

MILITARY ENGINEER SERVICES
COMMANDER WORKS ENGINEER (NAVY) CHENNAI

NAME OF WORK: PROVISION OF FURNITURE FOR DEFICIENT SINGLE SAILORS LIVING ACCN (APPROX 157 MEN) AT INS ADYAR UNDER AGE(I) NAVY CHENNAI

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Signature of Contractor
Date :

DCWE (Contracts)
for Accepting Officer.

REGD POST WITH ACK DUE

Telephone: 25676055
email: dcwecontnchni3-mes@nic.in

Commander Works Engineers (Navy)
Military Engineer Services
INS Adyar Old Building
Fort St. George, Rajaji Salai
Chennai - 600 009

82678/ 03 /E8

04 Sep 2025

Shri/M/s _____

**PROVISION OF FURNITURE FOR DEFICIENT SINGLE SAILORS LIVING ACCN (APPROX 157 MEN)
AT INS ADYAR UNDER AGE(I) NAVY CHENNAI**

Dear Sir(s),

1. Tender documents in respect of above work are uploaded on the site www.defproc.gov.in. The tender is on single stage two cover e-tendering system. The contents of Cover I and Cover II are specified in Notice of Tender.
2. Bids will be received online by **ACCEPTING OFFICER** upto the date and time mentioned in the **NOTICE INVITING TENDER (NIT)**. No tender/ bid will be received in physical form and any tender/ bid received in such manner will be treated as non bonafide tender/ bid.
3. Bid will be opened on due date and time fixed for opening in the presence of tenders/ bidders or their authorized representatives, who have uploaded their quotation bid and who wish to be present at the time of opening the bids.
4. Your attention is also drawn to instruction on filling and submission of tender attached herewith. You may forward your points on tender documents and/ or depute your technical representative for discussion on tender/ drawings and to clarify doubts, if any, on or before bid submission start date.
5. Un-enlisted contractors are required to submit the scanned copies (in pdf file) of documents required as per eligibility criteria mentioned in instructions for filling the tender documents and Appendix 'A' to NIT along with **EARNEST MONEY DEPOSIT (EMD)** and tender fee on e-procurement portal and submit the physical documents in the office of Commander Works Engineers (Navy), Chennai-09 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.

Contd.,

6. Contractor having not executed standing security bond and standing security deposit in any MES formation shall upload scanned copy of **EARNEST MONEY DEPOSIT (EMD)** mentioned in Notice of tender and shall ensure receipt of hard copy of EMD in the office of tender issuing authority before date & time fixed for this purpose. In case of failure to abide by any of these two requirements, the finance bid will not be opened.
7. Enlisted contractors of MES shall submit the scanned copies (pdf file) of enlistment letter, tender fee and such other documents as mentioned in Appx 'A' to NIT on e-procurement portal and submit physical documents in the office of Commander Works Engineers (Navy), Chennai-09 before date & time fixed for this purpose.
8. The Contractor must ensure that the tender/ bid on the proper form is uploaded in time as the Accepting Officer will take no cognizance of any quotation/ offer received in any other electronic or physical form like email/ fax/ by hand/ through post from tenderer/ bidder even if they are received in time.
9. In view of delays due to system failure or other communication related failures, it is suggested that the tender/ bid be uploaded, if necessary, sufficiently in advance of the last due date and time fixed.
10. General Conditions of Contracts (IAFW-1815Z) (1988 Print) and errata and amendments thereto, Schedule of minimum fair wages are not enclosed with these documents. These are available for perusal in the office of AGE(I) concerned and this office.
11. Any tenderer, which proposes alterations to any of the condition, specifications laid down in the tender documents or any new condition, whatsoever, is liable to be rejected.

Yours faithfully,

Encls: - (As above)

DCWE (Contracts)
for Accepting officer

Signature of Contractor
Date:

Contd.,

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

1. EARNEST MONEY

Contractor(s) who are not enlisted with MES/who are enlisted but have not executed the standing security bond shall submit Earnest Money deposit as detailed in Notice of Tender in one of the following forms along with their tender/ bid:-

- (a) Deposit at Call Receipt from a Scheduled Bank in favour of **AGE (I) (Navy) Chennai.**
- (b) Receipted Treasury challan, the amount being credited to the Revenue Deposit of **AGE (I) (Navy) Chennai.**

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

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

2 PERFORMANCE SECURITY

- 2.1** The tenderers shall note that the successful bidder shall lodge performance security of an amount equivalent to 5% of contract sum within 28 days from the date of receipt of letter of Acceptance in the form of FDR or he may choose to submit BGB or Govt. securities (including insurance surety bonds).

2.2 Blank

2.3 Blank

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

- 2.4 If the performance Security is provided by the successful contractor in the form of a Bank Guarantee, it shall be issued by Nationalized/Scheduled Indian Bank but its confirmation shall be done only from the Head Office of the Bank.
- 2.5 Failure of the successful contractor to comply with the requirement of **clause 2.1** here-in-before shall constitute sufficient grounds for cancellation of the award of work and forfeiture of the Earnest Money. In case of MES enlisted contractor, amount equal to the Earnest Money stipulated in the Notice Inviting Tender, shall be notified to the tenderer for depositing the amount through MRO. Issue of tender to such tenderers shall remain suspended till the aforesaid amount equal to the Earnest Money is deposited in Government Treasury.
- 2.6 (i) All compensation or other sums of money payable by the contractor to the Government under the terms of this contract or under any other contract with Government may be deducted from, or paid by the sale of a sufficient part of the Performance Security or from the interest arising there from or from any sums which may be due or become due to the contractor by the Government on any account whatsoever and in the event of his Performance Security being reduced by reason of any such deduction, or sale as aforesaid, the contractor shall within ten days thereafter make good in cash or securities, endorsed as aforesaid, any sum of sums which may have been deducted from or realized by the sale of his Performance Security or any part thereof.
- (ii) Government shall not be responsible for any loss of securities or any depreciation in the value of securities while in their charge nor for loss of interest thereon.
- 2.7 In the event of contract being cancelled, under condition 26, 27&28 of General Conditions of contract, the Performance Security shall be forfeited in full and shall be credited into Consolidated Fund of India".
- 2.8 **Refund of Performance Security Deposit:** The Performance Security Deposit mentioned In Para 2.1 above (condition 14A of IAFW-1815-Z) may be refunded to the contractor after the expiration of the defects liability period (vide Condition 46 of IAFW- 1815-Z)) (Note that the defect liability period for the subject work is 06 months after the works have been handed over to the govt.) by the AGE(I) provided always that the contractor shall first have been paid the final bill and have rendered a No-Demand Certificate (I A F W-451)

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

3. GENERAL INSTRUCTIONS FOR COMPLIANCE

3.1 The bids 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 uploaded in 'pdf' form and 'xls' form as indicated.

3.2 Bids shall be uploaded on 'eprocuremes.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, corrections/ alterations shall be signed/ initialed by the lowest bidder after acceptance.

3.4 Drawings, (as applicable) 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 (as applicable) 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 the sole proprietor, scanned copy of an affidavit on stamp paper of appropriate value to this effect stating that he has authority to bind the firm in all matters pertaining to contract including the Arbitration Clause, shall be attached in 'pdf' form. In case of partnership concern or a limited company, digital signatory of the bid/ tender shall ensure that he is competent to bind the contractor (through partnership deed, general power of attorney or Memorandum and Articles of Association of the Company) in all the matters pertaining to the contracts with Union of India including arbitration clause. A scanned copy of the documents confirming of such authority shall be attached with the tender/ bid in 'pdf' form, if not submitted earlier. The person uploading the bid on behalf of another partner(s) or on behalf of a firm or company using his DSC shall upload with the tender/ bid a scanned copy (in 'pdf' form) of Power of Attorney duly executed in his favour by such other or all of the Partner(s) or in accordance with constitution of the company in case of company, stating that he has authority to bind such other person of the firm or the Company, as the case may be, in all matters pertaining to the contract including the Arbitration clause.

3.7 Even in case of Firms or Companies which have already given Power of Attorney to an individual authorizing him to sign tender in pursuance of which bids are being uploaded by such person as a routine, fresh Power of Attorney duly executed in his favour stating specifically that the said person has authority to bind such partners of the Firm, or the Company as the case may be, including the condition relating to Arbitration Clause, should be uploaded in 'pdf' form with the tender/bid unless such authority has already been given to him by the Firm or the Company. It shall be ensured that Power of Attorney shall be executed in accordance with the constitution of the company as laid down in its Memorandum & Article of Association.

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

3.8 Hard copies of all above documents should be sent by the contractor to the Tender Issuing Authority (TIA) 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 conditions 17&18 of IAFW-1815Z (General Conditions of Contract).

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 appropriate time.

3.12 The tenderer/ bidder shall quote his rate on the BOQ file only. No alteration to the format will be accepted, else the bid will be disqualified and summarily rejected.

3.13 In case the tenderer/ bidder 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 site only before the bid closing time and date.

4. REVOKATION/ REVISION OF OFFER/ OFFERING VOLUNTARY REDUCTION, AFTER OPENING OF FINANCIAL BIDS BY LOWEST BIDDER

4.1 In the event of lowest tenderer/ bidder revoking his offer or revising his rates upward/ offering voluntary reduction, after opening of Cover 2, his offer will be treated as revoked and the Earnest Money deposited by him shall be forfeited. In case of MES enlisted Contractors, the amount equal to the Earnest Money stipulated in the Notice of tender, shall be notified to the tenderer/ bidder for depositing the amount through MRO. Bids of such contractors/ bidders shall not be opened till the aforesaid amount equal to the Earnest Money is deposited by him in Govt Treasury. In addition, bids of such tenderer/ bidder and his related firm shall not be opened in second call or subsequent calls. Reduction offered by the tenderer/ bidder on the freak high rates referred for review shall not be treated as voluntary reduction.

5. CPM (CRITICAL PATH METHOD)

5.1 The 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 literatures on the subject are widely available which the tenderer / bidder may make use of.

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

5.4 Department may issue amendments/ errata on the form of CORRIGENDUM to tender/ revised BOQ to the tender documents. The tenderer/ bidder is requested to read the tender documents in

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

conjunction with all the errata/ amendments/ corrigendum, if any issued by the department and no claim whatsoever on account of any lapse or misunderstanding shall be entertained

6.0 BLANK.

7. These instructions shall form part of the tender documents.

8. The tender for the works shall remain open for acceptance for a period of **Sixty (60) days from due date of submission of the bid excluding the date of submission of the bid.**

9. In case any tampering/alteration is noticed between the documents as uploaded at the time of the bid online and the original one as uploaded by the office of the Commander Works Engineers (Navy) Chennai, then the bid submitted shall become invalid and the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money as aforesaid

11. ELIGIBILITY CRITERIA FOR

(A) **MES ENLISTED CONTRACTORS:-** The contractor shall be enlisted in the requisite class and category as mentioned in Appx 'A' to Notice Inviting Tender (NIT). Scanned copy of enlistment letter along with its enclosures shall be uploaded along with the bid.

(B) **UNENLISTED CONTRACTORS:-**

(B-1) **EXPERIENCE CRITERIA**

Past Experience of "similar nature of works" completed in last 5 years.

(a) **Three works costing not less than Rs 7.50 lakhs**

or

Two works costing not less than Rs 10.00 lakhs

or

One work costing not less than Rs 20.00 lakhs

Note:- Please submit details of "similar nature of works" executed by you financial year wise in tabular form giving name of work, Accepting Officer's details, viz, address, telephone, email etc, date of acceptance of tender and actual date of completion. It should indicate whether extension was granted or compensation was levied. Attested copy of acceptance letter and completion certificate shall be enclosed for each work. In case performance report has been given by the client same shall also be submitted duly attested.

And

(b) **Average annual turnover for last two consecutive financial years shall not be less than Rs 25.00 lakhs.**

Note : Please submit turnover certificate issued by Chartered Accountant along with relevant pages of audited balance sheets in support thereof.

**INSTRUCTIONS FOR COMPLETION OF TENDER DOCUMENTS TO BE COMPLIED
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(B-2) FINANCIAL CRITERIA

- (a) Solvent upto Rs 10.00 lakhs.
or
Financially sound for engagement upto Rs 25.00 lakhs.
- (b) Working Capital not less than Rs 5.00 lakhs.

Note:-

1. Proforma of above documents is given below. Please upload above documents issued by your Banker in Original before date and time for bid submission end date. Above certificates shall not be older than 6 months as on date for opening of technical bid. Signatory shall endorse his rubber seal, indicate his name and bank employee number, bank address particulars like full address, telephone & Fax number.
2. Alternatively Wealth Tax certificate can also be given, if available.

FORM OF SOLVENCY CERTIFICATE FROM A NATIONALISED/SCHEDULED BANK

This is certified that to the best of our knowledge and information M/s Shri/Smt _____ having proprietor / partners (Name of proprietor/partners) and address _____, a customer of our bank having A/C No is / are respectable and can be considered solvent/ financially sound for engagement upto Rs.....(Rupees..... only) issued without any guarantee or responsibility on the bank or any of the officers.

Name, Designation, personal code

Place Signature

Date No of signatory & Seal of Bank

NOTE : In case of partnership firm, certificate to include names of all partners as recorded with the Bank.

**INSTRUCTIONS FOR COMPLETION OF TENDER DOCUMENTS TO BE COMPLIED
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**FORM OF WORKING CAPITAL CERTIFICATE FROM NATIONALISED/
SCHEDULED BANK**

This is certified that M/s Shri/Smt _____ having proprietor/partners (Name of proprietor/partners) and address has/have been maintaining a saving Bank account/current account/fixed deposit account having A/C Nos. _____ with this branch of Bank since _____ and an amount _____ not less than Rs _____ (Rupees _____) has available to credit in his /her/their accounts for last three months. The firm is enjoying over draft/credit facility up to limit of Rs _____. This certificate is issued without any guarantee of responsibility on the bank or any of the officers.

Place

Signature

Name, Designation, personal code

Date No of signatory & Seal of Bank

NOTE : In case of partnership firm, certificate to include names of all partners as recorded with the Bank.

(B-3). FIXED ASSETS.

Limit of minimum reserves/total of movable or immovable property or fixed assets (in case of companies) (80% of minimum reserve/assets shall be in shape of immovable property) shall be Rs 8.00 lakhs.

Note:- (i) Please submit affidavits on non Judicial stamp paper of Rs. 100/- each duly notarized and supported by copies of present valuation certificates for both immovable and movable property separately. It should also indicate that immovable property is free from mortgages, hypothecation or any other disputes and encumbrances and clearly belongs to your firm and it should indicate that immovable property will not be sold, transferred, gifted or otherwise disposed off without prior intimation to this office.

(ii) Immovable asset value indicated should be supported by Valuation Certificate from a registered Valuer and last tax paid receipt. Report of valuation of immovable property (Other than agricultural lands, plantations, forests, mines and quarries)

(iii) Movable assets like Scooter/Car etc or NSCs/fixed deposits etc should be supported by certified photocopies of updated RC books, valid current Insurance papers, NSCs/fixed deposits.

(B-4). ENGINEERING ESTABLISHMENT. NA

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

NOTE:- Please submit affidavits on non judicial stamp paper of Rs. 100/ each duly notarized from your side having employed each engineer and from engineer side of taking your employment duly supported by attested copy of engineering degree / diploma as applicable to the individual.

(B-5). T & P / MACHINERY

(a)	Properly fitted workshop	--	01 No
(b)	Sawing machine	--	-
(c)	Planing machine	--	01 No
(d)	Machine for cutting, grooving, moulding & beading	--	01 No
(e)	Compressor for spray painting	--	01 No
(f)	Bending machines	--	01 No
(g)	Welding sets	--	01 No
(h)	Machines for screw driving	--	01 No
(j)	Drilling machine	--	01 No

(B-6) (a) **CONSTITUTION OF FIRM** :- Affidavit of Constitution of firm indicating status of firm i.e. whether it is proprietorship or partnership or limited firm.

Note: Please also upload attested copy of partnership deed in case of partnership firm. Memorandum of Article of constitution in case of limited firm.

(b) **CERTIFICATE OF RELATIVE** :- Affidavit that no near relative(s) of the contractor or their employees/agent is/are working as Gazetted/Commissioned Officer in MES/Corps of Engineer/Ministry of Defence. If his/their near relative(s) is/are working in such capacity, he/they shall furnish details. The contractor shall not be entitled to tender for the works in entire area of CE Zone/project under whose control his/their near relatives are working as Gazetted/Commissioned Officers.

(c) **CERTIFICATE OF RELATIVES** :- Affidavit that no near relative(s) of the contractor is/are working as Junior Engineer in MES/Corps of Engineer. If his near relative(s) is/are working in such capacity, the contractor shall furnish details. The contractor shall not be entitled to tender for the works in entire area of AGE(I)/AGE in which his near relative(s) is/are working as Junior Engineer.

(d) **POLICE VERIFICATION**:- Copy of police verification certificate from police authority of the area where registered office is located. Alternatively notarized copy of valid passport of proprietor/each partner/each director can be submitted.

(e) **CERTIFICATE REGARDING NO RECOVERY OUTSTANDING IN ANY GOVT DEPARTMENT** :- Affidavit to the effect that no recovery of any kind is outstanding in any Government department to be furnished.

(f) **CERTIFICATE REGARDING NO ARBITRATION/LITIGATION CASES** :- Affidavit to the effect that no Arbitration/litigation cases is outstanding in any Government department to be furnished.

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

- (g) Affidavit by firm/bidder containing details of each employed engineer in firm.
- (h) Affidavit from engineer side of taking firm/bidder employment duly supported by attested copy of degree/diploma certificate and experience certificate as applicable.
- (j) Affidavit containing details of possession and having ownership of T&P mentioned in para (B-5) here-in-above with present value of each T&P alongwith ownership details like make and year of manufacturer, certified copies of updated RC books and valid current insurance papers.
- (k) Certified true copies of PAN/TIN of proprietor, partners/firm.
- (l) Certified true copies of enlistment letters with various Govt Deptt/PSUs.
- (m) Copy of last three years Income Tax return filed.
- (n) INDEMNITY BOND:- Indemnity bond on non judicial stamp paper duly attested by Notary (on format given below) :-

INDEMNITY BOND

This bond of indemnity is executed.....on this.....day by M/s/ Shri having registered office at.....to indemnify the Govt of India of the following :-

- (a) We undertake to pay the Govt of India any damages that may be found to be recoverable on order of our contracts.
- (b) We undertake that in case Govt is put to pay any loss or disadvantage in monetary of contract by the firm which shall indemnify the Govt for each loss or disadvantage.

This bond of indemnity is executed by has signed before me. Whatever stated above is true and correct to the best knowledge and belief.

Signature of Contractor

Notary

- (o) Contractor shall get themselves registered with the Employees Provident Fund Organisation and deposit the necessary contributions with the EPFO. Further, it is a mandatory requirement that all construction workers should be provided Universal Account Number (UAN) by the contractor by appropriately registering them on the EPFO Portal. The contractor shall also ensure compliance of the EPF & MP Act, 1952 by the sub-contractors, if any engaged by the contractor for the subject work.

Contd.,

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

(p) All the Workers deployed by contractors are enrolled as members of Provident Fund and should be given the Universal Account Number (UAN).

(q) Certificate to the effect that all the workers employed directly or indirectly are registered for EPF and the due consideration have been credited into their account shall be rendered by the contractor alongwith each and every RAR/Final bill.

Note: Uploading a Scanned copy of Temporary or Permanent Provident Fund Code Number issued by Concerned authority, scanned copy of GST Registration Number in addition to other documents required shall be mandatory for Technical Evaluation. Contractor not in possession of this number will be disqualified in 'T' bid evaluation and his Finance bid will not be opened.

(r) Un-enlisted contractors will render an affidavit categorically stating that they have not been banned by any Govt Department/Semi Govt/PSU/State Govt agency for participation in tendering.

(C) FOR BOTH ENLISTED AND UNENLISTED CONTRACTORS

(C-1) Scanned copy of DD / Banker's Cheque towards cost of tender.

(C-2) Scanned copy of application of firm requesting issue of tender.

(C-3) Scanned copy of Temporary or Permanent Provident Fund Code Number obtained from concerned Authorities (Employees Provident Fund Organization).

(C-4) Scanned copy of GST Registration Number shall be a prerequisite for qualifying in 'T' bid. Contractors not in possession of this number will be disqualified in 'T' bid evaluation and his Finance bid will not be opened

12. Scanned copies of the documents as mentioned hereinbefore, as applicable, shall be uploaded by the tenderers in .pdf or .rar form in one folder alongwith their bids. The original documents shall be submitted by the bidder on or before the date and time stipulated for technical opening of bid in the sealed cover marked on outside the Name of work as per the tender documents. Failure to adhere to the above requirement will result in rejection of their bids. In case any of the tenderer does not meet the eligibility criteria or submits incomplete documents or provides false information, their technical bids will be summarily rejected and financial bid will not be opened. No claim for refund of the tender fee submitted by the tenderers in such cases shall be entertained.

13. Any firm which is banned due to slow progress in WLR or against which a Technical BOO has been ordered for defective work shall be considered automatically ineligible to quote for the tender.

14. The capability of contractor as indicated in quarterly work load return of the Department shall be also verified/checked.

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

15. DSC used by the tenderer shall be issued on behalf of the applicant firm.

Note: Contractor shall upload copies of all the above mentioned documents (as applicable) prior to closing date of bid submission.

Signature of Contractor
Date : _____

DCWE (Contracts)
for Accepting Officer

In lieu of IAFW-1815 (R)

TO BE USED IN CONJUNCTION WITH GENERAL CONDITIONS OF CONTRACT
IAFW-1815 (Z)

MILITARY ENGINEER SERVICES

Telephone: 25676055
Email: nchni3-mes@nic.in

Commander Works Engineers (Navy)
Military Engineer Services
INS Adyar Old Building
Fort St. George, Rajaji Salai
Chennai - 600 009

82678/ 03 /E8

04 Sep 2025

**TENDER AND ITEM RATE CONTRACT FOR WORKS BY MEASUREMENT IN THE
EXECUTION OF "PROVISION OF FURNITURE FOR DEFICIENT SINGLE SAILORS LIVING
ACCN (APPROX 157 MEN) AT INS ADYAR UNDER AGE(I) NAVY CHENNAI"**

1. A tenderer/Bidder who is qualified as per the eligibility criteria mentioned in the tender documents and has interalia sound past record is hereby authorized to quote the tender for the above work.
2. The tender shall be published by this office on the MES portal of www.defproc.gov.in dates can be referred in the web portal
3. All correspondence must be returned to this office whether or not the tender has been online submitted.
4. Any Correspondence concerning this tender should be addressed as indicated at the top of this sheet, quoting the reference to the tender id mentioned in the <https://defproc.gov.in> portal.

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

(Signature of Contractor)
Dated:

Signature of officer issuing the tender documents
Appointment: DCWE (Contracts)
For Accepting Officer
Dated:

Contd.,

In lieu of IAFW-1815(R)

SCHEDULE 'A'**NAME OF WORK: PROVISION OF FURNITURE FOR DEFICIENT SINGLE SAILORS LIVING ACCN (APPROX 157 MEN) AT INS ADYAR UNDER AGE(I) NAVY CHENNAI****NOTES:-**

1. The work under this tender is divided into two parts in BOQ viz
(i) Steel Furniture (Sch 'A' Part I) and
(ii) Wooden Furniture (Sch 'A' Part –II)
2. The quantities shown in Col 4 of the BoQ are approximate and are inserted for guidance only. These quantities do not constitute any guarantee of the ultimate quantities which will be ordered under the contract but variation if any shall not exceed the limit as laid down in Condition 5 of IAFW-1815 (Z) (General Conditions of contracts).
3. Tenderers are required to insert unit rates in figures under Col 6 of the BoQ against each item of schedule 'A'. The items of furniture shall be based on the drawings/sketches/pamphlets enclosed if any along with the tender documents and as specified in particular specification.
4. The rate quoted for each items under Col 6 of Sch 'A' (BoQ) shall be deemed to include all taxes and for all necessary works required for the entire completion of items as detailed in drawings and as specified in the particular specifications/key specifications.
5. **PERIOD OF COMPLETION:** The period of completion shall be as under:-
 - (a) In case, the work is accepted for both parts or any one part in favour of one contractor, the period of completion shall be **45 (Forty Five) Days** from the date of commencement as indicated in the work order.
6. The unit rate quoted by the tenderer under Col 6 of Sch 'A' (BoQ) shall be deemed to include for all labour and materials complete required for the repairs to articles of furniture, delivery and fixing in position complete of articles at the place specified.
7. The rate quoted by the tenderer shall be inclusive of all types of taxes / cesses viz GST and any other tax imposed / modified by the central / state govt during the currency of the contract. Nothing extra shall be admissible on this account. Tenderers are advised to independently ascertain the rate / percentage of goods & service tax, surcharge etc., and shall quote their rates accordingly. No claim on account of any kind on misunderstanding on this issue shall be entertained at a later date.

SCHEDULE 'A' NOTES (CONTD)

8. In BOQ (Schedule 'A') references to drawings have been made, Contractors are deemed to have studied these before quoting their rates. The drawings may be referred to in this office during working hours / days. No claim or extra payment shall be admissible on account of any misunderstanding on this account at a later stage.
9. If the materials in metric sizes shown on drawings are not available the contractor shall produce materials in equivalent FPS sizes which must not be less than the metric size dimensions under any circumstances at no extra cost to Government.
10. All the materials to be incorporated for Manufacture and supply under the contract shall bear ISI markings. If any material which is not produced with IS markings, material conforming to ISI specifications shall be used with the prior written approval of AGE(I) without any price adjustment.
11. Notes given on drawings shall be read in conjunction with key specifications (particular specifications section II). In case of varying provisions, key specifications shall take precedence.
12. All furniture articles shall be manufactured as per drawings and as specified in particular specifications. In the event of details not specifically shown in drawing or specified in the particular specifications, these shall be as per standard code of practice and as approved by AGE(I).
13. The contractor shall submit original machine numbered purchase voucher's of materials to be supplied by contractor and it shall be verified and defaced by Engineer-in-charge and also ensure that make and brand of materials must be indicated in purchase vouchers before acceptance of any materials.
14. A Board of officers to be convened by the Accepting Officer for inspection of furniture supplied by the contractor before taking over the furniture items by the Department and also before issue of completion certificate. However, this shall not absolve the responsibility of the contractor to supply the furniture articles as per the provisions contained in the tender documents. On the recommendation of the board, the board proceedings shall be concurred by Accepting Officer. Interim payment shall be made to the contractor only after concurrence of board by Accepting Officer.
15. The works shall be executed by AGE (I) Navy Chennai. The word AGE(I) or Asst Garrison Engineer (I) wherever occurs in the tender documents shall be read as Asst Garrison Engineer (I) Navy Chennai.

SCHEDULE 'A' NOTES (CONTD)

16. As per Government of India, Ministry of Labour and Employment New Delhi Circular No S.35025/02/2014 – SS II dated 15 July 2015, it is mandatory that, **Contractor shall get themselves registered with the Employees Provident Fund Organisation and deposit the necessary contributions with the EPFO. Further, it is a mandatory requirement that all construction workers should be provided Universal Account Number (UAN) by the contractor by appropriately registering them on the EPFO Portal. The Contractor has to upload Scanned Copy of Permanent or Temporary Provident Fund Code Number issued by Concerned Authority. The contractor shall also ensure compliance of the EPF & MP Act, 1952 by the sub-contractors, if any engaged by the contractor for the subject work.**
17. It is mandatory on the part of the AGE(I) that while clearing the bills/ payments (RAR) of Contractors, a certificate be obtained from the contractor that all workers employed by him directly or indirectly are registered for EPF and the due contributions have been credited into their accounts.
18. The rate quoted by the tenderer shall be inclusive of all types of taxes / cesses viz GST and any other tax imposed / modified by the central / state govt during the currency of the contract. Nothing extra shall be admissible on this account. Tenderers are advised to independently ascertain the rate / percentage of goods & service tax, surcharge etc., and shall quote their rates accordingly. No claim on account of any kind on misunderstanding on this issue shall be entertained at a later date.
19. The tenderers may quote for Sch 'A' Part I or Sch 'A' Part II or for both the parts as per their discretion. In case the contractor does not quote against any item of Sch 'A' Part I , Sch 'A' Part II , in such cases, the quoted rates for such item (s) shall be deemed to read as Rs. NIL and prices/ cost for provision of such items shall be deemed to be covered against other items of BOQ.
20. Further the total of the lowest quoted amount for each of the part of Sch 'A' i.e. for Part I , Part II separately as a whole shall be considered for acceptance of the tender of each part of Sch 'A'. In case, the tender is accepted for each part of Sch 'A' separately, the provisions applicable for other part of the Sch 'A' shall not be applicable for the accepted part of the Sch 'A' to the extent these are inapplicable.
21. Contractors special attention is invited that the tender shall be accepted as a whole or in part wise i.e Sch 'A' Part I , Sch 'A' Part II separately as per the discretion of the Accepting Officer. No claim whatsoever on this account will be accepted in any stage if the tender is to be accepted in part wise in place of as a whole. However if the tender is to be accepted in part wise, the other part of Sch 'A' including related clauses specified in special conditions, particular specifications, key specifications and list of drawings which are not required for the respective part of the Sch 'A' shall automatically be deleted from the scope of the contract and no amendments to contract agreement after acceptance of contract is required for this purpose.

SCHEDULE 'A' NOTES (CONTD)

22. In case the BOQ is revised by the deptt and the bidder has failed to quote his rates in revised BOQ (i.e. the contractor has quoted in unrevised BOQ), such Bid shall be treated as wilful negligence on the part of contractor and such Bid/Quotation shall be considered Non-Bonafide. Also necessary action against such contractor(s) shall be taken by the Accepting Officer. Further it is clarified that in such cases, lowest tender shall be determined by the lowest amount amongst the valid/bonafide bids only.

23. GST (GOODS AND SERVICE TAX ACT)

23.1 Contractor's attention is drawn to effect that GST (Goods and Service Tax Act) rolled out w.e.f 01st July 2017.

23.2 The contractor's quoted rates shall be deemed to be inclusive of all taxes/ cesses viz GST, duties, royalties, octroi and other levies payable under respective statues as applicable on the date of receipt of tender. It may be noted that any tender imposing any condition in this regard or on any other account shall be treated as a conditional tender and the same shall be liable to be rejected.

23.3 The Contractor is required to submit proof for payment of Service Tax and cess to the Department as and when demanded by AGE(I) for verification. In addition to that it is mandatory that contractor shall upload the scanned copy of GST Registration Number while submitting their Technical bid. Contractor not in possession of this number will be disqualified in 'T' bid evaluation and his Finance bid will not be opened. **Nothing extra whatsoever shall be admissible on this account. The clauses pertaining to tax liabilities wherever mentioned in the tender shall be deemed to be amended accordingly.**

24 DEFECTS LIABILITY PERIOD

24.1 Defects liability period for the subject work shall be six calendar months from the certified date of completion issued by AGE (I).

25 SCOPE OF WORK

25.1 The scope of work includes **"PROVISION OF FURNITURE FOR DEFICIENT SINGLE SAILORS LIVING ACCN (APPROX 157 MEN) AT INS ADYAR UNDER AGE(I) NAVY CHENNAI"**

Signature of Contractor
Date :

DCWE (Contracts)
for Accepting Officer.

SCHEDULE 'B'**ISSUE OF MATERIALS TO THE CONTRACTOR**

(See condition 8 of IAFW-1815-Z)

Ser No	Particulars	Rate at which materials will be issued to the contractor			Place of issue (by name)	Remarks
		Unit	Rate			
			Rs.	Ps.		
1	2	3	4	5	6	7
-----NIL-----						

Signature of Contractor
Date :DCWE (Contracts)
for Accepting Officer.

In lieu of IAFW-1815 (R)

TENDER**THE PRESIDENT OF INDIA**

Having examined and perused the following documents:-

1. Specifications signed by **DCWE (Contracts)**
2. Drawings detailed in the specifications.
3. Schedule 'A' & 'B' attached hereto.
4. General conditions of contracts, IAFW-1815-Z, (1988 print) including NIL errata and amendments 1 to 41 thereto. Standard furniture design book of E-in-C's Branch and supplements standard furniture design issued by Army HQs Engineer-in-Chief Branch, New Delhi.
5. Should this tender be accepted I/We agree: -

*(a) That the sum of **Rs. 36,225.00 (Rupees Thirty Six Thousand Two Hundred and Twenty Five only)** forwarded as Earnest Money shall either be retained in part or full as Performance Security or be refunded by the Government on receipt of the approximate amount of Performance Security as per Condition 14A of IAFW-1815 -Z.

(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 on me/us during the period as stated on page 13 commencing on the date of firm order to start the work and in respect whereof my/our tender may herein 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 to the sole Arbitration of an Engineer Officer to be appointed by the Chief Engineer, Eastern Command, Kolkata, or in his absence, the officer officiating as Chief Engineer, if specifically delegated in writing by Chief Engineer, Eastern Command, Kolkata, whose decision shall be final, conclusive and binding..

(c) Any supplies being manufactured under the provisions of this contract will be available for inspection at the premises situated at _____.

* Delete whichever is not applicable.

Contd.,

In lieu of IAFW-1815 (R)

TENDER (CONTD)

Signature ----- in the capacity of -----
----- duly authorised to sign the tender for and on behalf of M/s -----
----- (Name in Block Capitals)

Witness -----

Postal Address -----

Address -----

Email ID -----

Telephone No. -----

ACCEPTANCE

----- alterations have been made in this document and as evidence that these alterations were made before the execution of the Contract Agreement, they have been initialled by the Contractor and Shri Souvik Maity, EE(QS&C), DCWE(Contracts). The said Officer (s) is/are hereby authorised to sign and initial on my behalf of the documents forming part of this contract.

The above tender was accepted by me on behalf of the President of India in respect of Part

No(s) ----- of Sch 'A' attached hereto the prices quoted therein for the

Contract sum of Rs. ----- (Rupees -----

----- only) on -----

Signature: ----- dated this ----- day of ----- 2025.

Appointment: Commander Works Engineer(Navy),
INS Adyar Old Building,
Fort St. George, Chennai-600 009.
(For and on behalf of the President of India)

Contd.,

GENERAL CONDITIONS OF CONTRACTS**[IAFW- 1815-Z (1988 PRINT)]****FOR CONTRACT FOR MANUFACTURE AND SUPPLY OF FURNITURE IAFW- 1815(R)**

1. It is hereby agreed and declared by me/us* that the GENERAL CONDITIONS OF CONTRACTS, IAFW-1815-Z (1988 PRINT) comprising 18 pages, errata NIL and amendments 1 to 41 forming part of this contract.
2. This tender submitted by me/us* is subject to the aforesaid General Conditions of contracts, IAFW-1815-Z as amended copy of which has been supplied to me/us* and is my/our* possession and which I/WE* have read and fully understood, before submission of this tender.
3. My/Our* signature there under is in token of my/our* having accepted the aforesaid amended General Conditions of contracts, IAFW-1815-Z, (1988 Print) and the clause relating to Arbitration forming an integral part of this tender.

NOTE : General Conditions of Contracts: IAFW-1815-Z with Errata/Amendments there can be referred to, in the office of Commander Works Engineer (Navy), Chennai-09.

*Delete whichever is not applicable

DCWE (Contracts)
For Accepting Officer

Signature of Contractor
Dated:

SCHEDULE OF MINIMUM FAIR WAGES

1. It is hereby agreed that the 'Schedule of Minimum Fair wages' [SMFW] Published vide Govt of India Notification dated 14 June 1994 and as amended Subsequently from time to time by the orders of the Competent Central/State Government/local authorities form part of the tender documents.
2. Schedule of Minimum Fair Wages is not enclosed along with tender but the Contractor is deemed to have full knowledge regarding the minimum wages payable to laborers as legally effective on date of submission of tender, and his tendered rates shall be deemed to have been based on this irrespective of the fact that Gazette Notification may not have been published or that he was unaware of the increase in minimum wages. For the purpose of reimbursement of price variation [PV] clause for wage escalation of labour, the minimum wages legally effective on the date of receipt of Tender shall be the basis.
3. The minimum wage legally effective referred to above are the minimum wages Notified in Gazette/Governed by any local regulations/Central Govt. whichever is higher.
4. My/Our signature hereunder amounts to my/our having read and understood the provisioning contained therein and I/We agree that the aforesaid documents form part of this tender.

DCWE (Contracts)
For Accepting Officer

Signature of Contractor
Dated:

Note:- 'Schedule of Minimum Fair wages' referred to above is available for reference in the Office of the CWE [Navy] Fort St. George, Chennai – 09

SPECIAL CONDITIONS**1. GENERAL**

- 1.1 The following special conditions shall be read in conjunction with the General Conditions of Contracts, IAFW-1815-Z (1988 Print) and IAFW-1815 (R) including Errata/Amendments thereto. If any provision in these special conditions is at variance with that of the aforesaid documents, the former shall be deemed to take precedence there over.

2. SECURITY AND PASSES

- 2.1 The Engineer-in-Charge shall at his discretion, have the right to issue passes to control the admission of the contractor, his agents, servants and his work people to the site of the work or the place where articles of furniture are required to be delivered. The contractor shall, on demand by the Engineer-in-Charge submit a list of the personnel etc concerned and shall satisfy the Engineer-in-Charge as to the bona-fides of such people. Passes shall be returned at any time on demand by the Engineer-in-Charge and in any case on completion of work.
- 2.2 The Contractor and his work people shall observe all the rules promulgated by the authority controlling the area in which the articles are required to be delivered, e.g., prohibition of smoking and lighting, fire precautions, search persons on entry & exist, keeping to specific routes, observing specific timing etc.

3. CERTIFICATE REGARDING NATIONALITY

- 3.1 The contractor, when demanded by the AGE(I) shall produce certificate from the local civil authorities to the effect that all his employees are bonafide Indian Nationals failing which necessary action as deemed fit and as decided by the AGE(I) will be taken against the contractor.

4. PLACE OF MANUFACTURE

- 4.1 Contractor shall specify the place of manufacture of furniture in tender documents on tender page with address so that articles, are available for inspection at any time to the Engineer-in-Charge / AGE(I) or any person as nominated by the Engineer-in-Charge/ AGE(I) / Accepting Officer.

4.2 SPECIAL ATTENTION OF TENDERER/BIDDER IS INVITED TO THE FOLLOWING CLAUSES TO BE FULFILLED FOR THE SUBJECT WORK:-

(a) Manufacturers shall be required to submit the address of the premises where the furniture under the contract shall be manufactured.

(b) Furniture shall be manufactured in main manufacturer's premises/ factory and not in any dealers premises.

(c) Furniture and manufacturing material shall be inspected by Engineer-in-Charge/ Board of Officers at different stages of manufacturing in the premises/ factory of main manufacturer.

(d) Furniture items shall bear the factory's name and lot number of the manufacturer.

(e) Challans/ Bills shall be given by main manufacturer.

Contd.,

SPECIAL CONDITIONS (CONTD. . .)**5. SAMPLE OF FURNITURE**

- 5.1 The date of commencement given in the work order shall be about 15 days from the date of issue of letter of acceptance of contract to give the contractor preparatory time to arrange timber, steel and labour etc.
- 5.2 Within 15 days from the date of commencement, the contractor shall produce a sample of each components of furniture in accordance components with the contract drawings and specification and get it approved by the AGE(I) before proceeding with manufacture of furniture.
- 5.3 The time specified to produce the samples shall be got against the period of completion stated in the work order.
- 5.4 **Referred to Condition 8 of IAFW-1815 (Z) Para-5** : Approved samples shall be laid as described in this condition and shall be signed by the contractor and AGE(I) and kept under the custody of the Engr-in-Charge/ AGE(I).
- 5.5 Furniture shall be manufactured strictly in accordance with the approved samples. The samples shall be adjusted against the supplies to be made under the contract.

6 APPROVAL OF WORKS BY STAGES

- 6.1 Refer condition 21 of IAFW-1815-Z: Articles of furniture shall normally be inspected and approved by the AGE(I) and the Engineer-in-Charge appointed by him at the following stages:
- (a) **FIRST STAGE:** When timber is planed and cut into size before framing and in case of steel work when it is cut and kept ready for welding and bolting.
- (b) **SECOND STAGE:** When an article is ready in all respects except final finish i.e., before polishing and in case of steel work before painting.
- (c) **THIRD STAGE:** After the article is finally finished and is ready to be delivered.
- 6.2 Omission of inspection at any stage or inspection and approval in the initial stage not absolve the contractor from the responsibility of producing the articles in accordance with the drawings, specifications and approved samples.

7 CONTRACTOR'S REPRESENTATIVES, AGENTS AND WORKMEN

- 7.1 The contractor shall employ only Indian National as his representatives, servants and workmen after verifying their antecedents and loyalty. He shall ensure that no person of doubtful antecedents and nationality is, in any way, associated with the works. If for reasons for Technical collaboration or consideration, the employment of any Foreign National is unavoidable, the contractor shall furnish full particulars to this effect to the Accepting Officer at the time of submission of his tender. The AGE(I) shall order the Contractor to cease to employ in connection with this contract, any representatives, agents, servants and workmen or employee whose continued employment in his opinion is undesirable. The contractor shall not be allowed any compensation on this account.

Contd. . . /-

Contd.,

SPECIAL CONDITIONS (CONTD. . .)**7.2 SECURITY OF THE CLASSIFIED DOCUMENTS**

- 7.2.1 Contractor's special attention is drawn to condition 3 of General Conditions of contracts, IAFW-1815-Z. The contractor shall not communicate any classified information regarding the work either to sub-contractors or others without prior approval of Engineer-in-Charge. The contractor shall not make copies of the design/drawings and other documents furnished to him in respect of works and he shall return all documents on completion of the work or earlier on determination of the contract. Contractor shall alongwith final bills attach a receipt from the Engineer-in-Charge of his having returned the classified documents as per condition 3 of General Conditions of contract, IAFW-1815-Z.

8. ELECTRICITY

- 8.1 Electricity will not be supplied by MES.

9 WATER

- 9.1 Water will not be supplied by MES.

10 DELIVERY

- 10.1 All the articles of furniture after manufacturing as mentioned in Schedule 'A' shall be delivered at the furniture yard of AGE(I) Navy Chennai or at location as directed by AGE(I).
- 10.2 The materials of any nature will not be taken out of the site without a proper gate pass issued by the Asst Garrison Engineer (I) / Engineer-in-Charge.
- 10.3 Under no circumstances the speed limit of contractor's Vehicle inside the site will be exceeded more than 25 Km per hour.

11. BRANDING AND MARKING ARTICLES OF FURNITURES

- 11.1 All articles of furniture manufactured by the Contractor shall be identified by means of neat metallic tabs made of aluminium indicating the name of firm and the contract, number with year for each article of furniture. The size of the tab shall be 2 x 5 cm and of 1/16" thick and shall be screwed in as shown in the drawing for each articles of furniture.

12 TAKING OVER OF FURNITURE

- 12.1 A Board of officers shall be ordered by the Accepting Officer to determine the quality/ standard of materials and workmanship of furniture items / articles supplied by the contractor including supply of sample furniture as enumerated in Schedule 'A' before taking over the furniture items by the Department and also before issue of completion certificate. The item(s) rejected by the Board will be immediately returned to the contractor for replacement.

SPECIAL CONDITIONS (CONTD. . .)**13 SCOPE OF CONTRACT**

- 13.1 This contract cover the manufacture and supply of furniture as detailed in Sch 'A' Part I & Sch 'A' Part II and all as shown on drawing and described in this specification. The articles of furniture shall be manufactured strictly in accordance with drawings and as described in the specifications. Schedule of quantities wherever shown on drawing is for guidance and no extra claim whatsoever for any omission, discrepancies therein shall be entertained.

14 ISSUE OF FORM 'D'

- 14.1 Form 'D' shall not be issued by the Department in the name of contractor / firm in respect of such items/ materials required for the work, the procurement of which shall involve payment of inter State tax by the contractor.

15 PERIOD FOR KEEPING THE TENDER OPEN.

- 15.1 The tender shall remain open for acceptance for a period of **Sixty (60) days from due date of submission of the bid excluding the date of submission of the bid**

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

- 16.1 The rates quoted by the contractor shall deemed to be inclusive of all taxes / cesses viz GST, Duties, Royalties, Octroi & other levies payable under the respective statutes. No reimbursement / refund for variation in rates of Taxes, Duties, Royalties, Octroi & other levies, and/ or imposition/ abolition of any new/ existing taxes/ cesses, duties, royalties, octroi & other levies shall be made except as provided in sub para 16.2 (a) to (d) here-in-below.

- 16.2 (a) The taxes/ cesses which are levied by Govt at certain percentages rates of contract sum/ amount shall be termed as " taxes directly related to contract value " such as GST, Labour welfare cess / tax and like as applicable but excluding Income Tax. The tendered rates shall be deemed to be inclusive of all " taxes directly related to contract value" with existing percentage rates as prevailing on last due date for receipt of tenders. Any increase in percentage rates of "taxes directly related to Contract value" with reference to prevailing rates on last due date for receipt of tenders shall be reimbursed to the Contractor and any decrease in percentage rates of "taxes directly related to Contract value" with reference to prevailing rates on last due date of receipt of tenders shall be refunded by the Contractor to the Govt/deducted by the Government from any payments due to the Contractor. Similarly imposition of any new "taxes directly related to Contract value" after the last due date for receipt of tenders shall be reimbursed to the Contractor and abolition of any "taxes directly related to Contract value" prevailing on last due date for receipt of tenders shall be refunded by the Contractor to the Govt/deducted by the Government from the payments due to the Contractor.

- (b) The contractors shall, within a reasonable time of his becoming aware of variation in percentage rates and/or imposition of any further "taxes directly related to Contract value" give written notice thereof to the AGE(I) stating that the same is given pursuant to this Special Condition, together with all information relating thereto which he may be in a position to supply. The Contractors shall also submit the other documentary proof/ information's as the AGE(I) may require.

SPECIAL CONDITIONS (CONTD. . .)

- (c) The contractor shall, for the purpose of this condition keep such books of account and other documents as are necessary and shall allow inspection of the same by a duly authorized representative of Government, and shall further, at the request of the AGE(I) furnish, verified in such a manner as the AGE(I) may require, any documents so kept and such other information's as the AGE(I) may require.
- (d) Reimbursement for increase in percentage rates/ imposition of "taxes directly related to Contract value" shall be made only if contractor necessarily and properly pays additional "taxes directly related to Contract value" to the Government, without getting the same adjusted against any other tax liability or without getting the same refunded from the concerned Government Authority and submits documentary proof for the same as the AGE(I) may require".

17. PRODUCTION OF VOUCHER

- (a) The contractor shall produce on demand original receipted purchase voucher to the AGE(I) in respect of all materials & articles incorporated in the work.
- (b) The material such as steel & proprietary material like paints, polish and the like which lose their identify and cannot be measured after incorporation in the work shall be recorded in the measurement book and signed by the contractor and Engr-in-Charge as a check to ensure that the required quantity of material has been brought for incorporation in the work.

18. SCHEDULE OF QUANTITIES

- 18.1 The schedule of quantities shown on the drawings are for guidance only. The accuracy of the scheduled quantities is however not guaranteed. No claim whatsoever from the contractor on account of any inaccuracies or otherwise in the said schedule of quantities shall be entertained by department.

19. SIGNING OF TENDER

- 19.1 The person signing the tender on behalf of another partner or on behalf of a firm shall attach with the tender a proper power of attorney duly executed in his favour by such other person or by all the partners, stating that he has authority to bind such other person(s) or the firm as the case may be in all matters pertaining to the contract including arbitration clause

Signature of Contractor
Date :

DCWE (Contracts)
for Accepting Officer.

PARTICULAR SPECIFICATIONS**1. GENERAL**

- 1.1 The sizes of furniture items referred to as approximate in some of the drawings shall be considered as firm. The overall sizes shall be maintained as shown in the drawings.
- 1.2 The quantities reflected on some of the drawings are only for the guidance of the tenderer (s).

2. SCOPE OF WORK

- 2.1 This contract covers the manufacture and supply of articles of furniture all in according with Schedule 'A', Particular Specifications Section – I and Section – II and drawings.

3. WORKMANSHIP

- 3.1 Workmanship shall be of the highest quality as expected from high class cabinet makers. The AGE (I) decision shall be final as to whether or not the workmanship is of the required standard.
- 3.2 Unless otherwise specified all timber shall be wrought finished smooth and shall have corner and edges rounded substances, to hide faulty joints, bad workmanship or poor timber shall not be permitted.
- 3.3 Unless otherwise specified all dimensions of member shall be of finished sizes. A tolerance of 1.00 mm shall be allowed for each wrought face. No tolerance shall, however, be allowed to wrought faces of timber boarding of thickness 12 mm and below which shall be the finished thickness. No tolerance is allowed for particle boards with or without veneers. The contractor shall maintain the overall sizes of furniture as shown on drawings.
- 3.4 All framed joints mortices, tenons, tongues, grooves rebating, wedging, dove tailing plugging etc shall be executed as shown on drawings and in the best workmanship like manner. All joints shall be well fitted and glued and pinned with solid bamboo pins or screwed as shown on drgs. Corner joints between boards either alongwith grains or across grains in as shown on drawings. In no case, such corners / connections shall be butt jointed. Joints for other surfaces unless screws at distances not exceeding 10 cm. Dowels, Nails shall not be used in any part of the furniture either exposed or covered.
- 3.5 Workmanship on particle boards shall be strictly in accordance with manufacturer's instructions.

4. MATERIALS

- 4.1 The materials used in making the articles of furniture shall be the best of their respective kinds conforming to be new, the best of their respective kinds conforming to relevant IS and shall be in accordance with the drawings and specifications. Materials shall be as per the samples kept in AGE (I) office where IS / BS is not available for the particular materials.

PARTICULAR SPECIFICATIONS (CONTD)**5. TIMBER**

- 5.1 Timber specified in key specification shall be used irrespective of any notes to the contrary given in the drawings. Timber of all articles shall be well-seasoned Indian Teak Wood (Tectona Grandis) 1st class hardwood with moisture content less than 8 % permissible as per IS: 28-1973. Contractor shall arrange species test of wood at Govt approved lab by BOO and shall have well calibrated digital manufacture meter on ground.
- 5.2 All timber shall be of approved quality, fully seasoned, uniform in texture, free from shakes, knot, dots, cracks, loose or decayed knot bore holes, soft spores and other defects or blemishes, knot upto ¾" dia may be accepted if they are not likely to become loose or dead.
- 5.3 Timber surfaces to receive mixture of bees wax and linseed oil/ vanish/ French polish/ paint shall be made smooth by sand papering.
- 5.4 Boards, planks and scantlings shall be in one piece unless otherwise shown on drawings or as specified in specification. However, where width of plank exceeds 25cm jointing will be permitted by making the planks with equal width of panels each shall not be less than 15 cm/ half the total width.
- 5.5 Boards, planks and scantling shall be straight, square and planed true and smooth to the dimensions shown on the drawings. Matched joints for widening panels of 20mm thick and less shall be rebated and for panels over 20mm thick shall be tongued and grooved.

6. CANE

- 6.1 Superior quality plastic slats (strip) 2mm wide for general canning and not less than 3mm wide for the periphery of canning work shall be used. The thickness of the cane shall not be less than 0.40mm thick.

7. SCREWS

- 7.1 Screws (Steel, Aluminium and Brass) shall be of approved make and to the required length and gauge. Brass screws shall be used for fixing brass fittings and aluminium screws for fixing aluminium fittings. Screws to secure and fix wooden members shall be counter sunk particularly those in external surface which are to be well set before applying the finishing treatment.

8. PLYWOOD

- 8.1 Plywood shall comply with IS: 303-1960, Specification for plywood general purpose (Revised) and shall be of grade BWR and type AA.

9. **OIL** : An approved quality double boiled linseed oil shall be used in oiling where specified.

10. **PLASTIC LAMINATED SHEET** : Plastic laminated sheet shall be decorative of approved design/ colour 1.0mm thick from approved manufacturer and conforming to IS: 2046/95 of brand Greenlam, Kitlam, Novapan

PARTICULAR SPECIFICATION (CONTD)**11. PARTICLE BOARD**

- 11.1 Unless specified otherwise particle board shall conform to the requirement of IS-3087. Adhesive used for bonding of particle board shall be BWR type phenol formaldehyde synthetic resin adhesive. The particle board shall be exterior grade with solid core, flat pressed single layer type. Decorative particle board shall conform to the requirement of IS-3097. This shall have decorative choice veneers on one or both faces as specified or directed.

12. PRE-LAMINATED PARTICLE BOARD

- 12.1 Unless specified otherwise melamine faced pre-laminated particle boards shall conform to the requirements of IS: 12823. These shall be type I quality, exterior grade. Adhesive used for bonding of particles shall be BWR type phenol formaldehyde synthetic resin adhesive. The pre-laminated particle board shall be ISI marked on the edge.

13. MEDIUM DENSITY FIBRE BOARD

- 13.1 MDF board wherever shown on the drawing or as specified to be provided as per key specification shall conform to IS : 14587 Gde-I (Exterior) Grade of board shall be exterior grade phenol formaldehyde synthetic resin bonded designate EGSB
- 13.2 Where plywood, particle board, MDF board of the thickness specified or indicated on the drawings are not manufactured or are not available, then the next higher thickness as manufactured as may be available shall be used, without any extra cost to the Govt. Particle board, MDF board, plywood wherever required shall be in one piece.

14. BLANK

15. BLANK

16. TEAK WOOD EDGING

- 16.1 Irrespective of what is shown on drawings thickness of teak wood edging to particle boards shall be 4 mm thickness. Workmanship shall be strictly in accordance with manufacturer's instruction.

PARTICULAR SPECIFICATION (CONTD)**17. IRON AND STEEL WORKS**

(a) All iron and steel required for the work shall be arranged by the contractor, shall be of Fe- 410-O grade and shall conform to IS-1977. In case the steel section given in the drawings to be arranged by the contractor are not available in the market, the contractor may use next higher section without any extra cost to the Government but with prior approval of the GE. Steel work referred to in specifications shall also include steel tubular work. Tubes/pipes shall be mild steel black as specified in particular specifications Section-II and shall be of medium grade.

(b) All forging and framing shall be neatly and soundly made to the dimensions given in the drawings. Rivet holes shall be drilled unless ordered to be punched. Drilling, punching, forging, riveting etc shall be done in the sound and workman like manner. Rivets shall be truly shaped and hammered red hot so as to give a tight fit and shall have round heads.

(c) Welding to steel conduit as well as the steel and iron works where shown on drawings shall be gas or electric type at the discretion of contractor. Welding shall be done by trained and approved welders in accordance with IS-816 for electric arc welding and IS-1923 for gas welding. The welding shall run continuously along/around the joints.

18. POWDER COATING FINISH

18.1 The powder coating finish to steel members shall be by pretreating with epoxy polyester powder coating (black) 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.

19. WELDING

19.1 Welding shall be done metal arc process in accordance with IS-816 and IS-9595. Electrodes shall be as per IS-814 and shall be of standard quality. The mechanical properties of the weld deposit shall be such as to satisfy all the requirements tensile strength, elongation and impact strength of parent metal. Welding shall be carried out by qualified experienced fully trained and welders as approved by GE. Defects in welds shall be rectified as per instructions of Engineer-in-Charge. All welds shall be clean of slag or other deposits after completion. All welded joints shall be neatly filed to the satisfaction of the GE before applying the priming coat of paint.

20. CONDUIT TUBES / SQUARE TUBES

20.1 Conduit tubes / square tubes wherever indicated in the drawings shall be of mild steel 1.6 mm thick unless otherwise mentioned & the size shall be all as shown on drawings / specified. Lengthen joints in tubes shall not be permitted.

PARTICULAR SPECIFICATION (CONTD)**21. PAINTING**

- 21.1 The contractor shall inform the AGE (I) within 15 days of the acceptance of the tender, the names of the manufacturers and brands of paints he will use in the works and submit samples thereof and obtain prior written approval of the AGE (I) before their use in works.
- 21.2 The contractor shall when so required by the AGE (I) produce certificate from the manufacturers or their representatives to establish that the brands of paints purchased by the contractor from them satisfy the requirements of the relevant Indian Standards or superior in the quality specified in the relevant IS specification.
- 21.3 The contractor shall ensure that the paints used are actually that have been approved by AGE (I).
- 21.4 Paints for priming coat, under coat and finishing coat shall be of the same manufacturer.
- 21.5 Tint of paint unless otherwise specified shall be approved by the AGE(I).
- 21.6 The paints shall be synthetic enamel unless otherwise specified in the drawings or specification Part-II. The primers shall be pink primer in case of wood and wood based surfaces and red oxide in case of steel surfaces. Painting to steel surfaces shall be with sprayers.

22. FINISH**22.1 PREPARATORY WORK**

- 22.1.1 **GENERAL** : All surfaces whether steel or wood shall be sand papered. The surface of furniture shall receive setting & stopping before finishing with polish.
- 22.1.2 **KNOTTING** : Patent knotting to consists of two coats of varnish made by dissolving shellac in methylated spirit of wine.
- 22.1.3 **STOPPING**: Beam mountage made as follows:-
- (a) Common shellacs one cup full.
 - (b) Powdered resin one teaspoon full.
 - (c) A piece of Bees wax about half the size of walnut.
 - (d) Powdered lemon chromic or other coloring matters to match teak one teaspoon full.
- 22.1.4 All the above ingredients to be heated in iron pot until they melt and stirred with a stick or rod till mixed properly. It can be used either in sticks and applied with the aid of hot iron or it can be used in melted state, with a hot spoon. When quite hard, clean with a sharp chisel and plane and finish with glass paper.

PARTICULAR SPECIFICATION (CONTD)**22.2 FRENCH POLISH**

- 22.2.1 **PREPARATION OF SURFACES:** Remove plane marks with sand paper No.2. Fill and stop pore holes with paste filler preparation by mixing plaster of paris of panes and water to creamy consistency and adding raw sienna in quantity required to obtain the desired colour of the bars.
- 22.2.2 When the surface dries up wipe off super bolus filler and set aside for 2 hour for the surface to harden. Rub surface with sand paper NO 2/2 until it is thoroughly smooth and cleaned.

22.3 POLISHING

- 22.3.1 Preparing a solution of methylated spirit. Shellac crystal shall be washed in luke warm, water to remove dirt etc... and dried before use. Shake the mixture until the ingredients are completely dissolved. Take a wad of cotton wool and partially saturate it with a mixture thus prepared. Enclose the wad in piece of linen cloth and apply to the surfaces alongside at the grain with light even pressure. If the wad shows any sign of sticking it should be lightly dipped in mustard oil continue rubbing until a thickly coated semi glass surface is attained.
- 22.3.2 Starriest for about 2 hours to permit surfaces to harden. Rub surfaces with sand paper No. 1 to remove any raised grain. Repeat polish to surfaces as before. When a clear grained smooth surfaces is obtained, it should be allowed to harden for about one hour.
- 22.3.3 Rub surface again with No. "O" sand paper recharge wad as before and apply to the surface in circular motion until the whole surface is covered over. Change the wax with methylated spirit and apply with straight strokes in direction of the grains until the required gloss to the approval of the Engr-in-Charge is obtained.
- 22.3.4 French polish shall be applied to articles in various surfaces as specified against each individual item indicated in Key Specifications hereinafter.

22.4 VARNISH: Varnish shall be as per the following specifications:-

- 22.4.1 Clean the surface of all the foreign matter. Rub down with fine sand paper and dust off. Stop holes, crevices, etc with putty. Size the surface with a thin clean glue size applied hot when dry rub down smooth with sand paper. Stain to the required tint. Apply one coat of under counting and flattening varnish allows time to harden and flat down. Apply second coat of under finishing varnish just as it comes from the, taking care to brush it out evenly and avoiding laying it on to, thickly, laying gong clean sweeps of the brush without going over the work too often. Trim edges prevent runs and hobs. Clean with well worn brush. The work should be free from loose hair and brush marks.

PARTICULAR SPECIFICATION (CONTD)**22.5 BEES WAX POLISHING**

22.5.1 Clean the surface with smooth sand paper, 3 ½ lbs of bees wax shall be slowly heated over a fire and when melted mix with one gallon on turpentine oil. Polishing shall be more brisk and prolonged till the surfaces is glossy and polished to the approval of Engr-in-Charge.

22.6 **OILING:** The oil shall be prepared by mixing and heating 1 lb of bees wax with 4 pints of boiled linseed oil until the wax melts. After the mixture has cooled 2/3 pints of turpentine shall be added in and well stirred. This mixture shall then be applied to the wood work in two coats and well rubbed with cotton wade until glossy finish is achieved and surfaces are uniformly smooth. The bees wax shall be clear and of superior quality.

23. VOUCHERS

23.1 Contractor shall produce original printed and machine numbered priced vouchers in respect of approved materials brought and incorporated in the work to Engineer in charge for verification. Copies of these vouchers duly defaced by the Engineer in charge shall be kept in record by AGE (I) and shall be submitted with final bill at the time of technical check of final bill.

24. ISI CERTIFIED MATERIALS

24.1 Proprietary materials bearing ISI marking will be given preference over non certified goods even through the manufacturers of the later materials claim that the products confirm to ISI specifications.

25. INDIAN STANDARDS

25.1 Wherever reference is made to any IS in the Particular specification or on the drawings, it means the edition with all amendments up to the date of issue of tender documents.

26. SUPPLY AND DELIVERY OF FURNITURE

26.1 The articles of furniture may be manufactured at the contractor's own workshop(s) at location (to be intimated by contractor in writing) and shall have to be transported under his own arrangements to the furniture yard in unpolished and unpainted stage or at place(s) of supply stated in notes to Price Schedule (Item Rate BOQ).

26.2 Contractor shall obtain a "Certificate of Approval" to the articles of furniture brought in each consignment from the AGE(I) before proceeding further with painting, polishing etc. Department shall not give any assistance in providing railway wagons etc.

PARTICULAR SPECIFICATION (CONTD)

26.3 Any articles of furniture which in the opinion of the AGE (I) has been manufactured with unsound materials, unskilled workmanship or does not comply with the drawings, specifications will be rejected and the contractor at his own cost shall within a reasonable time as required by the AGE (I) replace / make good such rejected articles of furniture not withstanding whether they had been previously accepted inadvertently by the department. The decision of the AGE (I) in these regards shall be final, conclusive and binding on the Contractor

27. IDENTIFICATION LABEL

27.1 The contractor shall be required to affix a metallic label of size 50mm x 20mm indicating the 'Contract number' and the 'Name of the Firm' on each article supplied by him. The label shall be fixed with suitable brass screws to timber furniture and with coach screws riveted/ pasted with synthetic adhesive/ welded at the option of the contractor to steel items. The label shall be fixed at a place not directly visible as decided by the AGE (I). The letters/wording shall be pressed engraved and not painted.

28 LIST OF MAKES :-

Sl No.	Description of item	Name of Manufacturers
1	Synthetic enamel paint	Luxol (Berger Paints)/ Borolac (Jenson & Nicholson)/ Superlac (Shalimar Paints)/ Nerolac (Goodlass-Nerolac)/Apco Lite (Asian Paints)
2	Red oxide primer	Asian paints (Structural steel primer/Janson Nicholson) (Structural Steel primer)/Goodlass Nerolac (Nerolac Zinc Chromate primer)/British paints.
3	French polish	Sheenlac/ Shellac
4	Particle Board	Novapan / Kitply / Greenlam / ECO Board / Anchorlam
5	Decorative laminated sheets.	Sun Gloss/Formica/Sunmica /Backlyte Hylum /Eco board
6	Ply wood	Kitply/ Green Ply/Anchor/Mysore chip board/Century ply wood.
7	Lock	Godrej or Equivalent approved by AGE(I).
8	GI Pipe	Tata / Jindal /Zenith/ Swastik / Prakash
9	Mirror Looking	Atul/Swastik/Saint Gobain/Modiguard
10	MS Pipes	Tata/ Swastik / Prakash / BST / Zenith / Jindal/ Apollo / Nezone / Tata Steel BSL Ltd
11	MS Sheet	SAIL/RINIL/TISCO/JSW
12	PVC Seat/back	Nilkamal/Sintex/Amko/Brite/Blowplast
13	Moulded poly urethane foam	U-foam/Cool foam/Sleep well/Kurlon/Duroflex
14	Glass	Atul products Pvt Ltd/Kohinoor/Hindustan Glass/Gold fish/Commander /Saint Gobain/ Modiguard

Signature of Contractor
Dated:

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for Accepting Officer

Contd.,

26 LIST OF DRAWINGS

The following standard drawings are forming part of the tender documents. Copies of standard drawings are not enclosed with the tender and the tenderers are requested to refer these drawings before quoting the tender.

S. No	Description	Drg No	Sheet No	Date	Revised Date	Remarks
1	2	3	4	5	6	7
	<u>STEEL FURNITURE</u>					
1	Charpoy IP with hard top	FD/MAP-II/01	1/1	08/7/2011		
2	Chair writing MAP	FD/E6/MAP/12	1/1	18/10/2006		
3	Almirah Medium Steel	FD-243	1/1	29/9/93		
4	Chair CB Steel	FD/120	1/1			
5	Couch Examination Massage	FD/122(M)	1/1			
6	Form with back 1800 x 490 x 900mm	FD/78(M)	1/1			
7	Bedstead Iron Hospital	HFD-2001	1/1			
8	Receptacle PVC	FD/E6/MAP/13	1/1	18/10/2006		
9	Screen Movable	HFD-2015/83(M)	1/1			
10	Rack side three space steel	FD/1023	1/1			
11	Step Steel 2 tier	FD/131(M)	1/1			
12	Stool adjustable(Stool revolving)	FD/354/1026	1/1			
13	Stool steel 305 x 305 x 610mm 2' high	FD/81	1/1			
14	Locker Bed Side Steel	FD-1029	1/2 & 2/2	22.08.90		
15	Table office officer steel 1680x870x760mm	FD-1003	1/2 & 2/2	29.09.1993		
16	Table Tubular SS top	FD-119(M)	1/1			
17	Rack Steel Adjustable 3 tier	FD-106	1/1			
18	Bed stead fowler	HFD-2002	1/1			

	<u>WOODEN FURNITURE</u>					
1	Chair wooden bottom w/o arms	FD-285	1/1			
2	Table 600 x 600 x 760mm	FD/293	1/1			
3	Table 3' x 2' without drawer	FD/284	1 / 1	02/12/88		
4	Board Notice 8' x 4'	FD/99(M)	1 / 1			
5	Chair Easy	FD-229	1 / 1	21/07/1980		
6	Peg Table	FD-384	1/1	22/8/90		
7	Table Centre 900x450X400mm	FD-274	1/1	02/12/88		

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PARTICULAR SPECIFICATION SECTION I (KEY SPECIFICATIONS)
SCHEDULE 'A' PART I (STEEL FURNITURE)

1. CHARPOY IP WITH HARD TOP : FD/MAP-II/01

- (i) Provide Charpoy IP with Hard Top all as shown on drawing and as specified.
- (ii) MS tube leg shall be made out of 32mm x 32mm 16 (gauge) thick.
- (iii) Top shall be of 12mm thick, commercial type BWR grade plywood and termite resistance. The edges of plywood shall be fixed with 4mm thick teakwood beading all as directed by the Engr-in-Charge.
- (iv) Stiffeners shall be of MS tube 25mm x 25mm (16 gauge) thick.
- (v) All the mild steel surfaces after fabrication conforming to IS-1477 (Part-I) and finished with epoxy polyester powder coating of approved colour of indigenous make conforming to IS-13871. The thickness of coating shall be not less than 70 Micron (7process) when wet and oven dried
- (vi) All joint/welding/fixing shall be done in accordance with standard workmanship and specification.
- (vii) Hard rubber/ PVC/ rings/ Shoes of approved quality shall be provided to the legs all as directed by the Engr-in-Charge.

2. CHAIR WRITING (DRG NO FD/E6/MAP/12) :-

- (i) Frame of chair shall be made of 25 mm x 10 mm MS rectangular pipe.
- (ii) Arm rest shall be in one piece made of integral skin polyurethane with 75-85 shore 'A' hardness and reinforced with mild steel insert, scratch and weather resistant having slope towards front. Back and seat shall be in one piece consisting of polyurethane foam 50 mm thick moulded with density 50 - 55 Kg / Cum and hardness 20 +/- 2 Kg on Hampden machine.
- (iii) Back foam shall be designed for extra comfort and 120 mm thick hot pressed plywood upholstered with fabric ranging not less than Rs. 400.00 / Sqm and moulded polyurethane foam with PVC lipping all round. Fabric shall be consisting of Acrylic, Polyester and Polypropylene of various colours. Legs of chairs shall be provided with hard rubber shoe.
- (iv) All the mild steel surfaces after fabrication conforming to IS-1477 (Part-I) and finished with epoxy polyester powder coating of approved colour of indigenous make conforming to IS-13871. The thickness of coating shall be not less than 70 Micron (7 process) when wet and oven dried. PVC shoe shall be fitted to legs of superior quality as approved by GE.

3. ALMIRAH MEDIUM STEEL: FD-243

- (i) Provide Almirah Medium Steel all as shown on drg and as specified.
- (ii) MS Sheet shall be of 1.00 mm thick (nominal sheet)
- (iii) Channel sheet shall be of 1.00 mm MS Sheet and curved all as shown on drawing.
- (iv) Shutters shall be provided with chromium plated handle 125mm long.
- (v) Provide 3 way locking device made out of 10 mm dia MS Rod with MS plate. 6 lever lock shall be of 65 mm and be provided with keys in duplicate duly approved by GE.
- (vi) All joints/welding/fixing shall be done in accordance with standard workmanship and specification.
- (vii) All steel surfaces (both internal and external) shall be provided with two coats of synthetic enamel paint of smoke Grey by spray machine conforming to IS and approved by GE, over a coat of red oxide primer

5. RECEPTACLE PVC : FD/E6/MAP/13

- (i) Provide Receptacle PVC all as shown on drawings and as specified.
- (ii) Receptacle shall be of covered plastic container of 20 litre capacity made with thick polymer plastic alongwith lid and handles. Receptacle shall of bright colours i.e. Red, green, blue etc as approved by GE .
- (iii) Receptacle shall be of make Blow plast/Neel Kamal/ Supreme/Cello/ Polyset/Brite/ Syntex .

6. LOCKER BED SIDE STEEL: FD-1029

- (i) Steel sheet shall confirming to relevant IS and procured from the main producers of Steel like RINL, TATA, SAIL etc as approved by AGE(I)
- (ii) Steel Locker, shelves, legs shall be made out of 1mm nominal thick black Steel sheet all as shown in drawing.
- (iii) Chromium plated steel handle 100 long shall be provided to the locker.
- (iv) Chromium plated safety type 75x40x3mm size hasp & staple shall be provided to the door shutters.
- (v) 20mm dia chromium plated steel conduit pipe 1.6 mm thick which socket shall be provided as shown in the drawing.
- (vi) All joints/welding/fixing shall be done in accordance with standard workmanship and specification.
- (vii) All steel surfaces (both internal and external) shall be provided with two coats of synthetic enamel paint of smoke Grey by spray machine conforming to IS and approved by GE, over a coat of red oxide primer

7. TABLE OFFICE OFFICERS (STEEL) – FD-1003

- (i) Provide table office officers all as specified and shown on drawing.
- (ii) Table top shall be of 18mm thick pre laminated particle board all as specified hereinbefore.
- (iii) All the mild steel surfaces after fabrication conforming to IS-1477 (Part-I) and finished with epoxy polyester powder coating of approved colour of indigenous make conforming to IS-13871. The thickness of coating shall be not less than 70 Micron (7 process) when wet and oven dried rest all as per drawings.
- (iv) 4mm thick teak wood edging shall be provided all round the table top duly polished glossy finish.
- (v) Frame shall be of 25mm square MS tube 1.6mm thick.
- (vi) Drawers shall be made to shape with 1mm thick MS sheet all as shown on drawing.
- (vii) Locks shall be “Godrej” with duplicate key made out of Non corrosive metal conforming to ISI but not ISI make.
- (viii) All joints fixing shall be done in accordance with standard Workmanship and specification.

PARTICULAR SPECIFICATION SECTION I (KEY SPECIFICATIONS)
SCHEDULE 'A' PART I (STEEL FURNITURE)

8. PEG TABLE: FD -384

- (i) All dimensions, shape and size shall be as shown on drawings and as specified.
- (ii) All woodwork shall be of well-seasoned 1st class teak wood.
- (iii) Irrespective of what is shown on drawings, top of peg table shall be of 18mm thick pre-laminated particle board (one side teak shade and other side white)
- (iv) All exposed surfaces of woodwork shall be French polished.
- (v) Hard rubber / PVC rings shall be screwed to the bottom of each leg.
- (vi) All joints fixing shall be done in accordance with standard workmanship and specification.
- (vii) Provide 4mm teak wood edging all around.
- (viii) Irrespective of what is shown on drawing a Stiffener of 20x50mm shall be provided between the bottom rails of the peg table

9. CHAIR EASY: FD-229

- (i) Provide chair easy all as shown on drg and as specified.
- (ii) All timber shall be First Class HW (Teak Wood), (Tectona Grandis) well-seasoned and free from cracks, bends and knots.
- (iii) Weaving holes shall be at 12.5mm centre to centre.
- (iv) Plastic cane shall be of 1.8mm for seat and back and 3.5mm for border and shall be of white colour. The weaving shall be done as per Godrej Pattern.
- (v) All exposed surfaces of timber direct to view when placed in normal position shall be french polished to give a glossy appearance/finish.
- (vi) Arm rest shall be rounded all as shown on drawing.

10 Table Centre (900 X 450 X 400 MM) : FD-274

- (i) Provide table Center all as shown in drawings and as specified.
- (ii) All timber frame work shall be 1st class hardwood teak (tectona grandis) well-seasoned and free from cracks, bends and knots.
- (iii) Table top shall be 18mm thick prelaminated particle board with PVC lipping all as specified herein after. 4mm thick teak wood edging shall be provided alround
- (iv) All timber surface exposed to direct view (when the item is placed in normal position) shall be french polished to achieve a glossy finish. The unexposed surfaces of frame shall be smoothened with sand paper.
- (v) Hard rubber/ PVC/ rings/ Shoes of approved quality shall be provided to the leg of table all as directed by the Engr-in-Charge
- (vi) Rest shall be all as per drawing.

11. TABLE (SIZE: 600 x 600 mm): FD-293

- (i) Provide table all as shown in drawings and as specified.
- (ii) All timber frame work shall be 1st class hardwood teak (tectona grandis) well-seasoned and free from cracks, bends and knots.
- (iii) Table top shall be 18mm thick prelaminated particle board with PVC lipping all as specified herein after.
- (iv) PVC edging of approved quality shall be provided al-round the edges of table top.

PARTICULAR SPECIFICATION SECTION II (KEY SPECIFICATIONS) (CONTD)
SCHEDULE 'A' PART II (WOODEN FURNITURE) (CONTD)

- (v) All timber surface exposed to direct view (when the item is placed in normal position) shall be french polished to achieve a glossy finish. The unexposed surfaces of frame shall be smoothened with sand paper.
- (vi) Hard rubber/ PVC/ rings/ Shoes of approved quality shall be provided to the leg of table all as directed by the Engr-in-Charge
- (vii) Rest shall be all as per drawing.

12. TABLE WITHOUT DRAWER (SIZE: 900 x 600 x760 mm): FD-284

- (i) Provide table without drawer all as shown in drawings and as specified.
- (ii) All timber frame work shall be 1st class hardwood teak (tectona grandis) well-seasoned and free from cracks, bends and knots.
- (iii) Table top shall be 18mm thick prelaminated particle board with PVC lipping all as specified herein after.
- (iv) PVC edging of approved quality shall be provided al-round the edges of table top.
- (v) All timber surface exposed to direct view (when the item is placed in normal position) shall be french polished to achieve a glossy finish. The unexposed surfaces of frame shall be smoothened with sand paper.
- (vi) Hard rubber/ PVC/ rings/ Shoes of approved quality shall be provided to the leg of table all as directed by the Engr-in-Charge
- (vii) Rest shall be all as per drawing.

13. DISPLAY BOARD 4' X 3' FD-99(M)

- (i) Provide display board all as shown on drawing.
- (ii) All timber surfaces exposed to direct view (when the item is placed in normal position) shall be French polished to achieve a glossy finish. The unexposed surfaces of frame shall be smoothened with sand paper.
- (iii) All timber shall be of first class hard wood Teak Wood (Tectona grandis).
- (v) Cloth green blaze shall be provided over 12mm thick soft board.

14. CHAIR WOODEN BOTTOM: FD-285

- (i) Provide chair wooden bottom all as specified and as shown on drawing.
- (ii) All timber frame work shall be 1st Class HW teak (Tectona Grandis) well seasoned and free from cracks, bends and knots.
- (iii) Seat shall be of 6mm commercial plywood BWR grade conforming to ISI specifications and fixed with the frame using suitable screws with washer. (3 Nos. each side and 2 Nos each for front and back).
- (iv) Frame rails, legs and stiffeners shall be jointed by using suitable bamboo pins.
- (v) Hard rubber rings shall be provided to each leg and shall be fixed by using suitable GI screws.
- (vi) All exposed surfaces, wood and plywood shall be provided with french polish to achieve glossy finish and hidden portion shall be smoothened with sand paper.

PARTICULAR SPECIFICATION SECTION II (KEY SPECIFICATIONS)
SCHEDULE 'A' PART I (STEEL FURNITURE) (CONTD)

15. **CHAIR CBA Steel : FD – 120 (M)**

- (i) All as shown on drawing. Legs and frame shall be of 19mm square mild steel tube of wall thickness 1.6mm. Wood shall be of first class hard wood teak (MP).
- (ii) Cane for seat and back shall be 0.4mm thick & 2mm wide weighing not less than 7/6gm per ten running meter and weaving shall be done in Godrej pattern. 20mm thick teakwood plank in one piece shall be provided on right hand side while sitting on chair and shall be hinged on arm rest with piano hinge.
- (iii) 20mm thick teakwood arm rest out of 50mm x 255mm screwed to legs. On the left side of chair while sitting on chair, shall be provided as shown on drawing.
- (iv) All steel and Iron surfaces shall be given two coats of enamel paint over a coat of primer after preparation of surfaces.
- (v) All wood surfaces shall be French polished with high glossy finish. Hard rubber or PVC shoes shall be provided at the bottom of legs.

Signature of Contractor
Dated:

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