SERVICES**NAME OF WORK: SPL REPAIR/ RENEWAL TO SURVEYED OFF STEEL/ WOODEN/
MISC FURNITURE FOR MD / OTM ACCN UNDER GE SHILLONG****GENERAL CONDITIONS OF CONTRACTS (IAFW-1815-Z)**

A copy of the General Conditions of Contract IAFW-1815-Z (1969 Print) with errata 1 to 32 and amendment No 1 to 41 has been supplied to *me / us and is in *my / our possession. *I/We have read and understood the provisions contained in the aforesaid General Conditions of Contract before submission of this tender and *I / We agree that *I / We shall abide by the terms & conditions thereof, as modified, if any, elsewhere in these tender documents.

It is hereby further agreed and declared by *me / us, that the General Conditions of Contract (IAFW-1815-Z: 1969 Print) including conditions 37 thereof pertaining to settlement of disputes by arbitration containing 44 pages with Errata 1 to 32 amendments Nos 1 to 41 form part of these documents.

*Delete whichever is not applicable.

Note:-

In case the tenderer is not in possession of any of the documents referred above he should obtain a copy from the office of the **HQ CWE Shillong, Spread Eagle Falls, Shillong** before submission of his tender.

SIGNATURE OF CONTRACTOR**DCWE/ACWE (CONTRACTS)
FOR ACCEPTING OFFICER****DATED:**

IN LIEU OF MINIMUM FAIR WAGES

**NAME OF WORK: SPL REPAIR/ RENEWAL TO SURVEYED OFF STEEL/ WOODEN/
MISC FURNITURE FOR MD / OTM ACCN UNDER GE SHILLONG**

SCHEDULE OF MINIMUM WAGES/FAIR WAGES

1. A copy of the following documents are in my/our possession and I/We have read and understood the provision contained in this documents before submission of tender as under :-
 - (a) Schedule of Minimum Wages/Fair Wages referred to at Serial Page No 64 to Serial Page No 68 shall form part of tender documents.
2. I/We abide by the terms and conditions of the contracts.
3. It is hereby, further agreed and declared by me/us that the Schedule of Minimum wages/fair wages and documents referred above shall form part of these tender documents and not enclosed with contract documents.

SIGNATURE OF CONTRACTOR

**DCWE/ACWE (CONTRACTS)
FOR ACCEPTING OFFICER**

DATED:

Note: -

In case the tenderer is not in possession of any of the documents referred above he should obtain a copy from the office of the **HQ CWE Shillong, Spread Eagle Falls, Shillong** before submission of his tender.

SPECIAL CONDITIONS**1. GENERAL**

1.1 These conditions shall be read in conjunction with General Conditions of Contract 1815-Z forming part of this contract.

2. SECURITY PASSES ETC

2.1 The contractor's attention is invited to condition-17 of IAFW-1815-Z. He shall employ person(s) of only Indian Nationality after verifying their antecedents and loyalty. The contractor shall on demand by the Engineer-in-Charge, submit a list of his agents employees, and work people concerned and shall satisfy the Engineer-in-Charge as to the bonafides of such people.

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

2.3 The contractor and his agents, employees, work people etc shall observe all the rules promulgated by the authority controlling the Installation/area in which work is to be carried out e.g. Prohibition of smoking and lighting, fire precautions, search of person on entry and exit keeping to specific routes, observing specified timings etc. No extra claims/payment shall be admissible for any man hours etc lost on this account.

3. **LAND FOR WORKSHOP/SHED.** Contractor shall make his own arrangements for workshop required for the manufacture of furniture. No facility in respect thereof shall be given by the department.

4. MATERIALS

4.1 All materials, articles, fittings and accessories etc shall strictly comply with the specifications given herein after in particular specifications. In absence of any specifications of any particular item(s), the same shall be ISI marked. In cases where ISI approved product are not available, those items shall be conforming to relevant IS specifications and make as approved by GE. In case where all the above requirements are not met with then the materials shall be as per samples kept in GE's office. The contractor shall be deemed to have full knowledge of the specifications of these samples whether he inspects them or not.

4.2. The contractor shall produce samples of all materials fittings accessories etc that he proposes to use and get it approved in writing by the GE. The materials/articles, fittings, accessories etc as approved, shall be labeled as such and shall be signed by the GE and the contractor or his authorised representatives. These samples shall be kept in custody of GE.

4.3 The brands of all materials, articles and fittings etc approved together with the names of their manufacturers and firms from which supplies have been arranged shall be recorded in the stage passing register.

5. **SUPPLY AND DELIVERY OF ARTICLES OF FURNITURE.** The articles of furniture may be manufactured at the contractor's own workshop and shall have to be transported under his own arrangements to the furniture store yards in unpainted stage. Contractor shall obtain a certificate of approval to the articles of furniture brought in each consignment from the GE before proceeding further with painting etc. Certificate of Acceptance as per definition given in sub-para (n) of condition 1 of IAFW-1815-Z will be given by GE after completion of supplies in accordance with terms and conditions of contract, special attention is drawn to condition 22 of IAFW-1815-Z in this connection.

6. SAMPLE OF FURNITURE ITEMS

6.1 The contractor shall produce an unpainted sample of furniture items in accordance with contract drawings and specifications, within 15 days from the date of commencement given in the work order and get it approved in writing from GE before proceeding with the manufacture of concerned articles of furniture. The samples of items of furniture shall be produced by the Contractor at MES furniture and store yard of GE.

6.2 Approved samples shall be labeled and adjusted in accordance with the provisions contained in condition 8 of IAFW-1815-Z for the purpose of payment on account.

6.3 Furniture shall be manufactured strictly in accordance with approved samples.

7. APPROVAL OF WORKS BY STAGES

7.1 Refer condition 21 of IAFW-1815-Z.

7.2 Articles of furniture shall normally be inspected by GE / BSO at the following stages: -

7.2.1 FIRST STAGE. When components of furniture items are cut to sizes.

7.2.2 SECOND STAGE. When the articles is ready in all respect but before painting/polishing.

7.2.3 THIRD STAGE. After articles is finally delivered after painting/polishing.

7.3 Omission of inspection at any stage, or inspection and approval in the initial stage shall not absolve the contractor from his liability/responsibility of producing the articles in accordance with drawings, specifications and approved sample. Painting to MS clamps etc shall be carried out in the furniture store yard of GE after the articles have been passed by GE or his authorised representative. Supplies will not be treated as completed until finishing is carried out and articles is approved and accepted by GE.

7.4 The furniture items supplied shall finally be checked by a BOO ordered by Accepting Officer before issuance of completion certificate by GE.

8. **BRANDING AND MARKING ARTICLES OF FURNITURE**: - All articles of furniture to be supplied under this contract shall be identified by means of label indicating the CA No , Name of firm etc fixed at the place shown in drawing. However, in case of certain items in respect of which location for fixing label is not shown in the drawings, it shall be fixed in at such place as directed by the Engineer in Charge. Label shall be of aluminium alloy.

SPECIAL CONDITIONS(Contd.....)

9. **SIZE AND DIMENSIONS:** - Dimensions and sizes where shown on drawings are the finished sizes and no tolerance in respect thereof shall be allowed.

10. **PROPRIETARY BRANDED MATERIALS**

10.1 Proprietary branded materials such as paint and the like, quantities of which cannot be checked after incorporation in work, shall when collected at site, be recorded in Measurement Book and signed by MES representative and the contractor or his authorised representative.

10.2 He shall obtain/procure proprietary branded materials from authorised stockists. The contractor shall produce original receipt vouchers showing quantity and quality of the materials which shall comply with the specifications. These voucher shall be endorsed dated and initialed by the BSO/EIC giving the CA No and Name of work and certified true copy of each such vouchers signed by the BSO/EIC and the contractor shall be kept on MES record. Contractor shall produce cash purchase vouchers for the entire quantity procured in respect of fittings and newar and other items to the GE for his verification and record.

10.3 The contractor shall ensure that the materials are brought in packed original sealed containers/ packing bearing manufacturer's marking/brands etc.

10.4 Materials brought at site shall be stored as directed by the Engineer-in-Charge and those already recorded in MB shall be suitable marked for identification.

11. **SIGNING OF CONTRACT DOCUMENTS:** The person signing the tender on behalf of a firm shall attach with the tender proper power of attorney duly executed in his favour by such other person or the firm as the case may be in all matters pertaining to the contract including the arbitration clause.

12. **PERIOD OF KEEPING TENDER OPEN:** The tender shall remain open for acceptance for a period of 60 (Sixty) days after the date of submission.

13. **SECURITY OF CLASSIFIED DOCUMENTS:** Contractor's special attention is drawn to condition 3 of IAFW-1815 -Z (General conditions of contract). The contractor shall not communicate any classified information regarding the work either to sub-contractor or others without prior approval of EIC. The contractor shall not make copies of design drawings and he shall return all documents on the completion of work or the earlier determination of the contract. The contractor shall alongwith final bill attach a copy of receipt from the EIC in respect of his having returned the classified documents as per condition 3 of IAFW-1815-Z.

14. **RELEASE OF PERFORMANCE SECURITY DEPOSIT**

14.1 Refer Conditions 14A and 34 of IAFW-1815Z.

14.2 The contractor has to deposit performance security for the contract for a period equal to the sum of contract period as given in the contract and defect liability period (condition 20 of IAFW-1815Z) and the same shall be released after expiry of defect liability period.

15. **TESTING OF MATERIALS:** Where testing of contractor's materials is carried out in Zonal/ National Test House/SEMT Wing/Engineering College Govt Site Lab, the contractor shall be liable to pay the testing charges as applicable and shall be recovered from the contractor's running payment/final bill as the case may be.

SIGNATURE OF CONTRACTOR

**DCWE/ACWE (CONTRACTS)
FOR ACCEPTING OFFICER**

DATED:

PARTICULAR SPECIFICATIONS

1. **GENERAL:** - Specifications required to be followed in the work shall be as shown in drawings. Particular specifications part I and part II given here-in-after shall supplement to and are to particularise, amend or emphasis the aforesaid specification in the drawings. If any provisions in the particular specifications given here-under are at variance with provisions in the drawings, the provision in particular specifications shall take precedence. Key specifications shall take precedence over particular specifications in case of any discrepancy.
2. **DRAWING:** - Drawings applicable to this contract are mentioned in Schedule 'A' and in particular specifications. Part II and shall be inclusive of amendments up to date. Any drawing mentioned in any drawing or in particular specification itself and inadvertently not included in Schedule 'A' or in particular specifications shall also form part of this contract.
- 2.1 Details of Schedule of quantities wherever shown on drawings are for guidance only and no claim what-so-ever for any omission inaccuracies, discrepancies therein shall be entertained.
3. **MATERIALS:** - All materials to be supplied/incorporated in supplies by the contractor shall be new.
4. **STEEL SECTIONS:** - All mild steel and iron work shall be of ordinary quality Fe-290 (Gde E- 165).
- 4.1 All finished steel shall be well and clearly rolled to the dimensions, sections and weight as specified in relevant IS.
- 4.2 The finished materials shall be free from cracks surface flaws, laminations, rough, jagged and imperfect edges and all other, harmful defects.
5. **ELECTRODES:** - Electrodes for metal welding of MS shall be as per IS-814. The mechanical properties of the weld deposit shall be such as to satisfy all the requirements of the parent metal.
6. **HOLES:** - All holes shall be accurately marked and drilled.
7. **WELDING:** - Unless specifically mentioned, otherwise, fillet weld shall be provided. Welded, joints shall be free from defects that would impair the service performance of the articles. All welds shall be free from incomplete penetration, incomplete fusion, slag including, burns, un-welded craters, cracks in the weld metal etc. Rectification of welds by caulking shall not be permitted.
8. **FINISHING**
- 8.1 All articles of furniture shall be finished as described here-in-after.
- 8.2 **PAINTING**
- 8.2.1 All painting as far as possible shall be carried out in dry weather and with neatly cut in edges. Surfaces not to be painted shall be protected and cleaned off as necessary.
- 8.2.2 Synthetic enamel paint shall be of 1st grade.
- 8.2.3 Red oxide primer and synthetic enamel paint shall be of same manufacturer.
- 8.2.4 If nothing is specified then all steel work and components (except GI or specified to be finished otherwise) shall be finished with two coats of synthetic enamel paint over one coat of red oxide primer (Zinc Chrome) including preparation of surface. The paint shall be any one of the following manufacturers and brands shall be of 1st quality as approved in writings by the GE before use:-
(i) SHALIMAR PAINTS LTD (SUPERLAC)(ii) APCOLITE (ASIAN)(iii)LUXOL (BERGER)(iv)JENSON& NICHOLSON PAINTS LTD (BOROLAC)(v)JOTUN INDIA PVT LTD
9. **SCOPE OF CONTRACT** :- The contract comprises, manufacture and supply of furniture articles as detailed in Sch 'A', shown in drawings and specified in particular specifications part I and II and special requirement. The articles of furniture shall be delivered at furniture yard of GE.
10. **PLYWOOD:** - The plywood shall be ISI marked and shall be approved by GE It shall be of grade "BWR". The quality requirements of each face of the plywood shall be of type 'A' (Commercial facings). It shall be uniform in thickness, free from warps and cracks. The edges of the plywood shall be trimmed square. The thickness given is "NET" and no tolerance is allowed. **MAKE:** - GREENPLY INDUSTRIES LTD (PLY & BOARD DIVISION)/KITPLY/CENTURY/NATIONAL PLYWOOD INDS PVT LTD/ARCHID PLY.
11. **Decorative Plywood.** These shall also be ISI marked and shall be approved product of BIS, where ever in drawings decorative veneers shown in drawings over plywood, these shall be decorative plywood on one face/both faces as per drawing. Decorative veneers shall be of teak wood species. The adhesive for bonding shall be synthetic resin conforming to IS-848. The thickness of plywood shown in drawing is exclusive of decorative veneers. The tolerance on the thickness shall be not more than (+) 10% and (-) 5%.
12. -----BLANK-----
13. **TIMBER**
- (a) All woodwork shall be in teakwood if not specified otherwise in these tender documents elsewhere. Timber shall be first grade kiln (plant) seasoned teakwood as per IS 1331-1971 with moisture content permissible as per IS 287: 1973.
- (b) Where teak wood is indicated on drawing or specified hereinafter it shall be best quality teak wood as above, well seasoned as per sample kept in GE's Office and as approved by Garrison Engineer. Where no wood is indicated in drawings, teak wood shall be used except where specifically indicated otherwise in these specifications. All timber shall be the best of its kind. It shall be natural growth, free from shakes, knot, dot, cracks, borer holes, soft spots, termite attack & all other defects & blemishes. Knots upto 1/2 inch diameter may however be accepted if they:-

PARTICULAR SPECIFICATIONS (CONTD...)

- (i) are not likely to become loose or are dead knots.
- (ii) are not in clusters or groups.
- (iii) do not occur on edges or joints or on underside of member in tension.
- (iv) do not distinguish and prominently show out in the finished articles.
- (c) All timber shall be wrought, sand papered smooth and shall have corners and edges rounded wherever shown on drawings.
- (d) Boardings, fillets and scantling etc. shall be straight square, sawn and planned true and smooth to the dimensions shown on drawings. However for wooden members where any dimension has been specified to be 20mm or more tolerance of 1 mm will be allowed in respect of each of such dimension of the member.
- (e) Every plank shall be in one length and no joints shall be permitted.
- (f) Width of Plank in timber : Except where planks are specifically indicated on drawings to be in one piece, width of planks shall be as under :-
Up to and including 200mm width, planks shall be in one piece. Over 200mm and upto 400mm, planks shall be in two pieces of equal width. Planks over 400mm in width shall be made up of planks of equal width nearest to 200mm.
- 14. M.S. Conduit: Mild steel conduit shall be of square pipe or round and of sizes as shown in drawings. These shall be conforming to relevant IS. The sizes/diameter etc shown are external sizes/diameter. The thickness of pipe shall be 1.60 mm unless mentioned otherwise elsewhere. Conduits shall be free from all manufacturing defects etc. No tolerance in diameter as well as thickness of conduit shall be allowed. Conduit shall be of class 'B'.
- 15. Newar: Newar shall be of nylon and shall be of new white/light coloured nylon and not made out of recycled nylon. Width of nylon newar shall be 50mm.
- 16. PVC Hard Rings: These shall be of best quality and shall be of approved shape and sizes. Rubber/Bakelite rings are not acceptable.
- 17. Shellac: Shellac shall be pure varying from pale orange to yellow colour, free from resin and dirt.
- 18. Methylated Spirit: Methylated spirit shall be free from any type of contamination.
- 19. French Polish: French polish shall be of any of the following makes:-
(i) Shalimar (ii) Berger (iii) Rajdoot.
- 20. NAILS AND SCREWS
- 20.1 Iron mongry shall be fixed with steel screws, round and flat headed as required and approved by GE. Unless otherwise specified brass articles shall be fixed with brass screws. Aluminum articles shall be fixed with cadmium plated steel screws. Wooden members/articles where shown in drawings/required shall be fixed with steel wood screws conforming to IS-451. Type and size shall be as directed but shall be cadmium plated. Screws shall not be thinner than designation and of length not less than twice the thickness of boards members to be fixed. Screws and nails shall be of type and size as approved by GE.
- 20.2 Screws and nails shall be of type and size as approved by GE.
- 21. DOWELS AND PINS: - Dowels and pins for securing mortice and tenon joints where required shall be of solid bamboo of good quality.
- 22. WORKMANSHIP GENERALLY
- 22.1 The work shall be executed in workmen like manner. Every part shall be true and well fitted and shall conform to the best standard of workmanship obtainable from a high class cabinet maker.
- 22.2 Wood work shall be wrought on all faces unless otherwise specified.
- 22.3 The work "framed" as applied to wood work shall be understood as including all the best known methods of jointing wood work together by means of mortice and tenon joints, dovetailed joints or similar joints shall be applied.
- 22.4 Framed joints shall be made to fit properly without any welding /filling or making up and made so as to be hidden from view.
- 22.5 All framed wood work shall be framed & fitted together first by fevicol or other equal adhesive and then the joints pinned except for rails of bed and charpoys. Joints of tongue and grooved or rebated joinery shall be glued when putting together.
- 22.6 All framed wood work and paneling shall be put framed together at 10 mm centre. No single plank of the shelf shall be fixed, removed and replaced by the contractor.
- 22.7 Wherever indicated shelves and bearers shall be fixed with screws at 10 mm centre to centre. No single plank of the shelf shall be fixed with less than two numbers of screws at each end.
- 22.8 All wood work open to view either from top, bottom or from sides, shall be finished to a smooth, true or clean surface with sand paper. However, ends of legs such as of chairs, tables, beds charpoys etc, which are in contact with the floor shall not be sand papered.
- 22.9 Corners of articles, where indicated shall be slightly rounded.
- 22.10 The joints (except joints of panels) in wood work where not shown on drawings shall be mortice and tenon for scantling and styles and dovetailed for drawer etc.

PARTICULAR SPECIFICATIONS (CONTD...)

22.11 In length, scantlings, planks, fillets, boarding, shall be in one piece. The width of planks/boards shall be as shown on drawings where, however, width of planks is not indicated, planks shall be in one piece for width upto 30 cm of member and where width of member exceeds 30 cm, planks of equal width of not less than 150 mm shall be provided.

22.12 Particle boards, plywood, plastic laminated, conduits, etc. wherever to be used shall be in one piece. However, where members are of such size which cannot be obtained in one piece from any size of particle boards, plywood, laminated sheets etc. manufactured in the country, the member will be provided in more than one piece of equal sizes (maximum obtainable sizes) as approved by GE.

22.13 The grain/texture of teak ply/particle boards/laminated sheets shall be lengthwise or vertical as indicated on drawings or as directed by the EIC.

23.1 **FINISHING.** All articles of furniture shall be finished as described here-in-after.

23.2 **FRENCH POLISH.** French polishing shall be carried out as specified here-in-after of tint/shade as directed and approved by GE. All wooden surfaces of timber exposed to view shall be French polished if nothing else is indicated in drawings and these tender documents elsewhere.

23.3 **PREPARATION OF SURFACES.** Remove plane marks with a wood scraper and smoothen surfaces with paste and sand paper No 2, fill and stop holes with paste filler prepared by mixing plaster of paris and water to a creamy consistency and adding raw sienna in quantity required to obtain the desired colour to be base. When the surface has been dried up, wipe off and set aside for 24 hours for the surfaces to harden. Rub surfaces with sand paper No 1, until it is thoroughly smooth and then clean off.

23.4 **POLISHING.** Prepare the polish in the proportion of 1 Oz. of shellac to 4 Oz. of methylated spirit. Shellac crystals shall be washed in luke warm water, remover dirt and dried before mixing with methylated spirit. Shake the mixture, until the ingredients are completely dissolved. Take pad of cotton wool and partially saturate it with the mixture. Enclose the pad in a piece of Linen cloth and supply to the surface along the grain with light even pressure. Should the wad shows any sign of sticking, it should be slightly dipped in mustered oil. Continue rubbing until some glossy appearance is obtained. Set aside for about two hours to permit surface coat to harden. Rub surface with sand paper No '0' (Zero) to remove any raised grain. Repeat polish to the surface as before.

23.5. When a clear grained smooth surface is obtained, it would be allowed to harden for about two hours. Rub surface again with sand paper No '0' (Zero) recharge wad as before and apply with straight strokes in the direction of the grains until the required glossy surface is obtained to the approval of GE.

23.6 **POWDER COATING FINISH**

The powder coating finish to steel members shall be by pretreating with epoxy polyester powder coating 70 microns by 7 tank processes oven dried with the following specifications:-

- (a) Dry film thickness more than 45 microns.
- (b) Salt spray test to withstand more than 1000 hours.
- (c) Adhesive as per DIN 53152 standards.
- (d) Pencil scratch hardness more than 2H.

24. **PARTICLE BOARD**

Particle board where indicated shall be provided with the following specifications:-

24.1 **VENEERED PARTICLE BOARD** - Shall be solid core, exterior grade (Grade I) type I (Commercial) or type II (decorative) as specified/ indicated on drawing and shall conform to IS-12823.

24.2 **UNVENEERED PARTICLE BOARD** - Where shown/specified shall be flat pressed, three layer or multiplayer or graded type-I (FPT-I) and conforming to IS-12823.

24.3 Core of particle boards, veneered or un-veneered shall also be FPT-I conforming to IS-12823.

24.4 The adhesive used for all types of particle boards shall be Phenolic synthetic resin, BWR grade, conforming to IS-848-1947.

24.5 **PRELAMINATED PARTICLE BOARD**

Prelaminated particle board shall be exterior grade, grade I, phenol formaldehyde bonded, melamine faced, flat pressed three layered bearing IS No 3087 and IS 12823 with prelamination of approved shade as indicated on drawing or as decided by GE/AGE(I) and other side with white balancing lamination (PLA). Board shall have desired shade/texture/colour on one side with balancing white lamination on other side as approved by the GE.

24.6 Prelaminated particle board shall be provided where particle board/MDF board having decorative, laminated facing on one side has been shown in the drawings and drawings provisions shall be deemed to have been amended in this regard. Thickness of board shall be as indicated. Thickness of board indicated as 19mm in the drawing shall be amended to read as "18mm".

24.7 Board shall be ISI marked.

24.8 Make of Veneered plain particle board/Prelaminated particle board : Greenply Industries Ltd (Ply & Board division)/Kitply/Anchor/Bhutan Board/Novapan/Associate Décor

25. Knobs: - Knobs shall be of aluminium anodized dark brown or brass chromium plated.

PARTICULAR SPECIFICATIONS (CONTD...)

26. GI PIPE: - GI pipes shall be medium grade, as per IS-1239 and as approved by the GE.
27. GI FITTINGS: - GI fittings such as elbow, check nuts etc shall be ISI marked. GI elbow shall be of 3 way and check nuts shall be provided on each of long rails as directed by the Engineer-in-Charge.
28. MS FITTINGS: - MS fittings such as clamps, frame of table shall be of flat iron 25 x 3mm all as specified and directed by Engineer-in-Charge.
29. LOCK: - Lock shall be of brass and approved quality by GE.
30. GI PLAIN SHEET: GI plain sheet shall be ISI marked and 1mm thick, grade as approved by GE.
31. MIRROR: Mirror shall be made of selected quality sheet glass 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. The thickness of glass shall be 5 to 5.5mm unless otherwise shown/specified. Mirror shall be of Make: PRAYAG/ZIRCON/CERA/SAINT GOBAIN/MODIGUARD
32. TAPESTORY CLOTH
Tapestry cloth shall be of good quality (indigenous make) as approved by GE. However the cost of tapestry cloth shall not be less than Rs 350/- per meter (including taxes, discount etc.) which shall be verified and certified by GE/AGE (I) before approving sample.
33. FOAM: - Foam shall be of density as given in drawings. In case nothing is shown on drawings it shall be 40 density of required thickness as shown on drg.

**SIGNATURE OF CONTRACTOR
DATED**

**DCWE/ACWE (CONTRACTS)
FOR ACCEPTING OFFICER**

KEY SPECIFICATIONS

Sl No	Description of item	Drg No	Brief Specification	Remarks
<u>STEEL FURNITURE/TP</u>				
1	ALMIRAH LARGE WITH SHELVES STEEL	FD-1031	SIZE : Overall size shall be 1985mm x 920mm x 485mm SHEET : 1MM thick CRCA Sheet throughout as per IS Specification. LOCK : 75MM 6 lever lock of Make : Harrison/Godrej/Plaza/Link and 100MM CP handle as per drg. FINISH : All steel surfaces shall be powder coated in dual tone as per direction of Engr-In-Charge/GE. Shade/Colour as approved by Engr-In-Charge/GE. REST: All as shown in drawing(s) FD-1031 and directed by GE/ Engr-In-Charge.	
2	ALMIRAH LARGE STEEL 1/2HX1/2S	FD/E6/MAP /18	SIZE : Overall size shall be 1900mm x 910mm x 490mm SHEET : 1MM thick CRCA Sheet throughout as per IS Specification. LOCK : 75MM 6 lever lock of Make : Harrison/Godrej/Plaza/Link and 100MM CP handle as per drg. FINISH : All steel surfaces shall be powder coated in dual tone as per direction of Engr-In-Charge/GE. Shade/Colour as approved by Engr-In-Charge/GE. REST: All as shown in drawing(s) FD/E6/MAP/18 and directed by GE/ Engr-In-Charge.	
3	ALMIRAH STEEL MED	FD-1032	SIZE : Overall size shall be 1270mm x 765mm x 440mm SHEET : 1MM thick CRCA Sheet throughout as per IS Specification. LOCK : 75MM 6 lever lock of Make : Harrison/Godrej/Plaza/Link and 100MM CP handle as per drg. FINISH : All steel surfaces shall be powder coated in dual tone as per direction of Engr-In-Charge/GE. Shade/Colour as approved by Engr-In-Charge/GE. REST: All as shown in drawing(s) FD-1032 and directed by GE/ Engr-In-Charge.	
4	ALMIRAH SMALL/MED 1/2H X 1/2S STEEL	FD-1034	SIZE : Overall size shall be 1270mm x 765mm x 440mm SHEET : 1MM thick CRCA Sheet throughout as per IS Specification. LOCK : 75MM 6 lever lock of Make : Harrison/Godrej/Plaza/Link and 100MM CP handle as per drg. FINISH : All steel surfaces shall be powder coated in dual tone as per direction of Engr-In-Charge/GE. Shade/Colour as approved by Engr-In-Charge/GE. REST: All as shown in drawing(s) FD-1034 and directed by GE/ Engr-In-Charge.	
5	BED HARD	FD/E6/MAP /08(R)	PIPE : The frame shall be of rectangular/square tube of size and thickness as mentioned in drg. PLYWOOD : 12 mm thick plywood IS:303 (BWR) grade [Make : Archid /Century(prime)/Kitply(Vista)] shall be fixed with half round head SS (304) nut and bolt and washer of appropriate size. MDF BOARD : 18-19mm thick pre laminated MDF board exterior grade (Make : Green panel max/Century/Archid Ply) in colour/shade as approved by GE. 1.6 mm thick PVC edging of make Rehau/Pegasus/Kynex shall be fixed on sides with strong bonded chemical adhesive through hot pressed machine. FINISH : All steel surfaces shall be powder coated as per direction of Engr-In-Charge/GE. Colour as per direction of Engr-In-Charge/GE. SHOE: Best quality rubber shoe shall be provided. REST : All as shown in drawing(s) and as directed by Engr-In-Charge/GE.	

KEY SPECIFICATIONS

Sl No	Description of item	Drg No	Brief Specification	Remarks
6	CHARPOY IP HARDTop	FD/MAP-II/01	Size : Overall size shall be 1980mm long, 900mm wide and 440mm heigh. FRAME : The frame shall be MS rectangular/square tube of size and thickness as mentioned in drg. TOP : Top of charpoy shall be 12mm plywood IS : 303 (BWR) grade (make : Archid (Gold)/Century (Prime)/Kitply (Vista) shall be fixed on frame with suitable size half round SS screw/bolt and washer as directed. FINISH : All steel surfaces shall be powder coated as per dirn of Engr-in-Charge. SHOE : Best quality hard rubber shoes shall be provided at bottom of legs. REST : All as shown in drawings FD/MAP-II/01 and directed by GE/Engr-in-Charge.	
7	CHAIR COMPUTER	FD/E6/MAP /01	SYSTEM: SychroTilting mechanism system, Gas lift. Adjustable tilting mechanism with anti-shock back mechanism and locking shall be provided. BASE: Pedastal assy. Injection moulded in black 30% glass filled nylon, 10.5mm dia MS castor pin is of press fitted to each prong for holding the castor. It is 600mm pitch centre dia. FABRIC: Fabric shall contain the following material : Acrylic / polyester / poly-viscose / polypropylene as approved by GE. REST: All as shown in drawing(s) FD/E6/MAP/01 and directed by GE/ Engr-In-Charge.	
8	CHAIR WRITING	FD/E6/MAP /12	(i) All as per drawing (ii) All Frame work shall be of MS Tube made out of 25 mm dia 10 mm thick. (iii) Steel tube shall be made using hot rolled carbon steel sheet as per IS 1079: 2009 or cold reduced low carbon steel sheet as per IS 513: 2008. The thickness of sheet shall be 1 mm. The sheet shall be of any designation or grade as per the relevant Indian Standards. (iv) 50 mm thick polyurethane flexible foam, 90 % open cell, minimum density 40 kg per cubic meter, IFD @25% deflection use (pounds/50 square inch on 20'' X 20'' X 4'') more than 30 for seat and back cushion shall be provided. (v) 12 mm thick, 9 ply, BWR grade, AA type plywood as per IS 303: 1989 shall be provided for seat & back all as shown. (vi) PVC lipping/edging shall be provided to all exposed edges of plywood. (vii) Fabric shall be acrylic, polyester, poly propylene and colour shall be all as approved by GE. (viii) All steel surfaces shall be painted with two coats of synthetic enamel paint (grey colour) over a coat of red oxide primer. Painting shall be done with spray machine. (ix) Rubber stopper - 4 Nos	
9	CHAIR VARANDAH	FD-256	DIMENSION: The overall size of the chair shall not be less than 460mm wide,600mm deep and 355mm high upto seat from ground level and over all height 760 mm DESCRIPTION: a) The frame of the chair verandah shall be made up of 20mm dia conduit pipe of wall thickness 1.6mm. b) Seat and back of the chair shall be woven with virgin plastic cane 4mm wide and 0.6 mm thick half round in true godrej pattern weighing not less than 6 gms in ten running meters. c) PVC hard rubber toes shall be provided to each leg of chair verandah. Rest all specifications and dimensions are as per drg FINISH:-The chair shall be dry powder coated in white after preparation of surface . REST : All as shown in draings FD-256 and directed by GE/Engr-in-Charge.	

KEY SPECIFICATIONS

Sl No	Description of item	Drg No	Brief Specification	Remarks
10	LOCKER STEEL	FD-1029	(i) Locker including shelves shall be made from 1.0 mm thick CRCA sheet. All dimension shall be as shown in drawing. Locker shall be movable (not built in) (ii) All steel surfaces shall be powder coated in dual tone as per direction of Engr-In-Charge/GE. Shade/Colour as approved by Engr-In-Charge/GE. (iii) Handle of locker made of SS size 100mm shall be provided as approved by GE. (iv) The welding joints shall be filled smooth before application of primer. The surface shall be thoroughly cleaned and prepared prior to application of paint. (v) Hasp & Staple shall be made of SS Size 100x32x1.2mm. 2 Nos tower bolt of size 50mm shall be provided. The fixture shall be of best quality. (vi) Hanging rod 20mm dia SS pipe 1.6mm thick with socket,nut & washer shall be provided. (vii) Rest all as shown in drawing(s) FD-1029.	
11	LADDER ALUMINIUM	FD-1025	(i) All as per drawings. (ii) Aluminium conduit shall be made of wrought aluminium and aluminium alloy of designation 64430 and condition WP as per IS 1285: 2002. (iii) Aluminium section for stringer shall be made of wrought aluminium and aluminium alloy of designation 64430 and condition WP as per IS 733: 1983. (iv) Aluminium section/ tube shall be anodized to a bright natural, mat finish not be less than Grade AC 10 of IS 1868: 1996. (v) PVC shoes - 4 Nos	
12	TABLE FOR COMPUTER	FD/E6/MAP/03	Size : Overall size shall be 900mm long, 561.2mm wide and 750mm heigh. FRAME : The frame shall be MS rectangular/square tube of size and thickness as mentioned in drg. TOP : 18-19 mm thick pre laminated MDF board exterior grade (Make : Green panel max/Century/Archid Ply) in colour/shade as approved by GE and all edges of top shall be covered with 1.6 mm thick PVC edging of make Rehau/Pegasus/Kynex shall be fixed with strong bonded chemical adhesive through hot pressed machine. TELESCOPIC CHANNEL : Mild steel (CRC) with zinc white coating telescopic channel of appropriate size (Make- Ebco/Heppo/Zipco) as per dim of GE/Engr-in-Charge shall be provided. FINISH : All steel surfaces shall be powder coated as per dim of Engr-in-Charge. SHOE : Best quality hard rubber shoes shall be provided at bottom of legs. REST : All as shown in drawings FD/E6/MAP/03 and directed by GE/Engr-in-Charge.	
13	TEAPOY VARANDAH	FD/E6/MAP/17	SIZE:-Overall size shall be 700mm long 400mm wide and 540mm high. FRAME : Frame shall be of 18mm square MS pipe of wall thickness 1.6 mm. Base tray shall be made of 5mm dia MS bars (12X10 Nos at EQ distance) Top :- . 18-19 mm thick MDF board exterior grade (Make : Green panel max/Century/Archid Ply/National Plywood) in colour/shade as approved by GE and all edges of top shall be covered with 4mm thick teak wood beading duly french polish with high glossy finish.. SHOE : Each leg shall be provided with 18mm sq hard rubber shoe. FINISH:-The metal frame of teapoy shall be dry powder coated in black after preparation of surface REST : All as shown in drawing(s) FD/E6/MAP/17 and as directed by Engr-In-Charge	

KEY SPECIFICATIONS

Sl No	Description of item	Drg No	Brief Specification	Remarks
14	TABLE OFFICE OFFICER STEEL	FD-1003	1. Over all size shall be 1680mm x 870mm x 780mm and size of Steel frame shall be 1600 x 565mm x 740mm. 2. 04 x legs of 25mm MS Sq tube of 1.6mm thickness shall be provided as shown on drg. 3. Top of legs shall be joined together with U shaped frame of 25 x 40mm of 1mm thick sheet. 4. Three Nos drawers shall be provided on the right hand side of the tables as shown in drg. 5. A cupboard with front openable door shall be provided on left hand side of the table as shown on drg. A shelf shall be provided in the middle of cupboard. 6. Sheet : All sheet for drawer, shelf and cupboard and back covering shall be of 1mm thick CRCA sheet throughout as per IS specification. 7. TOP : Top of table shall be provided with prelaminated MDF board of 18/19mm thick of shade approved by GE (Make :- Greenply Industries Ltd/Kitply/Century/Archid ply) and standard 2mm thick PVC edging all around the top of the table shall be provided. 8. Hard rubber/PVC shoes shall be provided to all legs. 9. Lock : 50mm 4 lever lock of Make - Harrison/Godrej/Plaza shall be provided to drawers and shutter of cupboard. 10. FINISH : All Steel surfaces shall have two coats of enamel paint over one coat of red oxide primer upto the satisfaction of Engr-In-Charge/GE . Colour shall be as approved by Engr-In-Charge/GE. 11. REST: All as shown in drawing(s) FD-1003 and directed by GE/ Engr-In-Charge.	
15	TABLE STEEL 900X900X760 MM	FD-1009	SIZE: overall size shall be 900mm x 900mm x 760mm TIMBER: All wood work shall be of first class seasoned teakwood. TOP: 18-19 mm thick prelaminated MDF board exterior grade (Make: Green panel max/Century/Archid Ply) colour/shade as approved by GE All edges of top shall be covered with 4mm thick teak wood beading. DRAWER: Mild steel (CRC) with zinc white coating telescopic channel of appropriate size (Make- Ebco/Heppo/Zipco) for smooth movement as per dirm of GE/Engr-in-Charge shall be provided for drawers. POLISH: All exposed wooden surfaces shall be french polished with high glossy finish upto the satisfaction of Engr-In-Charge. REST: All as shown in drawing(s) FD-1009 and as per directed by Engr-In-Charge.	
16	TABLE OFFICE CLERK STEEL	FD-1004	1. Over all size shall be 1200mm x 610mm x 760mm and size of Steel frame shall be 1160x570x742mm . 2. 04 x legs of 25mm MS Sq tube of 1.6mm thickness shall be provided as shown on drg and Top of legs shall be joined together with 25mm MS Sq tube of 1.6mm thick . 3. Two short stiffeners and one long stiffener as shown on drg of 25mm Sq MS tube Shall be provided 130mm from bottom of legs . 4. Three Nos drawers of equal size shall be provided on the right hand side above the stiffeners of the tables as shown in drg. 5. Sheet : All sheet for drawer, and back covering shall be of 1mm thick CRCA sheet throughout as per IS specification. 7. TOP : Top of table shall be provided with prelaminated MDF board of 18/19mm thick of shade approved by GE (Make:- Greenply Industries Ltd/Kitply/Century/Archid ply) and standard 2mm thick PVC edging all around the top of the table shall be provided. 8. Hard rubber/PVC shoes shall be provided to all legs. 9. Lock : 50mm 4 lever lock of Make - Harrison/Godrej/Plaza shall be provided to drawers and shutter of cupboard. 10. FINISH : All Steel surfaces shall have two coats of enamel paint over one coat of red oxide primer upto the satisfaction of Engr-In-Charge/GE . Colour shall be as approved by Engr-In-Charge/GE. 11. REST: All as shown in drawing(s) FD-1004 and directed by GE/ Engr-In-Charge.	

KEY SPECIFICATIONS

Sl No	Description of item	Drg No	Brief Specification	Remarks
17	TABLE BED SIDE	FD/E6/MA P/15R	DIMENSION: The overall size of the table bed side 450mm x 450mm x 600mm DESCRIPTION: a) The frame shall be of 18mm square hollow pipe of 18 gauge. b) It shall be made up of 18-19 mm thick prelaminated MDF board exterior grade (Make: Green panel max/Century/Archid Ply) colour/shade as approved by GE. covered with 1.2mm thick edge beading of matching colour c) Back shall be 6mm thick commercial plywood BWR grade ISI marked confirming to IS -303 (Make : Archid (Gold)/Century(prime)/Kitply(Vista). d) Each drawer shall be provided with 2 x Nos of stainless steel telescopic channels. e) Drawer shall be provided with 100mm long 8mm dia chrome plated handles Rest all specifications and dimensions are as per drg FINISH: All metal surface shall be dry powder coated in black and all french polished with high glossy finish upto the satisfaction of Engr-In-Charge after preparation of of surface. REST : All as shown in drawing(s) FD/E6/MA P/15R and as per directed by Engr-In-Charge.	
18	BATH STOOL PVC	FD/E6/MA P/07	(i) Over size shall be 400mm long, 300mm wide and 250mm height. It should be made of 5mm thick and hard polymer plastic (Make : Nilkamal/Supreme/Cello/Brite or equivalent). 3x10 thick stiffener moulded along with the seat in single piece. Legs dia shall be 25mm. (ii) Rest : All as shown in Drg FD/E6/MA P/07.	
19	RECEPTACLE PVC	FD/E6/MA P/13	(i) Capacity of receptacle should be 20 ltrs. It should be made of thick polymer plastic Make: Cello/Brite or equivalent. Plastic container with lid and handles in bright colours i.e red/green/blue etc. (ii) Rest: All as shown in drg-FD/E6/MA P/13	

WOODEN FURNITURE

20	BIN LINEN MULTIPURPOSE	FD/E6/MA P/09	Size: Overall size shall be 1200x450x750mm. MDF BOARD: Top, sides, Shutters and bottom shall be 18-19mm thick pre laminated MDF board exterior grade (Make: Green panel max/Century/Archid Ply) in colour/shade as approved by GE. duly covered with 1.2mm thick edge beading of matching colour PLYWOOD: Back shall be 12mm thick commercial plywood BWR grade ISI marked confirming to IS -303 (Make: Archid (Gold)/Century(prime)/Kitply(Vista). Handle: 100 mm long SS handle shall be used for shutters and drawers. HINGES: Piano type hinges SS type of appropriate size and best quality shall be used for shutter and magnetic catch holder on top corner as directed by engr - in - charge. DRAWER: Mild steel (CRC) with zinc white coating telescopic channel of appropriate size (Make- Ebco/Heppo/Zipco) for smooth movement as per dirn of GE/Engr-in-Charge shall be provided for drawers. POLISH: All exposed wooden surfaces shall be french polished with high glossy finish upto the satisfaction of Engr-In-Charge. REST: All as shown in drawing(s) FD/E6/MA P/09 and as directed by GE/ Engr-In-Charge.	
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KEY SPECIFICATIONS

Sl No	Description of item	Drg No	Brief Specification	Remarks
21	CHAIR DINING OFFRS WITH CUSHION SEAT	FD/MAP-II/04	SIZE:- Overall size shall be 450mm wide x 450mm deep and 950 mm height, 450mm high up to seat TIMBER: All wood work shall be of first class seasoned teakwood. FOAM: The seat of chair shall be made of 40 density foam cushion having thickness 75mm (Make: Sleepwell/Kurl-On-Gold/Feather Foam). The cushion shall be placed and pasted on 12mm BWR plywood as per size of seat duly covered with approved tapestry cloth of rate not less than 350 per mtr. PLYWOOD: Commercial plywood 12mm thick IS:303 BWR grade [Make: Archid (Gold)/Century(prime)/Kitply(Vista)] of appropriate size shall be provided. SHOE: 20mm dia Nylon buffer/shoes shall be provided at bottom of legs. POLISH: All exposed wooden surface shall be french polished with high glossy finish upto the satisfaction of Engr-In-Charge. REST: All as shown in drawing(s) FD/MAP-II/04 and directed by GE/Engr-In-Charge.	
22	CHAIR WRITING	FD-280	(i) All as per drawings. (ii) Timber species shall be of super group as per IS 13622: 1993 and of species as mentioned in Annex A of IS: 13622: 1993. (iii) Polyethylene cane shall be Type-I as per IS 5378: 1994. 2 mm (width) X 0.40 mm (thick) polyethylene cane shall be used for seat and 3.5 mm (width) X 0.50 mm (thick) polyethylene cane shall be used for border. Polyethylene cane shall be weaved in pre-woven pattern. (iv) Polyethylene cane shall be weaved in pre-woven pattern. (v) All exposed wooden surfaces of direct vision shall be French polished to glossy finish. (vi) Other side of wooden surfaces which are not French polished or laminated shall be sand papered to smooth surface and shall be treated with one coat of varnish. (vii) PVC shoes - 04 Nos	
23	CHAIR DINING	FD-279	SIZE: The overall size shall be 440 mm (Front) ,430mm (Side), 405mm (back) and 460mm high from front and 890 mm high from back. TIMBER: All wood work shall be of first class seasoned teakwood. SHOE: 20mm dia Nylon buffer/shoes shall be provided at bottom of legs. CANING: Caning shall be done in true godrej pattern with plastic cane of 2mm wide,0.6mm thick half round with border woven with 3mm thick plastic cane. FINISH:- The chair shall be polished in high gloss french polish after preparation of surfaces, Shade/colour as approved by Engr-in-Charge/GE. REST: All as shown in drawing(s) FD-279 and directed by GE/Engr-In-Charge	
24	CHAIR EASY	FD-229	DIMENSION:- Overall size shall be 510mm long, 575mm wide and 740mm high. DESCRIPTION: a) All wood to be used shall be 1st class hard teak wood b) PVC hard rubber ring of dia 25mm shall be provided to bottom of each leg with 20mm long screws. c) caning shall be done in true godrej pattern with virgin plastic cane of 2mm wide,0.6mm thick half round gola type weighing not less than 6 gms in ten running meters with border woven with 4mm thick plastic cane. Rest all specifications and dimensions are as per drg d) POLISH: All exposed wooden surfaces shall be french polished with high glossy finish upto the satisfaction of Engr-In-Charge. REST: All as shown in drawing(s) FD-229 and directed by GE/ Engr-In-Charge.	

KEY SPECIFICATIONS

Sl No	Description of item	Drg No	Brief Specification	Remarks
25	PEG TABLE	FD-277	SIZE: Overall size shall be 450mm long, 300mm wide and 380mm high TIMBER: All wood work shall be of first class seasoned teak (hard) wood. Side rail shall be provided all around of peg table. TOP: 18-19 mm thick MDF board exterior grade (Make: Green panel max/Century/Archid Ply/National Plywood) in colour/shade as approved by GE. All edges of top shall be covered with 4mm thick teak wood beading. POLISH: All exposed wooden surfaces shall be french polished with high glossy finish upto the satisfaction of Engr-In-Charge. REST: All as shown in drawing(s) FD-277 and as directed by GE/Engr-In-Charge	
26	SOFA SET 5 SEATER	FD-373	TIMBER: All wood work shall be of first class seasoned teak (hard) wood. Sofa set will be 5 seater (3+1+1). CUSHION: It should be of size 22"x21"x4" thick of 40 density with superior quality cushion cover as per sample kept at GE office. Colour of cushion cover shall be as per sample and directed by Engr-in-charge/GE. Make: Sleepwell/Kurl-On-Goldline/Feather Foam. POLISH: All exposed wooden surfaces shall be french polished with high glossy finish upto the satisfaction of Engr-In-Charge/GE. REST: All as shown in drawing(s) FD-373 and as directed by Engr-In-Charge.	
27	SOFA SET 4 SEATER	FD-373	TIMBER: All wood work shall be of first class seasoned teak (hard) wood. Sofa set will be 4 seater CUSHION: It should be of size 22"x21"x4" thick of 40 density with superior quality cushion cover as per sample kept at GE office. Colour of cushion cover shall be as per sample and directed by Engr-in-charge/GE. Make: Sleepwell/Kurl-On-Goldline/Feather Foam. POLISH: All exposed wooden surfaces shall be french polished with high glossy finish upto the satisfaction of Engr-In-Charge/GE. REST: All as shown in drawing(s) FD-373 and as directed by Engr-In-Charge.	
28	TABLE DINING 120CM X 90CM (4 PERSON)	FD-273	SIZE: Overall size shall be 1200mm x 900mm x 750mm TIMBER: All wood work shall be of first class seasoned teak (hard) wood. TO: 18-19 mm thick Prelaminated MDF board exterior grade (Make : Green panel max/Century/Archid Ply) in colour/shade as approved by GE and all edges of top shall be covered with 6mm thick teak wood beading . POLISH: All exposed wooden surfaces shall be french polished with high glossy finish upto the satisfaction of Engr-In-Charge. REST: All as shown in drawing(s) FD-273 and as directed by GE/Engr-In-Charge.	
29	TABLE DRESSING LADIES WITH MIRROR WITH STOOL DRESSING	FD/MAP-II/07	SIZE: All dimensions, Shape and size shall be followed as per drawing TIMBER: All wood work shall be of first class seasoned teak (hard) wood. DESCRIPTION:- a) It shall be made up of 18-19mm thick pre laminated MDF board exterior grade (Make: Green panel max/Century/Archid Ply) in colour/shade as approved by GE. b) Drawers shall be provided with 2 x Nos stainless steel telescopic channels of appropriate size (Make- Ebco/Heppo/Zipco). c) Looking mirror shall be 5mm thick electro copper plated fixed over 6mm thick plywood back d) 04 x Nos heavy duty double wheel castors shall be provided at base of stools e) The seat of the stool shall be 75mm thick, 40 density foam cushion covered with best quality tapestry cloth of rate not less than 350 per mtr. FINISH: All exposed wooden surfaces shall be french polished with high glossy finish upto the satisfaction of GE/Engr-In-Charge. REST: All as shown in drawing(s) FD/MAP-II/07 and as directed by GE/Engr-In-Charge.	

KEY SPECIFICATIONS

Sl No	Description of item	Drg No	Brief Specification	Remarks
30	TABLE WRITING	FD-275	SIZE: overall size shall be 1145mm x 600mm x 760mm TIMBER: All wood work shall be of first class seasoned teak hard wood. TOP: 18-19 mm thick premalinated MDF board exterior grade (Make : Green panel max/Century/Archid Ply) in colour/shade as approved by GE All edges of top shall be covered with 4mm thick teak wood beading. Additional 2 Nos legs (same as other leg) of appropriate size at inner side of box shall be provided as per direction of Engr-In-Charge. DRAWER: Mild steel (CRC) with zinc white coating telescopic channel of appropriate size (Make- Ebco/Heppo/Zipco) for smooth movement as per dirm of GE/Engr-in-Charge shall be provided for drawers. POLISH: All exposed wooden surfaces shall be french polished with high glossy finish upto the satisfaction of Engr-In-Charge. REST: All as shown in drawing(s) FD-275 and as per directed by Engr-In-Charge.	
31	TABLE CENTRE	FD-274	TIMBER: All wood work shall be of first class seasoned teak (hard) wood. Side rail shall be provided all around of Centre Table and long stiffner in the middle of short stiffner shall be provided. TOP: 18-19 mm thick pre lamimated MDF board exterior grade (Make : Green panel max/Century/Archid Ply) in colour/shade as approved by GE and all edges of top shall be covered with 4mm thick teak wood beading duly french polish with high glossy finish. POLISH: All exposed wooden surfaces shall be french polished with high glossy finish upto the satisfaction of Engr-In-Charge. REST: All as shown in drawing(s) FD-274 and as directed by Engr-In-Charge.	
32	TEAPOY	FD-382	SIZE: Overall size shall be 600mm long,450mm wide and 540mm high TIMBER: All wood work shall be of first class seasoned teak (hard) wood. Side rail shall be provided all around of peg table. TOP: 18-19 mm thick pre laminated MDF board exterior grade (Make : Green panel max/Century/Archid Ply/National Plywood) in colour/shade as approved by GE. All edges of top shall be covered with 4mm thick teak wood beading. POLISH: All exposed wooden surfaces shall be french polished with high glossy finish upto the satisfaction of Engr-In-Charge. REST: All as shown in drawing(s) FD-382 and as directed by GE/Engr-In-Charge.	
33	TABLE DINING PERSON 6	FD-273	SIZE: Overall size shall be 1500mm x 900mm x 760mm TTIMBER: All wood work shall be of first class seasoned teak (hard) wood. TOP: 18-19 mm thick Prelaminated MDF board exterior grade (Make : Green panel max/Century/Archid Ply) in colour/shade as approved by GE and all edges of top shall be covered with 6mm thick teak wood beading. POLISH: All exposed wooden surfaces shall be french polished with high glossy finish upto the satisfaction of Engr-In-Charge. REST: All as shown in drawing(s) FD-273 and as directed by GE/Engr-In-Charge.	
34	TABLE DINING PERSON 8	FD-273	SIZE: Overall size shall be 1800mm x 900mm x 760mm TTIMBER: All wood work shall be of first class seasoned teak (hard) wood. TOP: 18-19 mm thick Prelaminated MDF board exterior grade (Make: Green panel max/Century/Archid Ply) in colour/shade as approved by GE and all edges of top shall be covered with 6mm thick teak wood beading. POLISH: All exposed wooden surfaces shall be french polished with high glossy finish upto the satisfaction of Engr-In-Charge. REST: All as shown in drawing(s) FD-273 and as directed by GE/Engr-In-Charge.	

KEY SPECIFICATIONS

Sl No	Description of item	Drg No	Brief Specification	Remarks
35	TABLE 3'X2' WITH DRAWER	FD-283	SIZE: Overall size shall be 900mm x 600mm x 760mm TIMBER: All wood work shall be of first class seasoned teakwood. TOP: 18-19 mm thick prelaminated MDF board exterior grade (Make: Green panel max/Century/Archid Ply) colour/shade as approved by GE All edges of top shall be covered with 4mm thick teak wood beading. DRAWER: Mild steel (CRC) with zinc white coating telescopic channel of appropriate size (Make- Ebco/Heppo/Zipco) for smooth movement as per dirn of GE/Engr-in-Charge shall be provided for drawers. POLISH: All exposed wooden surfaces shall be french polished with high glossy finish upto the satisfaction of Engr-In-Charge. REST: All as shown in drawing(s) FD-283 and as per directed by Engr-In-Charge.	
36	TABLE 3'X2' WITHOUT DRAWER	FD-284	SIZE: overall size shall be 900mm x 600mm x 760mm TIMBER: All wood work shall be of first class seasoned teakwood. TOP: 18-19 mm thick prelaminated MDF board exterior grade (Make : Green panel max/Century/Archid Ply) colour/shade as approved by GE All edges of top shall be covered with 4mm thick teak wood beading. POLISH: All exposed wooden surfaces shall be french polished with high glossy finish upto the satisfaction of Engr-In-Charge. REST: All as shown in drawing(s) FD-284 and as per directed by Engr-In-Charge.	

SIGNATURE OF CONTRACTOR
DATED

DCWE (CONTRACTS)
FOR ACCEPTING OFFICER