

MILITARY ENGINEER SERVICES

NAME OF WORK : COMPREHENSIVE MAINTENANCE OF CHLORINATION PLANT,  
FILTRATION PLANT AND CERTAIN CONNECTED ITEMS UNDER THE AOR OF GE DEVLALI

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Total No of drawings: Nil

Signature of contractor  
Date :- \_\_\_\_\_

AGE (CONTRACTS)  
For Accepting Officer

(In lieu of IAFW-1779-A (R1955))

**(TO BE USED IN CONJUNCTION WITH GENERAL CONDITIONS  
OF CONTRACTS IAFW-2249 (1989 PRINT))**

**MILITARY ENGINEER SERVICES**

**Garrison Engineer  
Onslow Road  
Deolali Camp  
Pin:- 422401**

**8444/03/ E8****15 Oct 2024**

**TENDER AND CONTRACT FOR WORKS BY MEASUREMENT**

**NAME OF WORK:** COMPREHENSIVE MAINTENANCE OF CHLORINATION PLANT,  
FILTRATION PLANT AND CERTAIN CONNECTED ITEMS UNDER THE AOR OF GE DEVLALI

- 1. M/S DHARMESH ENTERPRISES is hereby authorized to e- tender for the above work.**
- 2. The complete tender is to be uploaded on the MES portal of [defproc.gov.in](https://defproc.gov.in) up to 1800 hrs on 05 Nov 2024. The cover 1 will be opened on or after 1000 hrs on 07 Nov 2024 in office of Garrison Engineer Deolali and COVER 2 will be opened only in case of qualified tenderers of cover 1 after technical evaluation which will be intimated online from the office of Garrison Engineer, Onslow Road Deolali, Camp – 422401.**
- 3. Any correspondence concerning with this tender shall be addressed as indicated at the top of this sheet, quoting the reference as given .**

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

**(SIGNATURE OF CONTRACTOR)  
DOCUMENTS)**

**(SIGNATURE OF THE OFFICER  
ISSUING THE TENDER**

***Appointment: AGE Contracts***

SCHEDULE 'A'

NAME OF WORK: COMPREHENSIVE MAINTENANCE OF CHLORINATION PLANT, FILTRATION PLANT AND CERTAIN CONNECTED ITEMS UNDER THE AOR OF GE DEVLALI

NOTES

1.0 Schedule 'A' is also referred as BOQ at places for e-tendering requirement.

2.0 Schedule 'A' has not been pre-priced by MES. The tenderers are required to work out and quote their rate for each item of Schedule 'A' based on description of item, Particular Specifications, Special Conditions, General Conditions etc and quote the same in rate column under Column 5 and 6 both in figures and words respectively and extend the total amount under Column 7.

3.0 PERIOD OF COMPLETION :- The period of completion for the entire work is 330 days period from the date of handing over the site.

4.0 UNIT RATES :- Unit rates shall be deemed to allow for provision of all materials, processes operations and special requirement detailed in special conditions, particular specifications irrespective of whether those appear as specific items or not in Sch 'A'.

5.0 The quantities shown in column 3 are approximate and are inserted as guidance only. They shall however not be varied beyond the limits laid down in Condition 7 of IAFW-2249 (General Conditions of Contracts).

6.0 The total amount is not firm but will be treated as the contract sum referred in IAFW-2249. Please refer schedule of

credit on tender page No.21, while arriving contract sum, the same will be arrived after deducting amount of schedule of credit from Schedule 'A' (BOQ) amount..

7.0 Method of measurement for all the work under this contract shall be as described in MES Schedule unless otherwise specified in the documents particularly.

8.0 The rates quoted by the contractor against respective items of Schedule 'A' shall be deemed to allow for all minor details of construction which are not specifically shown on drawings or given in the particular specification but are essential to the execution of work in work man like manner and sound construction. In case of difference in opinion between the contractor and GE as to whether or not certain items of work constitutes "Minor details of construction" which are deemed, to have been included in the contractors quoted prices, the decision of the Accepting Officer shall be final, conclusive and binding.

9.0 Unless otherwise mentioned in the description of Sch 'A' items the tendered rate for each item shall be deemed to be included for materials and labour etc complete.

10.0 Unit rates quoted by tenderer for the entire items of this tender shall be deemed to include for the provision of material and labour/supply and fix/supply and complete unless otherwise described such as labour only/fixing only/laying only in the description of items itself.

11.0 The following abbreviations have been used in Schedule :

(a) RM : Running Metre (b) Kg – Kilogram (c) Sqm – Square Metre (d) Cum – Cubic Metre

(e) Qtl – Quintal (f) M&L- Material and labour (g) S&F- Supply and fix (h) XSqm- Ten Square Metres.

12.0 The tenderers are advised to visit the site and acquaint themselves before quoting the tender. The tenderers are deemed to have visited the site irrespective of whether they have visited the site or not before quoting the tender. No claim whatsoever arising will be entertained at a later date.

13.0 Fixed in repairs means taking down the existing one and supplying and fixing the new one in lieu and Fixing only in repairs means taking down the existing one and re fixing the same.

14.0 (a) The rate quoted by the tenderer shall be inclusive of all types of taxes, levies, including GST, labour welfare cess etc. as prevailing on the last date of submission of tender.

(b) Certain taxes such as central excise duty, service tax, additional custom duty, state level value added tax, octroi and other levies which were applicable on interstate transportation of goods are subsumed by GST, thus special condition 27 on Srl page No \_\_\_\_\_ of tender for reimbursement/refund on variation in prices in taxes directly related to contract value of tender shall be deemed to be amended incorporating GST in lieu of taxes mentioned in the condition but subsumed by GST.

SCHEDULE 'B'

(See Condition 10 of IAFW – 2249)

ISSUE OF MATERIALS TO THE CONTRACTOR

SI No	Particulars	Rate at which stores etc will be issued to the contractor		Place of issue (by name)	Remarks
		Unit	Rate		
1	2	3	4	5	6

-Nil-

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SCHEDULE 'C'LIST OF TOOLS AND PLANTS (OTHER THAN TRANSPORT WHICH WILL BE HIRED TO THE CONTRACTOR)

(See Conditions 15, 34 and 35 of IAFW-2249)

SI No	Quantity	Particulars	Details of MES crew supplied	Hire charges per unit of working day	Standby charges per unit per off day	Place of issue (by name)
1	2	3	4	5	6	7

-Nil-

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SCHEDULE 'D'TRANSPORT TO BE HIRED TO THE CONTRACTOR

(See Condition 16 and 35 of IAFW 2249)

SI No	Quantity	Particulars	Rate per unit per working day	Place of issue of name	Remarks
1	2	3	4	5	6

-Nil-

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Signature of contractor  
Date :- \_\_\_\_\_AGE (CONTRACTS)  
For Accepting Officer

(In lieu of IAFW-1779-A(R-1955))

## TENDER

To,

1. The President of India

Having examined and perused at the following documents: -

Specifications signed by GARRISON ENGINEER.

2. Drawings as detailed in the specifications
3. Schedule 'A' 'B' 'C' and 'D' attached hereto
4. MES Standard Schedule of Rates –2009, Part I (Specifications) and 2020 Part II (Rates)(hereinafter and in IAFW-2249 referred to as the MES Schedule) together with amendment Nos 1 to 3 for Part I (Specifications) and amendment Nos '1 to 22' for Part II (Rates) as applicable to the above said schedule.
5. General Conditions of Contracts IAFW-2249 (1989 Print) together with amendment Nos 1 to 49 and errata Nos 1 to 20.
6. WATER CONDITION 31 OF IAFW-2249 :GENERAL CONDITIONS OF CONTRACTS :- Refer Condition 31 of IAFW – 2249 (General Conditions of Contracts). Water will be supplied by the MES and shall be paid for by the contractor @ Rs.3.75 per thousand worth of work done.

SHOULD THIS TENDER BE ACCEPTED

I/WE AGREE

\*(a) that the sum of Rs. forwarded as Earnest money shall either be retained as a part of Security Deposit or be refunded by the Government on receipt of an appropriate amount of Security Deposit, as per Condition 22 of IAFW-2249.

(b) To execute all the works referred to in the said documents upon the terms and conditions contained or referred to therein at the item rates contained in the aforesaid Schedule 'A' or at such other rates as may be fixed under the provisions of Condition 62 of IAFW-2249 and to carry out such deviations as may be ordered vide Condition 7 of IAFW-2249 upto a maximum of 10% (TEN PERCENT)and further agree to refer all disputes as required by condition 70 to sole Arbitration of serving officer having degree in Engineering or equivalent or having passed final/direct final examination of sub division II of Institution of Surveyors (India) recognised by Govt. to be appointed by Engineer-in-Chief or in his absence the officer officiating as Engineer-in-Chief or Director General of works if specifically delegated in writing by Engineer-in-Chief, Army Headquarters, New Delhi whose decision shall be final, conclusive and binding.

\*To be deleted where-ever not applicable.

(In lieu of IAFW-1779A(Rev-1955))

Signature \_\_\_\_\_

(With name in BLOCK CAPITALS)

IN the capacity of ..... duly authorised to sign the tender for and on  
behalf of .....

(in BLOCK CAPITALS)

Witness .....

Date : .....

Address .....

Postal address .....

.....

.....

.....

.....

Telegraphic address .....

.....

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 and they have been initialled by the contractor and Shri N K Choudhary, AGE (CONTRACTS).The said Officer is hereby authorised to sign and initial on my behalf all documents forming part of this contract.

The above tender was accepted by me on behalf of the President of India for the item rate contained therein for the contract sum of Rs.....

(Rupees

.....

.....only) on ..... day of

.....2024

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

Appointment :

Garrison Engineer,  
On Slow Road,  
Deolali,Nashik – 422 401  
(For and on behalf of The President of India)  
ACCEPTING OFFICER

GENERAL CONDITIONS OF CONTRACTS(IAFW-2249,1989 PRINT) FOR LUMP SUM  
CONTRACTS(IAFW-2159),TERM CONTRACTS FOR ARTIFICERS WORKS (IAFW-1821) AND  
MEASUREMENT CONTRACTS  
(IAFW-1779 & 1779 A)

I/We have read and understood the provisions contained in the aforesaid General Conditions of Contracts before submission of this tender and I/We agree that I/We shall abide by the terms and conditions thereof, as modified, if any, elsewhere in these tender documents.

It is hereby further agreed and declared by me/us, that the General Conditions of Contracts (IAFW – 2249 – 1989 print) with Errata 1 to 20 and Amendments Nos. 1 to 49 form part of these tender documents and I/We are in possession of the said conditions with errata and amendments.

Note : - It is also agreed me/us that in case of any discrepancy in the interpretation of the contents between ENGLISH and HINDI version, ENGLISH version shall take precedence over HINDI version.

\* Delete whichever is not applicable.

Signature of contractor  
Date :- \_\_\_\_\_

AGE (CONTRACTS)  
For Accepting Officer

\* Delete whichever is not applicable.

SCHEDULE OF MINIMUM FAIR WAGES  
PAYABLE BY CONTRACTORS UNDER FAIR WAGES  
(See Condition 58 of IAFW-2249)

It is hereby agreed by me/us that the "Schedule of minimum fair wages" as published by Govt of India/ State Govt/Govt. local authorities whichever is highest and which specifies minimum rates of wages for various categories of workmen as applicable on the last due date of receipt of this tender shall form part of these tender documents.

The minimum rates of wages shall consist of all inclusive rates and include also the wages for weekly day of rest.

\* My/our signature hereunder amount to me/our\* having signed the aforesaid documents forming part of the tender.

Signature of contractor  
Date :- \_\_\_\_\_

AGE (CONTRACTS)  
For Accepting Officer

Notes :- \* Delete whichever is not applicable.



### SPECIAL CONDITIONS

#### 1.0 GENERAL

1.1 The following special conditions shall be read in conjunction with General Conditions of Contracts (IAFW-2249 1989 print) including amendments and errata thereto. If provisions in these special conditions are at variance with the provisions in the foresaid documents, the provisions in these special conditions shall be deemed to take precedence there over.

1.2 The work under this contract shall be carried out in accordance with Schedule "A", the particular Specifications, drawings and other provisions in MES schedule.

1.3 The term General specifications referred to hereinbefore as well as referred to in IAFW-2249 (General conditions of contracts) shall mean the specifications contained in the MES schedule.

1.4 General rules specifications, special conditions and all preambles in the MES schedule shall be deemed to apply to the works under this contract. In case of any discrepancy the provisions in these documents shall take precedence over the aforesaid provisions in the MES schedule.

#### 2.0 SECURITY OF CLASSIFIED DOCUMENTS (REFER CONDITION 2A & 3 OF IAFW-2249)

2.1 Contractor's special attention is drawn to conditions 2A and 3 of General Conditions of contracts (IAFW-2249) and also to the Indian Official Secret Act –1923 (particularly section 5). The contractor is bound by the provisions of the Act. The contractor shall not communicate any classified information regarding works either to sub contractor(s) or others with out prior approval of Engineer-in- Charge. The contractor shall also not make copies of the design/drawings and other documents furnished to him in respect of works and he shall return all the documents on completion of the work or on earlier termination of the contract. The contractor shall alongwith final bill attach a receipt from the Engineer-in –Charge in respect of his having returned the classified documents as per Condition 3 of the General conditions of Contracts (IAFW-2249).

3.0 INSPECTION OF SITE AND RELEVANT DOCUMENTS (REFER CONDITON 4 OF IAFW-2249) :- The contractor is required to visit the site of works and make himself thoroughly acquainted with the working conditions and of the approaches/accessibility to site availability of materials and all other relevant conditions affecting the completion of entire work. He is required to make himself fully acquainted with the nature and scope of work before tendering. For the purpose of inspection of relevant documents other than those sent herewith, the contractor is required to contact the Garrison Engineer who will give the reasonable facilities. The contractor shall be deemed to have visited the site before submitting the tender irrespective of whether he does it or not.

#### 4. MATERIALS AND SAMPLES (REFER CONDITION 10 OF IAFW –2249)

4.1 The tenderer is advised to inspect samples of the local buildings materials maintained by the GE before submitting his tender. He will be deemed to have full knowledge of these materials whether he inspects them or not. The materials to be provided by the contractor shall conform to/shall be superior to the standard of samples displayed in the office of Garrison Engineer in matter of quality unless otherwise specified.

4.2 All materials unless otherwise specified (excluding the materials issued under Schedule'B') supplied and incorporated in the works shall comply with the requirements of relevant Bureau of Indian Standards (BIS) including published as on the date of tender mentioned in the MES

SPECIAL CONDITIONS (CONTD..)

standard Schedule of Rates (SSR) mentioned herein before, duly ISI marked. Material having ISI certification marks issued by BIS only will be incorporated in the work except where specified "Makes" have been specified in which case such article/material/equipment of particular 'Make' specified shall only be incorporated in the works. In case the materials conforming to the relevant ISI may be incorporated in the works. These provisions shall supercede all the specifications given elsewhere in the tender documents.

4.3 The contractor shall produce samples of materials for incorporation direct to the GE and get them approved in the writing by the GE before commencement of work. All samples of materials, articles etc as approved shall be labeled as such and shall be signed by GE and contractor and kept in the safe custody of GE/Engineer-in- Charge.

5.0 RECORD OF MATERIALS

(a) Original vouchers/invoices for the following proprietary materials as required for execution of work shall be produced by the contractor before claiming RAR payments, against material lying at site :-

- (i) Integral Water Proofing Compound
- (ii) Timber for wood work and joinery/factory made shutters.
- (iii) All types of Builder's Hardware fittings.
- (iv) MS round/TMT bars ( in case of contractor's supply)
- (v) MS rolled sections/plate and welded steel wire fabric, rolling shutters/steel/ventilator, Al shutters, PVC Shutters & Frame.
- (vi) MP tiles, materials for roof statement.
- (vii) Particle board, decorative laminate, bonded mineral wool blankets plywood, Gypsum board, Glasswool
- (viii) Marble tile/slab, glazed tile/ceramic tile, terrazzo tiles .
- (ix) Lime fat, distemper, cement paint.
- (x) Sheet glass, plain/pin headed.
- (xi) Pink primer/red oxide, synthetic enamel paint, plastic emulsion, French polish, Varnish, Creosote Oil, Epoxy primer & paint.
- (xii) Conduits, conduit fittings/PVC casing/caping and accessories.
- (xiii) All cables, conductors, DG set /VCB / LT panel board and the like.
- (xiv) PVC water tanks.
- (xv) Cement
- (xvi) Steel for reinforcement & structural steel.

(b) In addition to the above any other proprietary materials which are not reflected but included in the work shall also be submitted by the contractor as per the direction of GE, his decision shall be final and binding.

(c )The vouchers/invoices shall be from the manufacturers and/or from their authorized agents for full quantity of respective items required for the work under this contract. These vouchers shall be endorsed, dated and initialled by the Engineer-in-Charge giving the contract number and name of work and a certified true copy of each such voucher signed both by the Engineer-in-charge and the contractor shall also be kept on MES record.

SPECIAL CONDITIONS (CONTD..)

(d) The quantity brought to site shall be recorded in measurement books and signed by contractor and Engineer-in-Charge as a check to ensure that the required quantity have been brought to site for incorporation in the work

(e) Proprietary materials brought at site shall be stored as directed by Engineer-in-Charge and those already recorded shall be suitable marked for identification.

(f) The contractor shall ensure that materials are brought to site in original sealed in containers or packing bearing manufacturer's marking except in the case of the total requirement less than the smallest packing.

6 ----- BLANK-----

7.0 CO-OPERATION WITH OTHER AGENCIES

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

7.2 The contractor's prices shall be deemed to cater for all the above contingencies and nothing extra shall be admissible on this account.

8.0 DAMAGE TO EXISTING STRUCTURE/BUILDING :- Any damage done to existing structure during the execution of work shall be made good by the contractor at his own cost and the site of work left clean and tidy on completion. Rectification/reinstatement/making good etc shall conform to the standard of materials originally used in the work and finalized work shall match with the existing work in all respects to the entire satisfaction of the GE. In case of any dispute on this account the matter shall be referred to the Accepting Officer whose decision in writing shall be final conclusive and binding

9.0 CONTRACT LABOUR (REGULATION AND ABOLITION) ACT 1970 :- The contractor when required to employ more than twenty workmen on the works under this contract, shall be bound by the contract labour (Regulation and Abolition Act 1970) and rules framed under. No contractor can undertake or execute his work without a licence issued by a licensing Officer.

10.0 MINIMUM WAGES : PAYMENT TO LABOUR (CONDITION 58 OF IAFW –2249)

10.1 Refer condition 58 of IAFW-2249. The contractor shall not wages lower than minimum wages for labour as fixed by the Govt of India/State Govt/Union Territory whichever is higher.

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

10.3 The contractor have shall have no claim whatsoever if on account of local factor and or regulations or otherwise he is required to pay the wages in excess of minimum wages as described above during the execution of work receipt except reimbursement refund of wages of labour specified hereinafter.

SPECIAL CONDITIONS (CONTD..)11.0 ANTECEDENTS OF CONTRACTORS AND THEIR AGENTS REPRESENTATIVE WORKMEN

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

11.0 ELECTRICITY SUPPLY

12.1 Electrical energy required for lighting and power, purpose shall be made available by MES at one point near the contractor's shed marked in the site plan and KWH meter to register the power supplied shall be provided and installed by the MES. The contractor shall provide all necessary connection, cable fittings etc from the main switch in order to ensure proper supply of electricity.

12.2 The contractor shall be charged for the electric supply consumed for the work at Rs13.80/- per unit. (Rupees thirteen and paisa eighty only).

12.3 The aforesaid charge is inclusive of charges for meters to be installed by MES.

12.4 MES do not guarantee continuity of supply and compensation whatsoever shall be allowed for supply becoming intermittent or break down in the system.

13. WATER

13.1 Reference condition 31 of General Conditions of Contracts, IAFW-2249. MES will supply water to the contractor at points marked on the site plan if any or as shown near to site by GE / Engineer in Charge. The contractor shall arrange for metering conveyance and storage of water etc, as necessary at his own expense. Water meter shall be provided and installed by MES. The contractor shall provide all necessary connection, pipe fittings etc.

13.2 MES will not be responsible to the contractor for any damage or compensation for failure in supply of water or the supply thereof if the failure or curtailment as the case may be arised from accident or becomes necessary as a result of drought or any other causes. The decision of GE in this respect shall be final and binding.

14.0 RECORD OF CONSUMPTION OF CEMENT

14.1 For the purpose of keeping a record of cement brought and consumed by the contractor shall maintain a pucca/bound Register in the form approved by the Engineer-in-Charge showing daily receipt from MES, quantity used in works and balance in hand. This register shall be signed daily by the contractor/Contractor's representative and the Engineer-in-Charge in token of their verification of its correctness.

SPECIAL CONDITIONS (CONTD..)

14.2 The Register shall be kept at site in the safe custody of the Contractor during progress of work and he shall on demand produce the same for verification of Inspecting Officer. On completion of the work, the register shall be handed over to the Engineer-in-Charge for the record with MES.

15.0 SECURITY AGAINST LOSS OR DAMAGE

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

- i) Particulars of plants/equipments, their make, model No, if any, Regn No, if any, capacity, year of manufacture and year of purchase etc.
- ii) Total No (quantity) on site of work.
- iii) Location, indication No, quantity of each location of site of work.
- iv) Purchase value on the date of purchase.

For the purpose of this condition, plant/equipment shall be given vehicle No i.e trucks and lorries but neither the workmen tools or any manually operated tools/equipment. The Engineer-in-charge shall record the particulars supplied by the contractor in works dairy and send the return to the GE for record in his office.

16.00 -blank-

17.0 ROYALTIES

17.1 Reference Condition OF General Conditions of Contracts (IAFW-2249). No quarries on defence land are available.

## SPECIAL CONDITIONS (CONTD)....

18.0 PERIOD OF KEEPING THE TENDER OPEN

18.1 Tender shall remain open for acceptance for a period of 60 days from the date on which the tender is due to be submitted. For the purpose of calculating this period the day on which the tender is due to be submitted shall be excluded.

18.0 NETWORK ANALYSIS

19.1 The time and progress chart to be prepared as per conditions of IAFW-2249 (General Conditions of Contracts) shall consists of detailed network analysis and a time schedule. The critical path network will be drawn jointly by the GE and the contractor soon after the acceptance of tender. The time scheduling of the activities will be done by the contractor, so as to finish the work within the time schedule a firm calendar date schedule will be submitted in four copies within two weeks from the date of handing over the site.

19.2 During the currency of the work, the contractor is expected to adhere to the time schedule and this adherence will be part of the contractor's performance under the contract. During the execution of the work the contractor is expected to participate in the review and updating of network undertaken by the GE. The review may be undertaken at the discretion of the GE either as periodical appraisal measure or when the quantum of work ordered on the contractor is substantially changed through deviation order or amendments. Any revision of time schedule as a result of the review will be submitted by the contractor by the GE within a week for his approval after due scrutiny. The contractor shall adhere to the revised time schedule thereafter. In case of contractor not agreeing with the revised schedule, the same will be referred to the Accepting Officer whose decision shall be final conclusive and binding. GE's approval to the revised schedule resulting in a completing date beyond the stipulated date of completion shall be automatically account to a grant of extension of time. Extension of time shall be considered and decided by the appropriate authority mentioned in condition 11 of IAFW-2249 and separately regulated.

19.3 Contractor is expected to mobilise and employ sufficient resources to achieve the detailed schedule within the broad frame work of the accepted methods of working and safety. No additional payment will be made to the contractor for any multiple shifts or other incentive contemplated by him in his work schedule even though the time schedule is approved by the Department.

19.0 SITE CLEARANCE

20.1 (Refer condition 49 of IAFW-2249, General Conditions of Contract). The contractor shall remove from the site unused stores and huts and the like belonging to the contractor provided for the execution of work under this contract and the site of works shall be cleared off all rubbish and waste materials by the contractor and the site of work delivered in clean and tidy manner to the satisfaction of the Engineer-in-Charge on before the date of completion. Nothing extra whatsoever shall be paid to the contractor for such clearance of site.

20.2 The contractor shall clean all floors, remove cement/lime/pain drops etc clean the joinery, glass panes etc, touch up all painting work and carry out all other necessary items of work in connection there with and leave the whole premises clean & tidy to the entire satisfaction entire satisfaction of the Engr-in-Charge before handing over the buildings.

20.0 QUALITY OF WORK AND FINISHES :-

21.1 To determine the acceptable standard of workmanship, portion of different works included in the Schedule 'A' (sample quarter) as decided by GE shall be completed by the contractor well in advance under close supervision of the Engineer-in-Charge and shall be got approved from the

## SPECIAL CONDITIONS (CONTD)....

GE. The workmanship of various trades and finishes of this portion shall serve as guiding samples for work in the remaining buildings.

21.2 The contractor shall proceed with work in bulk only after satisfactory compliance of the requirements in para 21.1 above. The total completion period allowed for work shall be deemed to have made allowance for the requirement.

21.0 OUT OF POCKET EXPENSES :- Out of pocket expenses incurred by the tenderer in submitting this tender shall not be reimbursed whether tender is accepted or not.

22.0 AVAILABILITY OF LAND FOR STORAGE OF MATERIALS

23.1 Delete the following in para 1 of condition 24 of IAFW –2249, General Conditions of Contracts” In the event of areas of land..alloted to him.]

23.2 The contractor shall be allotted free of charge, the area marked on layout plan for the purpose of erection of temporary workshop, stores etc. No Defence land is available for accommodation of labour and canteen for which contractor shall make his own arrangement at his own expenses.

23.0 WORKING HOURS/DAYS :- The contractor or his workmen shall not be permitted to work on Sundays, Holidays or after normal working hours without prior written permission of the GE.

24.0 CONDITIONS OF WORKING IN RESTRICTED AREA

25.1 Work under this contract lies in Restricted Area.

25.2 Visit To The Site Before Tendering :- Permission to enter the Restricted Area at the time of submission of tenders can be obtained through the GE. Tenderers are advised to send prior intimation to the GE about the particulars of their agents, representatives etc, if any, dates any time of their proposed visits so that necessary arrangements may be made by GE to secure admission whether a tenderer visits the site or not shall be deemed to have full knowledge of the restrictions on entering into/exit from and working within the Restricted Area

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

25.4 IDENTITY CARDS OR PASSES :- The contractor, his agents and representative are required individually to be in possession of an identity Card or pass duly verified by the Police Department. The Identity Card or pass will be examined by the security staff at the time of Entry into or exit from the Restricted Area and also at any time or number of times inside the Restricted Area.

SPECIAL CONDITIONS (CONTD..)25.5 IDENTITY OF WORKMEN

25.5.1 Every workmen shall be in possession of an identity card. The identity card will be issued after through investigation of the antecedents of the labourers by the contractor and attested by the Officer-in-Charge of the unit concerned in accordance with the standing rules and regulations of the units.

25.5.2 Contractor shall be responsible for the conduct and action of his workmen, agents and representatives.

25.6 SEARCH :- Though search of all persons and transport shall be carried out at each gate and for as many time as a gate is used for entry or exit and may also be carried out at any time or any number of times at the work site with the Restricted Area.

25.7 FEMALE SEARCHES :- If the contractor desired to employ female labour on works to be carried out inside the area of a factory, Depot, Park etc and a female searcher is not borne on the authorised strength of the factory, Depot, Park etc at the time of submission of the tender, he shall be deemed to have allowed in his tender for pay and allowances etc for a female searcher (class IV servant/Group 'D' servant calculated for the period of female labour is employed by him inside the area. If more than one contractor has/have to be employed in addition to the additional female searchers (s) shall be distributed on an equitable basis between the contractors employing female labour taking into consideration the value and period of completion of their contracts. The GE's decision in regard to the amount recoverable on this account from any contractor shall be final and binding.

25.8 WORKING HOURS

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

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

25.8.3 Contractor's materials transport etc, shall normally be permitted to go out of the area between 8.00 AM to 6.00PM only.

25.8.4 Contractor's may also be allowed to carry out the work beyond 6.00 pm and upto 8.00 pm (day and night). However no movements or materials and transport out ofsite of works shall be permitted during night unless special permission obtained from the factories/unit authority.



SPECIAL CONDITIONS (CONTD..)

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

25.8.6 ACCESS TO RESTRICTED AREA AFTER COMPLETION OF WORKS After the works are completed and surplus stores etc returned to the contractor, his agents, representatives or workmen etc may not be allowed to have access to the restricted area except for attending any rectification of defects pointed out to him by the GE.

26.0 MINOR AND MISSING DETAILS

26.1 The lumpsum quoted by the tenderers shall also include for any minor details of works and/or construction which area obviously and fairly intended and which may not have been specifically referred to in the tender documents but which area essential for the execution and completion of the work in a workman like manner and sound construction.

26.2 If certain details are missing, in that case, the details indicated elsewhere in the drgs which are similar or near to the missed out items of work shall be followed. In the absence of any other similar, and near details, the minimum essential requirement for the completion of work from the structural and utility point of view shall be deemed to be included in the amount quoted.

26.3 In the case of different of opinion between the contractor and department as to whether or not a certain item of work constitute minor extra constructional details included in the lumpsum amount quoted or not the decision of the Accepting Officer shall be final, conclusive and binding.

27.0 REIMBURSEMENT/REFUND ON VARIATION IN TAXES DIRECTLTLY RELATED TO CONTRACT VALUE

(a) The rates quoted by the Contractor shall be deemed to be inclusive of all taxes (including Sales Tax/ VAT on materials, Sales Tax/VAT on Works Contracts, Turnover Tax, Labour Welfare Cess ,GSTetc) duties, Royalties, Octroi& other levies payable under the respective statutes. No reimbursement/refund for variation in rates of taxes, duties, Royalties, Octroi& other levies, and/or imposition/abolition of any new/existing taxes, duties, royalties, octroi& other levies shall be made except as provided in sub para (b) here-in-below.

(b) (i) The taxes which are levied by Govt at certain percentage rates of contract sum/Amount shall be termed as "taxes directly related to contract value" such as Sales Tax/VAT on Works Contracts, Turnover Tax, Labour Welfare Cess/tax ,GST and like but excluding Income Tax. The tendered rates shall be deemed to be inclusive of all "taxes directly related to Contract value" with existing percentage rates as prevailing on last due date for receipt of tenders. Any increase in percentage rates of "taxes directly related to Contract Value" with reference to prevailing rates on last due date for receipt of tenders shall be reimbursed to the Contractor and any decrease in percentage rates of "taxes directly related to contract value" with reference to prevailing rates on last due date for receipt of tender shall be refunded by the Contractor to the Govt/deducted by the Govt from any payments due to the contractor. Similarly imposition of any new "taxes directly

SPECIAL CONDITIONS (CONTD..)

related to Contract value" after the last due date for receipt of tenders shall be reimbursed to the contractor and abolition of any "taxes directly related to contract value" prevailing on last due date for receipt of tenders shall be refunded by the Contractor to the Govt/deducted by the Govt from the payments due to the Contractor.

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

(iii) The Contractor shall, for the purpose of this condition keep such books of account and other documents as are necessary and shall allow inspection of the same by a duly authorized representative of Govt, and shall further, at the request of the GE furnish, verified in such a manner as the GE may require, any documents so kept and such other information's as the GE may require.

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

(v) Form 'D' shall be issued by the department to the contractor in respect of such items of the equipments required for the works, the procurement of which shall be required for payment of interstate sales tax by the contractor. Form 'D' shall be issued in the name of contractor only. However, if the Sales Tax authority abolish Form 'D' for inter State Tax, no such form shall be issued and no claim in respect of compensation or otherwise on this account shall be admitted from the Contractor.

## 28.0 SECURITY AND PASSES

28.1 Contractor's attention is invited to condition 25 of IAFW-2249. He shall employ only Indian Nationals after verifying their antecedents and loyalty. The contractor shall on demand by the Engineer-in-Charge submit list of his agents, employees and work people concerned and shall satisfy the Engineer-in-Charge as to the bonafide of such people.

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

28.2.1 The contractor and his agents, employees and work people shall observe all the rules promulgated by the authority controlling the installation/Area in which the work is to be carried out eg, prohibition of smoking and lighting, fire precautions search of persons on entry and exist, keeping to specific routes, observing specified timing etc, nothing extra shall be admissible for any man hours etc, lost on this account.

SPECIAL CONDITIONS (CONTD..)29.0 CONCILIATION29.1 SCOPE OF CONCILIATION

29.1.1 The scope of conciliation shall be restricted to the following types of disputes with financial limits as indicated therein:-

(a) Disputes relating to levy of compensation for delay in completion - actual amount of compensation.

(b) Disputes relating to technical examination of works.

(c) Disputes relating to interpretation of the provisions of the contract with reference to their application to parties.

(d) Disputes relating to non return of Schedule 'B' stores over-issued to contractor.

(e) Any other dispute having fair chances of being resolved by conciliation and considered fit to be referred to conciliation by the parties.

For condition 29.1.1 (b), (c), (d) & (e) each as stated above the financial limit shall be Rupees two lakhs or one percent of the contract amount whichever is less.

29.2. COMMENCEMENT OF CONCILIATION PROCEEDINGS:-

29.2.1 The party initiating conciliation shall send to the other party a written invitation to conciliate, briefly identifying the subject of the dispute.

29.2.2 Conciliation proceedings shall commence when the other party accepts in writing the invitation to conciliate.

29.2.3 If the other party rejects the invitation, there will be no conciliation proceedings. If the party initiating conciliation does not receive a reply within 30 days from the date on which he sends or within such other periods of time as specified in the invitation, he may elect to treat this as a rejection of the invitation to conciliate and if he so elects, he shall inform in writing the other party accordingly.

29.3 NUMBER OF CONCILIATORS: There shall be a Sole conciliator.

29.4 STATUS OF EFFECT OF SETTLEMENT AGREEMENT: The settlement agreement signed by the parties as a result of conciliation proceedings shall have the same status and effect as it is an arbitral award on agreed terms.

30. PRODUCTION OF VOUCHERS FOR MATERIALS

30.1 Contractor shall produce original purchase vouchers/invoices challans along with Test Certificates wherever applicable from the manufacturers and/or their authorized agents for the full quantity of the materials as applicable as a pre requisite document before submitting claims for payment for advance on account of materials collected, in accordance with Condition 64 of IAFW-2249, General Conditions of Contracts. However vouchers in respect of cement, steel, major E/M equipments like transformers, DG Sets, Pumps, Motors, AC and lift equipments shall be submitted invariably.

Signature of contractor

Date :- \_\_\_\_\_

AGE (CONTRACTS)

For Accepting Officer

PARTICULAR SPECIFICATIONS1.0 GENERAL

- 1.1 Work under this contract shall be carried out in accordance with Schedule 'A' Special Conditions, Particular Specifications, drawings including notes thereon (unless specified otherwise) and general rules and specifications given in MES SSR Part I – 2009 as well as general rules, Special Conditions and preambles to the various rates given in MES SSR Part II –2010 (hereinafter called MES Schedule) read in conjunction with each other.
- 1.2 The term "General Specification" referred to herein before as well as referred to in GCC shall mean the specifications contained in the MES Schedule Part-I.
- 1.3 General Rules, Specifications, Special Conditions, method of measurements, preambles in the MES Schedule shall be deemed to be applicable to the work under this contract, unless specifically mentioned otherwise in these documents.
- 1.4 The term "as specified", wherever appears in tender documents and drawings, relates to relevant particular specifications and in its absence general specifications.
- 1.5 Particular specifications in this section given hereinafter shall be generally applicable to all works covered under Schedule 'A'. The particular specifications are brief and are only to particularize, amend and emphasize the specifications given in MES Schedule, which are not repeated.
- 1.6 Where specifications /provisions given in these particular specifications are at variance with the provisions/specification given in MES Schedule specifications/ provisions given in these particular specifications, hereinafter, shall be followed.
- 1.7 Where specifications for any item of work are not given in MES Schedule or in these particular specifications, specifications as given in relevant Indian Standard or Code of practice shall be followed.

2.0 SCOPE OF WORK : This contract covers the work as described in Schedule 'A'/ BOQ

- a. CPP 57 OF 2024-2025 : COMPREHENSIVE MAINTENANCE OF CHLORINATION PLANT, FILTRATION PLANT AND CERTAIN CONNECTED ITEMS UNDER THE AOR OF GE DEVLALI

3.0 MATERIALS

- 3.1 All materials to be supplied by the contractor for incorporation in work shall conform to relevant specifications/IS.
- 3.2 In case specification of materials needed for incorporation is not contained anywhere in the contract documents, the specification of such materials proposed to be incorporated in work shall be got approved in writing from the GE before incorporation in the work. Contractor is advised to check availability, lead, time of procurement from these suppliers before quoting.
- 3.3 As far as practicable all manufactured articles other those manufactured in contractor's workshop at site shall bear ISI certification mark and which are readily available in the market and are given in Special Condition. It is mandatory for the contractor that ISI certified marked items/articles as listed therein shall only be incorporated in the work.

PARTICULAR SPECIFICATIONS (CONTD..)

3.4 Local materials such as stone aggregate, sand, lime etc shall generally conform to the sample kept in GE's office in addition to their conformity with relevant specifications given in the tender documents. The samples of such materials shall be got approved from GE in writing before the materials are brought at site in bulk. The contractor shall submit samples of materials of GE through Engineer-in-Charge for approval.

3.5 Letter conveying approval of samples/materials by GE will interlaid mention source of supply/name of manufacturer, trade name/brand (if applicable) and reference to clause of the tender documents containing specification of particular materials.

4.0 DEMOLITION/DISMANTLING

4.1 Demolition/dismantling shall be done where directed by the Engineer-in-Charge. Necessary precautions shall be taken as specified in SSR Part-I. any damage done to the existing structure shall be made good by the contractor and shall not have any claim whatsoever in this respect, failing which the work shall be carried out at the risk and cost of the contractor.

4.2 The dismantled/demolished items shall become Government's property and serviceable items shall be returned by the contractor to MES Store yard and unserviceable materials shall be removed and disposed off outside MD land as directed by Engineer-in-Charge at no extra cost to the department.

5.0 EXCAVATION AND EARTHWORK

5.1 Excavation and earthwork shall be carried out all as described in relevant items of Schedule 'A' and as specified under relevant clauses of Section 3 of MES Sch 'A' Part – I.

5.2 Decision of Garrison Engineer shall be conclusive and binding as regards classification of soils.

5.3 Approved soil obtained out of Excavation shall be used for filling surplus soil If any shall be removed to a distance as indicated in the relevant items of the Schedule 'A' and leveled at places as directed by the Engineer-in-Charge.

5.4 During excavation, proper care shall be taken to avoid damage to water mains, Pipes, cable etc met if with during excavation. If any damage is caused the same should be made good immediately at his own expense to the satisfaction of Engineer-in-Charge

6.0 FILLING

6.1 The approved earth from excavation shall be used for filling in any situation after removing big stones, grass, roots and vegetables and other organic matter. Earth mixed with small stones/pebbles (if approved by GE) is permitted for use in filling around pipes after the pipes are laid and tested. Any additional earth required for the purpose of filling shall be arranged by contractor at no extra cost to the Department from outside the Defence land.

6.2 Filling under floors/sides of trenches shall be in layers n.exc. 250mm and each layer shall be watered, compacted and rammed as approved by Engineer-in-Charge

**PARTICULAR SPECIFICATIONS (CONTD..)**

- 6.3 Surplus soil/spoil shall be removed at places as directed by Engineer-in-Charge to a distance exc 50m and depositing where directed by Engr-in-Charge

**7.0 SAMPLES OF MATERIALS**

The Contractor shall provide the samples of all the materials which are to be incorporated in the work and shall be got approved by the Accepting Officer prior to incorporation in the work.

**8.0 EQUIPMENT IN THE CUSTODY OF CONTRACTOR**

- 8.1 The contractor shall render a receipt to the Engineer-in-Charge before taking in possession of any equipment/unit for carrying out repairs and delivery challan shall be produced alongwith the supply of item when brought to site in addition the delivery shall specify the spares replaced during repair.
- 8.2 Any appliances/equipment loss or damaged while in possession of the contractor shall be make good by the contractor with same capacity model and make of existing and in case failure of the contractor to make good lost , GE shall be entitled to effect recovery as per the prevailing market rate of such appliance/equipment from any payment due to the contractor.

**9.0 GENERAL INSTRUCTION ON SPARE PARTS/MATERIALS**

- 9.1 Materials to be supplied by the contractor for incorporation in the work shall be of the existing matching make and quality unless specified otherwise or in case of not availability shall conform to relevant P.S. or in its absence shall be suitable quality to match with the existing make and existing quality.
- 9.2 The spares/internal required for replacement shall be original and shall only be purchased from authorised dealer of the company.
- 9.3 The work shall be carried out with least inconvenience to users and a planned program of repairs shall be prepared and shall be got approved from the GE before taking up the work.
- 9.4 Replacement of spare or parts of various appliance shall be carried out to achieve best performance and to the entire satisfaction of Engineer-in-Charge. It shall be matching as specified.
- 9.5 The contractor shall take all precautions against damage to the remaining part of the appliances/equipment, which are not required to be replacement/repared. In case of any damage make the same shall be made good by the contractor without any extra cost to the Government.
- 9.6 All the items provided in the works shall be ISI marked. If IS mark is not available in India the same shall be procured from the best available in market prior approval of GE. No sub standard item shall be allowed.
- 9.7 The entire work shall be executed in best workmanship manner as per the trade practice employing highly skilled tradesmen using Manufacturers instruction and Std Engg Practice. Problems of typical nature shall be referred to manufacturer and the cost of the same shall be borne by the tenderer in his unit rate which shall be deemed to include provision for the same.
- 9.8 **CLASS OF WORK**  
The work shall be carried out in strict compliance with the latest edition of Indian Electricity Act and edition of IS-732. It shall be of high standard and approved construction used in modern electrical work both as regards design and workmanship. Complete work shall be suitable in every respect of type of voltage specified and shall be to the satisfaction of Engineer-in-Charge.

## PARTICULAR SPECIFICATIONS (CONTD..)

10.0 SYNTHETIC ENAMEL PAINTING

Painting shall comply with requirement given in para 17.2 of MES Schedule Part I. Final finish shall be of glossy finish. Painting as far as possible shall be carried out in dry weather and neatly cut on at edges. All paints shall be synthetic enamel paint 1<sup>st</sup> quality not inferior to that specified in the relevant Indian Standard specifications and shall be of any one of the following brand approved by the GE :-The contractor when so ordered by GE, produce certificates of the brand of paints purchased by the contractor from the manufacturer satisfying the requirement of the relevant IS specifications. Paints for priming coat, under coat and finishing coat shall be of the same manufacturer. Tint of each coat of paint unless otherwise specified shall be approved by the GE. Make: Jenson Nicholson (Borolac)/ Asian Paints Ltd (Apcolite)/Berger Paints Ltd (Luxol)

11.0 INSTRUMENTS AND METERS

All instruments and meters should be rear connected. All indicating instruments and meters shall be capable of carrying continuously their full load current and full voltage across their pressure coils. They shall not be damaged by the passage of the fault currents or the over pressure on the primary side of the instruments. The full load reading of each ammeter shall occupy the most open part of the scale. The minimum scale reading shall be 150% full load. Each voltmeter shall be calibrated with coil.

12.0 MCCB/MCB

MCCB's /MCBs shall be make of as mentioned in Appx A with ISI marked. MCB shall conform to IS 8828 - 1978. Type of MCB shall be as specified under Schedule 'A'. Unless otherwise specified in the Schedule MCCB shall have fixed thermal & magnetic setting.

13.0 POWER CABLES The LT underground cables shall be 1100 volt grade, 3 1/2 core / 2 core XLPE armored, heavy duty with aluminum conductor of sizes as specified in Schedule 'A' suitable for earthed system and conforming to IS – 1554(Part I).2 The cables shall be laid in trenches at a depth not less than 45 cm plus the radius of complete cable for LT (1100V) from the upper surface of ground to the cable axis. After completion of work the contractor shall submit a cable route chart. The new cables shall be meggar tested before jointing as well as after completion of jointing of cables. Cables shall be tested for High voltage test in addition to tests specified.

14.0 CEMENT : Cement shall be ordinary Portland cement all as specified in Appendix 'A' to particular specifications and shall be procured by contractor at his own cost.

14.0 STEEL AND IRON WORK : Steel and iron work in various situations shall be carried out all as specified in Appendix 'B'

## PARTICULAR SPECIFICATIONS (CONTD..)

15.0 CONCRETE15.1 MATERIALS/AGGREGATE

- (a) Fine aggregate (sand) shall be best available natural sand approved by the Garrison Engineer. The sand shall be hard, dense, strong, durable, clear and free from veins and adherent coating and free from injurious amount of disintegrated pieces, alkali vegetable matters and other deleterious substances. As far as possible flaky, scoraceous and elongated places should be avoided.
- (b) Coarse aggregate for cement concrete work shall be graded crushed or broken stone free from impurities and screened free of dust.
- (c) All fine aggregate shall be from sources approved by Garrison Engineer.

15.2 STRENGTH OF CONCRETE :Samples and testing of concrete shall be carried out as per clauses 4.11 of SSR Part-I, 2009.

15.3 MIXING :Mixing of concrete shall be carried out as specified in clause 4.11.5 and 4.11.5.1 of SSR Part-I, 2009.

15.4 CURING :Curing to concrete surfaces shall be carried out all as specified in clause 4.11.13 of SSR Part-I, 2009.

16.0 SLUICE VALVES

Sluice valves shall conform to IS-14846 PN-1.6. The valves shall be of cast iron with flanged and drilled ends. The body shall be CI with high tensile brass spindle, iron wheel head and suitable for operation in clockwise direction to open.

17.0 GUN METAL GATE VALVE: - There shall be standard of quality Class-I confirming to IS-778 specification bearing ISI Marked.

18.00 GI TUBING GI Tubing shall be of grade & bore as specified under Schedule 'A' conforming to IS-1239 (Part - I) 1979 . GI fittings shall conform to IS - 1239 (Part - II) .Fitting not covered by IS 1239 (Part II) shall comply with the requirement of IS 11879( PartI to X-1987). Laying and jointing of GI pipe shall be carried out in accordance with Clause 18.50 of MES Schedule Part I.

19.0 SYNTHETIC ENAMEL PAINTING: Painting shall comply with requirement given in para 17.2 of MES Schedule Part I. Final finish shall be of glossy finish. Painting as far as possible shall be carried out in dry weather and neatly cut on at edges. All paints shall be synthetic enamel paint 1<sup>st</sup> quality not inferior to that specified in the relevant Indian Standard specifications and shall be of any one of the following brand approved by the GE :-The contractor when so ordered by GE, produce certificates of the brand of paints purchased by the contractor from the manufacturer satisfying the requirement of the relevant IS specifications. Paints for priming coat, under coat and finishing coat shall be of the same manufacturer. Tint of each coat of paint unless otherwise specified shall be approved by the GE.



## PARTICULAR SPECIFICATIONS (CONTD..)

20.0 BALL VALVE : Ball valve shall be of brass high pressure type conforming to IS-1703-1977, the float shall be of polythene high pressure , immersed not more than half of its volume and shall remain closed against test pressure of 1.05 MPA & shall be of approved make. Complete all as specified in clause 18.19 of MES Schedule 2009. makes shall be as mentioned for stop valve

## 21.0 DEMOLITION/DISMANTLING

21.1 Demolition/dismantling shall be done where directed by the Engineer-in-Charge. Necessary precautions shall be taken as specified in SSR Part-I. any damage done to the existing structure shall be made good by the contractor and shall not have any claim whatsoever in this respect, failing which the work shall be carried out at the risk and cost of the contractor.

21.2 The dismantled/demolished items for which department needs credit have been shown in the Schedule of credit. The dismantled/demolished items other than those mentioned in the Schedule of credit shall become Government's property and serviceable items shall be returned by the contractor to MES Store yard and unserviceable materials shall be removed and disposed off outside MD land as directed by Engineer-in-Charge at no extra cost to the department.

22.0 TESTING

22.1 On completion of work entire electrical installation shall be tested by the contractor for the following tests which shall be carried out in accordance with IEE regulations in the presence of and to the satisfaction of Engineer-in-Charge.

- (a) Continuity
- (b) Insulation resistance
- (c) Earth resistance
- (d) Any other test prescribed by Engineer-in-Charge

22.2 All testing equipments, apparatus, materials, labours etc. required for above test shall be provided by the contractor at his own expenses through his resources. The work whose test results do not conform to standard will be redone by the contractor at his own expenses. The result of aforesaid tests shall be recorded jointly and signed (in triplicate) by the contractor and the Engineer-in-Charge

23.0 GUARANTEE

The contractor shall give the guarantee of twelve months from the date of handing over installation to MES /re installation of appliance after repair, The contractor shall be responsible to replace parts if found defective during twelve months of guaranteed period without any extra cost to the Govt. The contractor shall repair, defective parts within fifteen days as reported by Engineer –in-Charge in writing. The condition No 46 of IAFW-2249 shall be amended and read to this extend accordingly.

24.0 PAID VOUCHERS: Contractor shall produce original purchase vouchers/invoices/challans along with Test Certificates wherever applicable from the manufacturers and/or their authorised agents of materials such as GI pipes, sluice valves, lead Bleaching powder, Calcium based granular disinfectant for water treatment while claiming payments duly defaced by Engineer in charge against subject work.

## PARTICULAR SPECIFICATIONS (CONTD..)

25.0 ACCEPTANCE OF MATERIALS : The order of precedence for acceptance of materials to be incorporated in this work shall be as under :-

- (a) Materials with ISI marking.(b) In case of non-manufacture of ISI marked materials conforming to relevant IS (latest edition).(c ) In case of non-availability of materials of (a) & (b) above, the best available Materials in the market as defined in Clause No.1.6 of MES Schedule Part I and approved by GE.

26.0 FIXED IN REPAIRS : Wherever the term used as fixed in repairs shall deemed to include for demolition/dismantling of existing sanitary fittings for fixing new & removing serviceable item to store yard of AGE and rubbish off the premises.

27.0 MISCELLANEOUS : All minor items of construction which are fairly intended for completion of work

are deemed included in unit rates of item of Sch 'A'

28.0 DAMAGE TO EXISTING WORK : Any damage occurred to the existing structures wall etc during the time of execution of work shall be made by the contractor at his own cost and the site of work left clean and tidy on or before completion of work. Rectification/reinstallation, making good etc shall conform to the standard of material originally used in the work and shall match with the existing works in all respects and to the entire satisfaction of the Engr-in-Charge.

Signature of contractor  
Date :- \_\_\_\_\_

Offg AGE (CONTRACTS)  
For Accepting Officer

## PARTICULAR SPECIFICATIONS (CONTD..)

## 1.0 CEMENT

1.1 (a) Procurement:- The cement supplied by the Contractor shall be procured from the Main producers of cement. However where estimated requirements of cement for this work is less than 1200 bags, the Contractor can procure cement from the authorized distributors / dealers of approved firms but the Contractor will have to submit test certificates of the batch issued by the main producers. The particulars of the main manufacturers of cement along with the date of manufacture shall be obtained from the Contractor for every lot of cement separately. The documents in support of the purchases of cement shall be verified by the site staff and GE.

(b) The following are the main producers of cement :-

i) ACC Cements, ii) Ultra tech Cement, iii) The India Cement Ltd., iv) Dalmia Cement, v) Century Cements, Vi) Saurashtra Cement, vii) Mangalam Cement, viii) Birla Corpn Ltd (Cement Division), ix) Orient Cement, x) Shree Cement, xi) JK Cement xii) JaypeeRewa Cement, xiii) Ambuja Cement, xiv) RAMCO cement, xv) NUVOCO, xvi) JK laxmi cements, xvii) Shrigurukrupa cements, xviii) Parasakti, xix) Mahacements,xx) Sanghi cements, xxi) Wonder cements, xxii) Birla shakti cements.

(c) Type and Grade of Cement:- The cement to be used in the work shall be ordinary Portland cement, Grade 43 conforming to IS: 8112-1989. The contractor can use higher grade cement without any extra cost to the Govt.

(d) Testing of Cement

(i) The contractor shall produce manufacturer's test in original along with test sheet giving the result of each physical test as applicable and the chemical composition of cement authenticated copy thereof duly signed by the manufacturer with each consignment.

(ii) The original test certificate shall be kept on record in the office of GE duly defaced by Engineer-in-Charge.

(iii) In addition to production of test certificates as mentioned above the contractor shall provide all facilities to the department for independent testing of cement on Govt. approved laboratories as per IS-3535-1986 and IS-4031 1985 from National Test House SEMT, CME, Regional Laboratories, Govt. approved Laboratories, Zonal Laboratories The cost of such testing shall be borne by the contractor.

(iv) GE reserves the right to get additional samples tests as felt necessary, if he is not satisfied with the consignments. If the test results as per manufacturers certificate or of independent testing at random samples are not as per certificate laid down the relevant BIS provisions the entire lot which is represented by the samples shall be rejected. Such rejected materials shall be removed and replaced by the contractor at his own cost forthwith

## PARTICULAR SPECIFICATIONS (CONTD..)

(vi) The cost of transportation of samples to the approved laboratory/test house and all testing charges shall be borne by the contractor. Testing of cement shall be carried out in Govt. approved laboratories as per IS-4031-1985 and cement brought by the contractor shall be approved and accepted only on satisfactory test results of the tests. All the expenditure for the testing of cement in Govt. approved laboratory shall be borne by the contractor. Since all the facilities for testing of cement as per IS-4031-1985 are not available in Zonal Lab the test results of testing of cement carried out in Zonal Lab shall not be considered as final criteria for acceptance and these results may be considered for comparison of values only if required. In case testing is done on Zonal Laboratory, the recovery shall be made as per annexure 'A' to special condition hereinbefore.

(e) Storage :- Cement shall be stored on dry platform at least 20 cm high from ground in such a manner as to prevent deterioration due to moisture or intrusion of foreign matter. In case of store rooms, the stocks should be at least 20 cm away from floors and walls. Inspections carried out once a day. It shall be ensured that tested and untested cement are segregated and stored separately with distinct identification

(f) Accounting :- Two separate registers, one for Acceptance of cement and the other for daily consumption of cement shall be maintained at site. These registers shall be signed by the Engineer-in-Charge and the contractor or his authorised representative as and when cement is accepted or consumed. The Accepting Officer may order a Board of Officers for random check of cement and verification of connected documents. The contractor shall also ensure that the cement bags are not tampered with and the cement bags contain the specified quantum of cement.

(g) Preservation and Maintenance of Cement:- The cement shall be stacked all as described in para (d) above. The unincorporated cement shall be reshuffled one in every week to avoid deterioration of cement. The cement go down shall be provided with 2 locks on each door. The key of one lock of each door shall remain with Engineer-in-charge or his representatives at site and that of the other lock with the contractor's authorised agent at site of works so that cement is removed from the go down only according to daily requirement with the knowledge of both the parties.

(h) Schedule of Supply:- The contractor shall procure the cement, timely to match with CPM Chart agreed between GE and the contractor. The contractor shall forego his right to demand extension of time if the supply of cement is got delayed due to his failure in placing orders in time to the manufacturer/supplier

(j) PAYMENT:- Receiving of payment of cement shall be governed by condition of IAFW-2249. Payment shall be allowed only after production of tests certificate and original paid vouchers by the contractor.

(k) Measurement:- The entire quantity of cement brought to site shall be recorded in measurement book "not to be abstracted" indicating the reference to manufacturer, source of supply, voucher No. and test certificates before importation in the work and shall be signed by Engr-in-Charge and the Contractor.

## PARTICULAR SPECIFICATIONS (CONTD..)

(I) Cement supply/Acceptance form :- For each consignment of cement acceptance form will be filled in and jointly signed by the Department's representative and contractor and accepted/ rejected by GE before incorporation of the works as per Appendix' C'.

## CEMENT SUPPLY AND ACCEPTANCE FORM

Contract No. :

Name of work:

Control No. :

Date:

Details of Purchase : \*

(i) Particulars of manufacturer:

(ii) Details of supplier (if any):

Details of test Certificate:

(i) No.

Date:

(ii) Particulars of Issuing Authority:

Sl. No.	Nomenclature and grade of cement	IS ref	Sampling as per IS 3535-1980	Physical test as per IS 4031	Chemical analysis as per IS 4032	Remarks
1	2	3	4	5	6	7

\* As ordered.

Remarks with Signature:

JE (Civil)

Engineer-in-Charge

Contractor

Accepted / Rejected

Remarks of:

Inspecting Officer

Signature of contractor

Date :- \_\_\_\_\_

AGE (CONTRACTS)

For Accepting Officer

## Appendix 'B'

## PARTICULAR SPECIFICATIONS (CONTD..)

## 1. STEEL AND IRON WORK

## 1.1 GENERAL

All steel required for the work under the contract shall be procured, supplied and incorporated in the works by the contractor under his own arrangement.

## 1.1.1 Grade and Quality

Steel supplied by the contractor shall conform to the following grades and quality:

## (a) STEEL FOR CONCRETE REINFORCEMENT

(i) Irrespective of what is indicated/shown on drawing reinforcement bars shall be high strength deformed Steel Bars produced by Thermo Mechanical Treatment process (TMT steel bars of grade Fe 500) meeting all the requirements of IS 1786.

(ii) However reinforcement steel for water treatment plants, sewage treatment plant, overhead water tanks and other water retaining structures shall be corrosion resistant steel TMT bars produced from micro alloyed billets.

## (b) STRUCTURAL STEEL

(i) Structural Steel of Standard Quality shall conform to IS-2062 and Grade E 250 (Fe 410 W quality 'A'). This type of steel shall be provided for all structural steel works in the locations mentioned in drawings and in clause 10.4.1 of MES Schedule Part-I.

(ii) Structural Steel "Ordinary Quality" shall be used in guard bars, grills and like and shall conform to E 165 (Fe 290). This type of steel shall be provided in the locations specified in drawing and in clause 10.4.2 of MES Schedule Part-I.

(c) Hard drawn steel wire fabric for concrete reinforcement/Fabric reinforcement shall conform to IS-1566.

(d) Galvanised steel sheets (Plain and Corrugated), shall conform to IS-277 and having minimum zinc coating of 120 gm per Sqm, Grade 'B' corrugation.

Note: Any items of steel specified in clause No. 8.1.1 (a) to (d) above not conforming to grade and quality shall be rejected and the rejected steel items under the particular consignment shall be removed from the site by the Contractor at this own cost within 7 (Seven) days. The contractor will have no claim whatsoever on this account.

## Appendix 'B'

## PARTICULAR SPECIFICATIONS (CONTD..)

## 1.1.2 SOURCE OF PROCUREMENTS:

(A) REINFORCEMENT STEEL (TMT BARS &TMT(CRS))

(a) Reinforcement bars shall be high strength deformed steel bars produced by Thermo Mechanical Treatment process (TMT bars of grade FE-500D) & TMT (CRS) for Water retaining structures meeting all the requirement of relevant IS. The contractor shall procure TMT Bars produced from micro alloyed billets directly from main producer approved by E-in- C's Branch given in subsequentpara.

(b) List of manufacturer are as under:

SI No	Company Name & Brand	Address	Type of steel
1	Rashtriyaspat Nigam Limited (RINL) Brand : "RINL"	Visakhapatnam steel plant Visakhapatnam-530 031,India Tel : (91 891) 518226,518376 Fax : (91 891) 518316 Email : <a href="mailto:cmdvsp@itpvis.ap.nic.in">cmdvsp@itpvis.ap.nic.in</a>	All
2	Tata Iron & Steel Company (TISCO, or Tata Steel) Brand : "TATA"	Bombay House, 2,4 HomiModi Street Mumbai- 400 001, India Tel : (91 22) 204 9131 Fax : (91 22) 204 9522, 287 0840 Email : <a href="mailto:corpcomm@jsr.tatasteel.com">corpcomm@jsr.tatasteel.com</a> (Br office for North : Jeevan Tara Bldg, Patel Chowk, New Delhi)	All
3	Steel Authority of India Limited (SAIL) Brand : "SAIL"	Central Marketing Organization, Northern Region 17 <sup>th</sup> Floor, scope Minar, Laxmi Nagar Distt. Centre, Delhi - 110092	All
4	M/s Jai Balaji Industries Ltd. Brand : "Balaji Shakti"	5 Bentek Street, Kolkata-700001 <u>Delhi Office</u> 510, Block-b, Navrang House 21 Kasturba Gandhi Marg, New Delhi-110001 011-43620219, 43620220 Mob : 7838272772/9958936103 E-mail : <a href="mailto:info@jaibalajigroup.com">info@jaibalajigroup.com</a>	TMT Bars of Gde Fe 500 Fe 500D
5	M/s Shyam Steel Industries Ltd Brand : "SHYAM"	Shyam Towers EN-32, Sector-V, Salt Lake, Kolkata-700091 Tel-033-40074007, Fax-033-40074010, E-mail : <a href="mailto:marketing@shyamsteel.com">marketing@shyamsteel.com</a>	TMT Bars of Gde Fe 500 Fe 500D CRS

6	M/s SPS Steels Rolling Mills Ltd.  Brand : "ELEGANT TMT"	Elegant Towers 68A, Ballygunge Circular Road, Kolkata-700019 Ph-033-2895160/67 Fax-033-22894386 E-mail : <a href="mailto:spsdelhi@spsgroup.co.in">spsdelhi@spsgroup.co.in</a>	TMT Bars of Gde Fe 500/ Fe 500D Fe 550
7	M/s Steel Exchange India Ltd.  Brand : "SIMHADRI TMT"	My Home Laxminivas Apartments, Ameerpet, Hyderabad-500016, A.P. Tel-040-23403725 Fax-040-23413267 E-mail : <a href="mailto:info@seil.co.in">info@seil.co.in</a>	TMT Bars of Gde Fe 500 Fe 500D HSCRM
8	M/s Jindal Steels and Power Ltd, Brand : "JINDAL PANTHER"	OP Jindal Road, Hissar, Haryana, PIN-125005 Tel-+91 1662 222471-84 Fax-+91 1662 220476	TMT Bars of Gde Fe 500/ Fe 500D/Fe 550/Fe 550D
9	M/s SRMB Srijan Pvt Ltd.  Brand : "SRMB"	SRMB House, 7, khetra das lane Kolkata-700012 Tel : 033-6600 6600 Fax : 033-2211 0483	TMT Bars of Gde Fe 500/ Fe 500D/Fe 550/Fe 550D (Size 8-32mm)
10	M/s Concast Steel & Power Ltd.  Brand : "CONCAST MAXX"	21 Hemant Basu Sarani, Suit Nos-511 & 512, 5th Floor, Kolkata-700001 Tel-91-33-2213 0481-87,91-33-2213 0488 Email : <a href="mailto:info@concastgroup.com">info@concastgroup.com</a>	TMT Bars of Gde Fe 500 Fe 500D (Size 8-32mm)
11	M/s Shri Bajrang Power & Ispat Ltd.  Brand : "GOEL TMT"	Vill- Borjhara, Urla Industrial Area, Raipur – 493 221, Chhattisgarh. Tel : 0771 4288019/29/39	TMT Bars of Gde Fe 500, Fe 500D (Size 8-32mm)
12	M/s JSW Steel Ltd.  Brand : "NEOSTEEL"	JSW Centre, Bandra Kurla Complex, Bandra (East) Mumbai – 400051, Maharashtra Phone : 022-42861000 Fax : 022-42863000	TMT Bars of Gde Fe 500 Fe 500D CRS (Size 8-40mm)
13	"BLANK"		
14	M/s Shyam Metalics & Energy Ltd. Brand : "SEL"	Viswakarma, 1 <sup>st</sup> Floor, 86 C, Topsia Road, Kolkata-700046 Ph : +91 33 2285 2212 Website : <a href="http://www.shyamgroup.com">www.shyamgroup.com</a>	TMT Bars of Gde Fe 500, Fe 500D (Size 8-32mm)



15	M/s Kamachi Industries Ltd. Brand : "KAMACHI"	ABC Trade Centre, 3 <sup>rd</sup> Floor (Inside Devi Theatre Complex) Old No. 50, New No.39, Anna Salai, Chennai-600002, India Tel:+91-044-42961100 Fax:+91-044-42961122 E-mail: <a href="mailto:sales@kamachitmt.com">sales@kamachitmt.com</a> Website: <a href="http://www.kamachitmt.com">www.kamachitmt.com</a>	TMT Bars of Gde Fe 500 Fe 500D Fe 550 Fe 550D HCRM (size 8-40mm)
16	M/s BDG Metal & Power Ltd Brand : "BDG 6"	HMP House, 4 Fairlie Place, 5 <sup>th</sup> Floor Kolkata-700001, India Tel:+91-33-4005-9005 Fax:+91-33-4005-9095 E-mail: <a href="mailto:info@goyalgroup.in">info@goyalgroup.in</a> Website: <a href="http://www.goyalgroup.in">www.goyalgroup.in</a>	TMT Bars of Gde Fe 500 Fe 500D Fe 550D (size 8-32mm)
17	M/s Gallantt Metal Ltd Brand:"GALLANTT TMX"	Ward 10BC, Plot No.123, Ground Floor, Gandhi Dham Kutch, Gujrat-370201 Tel:+91-2836-228164 Fax:+91-2836-235787 E-mail: <a href="mailto:gml@gallantt.com">gml@gallantt.com</a> Website: <a href="http://www.gallantt.com">www.gallantt.com</a>	TMT Bars of Gde Fe 500 Fe 500D CRS (size 8-32mm)
18	M/s RashmiMetaliksLtd Brand: "RASHMI TMT"	Premlata Building, 39, Shakespeare Sarani, 6th Floor, Kolkata-700017 Tel: 033-22894255/56 Fax: 033-22894254 E-mail: <a href="mailto:Mkt.domesticdip@rashmigroup.com">Mkt.domesticdip@rashmigroup.com</a> Website: <a href="http://www.rashmigroup.com">www.rashmigroup.com</a>	TMT Bars of Gde Fe 500 (size 8- 32mm) Fe 500D, Fe 550D (Size 8- 25mm)
19	M/s Real Ispat & Power Ltd Brand: "G K TMT"	Vrindavan, Near IDBI Bank Civil Lines Raipur-492001, C.G. Tel: +91-771-4224000 Fax: +91-771-4224010 E-mail: <a href="mailto:real@realispat.com">real@realispat.com</a> Website: <a href="http://www.realispat.com">www.realispat.com</a>	TMT Bars of Gde Fe 500 Fe 500D (size 8- 36mm)
20	M/s Super Smelters Ltd, Kolkata Brand:"SUPER SHAKTI"	Premlata, 39, Shakespeare Sarani 3rd Floor, Kolkata- 700017 Tele/Fax: +91-33- 2289-2734/36 E-mail: <a href="mailto:info@supershakti.in">info@supershakti.in</a> Website: <a href="http://www.supershakti.in">www.supershakti.in</a>	TMT Bars of Gde Fe 500 Fe 500D, Fe 550 (size 8- 32mm)

21	Rashtriya Ispat Nigam Limited (RINL)  Brand: "RINL"	Visakhapatnam Steel Plant Visakhapatnam-530 031, India Tel: (91 891) 518226, 518376 Fax: (91 891) 518316 Email: <a href="mailto:cmdvsp@itpvis.ap.nic.in">cmdvsp@itpvis.ap.nic.in</a>	Structural Steel (Angle, Beam, Column, Channel, Plate)
22	Tata Iron & Steel Company (TISCO or Tata Steel)  Brand : "TATA"	Bombay House, 2, 4 Homi Modi Street Mumbai-400 001, India Tel: (91 22) 204 9131 Fax: (91 22) 204 9522, 287 0840 Email: <a href="mailto:corpcomm@jsr.tatasteel.com">corpcomm@jsr.tatasteel.com</a> (Br office for North : Jeevan Tara Bldg, Patel Chowk, New Delhi)	-Do-
23	Steel Authority of India Limited (SAIL)  Brand: "SAIL"	Central Marketing Organization, Northern Region 17th Floor, scope Minar, Laxmi Nagar Distt. Centre, Delhi-110092	-Do-

B. STRUCTURAL STEEL: The contractor shall procure all structural steel directly from the main producers namely SAIL/RINL/TISCO. However, in case of non availability of structural steel with main producers as above (non availability certificate signed by authorized representative of main producers) structural steel can be procured from approved secondary producers as under with a reduction of 5% (Five percent) of the accepted rates of structural steel. In case the desired section of structural steel is not rolled /manufactured by main producer, there shall be no price adjustment for use of structural steel procured from approved secondary producers.

- (i) M/s KashiVishwanath Steel Ltd  
Kashipur, A-80, Vivek Vihar Phase-I,  
Delhi-110095
- (ii) M/s ShriBadrinarain Alloys and Steel Ltd,  
95, Stephen House, 4 BBD Bag, Kolkata-700001  
Tel: 033 2220, 5381/2248 1601,  
Fax: 033-22488664
- (iii) M/s KL Steel Pvt Ltd  
Post Box No. 61, LalKuan, Bulandshahar Road,  
Gaziabad (UP), Tel: 2867917, Fax No 0210)
- (iv) Amba Shakti Ispat Ltd  
Plot No 6, Phase-II, Industrial Area, Kala Amb,  
Distt: Sirmour-30
- (v) Pushpak Steel Industries Pvt Ltd,  
Gate No 119, Alandi Markal Road, Dhanore,  
Tah: Khed, Pune

## Appendix 'B'

## PARTICULAR SPECIFICATIONS (CONTD..)

C. Non structural steel as for guard bars, hold fast, railing, grill, chowkhat etc galvanized steel sheets and the structural steel where total requirement under the contract is less than 5.00 tons may be procured from authorized dealers of main producers after obtaining permission of the Accepting Officer in writing.

D. The Contractor shall produce original vouchers from main manufacturer's and secondary producers in case of structural steel when allowed due to non availability with main producer for the total quantity of steel supplied, under each consignment and to be incorporated in the work. The original vouchers shall be kept on record of the GE duly defaced by Engineer-in-Charge and authenticated.

E. Steel sections for railing, gates (other than Hanger gates), fencing, guard bars, grills, steel chowkhats hold fasts etc which don't constitute structural members can be procured from main producers, secondary producers/BIS marked manufacturers or their authorized dealers without any minus price adjustment. Tests will not be insisted upon for such steel sections.

F. The galvanized iron sheets and fabric reinforcement for concrete to be supplied by the contractors shall be ISI marked and shall be procured from main manufacturers viz SAIL, RINL, TISCO as brought out in Para 1.1.2 (a) hereinabove.

## 1.1.3 TESTING AND TEST CERTIFICATE

(a) The contractor shall produce manufacturer's Test certificate in original along with the test sheet giving the result of each mechanical test as applicable and the chemical composition of the steel supplied as specified in relevant IS codes, duly signed by the manufacturer with each consignment.

Note: Production of the test certificate in respect of steel required for guard bars, hold fasts, grills and like by the contractor may not be insisted upon.

(b) The original test certificate shall also be kept on record in the office of GE duly defaced by Engineer-in-Charge and authenticated.

(c) In addition to production of test certificate as mentioned in clause 8.1.3 (a) and (b) above, the contractor shall also provide all facilities to the department for independent testing of steel in Government approved Laboratories without any extra cost to the department.

## PARTICULAR SPECIFICATIONS (CONTD..)

## 1.1.4 Minimum frequency of testing for each source and each consignment: -

## (a) Steel for concrete reinforcement: -

(i) Bar size - One sample (3 specimens) for each test less than 10mm dia for every 25 tons or part thereof.

(ii) Bar size 10mm dia- One sample (3 specimens) for each test to 16mm(inclusive) for every 35 tons or part thereof.

(iii) Bar size - One sample (3 specimens) for each test over 16mm dia for every 45 tons or part thereof.

## (b) Structural Steel: -

(i) Tensile test - One test for every 25 tons of steel or part thereof.

(ii) Bend test - One test for every 10 tons of steel or part thereof.

(c) CHEMICAL TEST: Chemical test shall be carried out to ascertain chemical composition, which shall conform to the norms laid down in relevant IS-Codes.

(d) Bend test and tensile test for structural steel shall be carried out as per IS-2062. For high strength deformed bars tensile, bend test and rebend test shall be done as per IS-1786. For MS bars tensile and bend test shall be carried out as per IS-432.

(e) GE has the right to get one more sample (3 specimen) tested if he is not satisfied with the consignment. However testing charges for the additional sample over and above frequency given in clause 12.1.4 above shall be borne by the department.

(f) All testing charges shall be borne by the contractor in case the test results as per manufacturers test certificates or of independent testing of random samples are not as per criteria laid down in the approved laboratory/test house. However in any case cost of transportation of samples (to and for) to the approved laboratory and all testing charges shall be borne by the contractor.

## Appendix 'B'

## PARTICULAR SPECIFICATIONS (CONTD..)

- 1.1.5 RING TEST FOR TMT BARS: Ring test for the nitric acid and methanol for 24 hours immersion shall be carried out for all diameters of TMT bars as specified in IS and as directed by GE.
- 1.1.6 STORAGE: Steel supplied by the Contractor shall be stored in accordance with the requirement of ISS. Each grade and quality of steel shall be stored separately and have identification tacks indicating the source, quality and grade.
- 1.1.7 PRESERVATION AND MAINTENANCE OF STEEL: The steel brought by the contractor shall be preserved to ensure that no rusting takes place till it is incorporated in the works.
- 1.1.8 SCHEDULE OF SUPPLY: The contractor shall procure the steel sections, timely as required in accordance with CPM chart, agreed between GE and the contractor. Memorandum of understanding (MOU) has been signed by dept with SAIL (one of the producer of steel) for supply of steel of MES works to contractor based on their demand directly to the firm. In case contractor faces difficulties in procurement of steel from primary producer, he shall contact GE who will in term help him in procurement of steel from primary producers. The contractor will forfeit his right to demand extension of time if the supply of steel got delayed due to his failure in placing order in time to the manufacturer/supplier.
- 1.1.9 PAYMENT: Receiving payment of steel shall be governed by in accordance with condition 64 of IAFW-2249. Payment shall be allowed only after production of test certificate and purchase vouchers from main manufacturer/producer.
- 1.1.10 MEASUREMENT: The entire quantity of steel brought to site shall be recorded in Measurement Book "NOT TO BE ABSTRACTED" indicating the reference to manufacturer, source of supply, voucher number, and test certificate before incorporation in the work and shall be signed both by the Engineer- in-Charge and the Contractor. Proper documentation/ record shall be maintained as per the instructions on the subject.
- 1.1.11 WEIGHT CONVERSION: Weight of steel supplied by the contractor shall be calculated at unit weights given in ISI conversion table or manufacturer's certificate shall be followed if the weights are not available in ISI tables.
- 1.1.12 Normal waste and off cuts shall be stacked neatly which shall be the property of the contractor. Contractor shall be allowed to remove such cut pieces after inspection and certification by the Engineer-in-Charge.
- 1.1.13 Advance on account of payment made towards these cut pieces shall be recovered from advance on account of payment immediately falling due and before removal of such cut pieces from site.

## Appendix 'B'

## PARTICULAR SPECIFICATIONS (CONTD..)

1.1.14 Bending and fixing of bars for concrete reinforcement including mild steel wire for binding shall be carried out all as specified in MES Schedule.

1.1.15 Hooks shall be provided only for mild steel bars. In case of cold twisted/deformed steel bars ends shall be bent instead of hooks as shown on drawings/specified in relevant IS.

1.1.16 Binding wire for reinforcement shall be mild steel wire (annealed) of size not less than 0.9 mm.

## 1.1.17 STEEL SUPPLY/ACCEPTANCE FORM

For each consignment of steel supply/acceptance form will be filled in and jointly signed by the department Rep (AGE/JE) and contractor and accepted/rejected by GE before incorporation in the works as per Annexure 'A'.

1.2 WORKMANSHIP: Workmanship shall be as specified in MES schedule as applicable.

1.3 WELDING: Welding shall be in accordance with clause 10. OF SSR Part-I.

1.4 STEEL REINFORCEMENT: Provide reinforcement as shown on drawings in accordance with clauses 10.17 of SSR Part-I, (as applicable). Notes on drawing and Notes on RCC work will be followed in further reference to MES Schedule. For pricing deviations please ref Schedule 'A' notes. The length of each bar for the purpose of omission DO only, shall be considered as Ten (10.0) metres for calculating laps.

Signature of contractor  
Date :- \_\_\_\_\_

AGE (CONTRACTS)  
For Accepting Officer

M/S DHARMESH ENTERPRISES

NAME OF WORK : COMPREHENSIVE MAINTENANCE OF CHLORINATION PLANT,  
FILTRATION PLANT AND CERTAIN CONNECTED ITEMS UNDER THE AOR OF GE  
DEVLALI

Dear Sir(s),

1. Tender documents for the above mentioned work to be downloaded from [www.eprocuremes.gov.in](http://www.eprocuremes.gov.in) Technical bid (cover-1) and financial bid (cover-2) to be uploaded online as per the date mentioned in NIT or website. Technical bid (cover-1) will be opened as per the date mentioned in website for evaluation of applications. The date of opening of price bid (cover-2) will be informed online to the selected applicants.

2. Information/documents (forming part of this contract) mentioned here in below are not enclosed with these documents. These are available for perusal in the offices of the GE Deolali :-

- |                                    |   |  |
|------------------------------------|---|--|
| (a) IAFW-2249 (1989 Print )        | - | General Conditions of contracts including errata & amendments. |
| (b) Schedule of Minimum fair wages | - | As per latest Government of India Notification.                |

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

4. MES will provide water supply at point/points marked in the site plan if any or as shown near to site by GE / Engineer in Charge. The contractor shall express his willingness or otherwise at the time of submission of tender to draw water from MES. In the absence of any specific option it will be presumed that contractor is willing to draw water from MES.

5. Sales Tax/turn over tax on works contract, Workers Welfare fund tax, GST Value Added Tax (VAT) & GST levied by Government shall not be reimbursed to the contractor and the contractor's quoted rates shall be deemed to include all taxes and duties including recovery of income tax and sales tax /Turn over tax on works contract which is deductible at source.

6. Conditional tender is not acceptable to the Government.

- (a) The tenderer is not permitted to make any condition or alteration or insertion in the tender documents other than the amendments issued by the Department. The applicability of amendment issued by the Department remains hold good irrespective of the amendment carried out by the tenderer in their offer.

(b) Any condition/stipulation/insertion etc without showing it in the tenderer's tender forwarding letter will not be accounted during scrutiny and the effect shall be ceased in case the tender is accepted.

(c) You are requested to ensure that all errata/amendments/ issued prior to the due date are accounted in your offer.

7 Instructions for filling and submission of tenders are also enclosed herewith for strict compliance. This letter and the instructions shall form part of the contract and shall be returned duly signed along with the tender documents.

8 (a) For the contractors who are not enlisted with the MES / who are enlisted but have not executed the Standing Security Bond :-

(i) The amount of "Earnest Money" for the work shall be furnished in the prescribed form along with technical bid (cover-1).

(ii) Earnest money shall be submitted along with the tender in one of the following norms

(a) Deposit at call Receipt from any scheduled bank drawn in favour of GE Deolali

(b) Receipt of treasury challan, the amount being credited to the Revenue deposit of GE Deolali. Tenderers shall note that no other form of earnest money is acceptable.

(iii) Technical bid (cover-1) uploaded by an un-enlisted contractor, if not accompanied by acceptable form of earnest money, shall be treated as non-bonafide and shall be rejected.

9 The bidder shall download price bid from e-procurement portal and enter his rates in figures only in the financial bid (cover-2) and upload the same

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

Yours faithfully,

SIGNATURE OF CONTRACTOR

Dated:-

AGE (CONTRACTS)

FOR ACCEPTING OFFICER



**INSTRUCTIONS FOR FILLING AND SUBMISSION OF TENDERS**

1.0 (a) The bidder shall submit his application alongwith requisite documents in (cover-1) and quoted bid / quoted tender in (cover-2) in the form of E-tendering at [www.eprocuremes.gov.in](http://www.eprocuremes.gov.in) on or before date and time of submission of documents as indicated in appendix 'A' to NIT or as subsequently amended through corrigendum / amendments.

(b) The documents shall be opened on or after the prescribed date and time fixed for opening of tender as mentioned in Appendix 'A' to NIT.

(c) The bidder shall submit original copy of his application, DD/BC, MOU and other documents as uploaded in (cover-1) before the schedule date and time of opening of bid in the Office of Garrison Engineer ,Onslow Road, Deolali- Nashik 422401.

1.1 In case of tenders for specialist works like air conditioning, refrigeration, Earnest money shall be deposited before submission of tenders.

1.2 Facilities for execution of Bank Guarantee for certain purpose are available to the contractors as detailed hereinafter :-

(a) Security Deposit/Additional Security Deposit for individual works covering the contract period and maintenance period of one year thereafter.

(b) Retention Money for payment of running account.

2.0 **EARNEST MONEY**

2.1 (a) Tenders issued to contractors who are not enlisted with MES/who are enlisted but have not executed the SS Bond.

(b) Earnest Money as indicated in Appendix 'A' to Notice of Tender in one of following forms shall be submitted

i) Deposit at call receipt from the Scheduled Bank in favour of GE as indicated in Appendix 'A' to Notice of Tender.

ii) Receipt Treasury Challan the amount credited to the Revenue Deposit in favour of GE as indicated in Appendix 'A' to Notice of Tender.

Note: Earnest Money in the form of Cheque/Bank Guarantee etc., will not be accepted

2.2 **NON SUBMISSION OF EARNEST MONEY WILL RENDER THE TENDERER AS NON BONAFIDE AND CONSEQUENTLY IGNORED**

2.2.1 **INDIVIDUAL SECURITY DEPOSIT :-** The amount of individual Security Deposit would be the amount calculated with reference to the tendered cost as per the scale laid down by the MES for the calculation of earnest money enhanced by 25 % subject to a maximum of Rs.18,75,000/-.

2.3 **TENDERS ISSUED TO CONTRACTORS WHO ARE ENLISTED AND HAVE LODGED THE SSD BUT OF A LOWER**

**CLASS** :- The amount of 'Additional Security Deposit ' for the work in case of the tender is accepted will be notified by the Accepting Officer. The amount of additional security deposit would be the difference between the individual security deposit calculated with reference to the 'TENDERED COST' as per the scale laid down by the MES for calculation of Earnest Money enhanced by 25 % and the "Standing Security Deposit" lodged. Refer condition 22 of IAFW-2249.

### **3 POWER OF ATTORNEY**

3.1 The tender should be accompanied by a certified true copy of the power of attorney of the signatory to the documents. If the tender is submitted on behalf of a firm, it must be signed by all partners or some person holding valid power of attorney from all partners constituting the firm. The person signing the tender on behalf of another partner or on behalf of a firm shall attach the tender a proper power of attorney duly executed in his favour by such other persons or by all the partners stating that he has authority to bind such other person or the firm, as the case may be in all matters pertaining to the contract including arbitration clause.

### **INSTRUCTIONS FOR FILLING AND SUBMISSION OF TENDERS (CONTD..)**

3.2 Even in case of firm which have already granted power of attorney to an individual authorising him to sign tenders and contract documents on behalf of the firm and in pursuance of which tenders are being signed by such person as a routine fresh power of attorney duly executed in his favour by all the partners of the firm stating specifically that the person has authority to bind such partners of the firm, as the case may be to the condition relating to arbitration clause should be submitted with the tender unless such authority has already been given to the person concerned by the firm.

3.3 Power of attorney shall be executed as indicated below:-

- (a) In the case of an individual, power of attorney shall be executed by the proprietor/principal i.e. contractor himself.
- (b) In the case of partnership concern, power of attorney shall be executed by all partners.
- (c) In the case of company, power of attorney shall be executed in accordance with the constitution of the company.

### **4. PERFORMANCE SECURITY DEPOSIT:**

4.1 Within 28 days of receipt of the letter of Acceptance, the successful contract shall deliver to the Accepting Officer a Performance Security Deposit in any of the forms given below for an amount equivalent to 5% of the contract sum.

[a] A Bank Guarantee in the prescribed form.

[b] Government Securities, FDR from approved banks or any other Government Institutions stipulated by the Accepting Officer.

4.1.1 The full amount of Performance Security Deposit for each contract shall be given by the contractor in any one of the forms stipulated above, mix of forms for the same contract shall not be allowed.

4.1.2 The period of validity of the Bank Guarantee Bond / FDR against Performance Security Deposit shall be upto and including the scheduled date of expiry of Defects Liability Period.

4.2 If the performance security is provided by the successful contractor is 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.

4.3 Failure of the successful contractor to comply with the requirement of Performance Security Deposit as stated above shall constitute sufficient grounds for cancellation of the award of work and forfeiture of the Earnest Money. In case of MES enlisted contractors, amount equal to the Earnest Money stipulated in the NIT shall be notified to the tenderer for depositing the amount through MRO. Issue of tender to such tenderers shall remain suspended till the aforesaid amount equal to the Earnest Money is deposited in Government Treasury.

4.4 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 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 any reason of any such deduction or sale as aforesaid, the contractor shall within ten days thereafter make good in cash or securities, endorsed as aforesaid, any sum or sums which may have been deducted from or realized by the sale of his Performance Security or any part thereof.

4.4.1 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.

4.5 In the event of contract being cancelled, under Condition 52, 53 and 54 of General Conditions of contract IAFW-2249, the Performance Security and Retention Money upto last paid RAR shall be forfeited in full and shall be credited into Consolidated Fund of India. All T&P and material of contractor lying at site shall be confiscated by the Government and shall be absolutely at the disposal of the President of India and No compensation whatsoever shall be allowed by the department and the firm shall be barred from participating in the tender for the balance work.

## 5.0 GENERAL INSTRUCTIONS FOR COMPLIANCE

5.1 The contractor shall employ only Indian Nationals after verifying their antecedents and loyalty. Attention is also drawn to special condition 24 & 25 of IAFW –2249, General Conditions of Contracts.

5.2 The department may issue amendments/errata to the tender documents before due date of submission of tenders. The tenderer is required to read the tender document in conjunction with amendments, if any, issued by the department.. In case the amendments/errata issued are incorporated by the tenderer in the body of the tender they shall not be considered and the amendments/errata to tender documents as issued by the department shall only hold good.

5.3 In the event of lowest tenderer revoking his offer or revising his rates upward / offering voluntary reduction, after opening of tenders, 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 for depositing the amount through MRO. Issue of tender to such Contractors shall remain suspended till the aforesaid amount equal to the earnest money is deposited in Govt Treasury. In addition, such tenderer and his related firm shall not be issued the tender in second call or subsequent calls. No other disciplinary/administrative action shall be taken against such tenderers. On revocation or upward revision of offer by lowest tenderer, next lowest offer shall not be accepted, instead re-tendering shall be resorted to in transparent and fair manner. Reduction offered by the tenderer on the freak high rates referred for review shall not be treated as voluntary reduction.

5.4 The tender will only be accepted in the electronic form. All bids shall be submitted on "eprocuremes.gov.in" portal. Documents should be scanned and forwarded in 'pdf' and 'xls' form as indicated.

5.5 Tender shall be forwarded on 'eprocures.gov.in' portal on or before the bid closing date mentioned in the tender. No tender in physical form will be considered

5.6 Tender should be DIGITALLY signed using valid DSC. All pages of tender documents, correction/alterations shall be signed/initialled by the tenderer after acceptance.

5.7 Drawings (if applicable) must be returned duly initialled by the tenderer documents in separate envelope indicating his name and address.

5.8 The tender shall be signed, dated and witnessed at all places provided for in the documents after acceptance. All corrections shall be initiated. The contractor shall initial every page of tender. Contractor shall sign all drawings forming part of the tender. Any tenderer, which proposes alterations to any of the conditions whatsoever, is liable to be rejected.

5.9 The tender shall be accompanied by a scanned copy of Power of Attorney in favour of the signatory to the tender documents. In case the signatory himself is the sole proprietor, 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, 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 matter 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 signing the tender on behalf of another partner(s) or on behalf of a firm or company shall attach 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 by the Partner(s) or in accordance with constitution of the company in case of company, stating that he has authority to bind such other person of the firm or the Company as the case may be, in all matters pertaining to the contract including the Arbitration clause.

5.10 Even in case of firms or companies which have given power of Attorney to an individual authorizing him to sign tender in pursuance of which tenders are being signed 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 submitted in 'pdf' form with the tender/bid, unless such authority has already been given to him by the firm or the company. It

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shall be ensured that power of attorney shall be executed in accordance with the constitution of the company as laid down in tis memorandum and Article of Association.

5.11 Bid (cover 1 & 2) shall be submitted online well in time.

5.12 The tenderer shall quote his rate on the BOQ file only. No alteration to the format will be accepted or the bid will be disqualified.

5.13 In case the tenderer has to revise/modify the rates quoted in the BOQ (excel sheet) he can do so only in the BOQ, through eprocures.gov.in site only.

5.14 In case a tenderer has to revise his offer, he can do so through the eprocuremes.gov.in site only before the bid closing time and date.

6.00 Tenderers to upload their copies of Employees Provident Fund Code number in addition to other documents. Failing which the 'T' bid will be disqualified in evaluation and finance bid shall not be opened.

7.00 Tenderers to upload their copies of GST Registration Number in addition to other documents. Failing which the 'T' bid will be disqualified in evaluation and finance bid shall not be opened.

8.00 DEFECTS LIABILITY PERIOD: The defects liability period for the subject contract shall be Twenty four calendar months after the works have been handed over to Government. The defects liability period as mentioned in Condition 46 of IAFW-2249 shall be read as 24 Months after the works have been handed over to Government.

9.00 REFUND OF PERFORMANCE SECURITY: The Performance Security Deposit mentioned above may be refunded to the contractor after expiration of the defects liability period [Twenty four calendar months after the works have been handed over to Government] by the GE provided always that the contractor shall first have been paid the final bill and have rendered a No-Demand Certificate [IAFW-451]. If any recovery is outstanding against the contractor, the release of Performance Security Deposit is subject to the compliance of the procedure for effecting recovery / withholding the due amount as stipulated in Condition 67 of IAFW-2249 as amended.

SIGNATURE OF CONTRACTOR

Dated:-

AGE (CONTRACTS)

FOR ACCEPTING OFFICER