

**OFFICE OF THE SPECIAL DG OF POLICE, J&K ZONE HQR,
CRPF, BANTALAB, JAMMU,J&K**

No. B.V-7/2026-27-JKZ -C-CELL (GC NDA SAP)

17-04-2026

TECHNICAL SANCTION

Name of Work	Construction of Semi- permanent structure (size 20'x20') for RO Plant at Group Centre CRPF Greater Noida (UP)
Head of Account	"Building & Structures (SAP)"
Sanction Order No.	59/DG/Building & Structure (SAP) Works/2025-26 dated 23/03/2026
Competent Financial Authority	DG CRPF
AA&ES Amount	Rs. 7,47,377/- (plus ESI & EPF shall be reimbursed on actual claim basis)
Estimated Cost Put to Tender	Rs. 7,47,377/-
EMD Amount	Rs. 14,948/-
Work Completion Period	60 Days
Type of Tender	Open Tender
Bid Validity Period	The tender shall remain open for acceptance till 90 days from the date of opening of Tender.
The Detailed Estimate is Technical Sanctioned for Rs.7,47,377/- (Rupees Seven Lakh Forty Seven Thousand Three Hundred Seventy Seven) only	

Technical Sanction for the subject work amounting to Rs.7,47,377/- (Rupees Seven Lakh Forty Seven Thousand Three Hundred Seventy Seven) only under the Head "Building & Structures (SAP)" is hereby accorded.

17-04-2026

DEVESHWARA NAND BHATT

DIG(ENG)-WORK-DG

OFFICE OF DIG(ENGG)-DTE

For and on behalf of the President of India

GOVERNMENT OF INDIA, MINISTRY OF HOME AFFAIRS
CENTRAL RESERVE POLICE FORCE
O/o THE SPL. DIRECTOR GENERAL, JAMMU AND KASHMIR ZONE HQR
PIN-181123
CONTACT NO. :- 0191-2957920

Tender Reference No. B.V-7/2026-27-JKZ -C-CELL (GC NDA SAP)
2026

17-04-

NOTICE INVITING E-TENDER

The DIG Engineer, CRPF Works Directorate for and on behalf of the President of India invites online tenders under two bid system (Technical and Financial bid) from registered firms/contractors for the work of “**Construction of Semi-permanent structure (size 20’x20’) for RO Plant at Group Centre CRPF Greater Noida (UP)**”.

2. Bids will be accepted online at CRPF website (<http://crpf.nic.in/tender-notice.htm>) and at e-Procurement website <http://eprocure.gov.in/eprocure/app> (CPPP).
3. All relevant details, including specification, terms & conditions etc. are available on CRPF website (<http://crpf.nic.in/tender-notice.htm>) and at e-Procurement website <http://eprocure.gov.in/eprocure/app> (CPPP) and same may be downloaded by the bidders.
4. For any changes/amendment in Tender Enquiry/Specifications etc., tenderers are requested to visit the CRPF /CPPP web sites / portals regularly.
5. Approximate Cost of Estimate is **Rs. 7,47,377/-**
6. **The EMD is: Rs. 14,948/- in the favour of The DIG GC CRPF, Greater Noida** (Original copy of EMD & Tender Acceptance letter are required to be submitted offline (**manually**) in a sealed envelope superscripted with full address of the firm, tender enquiry/notice number & date, name of work, date and time of opening etc. physically dropping it in the Tender Box at Office of the Contract Cell J&K Zone HQR CRPF Jammu.)
7. Date of availability of tender on CRPF website: As per CPP Portal
8. **In case of any problem please contact on telephone numbers 0191-2957920**

17-04-2026

DEVESHWARA NAND BHATT

DIG(ENG)-WORK-DG

OFFICE OF DIG(ENGG)-DTE

For and on behalf of the President of India

Copy forwarded to the DIG (IT), Dte. General, CRPF, along with a soft copy of E-Tender Enquiry for publication of the TE on CRPF website. (Through Selo).

A. SCHEDULE TO TENDER

Schedule to Tender No. :	Tender Reference No. B.V-7/2026-27-JKZ -C-CELL (GC NDA SAP)						
Last date and time of receipt of on-line & Manual documents of tender :	As per CPP Portal, Note:- Original copy of EMD & Tender Acceptance letter are required to be submitted offline (manually) in a sealed envelope superscripted with full address of the firm, tender enquiry/notice number & date, name of work, date and time of opening etc. physically dropping it in the Tender Box at Office of the Contract Cell J&K Zone HQR CRPF Jammu.						
Time and date of on-line opening e-tender :	As per CPP Portal						
Validity of offer :	The tender shall remain open for acceptance till 90 days from the date of opening of Tender.						
S	Ref.	Name of work &	Earnest	Esti	Pe	Last	Time
I.	No.	Location	Money	mat	ri	date	& da
N				ed	od	& tim	te of
o				cos	of	e of	open
.				t	C	Subm	ing o
					o	ission	f ten
					m	of ten	der
					pl		
					eti		
					on		

01	B.V-7/2026-27-JKZ-C-CELL (GC N D A S AP)	“Construction of Semi-permanent structure (size 20’x20’) for RO Plant at Group Centre CRPF Greater Noida (UP)”.	Rs. 14,948/- in the favour of The DIG GC CRPF, Greater Noida	Rs. 7,47,377/-	60 days	As per CPP Portal	As per CPP Portal
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(B) Terms and conditions are as under

1.	<p>1.1 Rates quoted by the Contractor should be in Indian Rupees both in figures as well as in words for complete units as per specifications any and every alteration in the rates should be signed in ink otherwise the offers will not be considered.</p> <p>1.2 Contractor should clearly indicate different taxes and duties, which they propose to charge as extra along with the present rates thereof. Offers with such stipulations like ‘as applicable’ will be treated as vague and are liable to be ignored.</p>
2.	<p>2.1 Works are required to be executed on credit basis only and payment will be made after drawl of amount from RPAO, CRPF</p> <p>2.2 The Payment action will be processed on production of the following documents :-</p> <p>a) Bill in Triplicate.</p> <p>b) A Copy of award of work.</p> <p>c) A copy of Certificate issued by the The DIG GC CRPF, Greater Noida that contracted work for the period for which payment has been claimed, has carried out by the contractor satisfactory.</p> <p>2.4 TDS, Labour Cess and other taxes will be deducted from the Bill of contractor by RPAO as per norms.</p> <p>2.3 Tenderers are requested to check physically the location where the work “CONSTRUCTION OF SEMI- PERMANENT STRUCTURE (SIZE 20’X20’) FOR RO PLANT AT GROUP CENTRE CRPF GREATER NOIDA (UP)” is to be carried out and other technical details before submitting the tender. TEC detailed by the J K Zone CRPF Bantalab Jammu, will check Financial bid of only those firms which qualify in technical bid.</p>
3.	<p>3.1 All the contractors are required to deposit required earnest money Rs. 14,948/-o</p>

E ar n e st M o n e y D e p o s i t	<p>nly</p> <p>Note:- Original copy of EMD & Tender Acceptance letter are required to be submitted offline (manually) in a sealed envelope superscripted with full address of the firm, tender enquiry/notice number & date, name of work, date and time of opening etc. physically dropping it in the Tender Box at Office of the Contract Cell J&K Zone HQR CRPF Jammu.</p> <p>3.2 The earnest money can be deposited through any of the following alternative forms:</p> <p>(a) A DD/FDR drawn in the favour of The DIG GC CRPF, Greater Noida, Cash EMD will not be accepted.</p> <p>(b) An irrevocable Bank Guarantee of any nationalized, scheduled bank or reputed commercial bank in the attached format as at Appendix-A.</p> <p>3.3 The earnest money shall remain valid and to be deposited with the purchaser for a period of 90 days from the date of tender opening. If the validity of the tender is extended, the validity of the Bank Guarantee/or any other alternate document submitted in lieu of earnest money will also be suitably extended by the tenderer, failing which their tender after the expiry of the aforesaid period shall not be considered by the purchaser.</p> <p>3.4 No interest shall be payable on the earnest money deposited by the tenderer.</p> <p>3.5 The earnest money deposited is liable to be forfeited if the tenderer withdrawn or amends impairs or derogates from the tender in any respect within the period of validity of his tender.</p> <p>3.6 The earnest money of the successful tenderer shall be returned after the performance security deposit as required in terms of the contract is furnished by the tenderer.</p> <p>3.7 If the successful tenderer fails to furnish the security deposit as required in the contract within the stipulated period, the earnest money shall be treated as performance security deposit for all practical purposes.</p> <p>3.8. Earnest money deposits of all the unsuccessful tenderers will be returned as early as possible after the expiry of bid's validity, but not later than 30 days after placement of contract. Tenderers are advised to send a pre receipt challan along with their bids so that refund of earnest money can be made in time.</p> <p>3.9. Any tender, where the tenderer is required to deposit earnest money in terms of conditions mentioned in preceding paras, not accompanied with earnest money in any one of the approved forms acceptable to the competent authority, shall be summarily rejected.</p>
4. P er fo r m a n c e S e	<p>4.1. The successful contractor shall have to deposit a Performance Security (a) 5% of tendered value or (ECPT) Estimated cost put to tender (whichever is higher) (b) Where the tendered amount is less than eighty percent (80%) of the Estimated cost put to tender, the performance guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount within 07 days from the date of award of contract of the work to be executed within 07 days from the date of issuance of Letter of Intenet/Tender Acceptance Letter for due performance. Failure on the part of the firm to Deposit the Performance Security Deposit within the stipulated time empowers the competent authority to cancel the contract.</p>

c ur ity D e p o sit	<p>4.2. The Performance Security Deposit submitted by the contractor will remain valid at least for 6 Months beyond the date of completion of work as well as all contractual obligations of the supplier including guarantee/warranty obligations.</p> <p>4.3. The performance security deposit can be deposited in any of the following alternative forms :</p> <p>(a) A FDR/DD/drawn in favour of The DIG GC CRPF, Greater Noida</p> <p>(b) An irrevocable Bank Guarantee of any nationalized/Scheduled Bank or reputed commercial bank in any other form prescribed.</p> <p>4.4. If the contractor fails to start the work within the stipulated period and places an d requests for extension of time, he shall submit an undertaking on Non Judicial stamp paper of Rs.10/- duly attested by the Notary public stating that the performance security deposit has already been extended for sixty days beyond the guarantee/warranty period.</p> <p>4.5. The Performance Security Deposit shall be withheld or forfeited in full or part in case the work order is not executed satisfactorily within the stipulated period or requisite standard within the guarantee period is not undertaken to the best satisfaction of the user.</p>
5. El igi bil it y of C o nt ra ct or	<p>5. The Tenderer should be a Govt. registered like CPWD, MES, BRO, NBCC, State PWO, Any other PSU participating.</p> <p>5.1 1. The enlistment of the contractor should be valid on the last date of submission of Bids.</p> <p>5.2 2. In case the last date of submission of Bid is extended, the enlistment of the contractor should be valid on the original date of submission of Bids.</p> <p>5.3 3. Supply order as an experience certificate will not be considered, In case of execution of work/ repair and renovation work.</p> <p>5.4 4. Attested copy of registration in any Govt. Deptt. as approved contractor (Registration details showing appropriate class and category).</p> <p>5.5 5. A copy of Registration Certificate as a “Contractor” issued by competent authority of CPWD/MES/NBCC/BRO/Other Central Govt. Departments/ State PWO or Equivalent is mandatory to be uploaded with the tender documents by the Bidder (s). In case validity of enlistment/registration/trade license expired and the concerned firm has applied for renewal to the concerned department or ministry, the relevant documents of such renewal application along with undertaking of the firm should be essentially submitted with their bid.</p> <p>5.6 6. All Firms are required to submit Eligibility documents of executing similar works.</p> <p>(1) Experience of having successfully completed works during the last 5 years ending previous day of last date of submission of tender’s three similar completed works, each costing not less than the amount equal to 40% of estimated cost put to tender.</p> <p style="text-align: center;">OR</p> <p>Two similar completed works, each costing not less than the amount equal to 60% of the estimated cost put to tender.</p> <p style="text-align: center;">OR</p> <p>One similar completed work of aggregate cost not less than the amount equal to 80% of the estimated cost</p>
6. T	<p>6.1. Since the work to be undertaken is of a complex and technical nature, bids are required to be submitted in two parts as under :-</p> <p>6.2. Bids will be accepted only On-line at e-procurement web site http://eprocure.gov.in/eprocure/app (CPPP).</p>

W O B I D S Y S T E M :-	6.3 Technical bid :- Following documents and information to be fulfilled and submitted as part of technical bid:- Original and offline to be dropped in the tender box in a sealed envelope before bid submission closing date:-	
	Sl. No.	Name of documents
	Description of documents	
01	Tender Acceptance Letter (To be given on Company Letter Head)	APPENDIX- F, duly signed by bidder.
02	EMD document to be deposited in original	To be submitted offline in original.

Note:-

- Original copy of EMD & Tender Acceptance letter are required to be submitted offline (manually) in a sealed envelope superscripted with full address of the firm, tender enquiry/notice number & date, name of work, date and time of opening etc. physically dropping it in the Tender Box at Office of the Contract Cell J & K Zone HQR CRPF Jammu.
- No other documents other than original EMD and original tender acceptance letter needs to be submitted Offline (If the bidder fails to submit the original EMD as well as Tender acceptance letter in offline as specified then his tender will be liable to be rejected summarily)
- On due date & time, the technical bid will be opened and evaluated by the appropriate committee. Bids which will be accepted in technical bid evaluation stage will be considered for opening of financial bid. No financial bid will be opened in respect of bids which are technically disqualified.
- Failure on uploading/furnishing the requisite documents under Technical bid will lead rejection of their technical bids in straight away. The rejected bidder in Technical Bid can represent to the tender authority i.e. accepting Officer within 72 hours after technical evaluation is published on CPPP in writing physically or through E-mail i.e. coengjkz@crpf.gov.in . The decision on the same by accepting Officer will be the final and binding. The bidder shall have no right of remedy hereafter.

6.4 Scanned copy of Documents to be submitted in tender web site <http://eprocure.gov.in/eprocure/cPPP>:-

S N o	Name of documents	Description of documents
1	Tender Notice	All pages of tender notice duly signed by authorized person and seal of the firm marked.
2	CPWD/MES/NBCC/BRO/Other Central Govt. Departments/ State PWO or Equivalent (MSME registration certificate will not consider as firm re	

	gistration certificate).	
3	PAN card details	
4	Scan copy of EMD	
5	Scan copy of Tender Acceptance Letter	
6	GSTIN/ Firm registration certificate	
7	Bank guarantee for furnishing performance security deposit	APPENDIX-B
8	Performance statement of last Five years with work completion certificate & Work order also. (As per NIT Clause 5.6.1)	APPENDIX-C
9	List No. 01 (Must be filled in all respect)	APPENDIX-D
10	Questionnaires/ Check list (Must be filled in all respect)	APPENDIX-E
11	Tender acceptance letter (duly filled)	APPENDIX-F
12	Index of Documents (Indicate page number of tender documents required). (Must be filled in all respect)	APPENDIX-G
13	Integrity pact (duly filled)	APPENDIX-H
14	Last three year income tax return (2022-23, 2023-24, 2024-25) and last 03 Year annual average turnover certificate copy attested by CA.	[Bidder should have annual average turnover during the last three years, ending 31st March of the previous financial year, should be at least 30% of the estimated cost. [Note :- Any false and/or inadequate information may result in rejection of the tender]
15	EPF&ESI Registration certificate.	
16	Banker's Certificate/ Solvency certificate	From the authorized bank in India (The contract or must have a solvency at least 25% of Estimated Cost put to tender (ECT) duly certified by the Banker. Please note that the solvency certificate should not be more than 06 months old prior to the date of submission of tender or should have validity as on last date of submission of tender. [Note:-Format of solvency certificate is given in Annexure-II for the purpose of guidance]
17	Any other Related document	

6.5 Work completion certificate of similar nature of work with performance statement submitted with documents.

6.6 Second Cover (Financial price bid) :- Details of documents required to be fur

nished/submitted by all the bidders in Financial Bid for participating in the bidding process are as under

- Details of rates, taxes duties and discounts, if any, be quoted by the bidder in **BOQ** which is an MS Excel sheet and should be downloaded from the e-procurement site https://eprocure.gov.in/eprocure/app_
- Rates must be clearly written in figures as well as in words.
- Name of bidder must be written in the appropriate filed of BOQ by each bidder.
- The Financial Bid only be accepted through online in BOQ format and **Offline price bid will not be accepted.**

6.7 Price should be quoted for each work as per enclosed **BOQ** format provided along with the tender document at e-procurement site https://eprocure.gov.in/eprocure/app_

6.8 Quoted rates should be workable, reasonable and should include incidental and all overheads and profits. The tenderers will furnish rate analysis for scrutiny of the rates by user /Client.

6.9 The technical bids are to be opened at the first instance and evaluated by the competent authority. In the second stage, financial bids of only the technically acceptable offers will be opened for further evaluation and ranking before awarding the contract.

7. WORK SPECIFICATION

The work shall be carried out according to C.P.W.D. Specifications 2019Vol-I & II including up to date correction slip sand as per additional condition sand directions of Engineer-in-charge.

8. SITE VISIT AND COLLECTING LOCAL INFORMATION

Before tendering, the tenderer is advised to visit the site, its surroundings to assess and satisfy themselves about the local conditions such as the working and other constraints at site, approach roads to the site, availability of water & power supply, application of taxes, duties and levies as applicable, accommodations they may require etc. & any other relevant information required by them to execute complete scope of work. The tenderer may obtain all necessary information as to risks, weather conditions, contingencies & other circumstances (insurgencies etc.) which may influence or affect their tender prices. Tenderer shall be deemed to have considered site conditions whether he has inspected it or not and to have satisfied himself in all respect before quoting his rates and no claim or extra charges whatsoever in this regard shall be entertained / payable by The DIG GC CRPF, Greater Noida at alter date.

9. VALIDITY OF TENDER

The bids for the work shall remain open for acceptance for a period of 90 days from the date of opening of technical bids in case. Further,

- i. If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within 7 days after last date of submission of bids, then

the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.

- ii. If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department after expiry of 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
- iii. In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the bidding process of the same work.

9. **REJECT/CANCEL/SCRAP**

The Competent Authority has got the right to accept or reject/cancel/scrap the tender as whole or part of it and no claims whatsoever will be entertained on this account. The competent authority also reserves the right to increase/decrease/alter the scope of work/quantity of work etc., and no claims whatsoever will be entertained.

11. **Termination of agreement**

11.1 If the services of the contractor are not found to be satisfactory, the contractor will be given a notice, with a **notice period of 6 days**, to improve his work. If the contractor fails to improve his work within the Notice period, User/Client shall have the discretion to terminate the contract either in part or in whole, on any day after the expiry of the said notice period. Also the contract may be terminated if:-

- a. the contractor commits a breach of any terms and conditions of this agreement and/or
- b. the contractor is adjudged an insolvent or a compromise is entered by him with his creditors or if distress or execution or other process is levied upon or receiver is appointed for any part of the assets or property of contractor and/or
- c. for any reason whatsoever, the contractor becomes disentitled in law to perform his obligations under this agreement and/or
- d. There is any variation in the ownership/partnership or management of the contractor or his business without the prior approval in writing of the User/Client to such variation.
- e. **In case of fraud committed by the contractor, the client holds the rights to terminate the contract and also forfeit the PG/EMD.**

11.2 In the event of termination of this agreement for any reason whatsoever, the contractor or persons employed by him or his agents shall not be entitled for any sum or sums whatsoever from the User/Client by way of compensation, damages or otherwise.

12. **TERMINATION OF CONTRACT ON DEATH OF CONTRACTOR**

Without prejudice to any of the right or remedies under this contract if the contractor dies, **The DIG Engineer, CRPF Works Directorate** shall have the option of terminating the contract without compensation to the contractor. If the contractor is an individual or proprietary concern and individual or the proprietor dies or if the contractor is a partnership concern and one of the partner dies then unless, **The DIG Engineer, CRPF Works Directorate** is satisfied that the legal representative of the individual for the proprietary concern or the surviving partners are capable of carrying out and completing contract, **The DIG**

Engineer, CRPF Works Directorate is entitled to cancel the contract for the uncompleted part without being in any way liable for any compensation payment to the estate of deceased contractor or to the surviving partners of the contractor's firm on account of the cancellation of contract. The decision of **The DIG Engineer, CRPF Works Directorate** in such assessment shall be final and binding on the parties. In the event of such cancellation **The DIG Engineer, CRPF Works Directorate** shall not hold the state of deceased contractor and/or the surviving partners of the contractor's firm liable for any damages for non-completion of contract.

13. Escalation of Cost

Claims regarding escalation in cost of material & labour in any circumstance will not be entertained. The intending bidders before participating in the Tender must ensure the same.

14. DIRECTION FOR WORKS

All works to be executed under the contract shall be executed under the direction and subject to approval in all respect of **The DIG GC CRPF, Greater Noida/Engineer-in-Charge** shall be entitled to direct at what point and in what manner works are to be commenced and executed.

15. DEFECT LIABILITY PERIOD

- i. **06 Months from** the date of Completion as certified by **The DIG GC CRPF, Greater Noida/Engineer-in-Charge**.
- ii. The contractor shall stand guarantee for materials and workmanship. During the defect liability period, if any defect is observed due to workmanship or from any act or omission of the contractor, the contractor shall execute all such work of rectification and making good of defects, as maybe required of him by competent authority at his own cost and within the time stipulated by competent authority. If the contractor shall fail to do any such work as required by the competent authority, Security/ Retention money shall be liable to be forfeited and the contractor shall make him liable to be blacklisted.

16. EXTENSION OF TIME -As per GCC Maintenance Manual Clause No.- 5/5 A

17. SECURITYDEPOSIT/ RETENTIONMONEY

The security deposit @ 2.5% of the gross amount of the bill shall be deducted from final bill of the contractor. The contractor can also deposit the security deposit through **FDR (FDR Should be valid for one year) @ 2.5%** of the tendered amount in favour of **The DIG GC CRPF, Greater Noida** before submitting the final bill for payment action. The security deposit or retention money shall be refunded to the contractor after **expiry of defects liability period** (referred to Clause **No.15**) or on payment of the amount of the final bill whichever is later. This is in addition to Performance Guarantee that the contractor is required to deposit.

17.1 Such deductions will be made and held by Government by way of Security Deposit unless he/they has/have deposited the amount of Security at the rate mentioned above in cash or in the form of Government Securities or fixed deposit receipts.

17.2 In case a fixed deposit receipt of any Bank is furnished by the contractor to the Government as part of the security deposit and the Bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional

security to the Government to make good the deficit.

17.3 All compensations or the other sums of money payable by the contractor under the terms of this contract may be deducted from, or paid by the sale of a sufficient part of his security deposit or from the interest arising there from, or from any sums which may be due to or may become due to the contractor by Government on any account whatsoever and in the event of his Security Deposit being reduced by reason of any such deductions or sale as aforesaid, the contractor shall within 10 days make good in cash or fixed deposit receipt tendered by the State Bank of India or by Scheduled Banks or Government Securities (if deposited for more than 12 months) endorsed in favour of the Estate Officer at concerned location, any sum or sums which may have been deducted from, or raised by sale of his security deposit or any part thereof.

18. Before starting the work the contractor shall chalk out a programme, in consultation with **The DIG GC CRPF, Greater Noida** and Engineer-in-Charge or his authorized representative at least one week in advance. The contractor shall have to adhere to this programme failing which he shall be held responsible for any inconvenience caused to the occupants. In order to ensure that the work is carried out according to the programme drawn, the contractor shall ensure adequate supply of the material and employer required labour strength for execution of work. The contractor shall put his authorized representatives daily at the site of work /Enquiry Office for receiving instructions from **The DIG GC CRPF, Greater Noida**/Engineer-in-Charge and other inspecting officials from the department. His name and signature shall be attested by the contractor and kept on the record with the department.
19. Payment shall be made to contractor only after giving certificate about satisfactory completion of work. All measurement shall be recorded on standard measurement sheets which will be submitted to **The DIG Engineer, CRPF Works Directorate** for scrutiny and passing.
20. Insp/SI Civil shall scrutinize and check the measurement records practically/on ground based on the measurement sheet provided by contractor and final measurement sheet will be verified by Engineer-in-charge and forwarded to **The Commandant (Engr.)J&K Zone** for verification and vetting.
21. While the tenderer and the purchaser shall make every effort to resolve any issue amicably through direct informal negotiation, in the event of any disagreement or dispute arising between the Tender or in connection with the contract shall be settled under court of law within its jurisdiction at state under. The resultant contract will be interpreted as per the prevailing Indian laws and various directions of the Govt. of India. Dispute in mode of measurement: In case of dispute as to the mode of measurement not covered by the contract to be adopted for any item of work, mode of measurements per latest Indian specification shall be followed.
22. Intending tenderer is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified.
23. The time allowed for carrying out the work will be **within 60 days** from the date of issue of work order.
24. The site for the work is available or the site for the work shall be made available in parts as specified above.
25. The contractor shall not be permitted to tender for works in the CRPF in

which his near relative of CRPF is involved. If so, he shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any CRPF officer/personnel.

26. **Department will not be responsible for any kind of incident involving the labour during or after the work. The contractor must insure the workers against all contingencies and be responsible for their safety.**

26.1 The contractor/firm shall employ the required workmen [Skilled/Un-Skilled] as per terms and conditions of the tender enquiry. Immediately after award of contract, the contractor/firm should intimate name of workmen to whom the firm has employed for the tendered work along with complete details in firm's letter head and supporting papers of technical capabilities of the workmen where ever applicable against the contract. The workmen so engaged against the contract should maintain discipline inside of the campus.

26.2 All works, complaints / instructions given by the respective authorities covered under the **Annual Maintenance Contract** are to be attended on the same day. In case of delay in attending the work in time, User/Client will be at liberty to get the work done through any other agency and the cost therefore shall be recovered from the Contractor at the discretion of User/Client.

26.3. Personnel employed for operation of STP/Water treatment plant/ESS should have experience of Operation, maintenance & services of respective services and equipment and all personal records should be maintained by the contractor.

26.4 The workmen engaged by the contractor/agency shall be at their own risk and in case of any untoward, incident, mishap the contractor/agency will be liable for such risks and the department will not be held responsible in any way for such mishap and untoward incidents.

26.5 Technical manpower should be provided by successful bidder to execute the specialized work.

26.6 User/Client shall not be responsible for the release of benefits, such as salary, leave, Provident Fund, ESI, Pensioner benefits or allowances to the staff employed by the contractor. **User/Client will not be held responsible for any Accident/injury/carrying out default work and any statutory levied by the govt./ state government. etc.** Excess payment due to any changes in the Minimum Wages Act or in any other labour legislation/provisions or other statutory obligations during the validity period of the contract shall be the responsibility of the contractor.

26.7 The contractor will be responsible and ensure timely payment to its personnel deployed in the premises and compliance of all statutory provisions relating to minimum wages, Provident Fund and Employees State Insurance, etc. in respect of the persons deployed by them in User/Client and under intimation/in the presence of User/Client officer. The Contractor shall be responsible to fulfill all the obligations in connection with the workers employed by it for the purpose of the Contract and all the Statutory and other liabilities if any including minimum wages of Central/ State Govt. (whichever is higher shall be applicable) , leave, salary, uniform, identity cards, ex-gratia, ESI, Provident Fund, Workman Compensation, if any, etc. (as applicable) in connection therewith shall be on the Contractor account and payable by the concerned Contractor. The contractor shall liaise with Labor Deptt. of State Govt. / Central Govt. and comply with all necessary regulations/instructions in this regard.

26.8 The Contractor shall be fully responsible and shall indemnify User/Client with suitable Insurance cover in the event of any damage to men or material, injury / damage or death as the case may be, caused directly or indirectly due to the negligence of the Contractor or his agents and / or his employees or workmen. The

decision of User/Client in this regard shall be final and binding.

26.9 The contractor's personnel shall not claim any benefit/ compensation /absorption /regularization of services under the provision of the Industrial Disputes Act, 1947 or Contract Labour (Regulation & Abolition) Act,1970.

26.10 In case of any default or failure on Contractor's part to comply with all / any one of the Terms / Conditions, User/Client reserves the right to take necessary steps to remedy the situation including, inter-alia, the deduction of appropriate amount/s from dues otherwise payable to Contractor and/or by taking recourse to appropriate recovery proceedings. The contractor shall keep User/Client indemnified against all claims whatsoever in respect of the manpower deployed by it in User/Client. In case any employee of the contractor so deployed enters in dispute of any nature whatsoever, it will be the primary responsibility of the contractor to contest the same. In case User/Client or its employee is made party and is supposed to contest the case, User/Client will be reimbursed for the actual expenses incurred towards Counsel Fee and other expenses which shall be paid in advance by the contractor to User/Client or any person authorized by User/Client, on demand. Further, the contractor will ensure that no financial or any other liability comes to User/Client or its employee in this respect of any nature whatsoever and shall keep User/Client or any employee of User/Client indemnified in this respect.

26.11 For any dispute, the decision of User/Client shall be final and binding upon the contractor. However, any dispute or difference whatsoever arising on any matter concerning this contract between the parties out of or relating to the services, meaning, scope, operation or effect of this contract or the validity or the breach thereof shall be settled through court of law.

26.12 On site storage space will be provided to the Contractor subject to availability. However, the Contractor may erect temporary sheds for storage purposes at his cost with the permission of the User/Client. User/Client will not be responsible for Contractor's materials. The Contractor may be required to vacate the storage space and sheds as per exigency without any extra cost to User/Client. If any statutory charges are required to be paid for erection of sheds, the same should be borne by the Contractor.

26.13 The Contractor shall provide all necessary Tools & Plants materials or any other equipment, materials, labour, etc. and no payment in this regard will be made by User/Client. The Contractor shall supply, fix and maintain all the scaffoldings, jhulla, safety belt, extra labour to hold ladders/jhullas, T&P, etc., at his cost during the execution of any work and remove them as soon as the work is completed, without causing any damage to User/Client's property.

26.14 The Contractor shall not directly or indirectly transfer, assign or sublet the Contract or any part of it, without written permission of User/Client. But he can engage various licensed agencies/agencies for carrying out different works.

26.15 It is the contractor's responsibility to coordinate with other service providers No other charges for such works shall be payable.

27. Compensation for Delay

If the firm fails to complete the work within prescribed completion period the User/Client may recover from the Contractor liquidated damages including administrative expenses etc. A sum equivalent to 2% of the price of work which contractor fails to execute within prescribed completion period fixed for each month or part of month. Delay so claimed shall not exceed 10% of the total contract

28. GST No. or/and Service Tax No. and Contractor's Regn. No. must be printed on the bill which is submitted for recoupment/payment action.
29. The tender for the works shall remain open for acceptance for a period of 90 Days from the date of opening of tenders. If any tenderer withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the department and then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit the earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the retendering process of the work.
30. This Notice Inviting Tender shall form a part of the contract document.
31. The tenderer shall be responsible for arranging and maintaining at his own cost of all materials, tools & plants, water, electricity access, facilities for executing work and all other services required for executing the work.
32. The successful tenderer shall make his own arrangement for storage and watch and ward of material whether the same brought by him or supplied by the department. He shall remain responsible for watch and ward of installation and other fitting still these are commissioned and handed over to the department.
33. Successful tenderer should be in a position to produce, after opening of the price bids, the Original Certificates in support of the self-attested copies of relevant documents submitted along with tender document. Failure to produce the original certificates at this stage in support of the attested copies of firm registration /Electrical License/any other documents etc. submitted earlier would result in disqualification and forfeiture of EMD and also liable for debarring from participation in tender published from **J&K Zone Hqr CRPF Bantalab ,Jammu(J&K)**.
34. **FINAL INSPECTION**

After completion of work as per specification the whole work will be subject to a final inspection to ensure that job has been completed as per requirement. If any defects noticed in the work are attributable to Contractor, these shall be attended by the Contractor at his own cost, as and when they are brought to his notice by **The DIG GC CRPF, Greater Noida/Engineer-in-Charge/SI/Insp Civil. The DIG GC CRPF, Greater Noida/Engineer-in-Charge** and its representative shall have the right to rectify these defects at the risk and cost of the contractor if he fails to attend to these defects immediately.

35. **MEASUREMENTS OF WORK DONE**
 - i. SI/Insp Civil/Engineer-in-charge shall, except as otherwise provided, as certain and determine by measurement, the value in accordance with the contractor of work done.
 - ii. All measurement of all items having financial value shall be entered in measurement book / level field book so that a complete record is obtained of all works performed under the contract.
 - iii. All measurement and levels shall be taken jointly by the Insp/ SI/civil or his authorized representative and by the contractor or his authorized representative from time to time during the progress of work and such measurement shall be signed and dated by the Engineer-in-charge and the contractor or their representatives in token of their acceptance. If the contractor objects to any of the measurement recorded, a note shall be made to that effect with reason and signed by both parties.
 - iv. If for any reason the contractor or his authorized representative is not

available and the work of recording measurement is suspended by the Insp./SI/Civil or his representative, the Engineer-in-charge and the Department shall not claim from contractor for any loss or damages on his account. If the contractor or his authorized representative does not remain present at the time of such measurements after the contractor or his authorized representative has been given a notice in writing three (3) days in advance or fails to countersign or to record objection within a week from the date of the measurement, then such measurement recorded in his absence by the Engineer-in-charge or his representative shall be deemed to be accepted by the contractor.

- v. It is also a term of this contract that recording of measurement of any items of work in the measurement book and /or its payment in the interim, on account of final bill shall not be considered as conclusive evidence as to the sufficiency of any work or material to which it relates nor shall relieve the contractor from liabilities from any over measurement or defects noticed till completion of the liability period.
36. Work scope may be changed depending upon the priority of the work.
 37. No part of the CONTRACT nor any share or interest therein shall in any manner or degree be transferred, assigned or subtlety the CONTRACTOR directly or indirectly to any person, firm or corporation whatsoever without the consent in writing of **The DIG GC CRPF, Greater Noida/Engineer-in-Charge.**
 38. **WHEN CONTRACT CAN BE DETERMIND** :- Subject to other provisions contained in this clause, the Engineer-in-Charge may, without prejudice to any other rights or remedy against the contractor in respect of any delay, not following safety norms inferior workmanship, any claims for damages and/or any other provisions of this contract or otherwise, and whether the date of completion has or has not elapsed, by notice in writing absolutely determine the contract in any of the following cases:
 - i. If the contractor having been given by the Engineer-in-Charge a notice in writing to rectify, reconstruct or replace any defective work or that the work is being performed in an inefficient or otherwise improper or un-workman like manner shall omit to comply with the requirement of such notice for a period of seven days thereafter.
 - ii. If the contractor has, without reasonable cause, suspended the progress of the work or has failed to proceed with the work with due diligence and continues to do so after a notice in writing of seven days from the Engineer-in-Charge.
 - iii. If the contractor fails to complete the work or section of work with individual date of completion on or before the stipulated or justified extended date, on or before such date of completion; and the Engineer in Charge without any prejudice to any other right or remedy under any other provision in the contract has given further reasonable time in a notice given in writing in that behalf as either mutually agreed or in absence of such mutual agreement by his own assessment making such time essence of contract and in the opinion of Engineer-in-Charge the contractor will be unable to complete the same or does not complete the same within the period specified.
 - iv. If the contractor persistently neglects to carry out his obligations under the contract and/ or commits default in complying with any of the terms and conditions of the contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that behalf by the Engineer-in-Charge.
 - v. If the contractor shall offer or give or agree to give to any person in Government service or to any other person on his behalf any gift or

consideration of any kind as an inducement or reward for doing or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of this or any other contract for Government.

- vi. If the contractor shall enter into a contract with Government in connection with which commission has been paid or agreed to be paid by him or to his knowledge, unless the particulars of any such commission and the terms of payment thereof have been previously disclosed in writing to the Engineer-in-Charge.
- vii. If the contractor had secured the contract with Government as a result of wrong tendering or other non-bonafide methods of competitive tendering or commits breach of Integrity Agreement.
- viii. If the contractor being an individual, or if a firm, any partner thereof shall at any time be adjudged insolvent or have a receiving order or order for administration of his estate made against him or shall take any proceedings for liquidation or composition (other than a voluntary liquidation for the purpose of amalgamation or reconstruction) under any Insolvency Act for the time being in force or make any conveyance or assignment of his effects or composition or arrangement for the benefit of his creditors or purport so to do, or if any application be made under any Insolvency Act for the time being in force for the sequestration of his estate or if a trust deed be executed by him for benefit of his creditors.
- ix. If the contractor being a company shall pass a resolution or the court shall make an order that the company shall be wound up or if a receiver or a manager on behalf of a creditor shall be appointed or if circumstances shall arise which entitle the court or the creditor to appoint a receiver or a manager or which entitle the court to make a winding up order.
- x. If the contractor shall suffer an execution being levied on his goods and allow it to be continued for a period of 21 days.
- xi. If the contractor assigns (excluding part(s) of work assigned to other agency(s) by the contractor as per terms of contract), transfers, sublets (engagement of labour on a piece-work basis or of labour with materials not to be incorporated in the work, shall not be deemed to be subletting) or otherwise parts with or attempts to assign, transfer, sublet or otherwise parts with the entire works or any portion thereof without the prior written approval of the Engineer-in-Charge. When the contractor has made himself liable for action under any of the cases aforesaid, the Engineer-in-Charge on behalf of the President of India shall have powers:
 - a. To determine the contract as aforesaid so far as performance of work by the Contractor is concerned (of which determination notice in writing to the contractor under the hand of the Engineer-in-Charge shall be conclusive evidence). Upon such determination, Security Deposit already recovered, Security Deposit, payable, Performance Guarantee under the contract shall be liable to be forfeited and shall be absolutely at the disposal of the Government
 - b. After giving notice to the contractor to measure up the work of the contractor and to take such whole, or the balance or part thereof, as shall be un-executed out of his hands and to give it to another contractor to complete the work. The contractor, whose contract is determined as above, shall not be allowed to participate in the tendering process for the balance work.

In the event of above courses being adopted by the Engineer-in-Charge, the shall have no claim to compensation for any loss sustained by him by reasons of his having purchased or procured any materials or entered into any engagements or made any advances on account or with a view to the

execution of the work or the performance of the contract. And in case action is taken under any of the provision aforesaid, the contractor shall not be entitled to recover or be paid any sum for any work thereof or actually performed under this contract unless and until the Engineer-in-Charge has certified in writing the performance of such work and the value payable in respect thereof and he shall only be entitled to be paid the value so certified.

39. The ESI and EPF contributions on the part of employer in respect of this contract shall be paid by the contractor. These contributions on the part of the employer paid by the contractor shall be reimbursed by the Engineer-in-charge to the contractor on actual basis. The verification of deployment of labour will be done through biometric attendance system or any other suitable method by the Engineer in Charge. The applicable and eligible amount of EPF & ESI shall be reimbursed preferably within 7 days but not later than 30 days of submission of documentary proof of payment provided same are in order.

40. If there is any clarification, this may be obtained through the site, or during the pre-bid meeting, if any. Bidder should take into account the **corrigendum** published from time to time before submitting the online bids.

41. **C.P.W.D. SAFETY CODE**

1. Suitable scaffolds should be provided for workmen for all works that cannot safely be done from the ground, or from solid construction except such short period work as can be done safely from ladders. When a ladder is used, an extra mazdoor shall be engaged for holding the ladder and if the ladder is used for carrying materials as well suitable footholds and hand-hold shall be provided on the ladder and the ladder shall be given an inclination not steeper than $\frac{1}{4}$ to 1 ($\frac{1}{4}$ horizontal and 1 vertical.)

2. Scaffolding of staging more than 3.6 m (12ft.) above the ground or floor, swung or suspended from an overhead support or erected with stationary support shall have a guard rail properly attached or bolted, braced and otherwise secured at least 90 cm. (3ft.) high above the floor or platform of such scaffolding or staging and extending along the entire length of the outside and ends thereof with only such opening as may be necessary for the delivery of materials. Such scaffolding or staging shall be so fastened as to prevent it from swaying from the building or structure.

3. Working platforms, gangways and stairways should be so constructed that they should not sag unduly or unequally, and if the height of the platform or the gangway or the stairway is more than 3.6 m (12ft.) above ground level or floor level, they should be closely boarded, should have adequate width and should be suitably fastened as described in (2) above.

4. Every opening in the floor of a building or in a working platform shall be provided with suitable means to prevent the fall of person or materials by providing suitable fencing or railing whose minimum height shall be 90 cm. (3ft.)

5. Safe means of access shall be provided to all working platforms and other working places. Every ladder shall be securely fixed. No portable single ladder shall be over 9m. (30ft.) in length while the width between side rails in rung ladder shall in no case be less than 29 cm. (11½") for ladder upto and

including 3 m. (10 ft.) in length. For longer ladders, this width should be increased at least ¼" for each additional 30 cm. (1 foot) of length. Uniform step spacing of not more than 30 cm shall be kept. Adequate precautions shall be taken to prevent danger from electrical equipment. No materials on any of the sites or work shall be so stacked or placed as to cause danger or inconvenience to any person or the public. The contractor shall provide all necessary fencing and lights to protect the public from accident and shall be bound to bear the expenses of defence of every suit, action or other proceedings at law that may be brought by any person for injury sustained owing to neglect of the above precautions and to pay any damages and cost which may be awarded in any such suit; action or proceedings to any such person or which may, with the consent of the contractor, be paid to compensate any claim by any such person.

6. (a) Excavation and Trenching - All trenches 1.2 m. (4ft.) or more in depth, shall at all times be supplied with at least one ladder for each 30 m. (100 ft.) in length or fraction thereof, Ladder shall extend from bottom of the trench to at least 90 cm. (3ft.) above the surface of the ground. The side of the trenches which are 1.5 m. (5ft.) or more in depth shall be stepped back to give suitable slope or securely held by timber bracing, so as to avoid the danger of sides collapsing. The excavated materials shall not be placed within 1.5 m. (5ft.) of the edges of the trench or half of the depth of the trench whichever is more. Cutting shall be done from top to bottom. Under no circumstances, undermining or undercutting shall be done.

(b) Safety Measures for digging bore holes:-

(i) If the bore well is successful, it should be safely capped to avoid caving and collapse of the bore well. The failed and the abandoned ones should be completely refilled to avoid caving and collapse;

(ii) During drilling, Sign boards should be erected near the site with the address of the drilling contractor and the Engineer in-charge of the work;

(iii) Suitable fencing should be erected around the well during the drilling and after the installation of the rig on the point of drilling, flags shall be put 50m around the point of drilling to avoid entry of people;

(iv) After drilling the bore well, a cement platform (0.50m x 0.50m x 1.20m) 0.60m above ground level and 0.60m below ground level should be constructed around the well casing.

(v) After the completion of the bore well, the contractor should cap the bore well properly by welding steel Plate, cover the bore well with the drilled wet soil and fix thorny shrubs over the soil. This should be done even while repairing the pump

(vi) After the bore well is drilled the entire site should be brought to the ground level.

7. Demolition - Before any demolition work is commenced and also during the progress of the work,

- i. All roads and open areas adjacent to the work site shall either be closed or suitably protected.
 - (ii) No electric cable or apparatus which is liable to be a source of danger or a cable or apparatus used by the operator shall remain electrically charged.
 - (iii) All practical steps shall be taken to prevent danger to persons employed from risk of fire or explosion or flooding. No floor, roof or other part of the building shall be so overloaded with debris or materials as to render it unsafe.
8. All necessary personal safety equipment as considered adequate by the Engineer-in-Charge should be kept available for the use of the person employed on the site and maintained in a condition suitable for immediate use, and the contractor should take adequate steps to ensure proper use of equipment by those concerned:-

The following safety equipment shall invariably be provided.

- (i) Workers employed on mixing asphaltic materials, cement and lime mortars shall be provided with protective footwear and protective goggles.
- (ii) Those engaged in white washing and mixing or stacking of cement bags or any material which is injurious to the eyes, shall be provided with protective goggles.
 - i. Those engaged in welding works shall be provided with welder's protective eye shields.
- (iv) Stone breaker shall be provided with protective goggles and protective clothing and seated at sufficiently safe intervals.
- (v) When workers are employed in sewers and manholes, which are in active use, the contractors shall ensure that the manhole covers are opened and ventilated at least for an hour before the workers are allowed to get into the manholes, and the manholes so opened shall be cordoned off with suitable railing and provided with warning signals or boards to prevent accident to the public. In addition, the contractor shall ensure that the following safety measure are adhered to :-
 - a. Entry for workers into the line shall not be allowed except under supervision of the JE or any other higher officer.
 - (b) At least 5 to 6 manholes upstream and downstream should be kept open for at least 2 to 3 hours before any man is allowed to enter into the manhole for working inside.
 - (c) Before entry, presence of Toxic gases should be tested by inserting wet

lead acetate paper which Changes colour in the presence of such gases and gives indication of their presence.

(d) Presence of Oxygen should be verified by lowering a detector lamp into the manhole. In case, no Oxygen is found inside the sewer line, workers should be sent only with Oxygen kit.

(e) Safety belt with rope should be provided to the workers. While working inside the manholes, such rope should be handled by two men standing outside to enable him to be pulled out during emergency.

(f) The area should be barricaded or cordoned off by suitable means to avoid mishaps of any kind. Proper warning signs should be displayed for the safety of the public whenever cleaning works are undertaken during night or day.

(g) No smoking or open flames shall be allowed near the blocked manhole being cleaned.

(h) The malba obtained on account of cleaning of blocked manholes and sewer lines should be immediately removed to avoid accidents on account of slippery nature of the malba.

i. Workers should not be allowed to work inside the manhole continuously. He should be given rest intermittently. The Engineer-in-Charge shall decide the time up to which a worker may be allowed to work continuously inside the manhole.

(j) Gas masks with Oxygen Cylinder should be kept at site for use in emergency.

(k) Air-blowers should be used for flow of fresh air through the manholes. Whenever called for, portable air blowers are recommended for ventilating the manholes. The Motors for these shall be vapour proof and of totally enclosed type. Non sparking gas engines also could be used but they should be placed at least 2 metres away from the opening and on the leeward side protected from wind so that they will not be a source of friction on any inflammable gas that might be present.

(l) The workers engaged for cleaning the manholes/sewers should be properly trained before allowing working in the manhole.

(m) The workers shall be provided with Gumboots or non-sparking shoes bump helmets and gloves non sparking tools safety lights and gas masks and portable air blowers (when necessary). They must be supplied with barrier cream for anointing the limbs before working inside the sewer lines.

(n) Workmen descending a manhole shall try each ladder stop or rung carefully before putting his full weight on it to guard against insecure fastening due to corrosion of the rung fixed to manhole well.

(o) If a man has received a physical injury, he should be brought out of the

sewer immediately and adequate medical aid should be provided to him.

(p) The extent to which these precautions are to be taken depend on individual situation but the decision of the Engineer-in-Charge regarding the steps to be taken in this regard in an individual case will be final.

(vi) The Contractor shall not employ men and women below the age of 18 years on the work of painting with products containing lead in any form. Wherever men above the age of 18 are employed on the work of lead painting, the following precaution should be taken.

(a) No paint containing lead or lead products shall be used except in the form of paste or readymade paint.

(b) Suitable face masks should be supplied for use by the workers when paint is applied in the form of spray or a surface having lead paint is dry rubbed and scrapped.

(c) Overalls shall be supplied by the contractors to the workmen and adequate facilities shall be provided to enable the working painters to wash during and on the cessation of work.

(vii) Workmen executing work on scaffolds or other structures above specified height shall be provided with full body harness and fall arresters.

9. An additional clause (viii)(i) of Central Public Works Department Safety Code (iv) the Contractor shall not employ women and men below the age of 18 on the work of painting with product containing lead in any form, wherever men above the age of 18 are employed on the work of lead painting, the following principles must be observed for such use :

(i) White lead, sulphate of lead or product containing these pigment, shall not be used in painting operation except in the form of pastes or paint ready for use.

(ii) Measures shall be taken, wherever required in order to prevent danger arising from the application of paint in the form of spray.

(iii) Measures shall be taken, wherever practicable, to prevent danger arising out of from dust caused by dry rubbing down and scraping.

(iv) Adequate facilities shall be provided to enable working painters to wash during and on cessation of work.

(v) Overall shall be worn by working painters during the whole of working period.

(vi) Suitable arrangement shall be made to prevent clothing put off during working hours being spoiled¹³ by painting materials.

(vii) Cases of lead poisoning and suspected lead poisoning shall be notified and shall be subsequently verified by medical man appointed by competent authority of C.P.W.D & PWO (DA).

(viii) C.P.W.D./PWO (DA) may require, when necessary medical examination of workers.

(ix) Instructions with regard to special hygienic precautions to be taken in the

painting trade shall be distributed to working painters.

10. When the work is done near any place where there is risk of drowning, all necessary equipment's should be provided and kept ready for use and all necessary steps taken for prompt rescue of any person in danger and adequate provision, should be made for prompt first aid treatment of all injuries likely to be obtained during the course of the work.

11. Use of hoisting machines and tackle including their attachments, anchorage and supports shall conform to the following standards or conditions:-

(i) (a) These shall be of good mechanical construction, sound materials and adequate strength and free from patent defects and shall be kept repaired and in good working order.

(b) Every rope used in hoisting or lowering materials or as a means of suspension shall be of durable quality and adequate strength, and free from patent defects.

(ii) Every crane driver or hoisting appliance operator shall be properly qualified and no person under the age of 21 years should be in charge of any hoisting machine including any scaffolding winch or give signals to Operator.

(iii) In case of every hoisting machine and of every chain ring hook, shackle swivel and pulley block used in hoisting or as means of suspension, the safe working load shall be ascertained by adequate means. Every hoisting machine and all gear referred to above shall be plainly marked with the safe working load. In case of a hoisting machine having a variable safe working load each safe working load and the condition under which it is applicable shall be clearly indicated. No part of any machine or any gear referred to above in this paragraph shall be loaded beyond the safe working load except for the purpose of testing.

(iv) In case of departmental machines, the safe working load shall be notified by the Electrical Engineer-in-Charge. As regards contractor's machines the contractors shall notify the safe working load of the machine to the Engineer-in-Charge whenever he brings any machinery to site of work and get it verified by the Electrical Engineer concerned.

12. Motors, gearing, transmission, electric wiring and other dangerous parts of hoisting appliances should be provided with efficient safeguards. Hoisting appliances should be provided with such means as will reduce to the minimum the risk of accidental descent of the load. Adequate precautions should be taken to reduce to the minimum the risk of any part of a suspended load becoming accidentally displaced. When workers are employed on electrical installations which are already energized, insulating mats, wearing apparel, such as gloves, sleeves and boots as may be necessary should be provided. The worker should not wear any rings, watches and carry keys or other materials which are good conductors of electricity.

13. All scaffolds, ladders and other safety devices mentioned or described herein shall be maintained in safe condition and no scaffold, ladder or equipment shall be altered or removed while it is in use. Adequate washing facilities should be provided at or near places of work.

14. These safety provisions should be brought to the notice of all concerned by display on a notice board at a prominent place at work spot. The person responsible for compliance of the safety code shall be named therein by the contractor.

15. To ensure effective enforcement of the rules and regulations relating to safety precautions the arrangements made by the contractor shall be open to inspection by the Labour Officer or Engineer-in-Charge of the department or their representatives.

16. Notwithstanding the above clauses from (1) to (15), there is nothing in these to exempt the contractor from the operations of any other Act or Rule in force in the Republic of India.

42. **ADDITIONAL SPECIFICATIONS FOR CIVIL WORKS:**

- i. All materials required to be used on works shall be got approved from **The DIG GC CRPF, Greater Noida** /Engineer-in-Charge in advance. In case of doubt on any material, **The DIG GC CRPF, Greater Noida** /Engineer-in-Charge wears the right to get the material test from Govt. approved labs/NABL .
- ii. The quoted rate should be inclusive of all taxes, levies, works contract taxes, duties etc.
- iii. All items to be used in this work should be branded and ISI. In this case CPWD approved list of material for similar work may be followed.

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43. **Labour Laws to be complied by the Contractor**

44.1 The contractor shall comply with the provisions of the Contract Labour (Regulation and Abolition) Act, 1970, and the Contract Labour (Regulation and Abolition) Central Rules, 1971.

44.2 The contractor shall also obtain a valid license under the said Act before the commencement of the work, and continue to have a valid license until its completion.

44.3 The contractor shall also comply with provisions of the Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979.

44.4 The contractor shall also abide by the provisions of the Child Labour and Adolescent Labour (Prohibition and Regulation) Act, 1986.

44.5 The contractor shall also comply with the provisions of the building and other Construction Workers (Regulation of Employment & Conditions of Service) Act, 1996 and the building and other Construction Workers Welfare Cess Act, 1996. Any failure to fulfil these requirements shall attract the penal provisions of this contract arising out of the resultant non-execution of the work.

44.6 No Running Account Bill shall be paid for the work till the applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board, whatever applicable are submitted by the contractor to the Engineer-in-Charge.

44. **Minimum Wages Act and EPFO & ESIC**

44.1 The contractor shall comply with the provisions of Minimum Wages Act, 1948 and Contract Labour (Regulation and abolition) Act, 1970 amended from time to time and rule framed there under and other labour laws affecting

contract labour that may be brought into force time to time. The contractor should also pay wages to his engaged labours against the contract as per existing notification of Ministry of Labour & Employment, G.O.I. including revision which takes place during the contractual period. Probable inflation of minimum wages during contractual period should be considered and taken into account while submitting bid. At the time of claim of bill it is required to produce documentary evidences (i.e. bank statement of employees) to the concerned authority, violation of which even can end with termination of contract.

44.2 The contractor shall have registration with EPFO and ESIC. The E.P.F & E.S.I contributions on the part of employer in respect of the contract shall be paid by the contractor to concerned department well in time. These contributions on the part of the employer, paid by the contractor shall be reimbursed by this department on actual basis and on producing receipt of the concerned department as per the applicable EPF & ESIC.

45. **Termination of agreement**

45.1 If the services of the contractor are not found to be satisfactory, the contractor will be given a notice, with a notice period of 6 days, to improve his work. If the contractor fails to improve his work within the Notice period, User/CLIENT shall have the discretion to terminate the contract either in part or in whole, on any day after the expiry of the said notice period. Also the contract may be terminated if :-

- a. the contractor commits a breach of any terms and conditions of this agreement and/or
- b. the contractor is adjudged an insolvent or a compromise is entered by him with his creditors or if distress or execution or other process is levied upon or receiver is appointed for any part of the assets or property of contractor and/or
- c. for any reason whatsoever, the contractor becomes disentitled in law to perform his obligations under this agreement and/or
- d. There is any variation in the ownership/partnership or management of the contractor or his business without the prior approval in writing of the User/CLIENT to such variation.
- e. In case of fraud committed by the contractor, the client holds the right to terminate the contract and also forfeit the PG/EMD.

45.2 In the event of termination of this agreement for any reason whatsoever, the contractor/or persons employed by him or his agents shall not be entitled for any sum or sums whatsoever from the User/CLIENT by way of compensation, damages or otherwise.

46. **Escalation of Cost**

Claims regarding escalation in cost of material & labour in any circumstance will not be entertained. The intending bidders before participating in the Tender must ensure the same.

47. **Compensation for Delay**

If the firm fails to complete the work within prescribed completion period

the User/Client may recover from the Contractor liquidated damages including administrative expenses etc. A sum equivalent to 2% of the price of work which contractor fails to execute within prescribed completion period fixed for each month or part of month. Delay so claimed shall not exceed 10% of the total contract.

48. Other terms & condition

- 48.1 The contractor/firm shall employ the required workmen [Skilled/Un-Skilled] as per terms and conditions of the tender enquiry. Immediately after award of contract, the contractor/firm should intimate name of workmen to whom the firm has employed for the tendered work along with complete details in firm's letter head and supporting papers of technical capabilities of the workmen where ever applicable against the contract. The workmen so engaged against the contract should maintain discipline inside of the campus.
- 48.2 All works, complaints / instructions given by the respective authorities covered under the Annual Maintenance Contract are to be attended on the same day. In case of delay in attending the work in time, User/CLIENT will be at liberty to get the work done through any other agency and the cost therefore shall be recovered from the Contractor at the discretion of User/CLIENT.
- 48.3 Personnel employed for operation of STP/Water treatment plant/ESS should have experience of Operation, maintenance & services of respective services and equipment and all personal records should be maintained by the contractor.
- 48.4 The workmen engaged by the contractor/agency shall be at their own risk and in case of any untoward, incident, mishap the contractor/agency will be liable for such risks and the department will not be held responsible in any way for such mishap and untoward incidents.
- 48.5 Technical manpower should be provided by successful bidder to execute the specialized work.
- 48.6 User/CLIENT shall not be responsible for the release of benefits, such as salary, leave, Provident Fund, ESI, Pensioner benefits or allowances to the staff employed by the contractor. User/Client will not be held responsible for any Accident/injury / carrying out default work and any statutory levied by the govt./ state government. etc. Excess payment due to any changes in the Minimum Wages Act or in any other labour legislation/provisions or other statutory obligations during the validity period of the contract shall be the responsibility of the contractor.
- 48.7 The contractor will be responsible and ensure timely payment to its personnel deployed in the premises and compliance of all statutory provisions relating to minimum wages, Provident Fund and Employees State Insurance, etc. in respect of the persons deployed by them in User/CLIENT and under intimation/in the presence of User/CLIENT officer. The Contractor shall be responsible to fulfill all the obligations in connection with the workers employed by it for the purpose of the Contract and all the Statutory and other liabilities if any including minimum wages of Central/ State Govt. (whichever is higher shall be applicable) , leave, salary, uniform, identity cards, ex-gratia, ESI, Provident Fund, Workman Compensation, if any, etc. (as applicable) in connection therewith shall be on the Contractor account and payable by the concerned Contractor. The contractor shall liaise with Labor Deptt. of State Govt. / Central Govt. and comply with all necessary regulations/instructions in this regard.
- 48.8 The Contractor shall be fully responsible and shall indemnify User/CLIENT with suitable Insurance cover in the event of any damage to men or material, injury / damage or death as the case may be, caused directly or indirectly due to the negligence of the Contractor or his agents and / or his employees or workmen. The decision of User/CLIENT in this regard shall be final and binding.
- 48.9 The contractor's personnel shall not claim any benefit/ compensation / absorption / regularization of services under the provision of the Industrial Disputes

Act, 1947 or Contract Labour (Regulation & Abolition) Act,1970.

48.10 In case of any default or failure on Contractor's part to comply with all / any one of the Terms / Conditions, User/CLIENT reserves the right to take necessary steps to remedy the situation including, inter-alia, the deduction of appropriate amount/s from dues otherwise payable to Contractor and/or by taking recourse to appropriate recovery proceedings. The contractor shall keep User/CLIENT indemnified against all claims whatsoever in respect of the manpower deployed by it in User/CLIENT. In case any employee of the contractor so deployed enters in dispute of any nature whatsoever, it will be the primary responsibility of the contractor to contest the same. In case User/CLIENT or its employee is made party and is supposed to contest the case, User/CLIENT will be reimbursed for the actual expenses incurred towards Counsel Fee and other expenses which shall be paid in advance by the contractor to User/CLIENT or any person authorized by User/CLIENT, on demand. Further, the contractor will ensure that no financial or any other liability comes to User/CLIENT or its employee in this respect of any nature whatsoever and shall keep User/CLIENT or any employee of User/CLIENT indemnified in this respect.

48.11 For any dispute, the decision of User/CLIENT shall be final and binding upon the contractor. However, any dispute or difference whatsoever arising on any matter concerning this contract between the parties out of or relating to the services, meaning, scope, operation or effect of this contract or the validity or the breach thereof shall be settled through court of law.

48.12 On site storage space will be provided to the Contractor subject to availability. However, the Contractor may erect temporary sheds for storage purposes at his cost with the permission of the User/CLIENT. User/CLIENT will not be responsible for Contractor's materials. The Contractor may be required to vacate the storage space and sheds as per exigency without any extra cost to User/CLIENT. If any statutory charges are required to be paid for erection of sheds, the same should be borne by the Contractor.

48.13 The Contractor shall provide all necessary Tools & Plants materials or any other equipment, materials, labour, etc. and no payment in this regard will be made by User/CLIENT. The Contractor shall supply, fix and maintain all the scaffoldings, jhulla, safety belt, extra labour to hold ladders/jhoolas, T&P, etc., at his cost during the execution of any work and remove them as soon as the work is completed, without causing any damage to User/CLIENT's property.

48.14 The Contractor shall not directly or indirectly transfer, assign or sublet the Contract or any part of it, without written permission of User/CLIENT. But he can engage various licensed agencies/agencies for carrying out different works.

48.15 It is the contractor's responsibility to coordinate with other service providers
No other charges for such works shall be payable.

#ApprovedDate#
DEVESHWARA NAND BHATT
DIG(ENG)-WORK-DG
OFFICE OF DIG(ENGG)-DTE

For and on behalf of the President of India

[
Signature of Bidder
(with seal)

IMPORTANT INSTRUCTIONS AND GUIDELINES

1. The intending Bidders must read all the terms and condition carefully and submit their tender through online (e-procurement web site in CPP Portal) before due date & time if they consider themselves eligible and are in possession of all the required documents. Bidders are also advised to go through the Earnest Money, Payment terms and other clauses, terms and conditions of this tender enquiry carefully before participating in bidding process. The Bids (**Technical Bids only**) against tender enquiry will be opened on the given date & time in the **CONTRACT CELL, JAMMU AND KASHMIR ZONE HQR, CRPF, JAMMU PIN - 181123**. However date of opening of financial bids will be intimated to the eligible Bidders only after technical bid evaluation.
2. Bidders are requested to submit their bid/tender documents online through e-procurement website in CPP Portal duly filled and completed in all respect as per norms. Only original copy of EMD & Tender Acceptance letter are required to be sent/submitted in a sealed envelope superscripted with **full address** of the **firm**, tender enquiry/notice **number & date**, name of **work, date** and **time** of opening etc. **physically dropping it in the Tender Box at Office of the Contract Cell J&K Zone HQR CRPF Jammu** so as to reach before the scheduled time and date as mentioned in the schedule to the tender enquiry. Department is not responsible for any delay. In case date of opening of tender happens to be a closed holiday, the tender will be opened on next working day at the stipulated time. Late/Delay/Non-submission of original documents manually in a sealed envelope to **CONTRACT CELL, JAMMU AND KASHMIR ZONE HQR, CRPF, JAMMU PIN - 181123** would result in rejection of bid during online bid opening.
3. All Tender documents attached with this invitation to tender including specifications are sacrosanct for considering any offer as complete offer. It is therefore important that **Tender Acceptance Letter** (As per **Appendix-'F'** of Tender Enquiry) which is a "**Written Undertaking**" that all the terms and conditions of the tender are understood and accepted, should be ink signed and submitted along with all documents as required with the bid.
4. **Name** and **status** of the person signing the tender documents should clearly be mentioned in the tender documents.
5. While opening the tenders, the technical bid will be opened first instance and evaluated by the competent committee or authority. If the firm fails to full fill at the conditions specified in the tender notice and fails to attach the documents as asked above, the tender will be rejected immediately, however the bidders can represent physically or through email in writing to the tendering authority, decision of Accepting Officer on representation will be final and binding . At the second stage, financial bids of technically qualified firms will be opened for further evaluation and ranking before awarding the contract. The contract will be awarded to overall **L-1 firm**.
6. Invitation for E- tender does not constitutes any guarantee for consideration validation of 'T' bid and subsequent opening of finance bid of any applicant/bidder, even of enlisted contractors of appropriate class, merely by virtue of enclosing DD. Accepting officer reserves the right to reject the 'T' bid and not open the finance bid of any applicant

/bidder. 'T' bid validation shall be decided by the Accepting Officer based on inter alia, capability of the firm as per criteria given in this NIT. The applicant/contractor/bidder will be informed regarding non-validation of his 'T' bid assigning reasons thereof through the "https://eprocure.gov.in/eprocure/app (CPPP)" website. The applicant/contractor if he so desires, may appeal to the Accepting Officer on email coengjkz@crpf.gov.in before the schedule date of opening of finance bid. The decision of the next higher authority (NHEA) shall be final and binding. No applicant/ contractor shall be entitled for any compensation whatsoever for rejection of his bid

7. The works required shall be executed on credit basis and no interest will be payable on the delayed payment. The payment will be made direct to the Firm/ Contractor bank account through ECS on recoupment of bill. Payment in advance or immediately cannot be made. GST number of the firm should be clearly shown / quoted in the tender.

8. In tending, Bidder is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority of having satisfactorily completed similar works/services of magnitude specified.

9. The contractor submitting the tenders against the subject tender enquiry are informed that all relevant details with reference to the tender enquiry stipulations are clearly responded to. In case any of the tender enquiry stipulation are not clearly stated to or replied to by any of the contractor, **no repeat no** clarifications will be sought from the concerned firm and its offer will be rejected out rightly.

10. The Contractor shall comply with the orders issued by the **CONTRACT CELL, JAMMU AND KASHMIR ZONE HQR, CRPF, JAMMU PIN - 181123** from time to time during the contractual period. If he fails to do so, his failure will be a breach of contract and **The DIG Engineer, CRPF Works Directorate** in his discretion without prejudice to any other right or remedy available in law can cancel the contract. The contractor shall be liable for any pecuniary liability arising on account of any violation by him.

11. Agreement shall be drawn/work order will be issued to the successful Bidder. Bidders shall quote their rates as per terms and conditions which will form part of the agreement/contract.

12. The Accepting Officer reserves the right to accept a tender submitted by a Public Undertaking/Small & Medium Enterprises (SMEs), giving a price preference/purchase preference over other tender(s)/bids which may be lower, as are admissible under the Government Policy. No claim for any compensation or otherwise shall be admissible for such tenderer/bidder whose tender/bid is rejected.

13. Tenderers must be very careful to deliver & upload a bonafide tender, failing which the Accepting Officer may at his absolute discretion, reserve the right of forfeiting a portion of Earnest Money, Security Deposit or Security Bond amount (not exceeding amount of cost of tender) deposited by the tenderer. A bonafide tender must satisfy each & every conditions laid down in this office.

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

15. **EMPLOYER PROVIDENT FUND AND MISCELLANEOUS (EPF & MP) ACT 1952:-**

15.1 In terms of GOI Ministry of labour & employment letter No S-35025/2/2014- SS II dated 15 Jul 2015, all the bidders participating in tendering for the work will ensure that they have "Provident Fund Code Number" for their construction workers and same has to be uploaded with Cover-I (Technical Bid) failing which their Technical bid shall be rejected and Financial bid shall not be opened. The Contractors shall also ensure that all agencies engaged should also have provident fund code.

15.2 All the workers deployed by the Contractors or sub-contractors should be enrolled as members of provident fund and should be given the universal Account Number (UAN).

15.3 At the time of submitting the final bills of the works, the contractors have to give a certificate on his letter head that all workers employed directly or indirectly by him in the work are registered for EPF and the due contribution have been credited into their account.

16. GST ON WORKS CONTRACT

16.1 In terms of GOI Ministry of Finance, GST has been liveable on works contracts. The liability of GST rests with the contractor and accordingly rates quoted are deemed to be included this aspect. The contractors are advised to take this fact in mind while quoting tender. Nothing extra whatsoever on this account is admissible.

16.2 The rate quoted by contractor shall also include all taxes/duties i.e. trade tax on works Contracts, GST, custom duty, octroi duty & any other taxes/duties as applicable. This is an express condition of this contract no claim of the contractor shall be entertained by CRPF on this account.

16.3 It is mandatory for the contractors to upload their GST registration number along-with the 'T' bid. This will be the one of the criteria for qualifying in 'T' bid. The contractors, who do not upload GST registration number, shall be disqualified in 'T' bid evaluation and his finance bid shall not be opened.

17. The rates quoted by the Contractor should be **inclusive** of all taxes.

18. Intending bidders shall inspect and examine the site and its surrounding and satisfy themselves before submitting their bids as to the nature of the ground and sub soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice with terms & conditions mentioned there in, all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant etc. will be issued to him by the government and location conditions and other factors having a bearing on the execution of the work.

19. The bid for the work shall remain open for acceptance for a period of 90 days from the date of opening of the bid and rate of accepted bid shall remain valid during the proposed contractual period including extension period if any. If any bidder withdraws his bid before the said period or issue of letter of acceptance whichever is earlier or makes any notifications in the terms and conditions of the bid which are not acceptable to the

department, then the government shall, without prejudice to any other right or remedy, is at liberty to forfeit the said earnest money (bid security) as aforesaid. Further the bidder shall not be allowed to participate in the re-bidding process of the work.

20. The officer inviting bid or his duly authorized assistant will open bid in the presence of intending contractors who may be present at the time of opening and will enter the amounts of the several bids in a comparative statement in a suitable form, in the event of a bid being accepted, a receipt for the earnest money forwarded therewith shall there upon be given to the contractor who shall thereupon for the purpose of identification sign copies of the specification and other documents. In the event of a bid being rejected, the earnest money forwarded which such unaccepted bid shall thereupon be returned to the contractors remitting the same, without any interest.

21. If there is any clarification, this may be obtained through the site, or during the pre-bid meeting, if any. Bidder should take into account the **corrigendum** published from time to time before submitting the online bids.

22. The officer inviting bids shall have the right of rejecting all or any of the bids and will not be bound to accept the lowest or any other bid.

23. All bids in which any of the prescribed conditions are not fulfilled or any condition including that of conditional rebate is put forth by the bidder shall be summarily rejected.

24. The competent authority on behalf of President of India reserves to himself the right or accepting the whole or any part of the bid and the bidder shall be bound to perform/provide the same at the rate quoted by him/accepted by the department.

25. Canvassing whether by bidders directly or indirectly in connection with bids is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable to rejection.

26. All the Standard Conditions of the Contract shall be binding on the parties as per Indian Contract Act and prevailing Rules. The Contractor shall comply with all the applicable Acts, Rules, Regulations and Law (s) for entering into Contract and the User/CLIENT will not in any way be liable or responsible for any default / irregularities / penalties on the Contractor's part.

27. The Contractor or his authorized representative should visit the site as per requirement and meet Estate officer with prior appointment for any clarifications and to receive instructions, etc. at the site.

28. The contractor shall promptly and timely obtain all such consents, permissions, approvals, licenses etc., as may be necessary or required, in accordance with this Tender. The Contractor should obtain approvals, if any, necessary for the work from the Statutory Bodies on behalf of the USER/CLIENT. The Contractor shall assist the User/CLIENT fully in respect of any liaison with the Municipal or any other Authority for necessary approval / permission with regard to the maintenance works. The fees and other statutory charges, if any, will be reimbursed to the Contractor based on the original receipts produced to the User/CLIENT.

29. The Competent Authority has the right to accept or reject/cancel/scrap the tender as whole or part of it and no claims what so ever will be entertained on this account. The competent authority has also reserves the right to increase/decrease/alter the place of work/ quantity of work etc. and no claims what so ever will also be entertained.

30. If the Bidder want to mention any specific condition, it should be mentioned on the covering/forwarding letter in firm's letter head only which will be placed on the first

page of the bid. Such condition mentioned in any other document shall not be given any consideration.

17-04-2026
 DEVESHWARA NAND BHATT
 DIG(ENG)-WORK-DG
 OFFICE OF DIG(ENGG)-DTE
For and on behalf of the President of India

[_____]
Signature of Bidder
 (with seal)

SCHEDULES (A TO F)

SCHEDULE - "A"

Name of work: - **"CONSTRUCTION OF SEMI- PERMANENT STRUCTURE (SIZE 20'X20') FOR RO PLANT AT GROUP CENTRE CRPF GREATER NOIDA (UP)".**

Schedule of quantities: - As per BOQ

SCHEDULE - "B" :-

Schedule of materials to be issued to the contractor.

S.No.	Description of item.	Quantity.	Rate in figures & words	Place of at which the material will issue	Place of at which the contractor be charged to the
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(1)	(2)	(3)	(4)	(5)
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----- **NIL** -----

SCHEDULE - "C" :-

Tools and plants to be hired by the contractor

S. NO.	DESCRIPTION.	HIRE CHARGES PER DAY	PLACE OF ISSUE
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Note :-ALL THE TOOLS & PLANTS REQUIRED FOR CARRYING OUT THE SUBJECT WORK SHOULD BE OWNED/REGISTERED/LEASED EITHER IN THE NAME OF THE SOLE PROPRIETOR OF THE FIRM OR THE NAME OF FIRM i.e HOT MIX PLANT, ROAD ROLLER , JCB etc.

Further the contractor shall also meet the minimum requirement of tools & plants such as Vibratory rollers, Pneumatic wheeled roller, Fully automatic concrete batching plant, Concrete paver finisher ,Continues type hot mix plant, Paver finisher (Hydraulically controlled sensors operated electrically for the pave finisher (Hydraulically controlled), Bull dozers, Road rollers, Drilling machines, Concrete mobile weigh batchers, Transit mixers One bag capacity concrete mixer(diesel), Vibrators (needle and plate type), Trucks/ tippers, Total stations, Concrete cube testing machine(Hydraulically operated), Fully automatic concrete batching plant whichever applicable

SCHEDULE - "D":-

Extra schedule for specific requirements/ documents for the work, if any - NIL

SCHEDULE- "E":-

Reference to General Conditions of

Contract:-

General Conditions of Contract for CPWD Works 2023 with upto-date amendments.

1.1 Name of Work:
(size 20'x20') for

"Construction of Semi- permanent structure

RO Plant at Group Centre CRPF Greater Noida (UP)".

Rs. 7,47,377/-

1.2 Estimated Cost of work: -
1.3 Earnest Money: -
post receipt of

Rs. 14,948/-(The EMD will be returned

Performance Guarantee)

1.4 Performance Guarantee
cost

(a) 5% of tendered value or (ECPT) Estimated

put to tender (whichever is higher) (b) Where the tendered amount is less than eighty percent (80%) of the Estimated cost put to tender, the performance guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount (It shall be valid up to the stipulated date of completion Plus 06 Months beyond that)

1.5 Security Deposit

2.5 % of tendered value

SCHEDULE- "F":-

General Rules & Directions:-

Officer Inviting Tender: -

DIG (Engr.)

Maximum percentage for quantity of items
of work to be executed beyond which rates
are to be determined in accordance with
Clauses 12.2 & 12.3

See below

Definitions:-

2(i) Accepting Authority **DIG (Engr.)**

2(ii) Percentage on cost of
Materials and labour to
Cover all overheads and
Profits

15%

2(iii) Standard Schedule of Rates DSR

2(iv) Department CRPF

9(v) Standard CPWD contract Form
CPWD form 8 & General Conditions of Contract for CPWD Works-2023
with upto-date correction slips.

Clause-1 :-

(i) Time allowed for submission of
Performance guarantee **Programme Chart** **07 days**
(Time & Progress) and from the date
of issue of letter of acceptance.

(ii) Maximum allowable extension

Beyond the period as provided in (i) above Nil.

Clause-1A :- Recovery of Security Deposit of GCC :- Applicable

Clause-2 :- Authority for fixing compensation under clause 2. **DIG (Engr.)**

Clause-2A:- Whether Clause 2A shall be applicable No

Clause- 3 :- Applicable

Clause 3A:- Applicable

Clause 4 :- Applicable

Clause-5:- Applicable

Time allowed for execution of work **60 days**

Authority to decide

i. Extension of time **DIG (Engr.)**

- ii. Rescheduling of mile stones **DIG (Engr.)**
- iii. Shifting of date of start in case of delay in handing over of site **DIG (Engr.)**

Clause-7A :- Whether Clause 7A shall be applicable **Applicable**

Clause 8 :- Completion Certificate and Completion Plans
Applicable

Clause-8A :- Completion Plans to be Submitted by the Contractor **Applicable.**

Clause-9 :- Payment of Final Bill
Applicable.

Clause 9A :- Payment of Contractor's Bills to Banks
Applicable.

Clause-10A:- Materials to be provided by the Contractor **Applicable**

Clause-10-B

(i) Secured Advance on Materials **YES**

(ii) Whether Mobilization advance will be paid **NO**

Clause-10C:-

Payment on Account of Increase in Prices/ Wages due to Statutory Order(s)
applicable. **Not**

Clause-10 CA:-

Payment due to variation in prices of materials after receipt of tender
applicable. **Not**

Clause-10-CC:-

Payment due to Increase / Decrease in Prices/ Wages (excluding materials covered under clause 10 CA) after Receipt of Tender for Works
applicable **Not**

Clause 10 D:- Dismantled Material Govt. Property

The contractor shall treat all materials obtained during dismantling of a structure, excavation of the site for a work, etc. as Government's property and such materials shall be disposed off to the best

advantage of Government according to the instructions in writing issued by the Engineer-in-Charge.

Clause-11:- Work to be Executed in Accordance with Specifications, Drawings, Orders etc.

The contractor shall execute the whole and every part of the work in the most substantial and workmanlike manner both as regards materials and otherwise in every respect in strict accordance with the specifications. The contractor shall also conform exactly, fully and faithfully to the design, drawings and instructions in writing in respect of the work signed by the Engineer-in-Charge and the contractor shall be furnished free of charge one copy of the contract documents together with specifications, designs, drawings and instructions as are not included in the standard specifications of Central Public Works Department specified in Schedule 'F' or in any Bureau of Indian Standard or any other, published standard or code or, Schedule of Rates or any other printed publication referred to elsewhere in the contract. The contractor shall comply with the provisions of the contract and with the care and diligence execute and maintain the works and provide all labour and materials, tools and plants including for measurements and supervision of all works, structural plans and other things of temporary or permanent nature required for such execution and maintenance in so far as the necessity for providing these, is specified or is reasonably inferred from the contract. The Contractor shall take full responsibility for adequacy, suitability and safety of all the works and methods of construction.

Clause-12:-

**Authority to decide deviation
(Engr.)**

DIG

Clause-16:- Competent Authority for
deciding reduced rates.

DIG (Engr.)

Clause17: Contractor Liable for Damages, defects during defect liability period

If the contractor or his working people or servants shall break, deface, injure or destroy any part of building in which they may be working, or any building, road, road kerb, fence, enclosure, water pipe, cables, drains, electric or telephone post or wires, trees, grass or grassland, or cultivated ground contiguous to the premises on which the work or any part is being executed, or if any damage shall happen to the work while in progress, from any cause whatever or if any defect, shrinkage or other faults appear in the work within twelve months (six months in the case of work costing **Rs. Ten lacs** and below except road work) after a certificate final or otherwise of its completion shall have been given by the Engineer in- Charge as aforesaid arising out of defect or improper materials or workmanship the contractor shall upon receipt of a notice in writing on that behalf make the same good at his own expense or in default the Engineer-in-Charge cause the same to be made good by other workmen and deduct the expense from any sums that may be due or at any time thereafter may become due to the contractor, or from his security deposit or the proceeds of sale thereof or of a sufficient portion thereof. The security deposit of the contractor shall not be refunded before the expiry of twelve months (six months in the case of work costing Rs. Ten lacs and below except road work) after the issue of the certificate final or otherwise, of completion of work, or till the final bill has been prepared and passed whichever is later. Provided that in the case of road work, if in the opinion of the Engineer-in-Charge, half of the security deposit is sufficient, to meet all liabilities of the contractor under this contract, half of the security deposit will be refundable after six months and the remaining half after twelve months of the issue of the said certificate of completion or till the final bill has been prepared and passed whichever is later. In case of Maintenance and Operation works of E&M services, the security deposit deducted from contractors shall be refunded within one month from the date of final payment or within one month from the date of completion of the maintenance contract

whichever is earlier.

Clause-18:- Tools & Plants etc.

The contractor shall provide at his own cost all materials machinery, tools & plants as specified in schedule F. In addition to this, appliances, implements, other plants, ladders, cordage, tackle, scaffolding and temporary works required for the proper execution of the work, whether original, altered or substituted and whether included in the specifications or other documents forming part of the contract or referred to in these conditions or not, or Engineer-in-Charge as to any matter as to which under these conditions he is entitled to be satisfied, or which he is entitled to require together with carriage therefore to and from the work. The contractor shall also supply without charge the requisite number of persons with the means and materials, examination at any time and from time to time of the work or materials. Failing his so doing, the same may be provided by the Engineer-in-Charge at the expense of the contractor and the expenses may be deducted, from any money due to the contractor, under this contract or otherwise and/or from his security deposit or the proceeds of sale thereof, or of a sufficient portions thereof.

Clause-19 :- Labour Laws to be complied Applicable.
by the contractor

Clause-19A :- No labour below the age of eighteen Applicable.
years shall be employed on the work.

Clause-19C :- In respect of all labour directly or indirectly employed in the work for the performance of the contractor's part of this contract, the contractor shall at his own expense arrange for the safety provisions as per C.P.W.D. Safety Code framed from time to time and shall at his own expense provide for all facilities in connection therewith. In case the contractor fails to make arrangement and provide necessary facilities as aforesaid, he shall be liable to pay a penalty as decided by the authority mentioned in Schedule F for each default and in addition, the Engineer-in- Charge shall be at liberty to make arrangement and provide facilities as aforesaid and recover the costs incurred in that behalf from the contractor.

Applicable.

Clause -19D :- The contractor shall submit by the 4th and 19th of every month, to the Engineer-in-Charge, a true statement showing in respect of the second half of the preceding month and the first half of the current month respectively:-

- (1) The number of labourers employed by him on the work,
- (2) Their working hours,
- (3) The wages paid to them,
- (4) The accidents that occurred during the said for night showing the circumstances under which they happened and the extent of damage and injury caused by them, and
- (5) The number of female workers who have been allowed maternity benefit according to Clause 19F

and the amount paid to them. Failing which the contractor shall be liable to pay to Government, a sum as decided by the authority mentioned in Schedule F for each default or materially incorrect statement. The decision of the Divisional Officer shall be final in deducting from any bill due to the contractor, the amount levied as fine and be binding on the contractor.

Applicable.

Clause -19K :- Employment of skilled/semi-skilled workers

The contractor shall, at all stages of work, deploy skilled/semi-skilled tradesmen who are qualified and possess certificate in particular trade from CPWD Training Institute/Industrial Training Institute/ National Institute of construction Management and Research (NICMAR)/ National Academy of Construction, CIDC or any similar reputed and recognized Institute managed/ certified by State/Central Government. The number of such qualified tradesmen. The contractor shall submit number of man days required in respect of each trade, its scheduling and the list of qualified tradesmen along with requisite certificate from recognized Institute to Engineer in charge for approval. Notwithstanding such approval, if the tradesmen are found to have inadequate skill to execute the work of respective trade, the contractor shall substitute such tradesmen within two days of written notice from Engineer in- Charge. Failure on the part of contractor to obtain approval of Engineer-in-Charge or failure to deploy qualified tradesmen will attract a compensation to be paid by contractor at the rate specified in schedule 'F' per such tradesman per day. Decision of Engineer in Charge as to whether particular tradesman possesses requisite skill and amount of compensation in case of default shall be final and binding. Provided always, that the provisions of this clause, shall not be applicable for works with estimated cost put to tender being less than Rs. 5 crores. For work costing more than Rs. 10 Crores, and uptoRs. 50 Crores, the contractor shall arrange on site training as per National Skill Development Corporation (NSDC) norms for at least 20% of the unskilled workers engaged in the project in co-ordination with the CPWD Regional Training Institute& National Skill Development Corporation (NSDC) for certification at the level of skilled/semi-skilled tradesmen. For works costing more than Rs. 50 Crores, the contractor shall arrange on site training as per National Skill Development Corporation (NSDC) norms for at least 30% of the unskilled worker engaged in the project in co-ordination with the CPWD Regional Training Institute & National Skill Development Corporation (NSDC) for certification at the level of skilled/semi-skilled tradesmen. The cost of such training as stated above shall be born by the Government. The necessary space and workers shall be provided by the contractor and no claim what so ever shall be entertained.

Clause-19L :- Contribution of EPF & ESI

Applicable.

Clause-20 :- Minimum wages act to be complied with.

Applicable.

Clause 21 :- Work not to be sublet. Action in case of insolvency

The contract shall not be assigned or sublet without the written approval of the Engineer-in Charge. And if the contractor shall assign or sublet his contract, or attempt to do so, or become insolvent or commence any insolvency proceedings or make any composition with his creditors or attempt to do so, or if any bribe, gratuity, gift, loan, perquisite, reward or advantage pecuniary or otherwise, shall either directly or indirectly, be given, promised or offered by the contractor, or any of his servants or agent to any public officer or person in the employ of Government in any way relating to his office or employment, or if any such officer or person shall become in any way directly or indirectly interested in the contract, the Engineer-in-Charge on behalf of the President of India shall have power to adopt the course specified in Clause 3 hereof in the interest of Government and in the event of such course being adopted, the consequences specified in the said

Clause 3 shall ensue.

Clause 25 Settlement of Dispute by Conciliation and Arbitration

(i)	Conciliator	IG (Works)
(ii)	Arbitrator Appointing Authority	IG (Works)
(iii)	Place of Arbitration	New Delhi

Clause 28 Action where no Specifications are specified

In the case of any class of work for which there is no such specifications as referred to in Clause 11, such work shall be carried out in accordance with the Bureau of Indian Standards Specifications. In case there are no such specifications in Bureau of Indian Standards, the work shall be carried out as per manufacturers' specifications, if not available then as per state/ District Specifications. In case there are no such specifications as required above, the work shall be carried out in all respects in accordance with the instructions and requirements of the Engineer-in-Charge.

Clause 30 Water for Works

The contractor(s) shall make his/their own arrangements for water required for the work and nothing extra will be paid for the same. This will be subject to the following conditions.

(i) That the water used by the contractor(s) shall be fit for construction purposes to the satisfaction of the Engineer-in-Charge.

(ii) The Engineer-in-Charge shall make alternative arrangements for supply of water at the risk and cost of contractor(s) if the arrangements made by the contractor(s) for procurement of water are in the opinion of the Engineer-in- Charge, unsatisfactory.

Clause 31 Hire of Plant & Machinery

The contractor should be the owner of all the machinery and plants being used in the SUBJECT WORK FOR WHICH TENDER HAS BEEN CALLED FOR

Clause 32, 33, 34& 35

Applicable

Clause-32 Requirement of technical representative(s) and recovery rate

Sl. No.	Minimum qualification of technical representative	Discipline	Designation (Principal technical / technical representative)	Minimum experience	Nos.	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 32	
						Figure	Words
1.	Graduate / diploma Engineer	Civil	Site Engineer	As Per CPWD	As Per CPWD	As Per CPWD	As Per CPWD

Assistant Engineers retired from Govt. Services who are holding Diploma will be treated at par with Graduate Engineers.

Clause 37:- No engineer of gazetted rank or other gazetted officer employed in engineering or administrative duties in an engineering department of the Government of India shall work as a contractor or employee of a contractor for a period of one year after his retirement from government service without the previous permission of Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who had not obtained the permission of Government of India as aforesaid, before submission of the tender or engagement in the contractor's service, as the case may be.

SPECIAL TERMS & CONDITIONS OF THE CONTRACT

Objective

The Contractor is required to use the Line Plan provided by the Employer and then fully develop detailed, final and through plans, design, specifications and all other documents needed to successfully execute the works. In this regard the Employer shall provide the following in concept form:

a. Brief scope of Work (**Refer Items of BOQ**)

The contractor is not required to strictly confirm to concepts provided by the employer, but, on the contrary, is encouraged to improve on concepts with the goal to provide the final solution which best meets the Employer's goals and objectives. The contractor shall use a certain degree of liberty and flexibility in producing solutions which best meet established goals and objectives. The contractor will be required to adopt the general concepts, as provided, and expand and develop the same to produce complete, thorough, comprehensive and high quality designs, working drawings, and specifications for review and approval by the Employer. **While developing the complete and final designs and specifications, the contractor shall review the concept designs and planning for betterments or improvements which may be incorporated to better achieve the Employer's goals and objectives and which may result in overall improvement or functionality.** These betterments, if any, shall be submitted by the contractor to the employer for review and approval before the final design is completed. A brief summary of the Employer's key goals and objectives in executing works under this Contract are as follows:-

- a. High quality construction
- b. Maximize sustainability concepts.
- c. Minimize long term facilities maintenance and upkeep costs.
- d. Employee latest/modern construction technologies and best practices.
- e. Maximize the natural surroundings and attributes to the extent possible.
- f. Complete interim project priority milestones and overall schedule objectives on time.
- g. Complete project within established budget.

Reference Standards

The Work covered by this specification shall comply with the latest editions and revision of Indian standards & CPWD Specifications and as may be specified elsewhere in the Contract documents.

The latest editions and revision of Indian standards & CPWD Specifications applicable as on 15 days (Fifteen days) before the final date of submission of the tender, shall be adopted. The contractor shall maintain at site a copy of the latest editions", laws, CPWD Specifications and codes applicable to the work to be undertaken on site.

The Contract Documents reference a number of Codes, standards and guidelines. In some cases, these documents any be in disagreement or conflict. Where conflicts or omissions are identified, the

Contractor shall notify the EIC who shall make a determination will generally adopt the most conservative or stringent requirement.

Brief Scope of Work Covered Under of BOQ

The scope of work includes **submission of architectural drawing and approval of the architectural drawings by Client Department, the contractor shall also submit the Structural drawing duly vetted by Govt. Engg. College for approval by the Client Department.**

1.1 Contractor's warranty of Design.

- a. The Contractor shall be fully responsible, for the suitability, adequacy, integrity, durability and practicality of the Contractor's proposal in respect of design of building.
- b. The Contractor warrants that the works have been or will be designed, manufactured, installed and otherwise constructed and to the highest standards available using proven up-to-date good practice. By submitting the Drawings for review to the Engineer, the Contractor shall be deemed to have represented that it has determined and verified that the design and engineering, including field construction criteria related thereto, are in conformity with the Scope of the Project, the CPWD Specifications and IS Standards and the Applicable Laws.
- c. The Contractor warrants that the Contractor's Proposals meet the requirements and is fit for the purpose thereof. Where there is any inadequacy, insufficiency, impracticality or unsuitability in or of the Requirements or any part thereof, the Contractor's proposal shall take into account, address or rectify such inadequacy, insufficiency, impracticality or unsuitability at Contractor's own cost.
- d. The Contractor warrants that the Works will, when completed, comply with enactments and regulations relevant to the Works.
- e. The Contractor have to get the structural design vetted and approved from any Govt Engineering collage and shall also provide a structural stability certificate dully vetted from the designer for the design for suitability, adequacy, and practicality of design for Employer's Requirements.
- f. The Contractor shall indemnify the Employer against any damage, expense, liability, loss or claim, which the Employer might incur, sustain or be subject to arising from any breach of the Contractor's design responsibility and/or warranty set out in this Clause.
- g. Notwithstanding that such design may be or have been prepared, developed or issued by the Employer, any of Contractor's consultants, his sub-contractors and/or his qualified personnel/persons or cause to be prepare, developed or issued by others.
 - i. Notwithstanding any warranties, guaranties and/or indemnities that may be or may have been submitted by any other person.
 - ii. Notwithstanding that the same have been accepted by the Engineer-in-charge.

The Contractor shall be fully responsible for the Plants, Materials, goods, workmanship, preparing, developing and coordinating all design Works to enable that part of the Works to be constructed and/or to be fully operational in accordance with the Contract's requirements.

No claim for additional payment or extension of time shall be entertained and/or no review and/or observation of the Engineer and/or its failure to review and/or convey its observations on any Drawings shall relieve the Contractor of its obligations and liabilities under this Agreement in any manner nor shall the Engineer or the Employer be liable for the same in any manner; and if errors, omissions, ambiguities, inconsistencies, inadequacies or other Defects are found in the Drawings, they and the construction works shall be corrected at the

Contractor's cost, notwithstanding any review under this section.

2.2 If any modification in Architectural/Structural/Service design/drawing or any other change is needed as per site conditions or as per client's requirement, the contractor shall do/redo the design and then execution without any extra cost. The decision of the Department shall be final and binding. No claim whatsoever will be entertained in this regard.

2.3 **All drawings/specifications/makes and construction methodology etc. are to be got approved from Client Departmentally prior to execution/procurement.** However, it does not imply that contractor absolves themselves from codal provisions/statutory requirements.

2.4 The **various design mix of concrete required for project shall be got done by the contractor from any Govt Engineering college or NABL at their own cost.** The same is to be got approved from Engineer-in-charge before execution of work.

2.5 In case of any discrepancies between Specifications due to DBR, Scope of Work, Technical Specification, CPWD specification, IS Codes etc. Stringent of all will be applicable.

2.6 The contractor is required to submit all its submittals like Drawings, Documents, reports, Schedules, invoice copies, etc. (whether original or revised) in 3 (three) Hard & 3 (three) soft (CD/DVD) copies. This clause applies to every submittal of contractor under this contract.

2.7 As-Built drawings and Documents

Prior to issue of any taking over certificate, the Contractor shall furnish to the Engineer-in-charge a complete set of as-built Drawings in 3(three) sets of hard copies reflecting the Project as actually designed, engineered and constructed, including an as-built survey illustrating the layout of the Project and setback lines, if any, of the buildings and structures forming part of Project Facilities. The works shall not be considered to be completed for the purpose of taking over until such documents have been submitted to the Engineer.

Disposal of surplus excavated earth/Spoils

The Contractor shall be deemed to have taken into account the quantum of excavation involved and that the surplus excavated earth remaining after use in operations such as Horticulture/Landscaping, Gardening, backfilling etc. and to be disposed-off by him; shall become his property free of cost.

It will be the responsibility of the Contractor to get the permission for yard for dumping the surplus excavated earth from EIC if required. If any royalty/fee is payable to local authority, such royalty/fee shall also be borne by the Contractor. Disposal shall be carried out strictly as per the regulations of local authority. The contractor shall store the excavated earth required for operations such as Horticulture/Landscaping, Gardening, back filling etc., at suitable place at project site under his safe custody at his own cost. Thereafter, the earth so stored shall be back filled at site at the appropriate time. The cost of storage, transportation (to & from site), handling etc. shall be borne by the contractor.

The contractor shall also be deemed to have taken into account the credit to be given to Employer in his quoted price for such surplus earth obtained free of cost.

The contractor shall also make his own arrangement for the disposal of the spoils from the works to such place where the same shall not cause nuisance and should be acceptable to the authorities concerned without any cost to Employer.

Unforeseeable Difficulties

Except as otherwise specifically stated elsewhere in the Contract:

The Contractor shall be deemed to have obtained all necessary information as to risks, contingencies and other circumstances which may influence or affect the Works;

By signing the Contract, the Contractor accepts total responsibility for having foreseen all difficulties and costs of successfully completing the Works; and

The Contract Price shall include all the works mentioned Scope of work, Design basis reports (DBR), External Finishes, Internal Finishes, technical specifications, Concept / tender Drawings, tender documents etc. covering the entire area in all respect to make the buildings & complex fit for its intended purpose i.e. handing over for functional use as office building and not be adjusted to take account of any unforeseen difficulties or costs. Employer shall not provide any material either on chargeable or on free issue basis to the contractor for execution of the project.

WATER SUPPLY AND ELECTRICITY

Arrangement of water for drinking purpose in addition to the water required for construction work is also to be arranged by the contractor at his own cost. The contractor shall also make his own

arrangement for obtaining electric connection (s) during construction phase and make necessary payment directly to the department concerned. Employer will however make all reasonable recommendations to the authority concerned in this regard.

The above scope of work is not exhaustive however; contractor is required to execute all the items as per Scope of work, and Design basis reports (DBR)/specifications, Technical Specifications, Drawing etc. Any other item not covered under scope of work but seems necessary for proper operation shall be executed by the contractor with in the cost of work.

STRUCTURAL WORKS

The Scope of work of the Contractor shall be as under:-

I. Detail design/preparation of drawings based on DBR;
Shop drawing and approval of Structural Design along with RCC design – Proof checking from any Govt Engineering college for Supply, fabrication, Construction, Installation and Commissioning of Structural Member.

II. Further, details (in brief) are as under: -

- a. The detailed Civil/Structural Design/preparation of Drawings for above mentioned buildings/spaces are within the Scope of the Contractor.
- b. The concept design (Architectural), Structural Design Philosophy of above building/spaces, structural framing is provided in tender documents based on which the contractor has to prepare detailed Civil/Structural drawings of each and every aspect of the project required for construction of buildings in all respect. The Structural Design & Drawings shall be got vetted from Govt Engineering college.
- c. The contractor shall not be absolved of their responsibility of structural stability and correctness of structural design. The contractor shall bear all the losses if arises out of the failure of any part of the project.
- d. Based on the DBR & the architectural drawings, the agency shall submit the structural design and drawings based on the Design Philosophy given in the Technical Specification, within the time as stipulated in Table of Milestone in this SCC. Every Civil/Structural drawing/ detail shall be prepared conforming to detailed Technical specification, CPWD specifications and relevant IS code. All dimensions of various structural members / slabs /

columns / elements shall be gotten approved by Employer.

III. The Civil/Structural Design & Drawings (whether RCC or Structural Steel or composite) expressly (but not limited to) includes the following:-

- a. Studying the Architectural Concept Design, Structural Design Philosophy, submitting proposed structural design framework of each building/floor/area and obtaining approval of Employer. Due care to be taken for integrating the structural drawing with the Architectural Drawings & with all MEP Services, Landscape features & Elevation features etc.
- b. Design on appropriate software like Staad-Pro and drawing on a software like Auto CAD including fabrication drawings, shop drawings, bar bending schedule etc. of each and every component of buildings/spaces within Scope of work on suitable scale (6 no. of sets of each drawings), including

but not limited to :-

1. Diaphragm wall with soil anchors for bulk excavation.

2. Sheet piling if required to safeguard existing trees
3. Foundation Drawings/Details & Schedule, whether raft or strip footing and/or combination of footings/Pile footing (if required).
4. Column Drawings/Schedule with capital and flat slabs.
5. Suspended floors, roofs, landings, balconies and access platform.
6. Shelves (Cast in situ/pre-cast);
7. Lintels, beams, plinth beams, girders, bressumers and cantilevers;
8. Columns, Pillars, Piers, Abutments, Posts and Struts;
9. Stairs (including landings)
10. Curved floor plates in plan
11. Shafts;
12. Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards.
13. All steel structures in landscape/building such as projection, pergolas, trellis, porch etc.
14. Centering & shuttering using aluminum form work / 34 kg ply/new metal shuttering with all due fitments as necessary.
15. All steel structure including 2 hr fire protection using fire paint.

III. Execution of complete work as per detail scope of work, Technical specification and drawings.

The Structural system of the project shall be designed by the contractor in accordance with the Indian Code IS:456 for concrete and IS 800 for steel structure with latest amendments, which is considered for concrete/steel structures respectively in the country.

Water proofing of HDPE membrane with crystalline admixture for waterproofing treatment to RCC should be done in raft footing, retaining walls.

Water proofing of EPDM Rubber Guard Membrane with crystalline admixture for waterproofing treatment to RCC should be done in deck slab and roof top. Water proofing of cement tape grit for waterproofing treatment to RCC should be done in sunken area like toilets, kitchen.

Design Life

Materials and construction systems has been selected to be consistent with the requirements of a "life of the building" as defined in Table 1 of IS 875: "Code of practice for design loads of building and construction". This category relates to "Important buildings and structures and recommends a specified design life of 50 years.

SAMPLE OF MATERIALS

1. Materials provided by the contractor for incorporation in the work shall be of makes as given in Particular Specifications.
2. The contractor shall not procure materials unless the samples are first got approved by the EIC.
3. The order of precedence for acceptance of materials shall be as under :-
 - a. Materials of makes as given in Sch
 - b. Materials of makes given in Particular Specifications.
 - c. Materials whose makes are not given in Schedule, Particular Specifications, then such material shall be ISI marking. IS means Indian Standards as issued by the Bureau of Indian Standards.

Wherever in the specifications IS is referred to, it means the edition with all amendments, current on

the due date of receipt of the tender documents. In case of non-manufacture of ISI marked materials, materials shall conform to relevant ISI.

- d. In case of non-availability of materials at (a), (b) & (c) above, best available materials in the market as desired in clause and approved by Engr-in-charge.

DAMAGE TO EXISTING STRUCTURES

1. Any damage done to the existing pavement and structure. etc., during the execution of the work shall be made good by the contractor at his own expenses and site of works left clean and tidy on completion. Rectification, reinstatement, replacement, making good and touching up etc., shall be carried out to conform to the materials and workmanship originally as provided and to the satisfaction of the Engineer-in-Charge. In case of any dispute on this account, the decision of the Commander Contract shall be final and binding.

PARTICULAR SPECIFICATION GENERAL

- a. Work under this contract shall be carried out in accordance with Scope of work, particular specifications, drawings and General Specifications and other provisions in CPWD Specification read in conjunctions with each other.
- b. General Rules, specifications, Special Conditions and all preambles in the GCC-2023 be deemed to be applicable to the work under this contract.
- c. Where specifications for any item of work are not given in CPWD specifications & in particular specifications, specification as given in relevant Indian Standard or code of practice shall be followed.
- d. The lump sum quoted by the tenderer shall be deemed to include for any minor details/items of work and/or constructions which are obviously and fairly intended and which may not have been included in these documents but which are essential for the execution and entire completion of the work.

EXCAVATION AND EARTH WORK

If rock/boulder is met at site, Contractor shall immediately notify the fact to the EIC in writing. The rock/boulder so obtained shall be sorted out and neatly stacked as directed by the Engineer-in-Charge, without any extra cost to Government. This rock/boulder should be neatly stacked at site and shall be entered in the measurement book duly signed by the contractor and Engineer-in-Charge. This rock/boulder shall become the property of the contractor, The rock thus obtained may be permitted to be used for hard core/WBM, if conformed to the specification and other requirements.

- c. Timbering to excavation if required and specifically ordered by the EIC shall be provided.
- d. Bailing/pumping out of water where required shall be carried out as described. The cost of such work as may be necessary shall be deemed to be included in the quoted by the Contractor's lump sum.

PREPARATORY WORK

Before setting out the buildings/structures and commencing the construction, the contractor shall carry out the preparatory work, such as removal of grass, vegetation and small trees having a girth not exceeding 30cms etc., trimming surface dressing of the „area“ except building portion extending upto edge of plinth protection to the entire satisfaction of Engineer-in-Charge.

FILLING IN TRENCHES/UNDER FLOORS

The approved earth obtained from excavation of foundations shall be used for filling in trenches, under floors and any other situations after removing big stones, grass, roots and vegetables and other organic matter. Earth mixed with small stones/pebbles (if approved by EIC) is permitted for use in

filling under floors and foundations. The fillings around pipes after the pipes are laid and tested shall, however be with earth free from pebbles/stones. 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. For purpose of lump sum the entire earth obtained from excavation except surface dressing and surface excavation shall be deemed to be fit for reuse. Lump sum price shall include for any extra soil, if required, for filling even after reusing all the useful excavated soil obtained by the contractor from his own source without any extra cost to the department.

Filling under floors/sides of trenches shall be in layers not exceeding 250 mm and each layer shall be compacted by rammers of 7 to 10 Kg weight. Earth filling shall be adequately watered for achieving maximum compaction. Filling shall be carried out to the entire satisfaction of Engineer-in-Charge.

Surplus soil shall be removed and spread at places as directed by the Engineer-in-Charge, at a distance not exceeding 50m.

TRENCHES FOR FOUNDATION AND PIPES

The excavation shall be restricted to dimensions shown on the drawings and as specified. Excavation made, if any, in excess of required depth/width shall be made good by the Contractor with cement concrete 1:7:12 type F2 without extra cost to the Government.

The beds of the trenches shall be watered and well rammed and any depressions thus formed shall be filled with approved earth as required to the level and slopes as directed by Engineer-in-Charge.

DRESSING AROUND BUILDINGS

After construction of buildings/structures before handing over, the area all round the buildings/sheds upto 3m from the edge of building/plinth protection shall be dressed and spoil obtained from such dressing shall be removed to a distance not exceeding 50m, spread and levelled as directed by Engineer-in-Charge.

FOUNDATION AND PLINTH

Plinth height shall be 45 cm in general. However, if any building is sited in comparatively low lying area Plinth height shall be 90cm. For the purpose of reckoning the depth of the foundation the average level of the ground after preparatory work shall be considered.

HARD CORE

The material for hard core shall be locally available best quality. Hard Core shall be of stones/boulders (broken of gauge) not exceeding 63mm. Hard core shall be deposited spread and levelled in layers not exceeding 15 cm thick and well watered, rammed to a true surface and compacted

ANTI-TERMITE PRECONSTRUCTION SOIL TREATMENT IN FOUNDATION AND GROUND FLOORS

Preconstruction anti-termite chemical treatment shall be carried out for all buildings.

Anti-termite treatment shall be got done through approved specialist agency which is a member of Indian pest Control Association holding valid license as per Clause 13 of Insecticides Act 1968. Persons employed to do the anti-termite treatment shall be qualified as per Rule 10 of the rules framed under the Inspections Rules 1971. The specialist agency may be one who is located and active in the area with prior approval of EIC.

Anti-termite treatment shall be carried out with emulsion of the chemical Chlorophyriphos (20%EC) purchased direct from the manufacturers or his authorized agents. Purchase vouchers shall be produced before the EIC for verification and defacement against this contract. Contractors will not be allowed to use the chemical "aldrin", "Heptachlor", and "chlordan" in view of ban imposed by the Government".

The defects liability period of anti-termite treatment shall be 10 years and the contractor shall be responsible to keep the entire buildings free from termite infestation for a period of 10 years after the certified date of completion. The contractor may obtain a similar guarantee from the specialist firm engaged by him for the purpose.

- b. Chemical brought to site in sealed containers bearing ISI certification marks shall only be permitted to be used.
- c. Chemicals shall be stored carefully at site, seals of the containers shall be broken only in the presence of the Engineer-in-Charge. Empty containers should be got removed off the site promptly. If on any particular day the

contents of full containers could not be used in the work, the containers should be got sealed at the end of the day in the presence of the Engineer-in- Charge and opened when required, also in the presence of the Engineer-in- Charge.

- d. The Engineer-in-Charge should ensure that paid vouchers are produced by the agency executing the work for the full quantity of chemicals required and brought to site and record of such vouchers should be kept by the Engineer-in-Charge.

CEMENT: Cement required for the work under the contract shall be procured, supplied and incorporated in the works by the contractor under his own arrangement. Cement shall be of tested quality and shall comply with the requirements mentioned in the drawings, IS Specifications as amended and particular specifications given hereinafter.

Type of cement for the subject work shall be ordinary Portland cement grade 43 (forty three) in accordance with IS 8112-1989 or Portland pozzalana cement in accordance with IS-1489. Contractor may be permitted to use ordinary Portland cement grade 53 (Fifty three) also without any extra cost to the Govt as approved by EIC.

SOURCES OF PROCUREMENT

Cement shall be procured by the contractor from any of main producers/ manufactures of cement listed in Annexure here-in-after

The contractor shall furnish the particulars of the manufacturer of cement along with the date of manufacturing of cement to the EIC for every lot of cement separately.

For each lot of cement brought by the contractor, before acceptance of the cement the following actions will be taken by the EIC :-

- a. Inspect the lot and verify the general conditions of the cement.
- b. Obtain the vouchers (IN ORIGINAL) of the manufacture of cement for each lot containing the date of manufacturing, from the contractor.
- c. Obtain from the contractor for each lot of cement the manufacturer's Test Certificate (IN ORIGINAL) along with Test Sheets giving the result of each physical test and chemical composition of cement or authenticated copy thereof duly signed by manufacturer. The Test Sheet should include the results of the following mandatory test :-
 - i. Specific surface by Blains air Permeability method.
 - ii. Soundness Test by Le" Chatlier method.
 - iii. Initial setting time.
 - iv. Final Setting time.
 - v. Compressive strength test at 3, 7 & 28 days as specified in the relevant IS code.
 - vi. The test report should also show the chemical properties of the cement as per relevant IS Codes.

The cement so brought shall be fresh and in no case older than 90days from the date of manufacture. The EIC accordingly in consultation with the contractor will work out the Schedule of procurement and ensure that the same is adhered to. The document in support of the purchases of cement shall be verified by the Engineer-in-Charge. Before placing the order for supply of cement by the contractor, he shall obtain written approval from the EIC regarding name of manufacturer, quantity of cement etc. Cement shall be procured for minimum requirement of one month and not procured for minimum requirement of more than two months at a time and should match with the physical progress of the work. The cement shall be consumed in the work within three months after receipt. Cement shall conform to the requirement of Indian Standard Specification and each bag of cement shall bear relevant ISI mark. The content of cement shall be checked at random to verify the actual weight of cement per bag. However, the content of cement per bag shall be 50 Kg only subject to tolerance given in relevant IS code.

TESTING OF CEMENT

The contractor shall submit the manufacturer's test certificate in original or attested true copy along with test sheets giving the results of each physical test as applicable in accordance with relevant IS provision and the chemical composition of cement or authenticated copy there of duly signed by the manufacture with each consignment, as per the following IS provision :-

- a. Method of sampling hydraulic cement as per IS- 3535.
- b. Method of physical test for hydraulic cements as per IS-4031.
- c. Methods of chemical analysis of hydraulic cement as per IS-4032.

The test certificate and test sheet shall be furnished with each batch of manufacture.

The Engineer-in-Charge shall record these details

The contractor shall submit test report of compressive strength test of cement through designated approved laboratory on samples collected from the lot brought at site before incorporation in work. The contractor will be allowed to use the cement only after satisfactory compressive strength test results of three days & seven days. To meet this requirement contractor is required to keep minimum 10 days stock before any new lot brought at site which can be used in the work. The contractor shall be required to remove the cement not meeting the requirement from site within 24 hours. Seven days strength test will be relied upon to accept the lot of cement to commence the work. 28 days compressive strength test will be the final criteria to accept/reject the lot.

INDEPENDENT TESTING OF CEMENT

The EIC may carry out independent random samples of cement drawn from various lots. The testing shall be carried out through any Govt Engg College or NABL labs as per IS- 3535 (method of sampling hydraulic cement), IS-4031 (method of physical test for hydraulic cement) and IS-4032 (Method of chemical analysis of hydraulic cement) referred to above. In case the cement is not of requisite standard despite manufacturer's test certificate, the contractor shall remove the total consignment from the site within 24 hours at his own cost after written rejection order of the consignment by the EIC. The cost of testing, transportation and of material used in testing etc. shall be borne by the contractor irrespective of the results of testing and no extra claim whatsoever shall be admissible.

Cost of transportation of samples to the approved laboratory/test house and all testing charges including cost of sample shall be borne by the contractor.

The contractor shall submit original purchase vouchers for the total quantity of cement supplied under each consignment to be incorporated in the work. All consignments received at the work site shall be inspected by the EIC along with. The original purchase vouchers and the test certificates shall be verified for subject contract and defaced by the Engineer-in- Charge and kept on record in the office

STORAGE/ACCOUNTING/PRESERVATION OF CEMENT

Cement shall be stored in covered sheds over dry platform at least 20cm high in such a manner as to prevent deterioration due to moisture or intrusion of foreign matter. In case of store room, the stack should be at least 60cm away from floors and walls. Different lots of cement received will be stacked separately. The stacking of cement shall be done as specified in relevant IS .The storage accounting and preservation of cement supplied by the contractor shall be done as per standard engineer practice till the same is incorporated in the work and the cost of the same shall be deemed to be included in the unit rate/amount quoted by the tenderer.

Stacking of cement shall be done as per relevant IS and as under :-

- a. Each cement consignment shall be stacked separately and shall be issued to work on the basis of "First come First go".
- b. Adequate top cover will be provided.
- c. Stacks in no case shall be higher than 12 bags. The maximum width of each stack shall be 3.00 m. If the stack is to be more than 7 or 8 bags high, the bags shall be arranged in header and stretcher fashion, i.e., alternatively lengthwise and crosswise so as to tie the piles together and avoid danger of toppling over.
- d. Adequate space shall be kept between two stacks.

FINE AGGREGATE

Fine aggregate for concrete work shall conform to materials specifications and grading as per indian standard and CPWD Specification

COARSE AGGREGATE

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Coarse aggregate for all cement concrete work shall be graded crushed/broken hard granite stone obtained from approved quarries.

GRADING OF COARSE AGGREGATE

Graded aggregate of nominal sizes given here under, shall be used, unless specified otherwise, in the specifications here in after:-

- a. All reinforced cement concrete : - Unless otherwise shown on drawing, the size of aggregate shall be as per IS-456, but in no case more than 20mm graded aggregate.
- b. Plain cement concrete :-
 - i. Upto and incl 30 mm thicknesses : 12.5 mm.
 - ii. Over 30 and upto and incl 75mm thickness : 20 mm.
 - iii. Exceeding 75mm thickness : 40 mm.

Water : Water shall conform to the requirement stipulated in IS 456.

Mix of concrete: Unless otherwise specified, mix of cement concrete in various situations shall be as under:-

<u>Sl.No</u>	<u>SITUATIONS</u>	<u>TYPE OF CONCRETE</u>
(a)	Cement concrete in foundation and bedding concrete for RCC column.	As per Design basis report.
(b)	Cement concrete in copings and bed blocks and plinth protection.	PCC (1:3:6) (by volume) Type C1.
(c)	Cement concrete in sub-floors (base concrete) for floors of all buildings.	PCC (1:3:6) (by volume) Type C1.
(d)	All RCC works	RMC grade M-25(Design Mix)/GradeM-25 (Design Mix) mixed at site in automatic concrete weigh batching plant as per IS 456- 2000 and IS 10262- 2009 & SP 23 latest edition.
(e)	Cement concrete in flooring	PCC (1:2:4) (by volume) Type B1.
(f)	Cement concrete in any other situations not mentioned above.	PCC (1:2:4) Type B1
(g)	Lime concrete in surround to floor and WC	40 Parts of lime mortar mixed with

		108 parts of 40mm graded stone aggregate.
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Note: Mix of Two types of concrete i.e RMC and concrete mixed in weigh batching plant shall not be permitted for the same element of structure.

IMPORTANT REQUIREMENT OF REINFORCED CEMENT CONCRETE/PLAIN CEMENT CONCRETE

- i. All the materials, workmanship inspection and testing for the cement concrete shall be as per requirements given in IS-456-2000.
- ii. The contractor shall provide all facilities for casting, curing and conveyance

of test cubes of cement concrete to authorized laboratory as approved by the EIC for testing as laid down in IS-456-2000 at no extra cost to Government.

- iii. Engineer-in-Charge shall maintain a record of actual consumption of cement in proper register (other than the cement register mentioned in special condition) for all design mix and initial the entry for every change in quality of cement bag.

All concrete for RCC work shall be consolidated/compacted by mechanical vibrator of approved type (plate type for slab and needle type in other location). Plain cement concrete may however be rammed and consolidated by tamping and Roding as specified

All plain cement concrete shall be mixed in mechanical mixer of Hopper type. However, in case of small quantity (i.e) the quantity of concrete required being less than one batch of mix, the contractor may, after obtaining written permission of the Engineer-in-charge, be allowed hand mixing without any price adjustment. Where hand mixing is permitted, it shall be carried out on a water tight platform and care shall be taken to ensure that mixing is continued until the concrete is uniform in colour and consistency. However, all design mix concrete shall be weigh batched and volumetric conversion will not be permitted.

COMPACTION

Concrete should be thoroughly compacted and fully worked around the reinforcement, embedded fixtures and into corner of the form work. Internal vibrators (needle vibrator) shall be used for compaction of RCC beams, columns and the slabs of thickness more than 150mm. For slab of thickness upto 150mm, screed vibrator (surface vibrator) shall be used for effective compaction.

BATCHING AND MIXING OF CONCRETE BATCHING

- a. The mixing of cement and aggregate for cement concrete for all grades and type of RCC work shall be done by Hopper concrete mixer
- b. The batching shall be as per clause 10.2 of IS 456: 2000

All concrete for RCC work shall be consolidated / compacted by mechanical vibrators of approved type (plate type for slabs and needle type in other locations). Plain cement concrete may however, be rammed and consolidated by tamping and rodding.

DESIGN MIX CONCRETE

Wherever design mix concrete is specified/shown on drawing, the same shall be provided as per the following :-

- a. Design mix concrete shall have requisite workability and 28 days characteristic compressive strength not less than 25/30N/Sqmm and the acceptance criteria shall be all as per IS 456-2000. The mix shall be

designed as per recommended guide lines for concrete design mix as per IS. The concrete mix shall be got designed from any NABL accredited lab or NIT or any Govt Engineering College so as to produce the grade of concrete having the required workability and characteristic strength not less than that specified. The initial mix design particulars along with all the connected documents shall be submitted to the EIC for approval. The work on ground shall not be progressed until approval of design mix by the EIC. However work may be commenced if the results of 7 days test are satisfactory and the contractor undertake to redo the work at "No extra cost to Government" in the event of unsatisfactory results after 28 days test. Subsequent design mix due to change in aggregate or for any other reasons shall however be approved by the EIC.

Minimum quantity of cement shall be as per provision of IS: 456-2000 meeting the requirements from durability point of view. However if extra quantity of cement is used for whatever reasons, the same shall be at no extra cost basis to Government.

TESTING

Tests of concrete cubes shall be carried out as laid down in IS-456-2000. The cost of all materials and labour for casting and curing the requisite number of cubes, cost of testing in laboratory approved by the EIC including transportation of cubes to approved laboratory, testing fees and other expenses etc. shall be borne by the contractor.

READY MIX CONCRETE (RMC)

RCC Ready Mix Concrete alternatively may be used for design mix concrete without any extra cost to GOVT as specified here in after. Specification for RMC shall be as given below and contractor's quoted rates shall be deemed to include above provisions.

- a. Supply of RMC shall be conforming to IS-4926-2003. RMC shall be manufactured by firms listed in Annexure here-in-after. The agency of „RMC" shall be got approved prior to commencement of „RMC " work.
- b. The agency of RMC shall be got approved from EIC prior to commencement of RCC work. However the responsibility of maintaining quality and grade of concrete fully rests with contractor.
- c. RMC Plant shall be supplied with the following information by the EIC :-
 - i. The type of cement to be used.
 - ii. Time of delivery in accordance with the requirement of IS 456-2000 (4th Revision).
 - iii. The slump or compacting factor or other requirement of consistency or workability.
 - iv. The ages at which the test cubes or beams are to be tested and number of tests to be made.
 - v. Any other requirement.
 - vi. Use of Admixture (if any) to be used.

Concrete mix design shall be carried out preferably by RMC manufacturer complying with the relevant IS specifications. for all the ingredients as listed below :-

Material

BIS Specification

- i. Coarse Aggregates IS : 383-1970
- ii. Fine Aggregates IS : 383-1970
- iii. Cement IS : 8112-1989 IS : 12269-1989

Admixtures IS : 9103-99(Rev) Only ISI marked admixtures shall be used.

FORM WORK

Form works to be provided under this contract shall be of steel only as specified here- in-after in lieu of timber formwork. Props shall be of only steel and bottom plates and side shuttering shall also be of steel only. For supporting small heights, wooden support may be used in lieu of steel support at the discretion of EIC Similarly in small locations where steel shuttering is practically not possible, plywood shuttering may be used in lieu of steel shuttering at the discretion of EIC without price.

Deformed steel sheet shall not be permitted for use as form work.

EXPOSED SURFACE OF CONCRETE

The soffit of slabs, sides and soffits of beams, soffit of staircase slab, RCC parapet and RCC drop and soffits of chajjas etc. which are not covered under schedule of finishes shall be plastered with cement mortar (1:3) 5mm thick finished fair and even in addition to finishing the surface as specified.

However, exposed surfaces of lintels, beams, columns etc which are continuous with plastered surfaces of walls shall be plastered, in the manner specified for the walls.

PRECAST CONCRETE ARTICLES

Cement concrete lintels with or without integrally cast chajjas upto 1.5M clear span, bed blocks/plates, manhole cover slabs and jalli and the like may either be pre-cast or cast-in-situ at the contractor's option unless otherwise shown on drawings. If pre-cast, these shall be set in cement mortar (1:4).

RCC CHAJJAS

The top surface of chajjas shall be finished with 10mm thick cement plaster in cement mortar 1:4 with mixture of approved water proofing liquid of makes as specified here-in after at the rate of 0.4% by weight of cement or as per manufacturer's instructions. The junction of wall with chajjas shall be provided with a coving of girth not less than 7.5 cm in cement mortar (1:4).

The water proofing cement plaster as specified here-in-before shall be returned on the wall for a minimum height of 30 cm above the top of coverings.

THROATING/WEATHERING

Throating to projections of RCC/PCC beyond external faces of the walls where shown on drawings and where RCC Chajjas are not provided with downward fascia, shall be formed in the concrete while casting by planting fillets/bar of 12mm diameter in the form work and finished smooth. PCC fillet of size 50mm x 50mm in same mix shall be provided in downward drops.

BEARING OF RCC STRUCTURAL MEMBERS

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Bearing to roof slabs on masonry walls comprises of 20mm thick bearing plaster in CM (1:4) finished even and smooth and two layers of water proofing building paper type-I conforming to IS-1300 weighing not less than 100 gms/sqm each layer shall be laid over it. However, in case floor/roof slab rests on RCC beams/bands, this provision does not apply.

All RCC beams having bearing on masonry work shall be provided with PCC bed blocks cast in situ PCC (1:2:4) type B1. Bed blocks shall be 500mm in length, covering the entire thickness of wall and of depth 150 mm.

The bearing of lintel shall comprise of a full wall thickness with vertical joints in stone masonry work staggered. RCC bands shall be provided on all load bearing masonry walls where roof slabs with slope are directly supported all as shown on drawing.

PLINTH PROTECTION

Plinth protection in all situations shall be provided with 75 mm thick PCC (1:3:6) type C-1 over 75mm thick consolidated bed of hard core of broken granite aggregate not exceeding 63 mm gauge over rammed earth. The width of the plinth protection shall be 90cm. PCC shall be laid in alternate bays (not exceeding 2 Sqm) and finished even and smooth on top without using extra cement. 6mm wide joints shall be provided throughout the thickness of plinth protection, in concrete bays, at corners and turning points and also in between walling and plinth protection. All joints in plinth protection shall be filled with mastic filling comprising 1 Part of heated bitumen 85/25 grade and 3 parts of sand (all by

weight). Plinth protection shall not be provided in the area which is covered by steps/ramps. Saucer drain shall be provided wherever required.

CONCRETE PADDING

Where the required height of walls/opening is not obtained with adequate size of stone/brick, the same shall be obtained by providing PCC 1:3:6 type C1 padding to make up height. Stone chips/cut bricks shall not be used.

MASONARY

Masonry in Building walls, Compound wall, Manholes etc shall be of Precast PCC Block.

STONE MASONRY

Stone for masonry work shall be granite stone.

The stone masonry shall be random rubble masonry uncoursed as specified.

Unless otherwise specified, all stone masonry work in foundation, plinth, shall be built in CM (1:6). Sand for mortar shall be natural and conforming to IS-2116 as stated in

BOND OR THROUGH STONES

When bond stones of required size are not available the contractor may provide pre-cast PCC 1:3:6 type C-1 bond stone of size 20cm x 20cm x thickness of wall in lieu of stone bond stone without price adjustment. For wall less than 90cm PCC bond stone shall be provided in full width of stone wall in single piece. Where the thickness of wall exceeds 90cm stone bond stones can be provided in more than one piece with a minimum overlap of 15cm between the bond stone and each stone shall not be less than 45cm length. Bond stones shall be provided all as specified.

DRESSING

All surfaces of stone masonry other than the portion hidden by earth filling shall be hammer dressed as specified in CPWD Specification. Maximum depression on surfaces shall not exceed 20 mm and 40 mm for masonry surface to be plastered and pointed respectively.

Holes in PCC block masonry /stone masonry /concrete shall be left or made for water supply, plumbing, sanitation, electrification etc., where shown on drawings or as ordered by the Engineer-in-Charge. These holes on completion be made in PCC 1:3:6 type C1 match with the adjoining surfaces as specified. The cost of making leaving the holes and making good shall be deemed to be included in the lump sum quoted.

CURING

Masonry work shall be kept constantly moist on all the faces for a minimum period of 7 days.

PRECAST CEMENT CONCRETE BLOCKS

The solid PCC blocks shall be of nominal size 400 x 200 x 200mm (for 200mm thick walls) or 400 x 100 x 200mm (for 100mm thick walls). Half blocks, if required, shall be manufactured in half lengths of 200mm. The tolerance on length of individual block shall be + 5 mm, and tolerance on height and width of block shall be + 3mm. The faces of the blocks shall be flat and rectangular, opposite faces shall be parallel and all arises shall be square. The bedding surface shall be at right angles to the faces of blocks. All blocks shall be sound and free of cracks or other defects which interfere with the proper placing of blocks.

Solid concrete block shall have solid material not less than 75% of the total volume of the block calculated from the overall dimensions. PCC block masonry of 200mm or more thickness shall be in cement sand mortar 1:6. PCC block masonry of 100mm thickness shall be in cement sand mortar 1:4. Cement and sand shall be as specified here-in-before.

FACTORY MADE FLUSH DOOR SHUTTERS

- a. Flush door shutters shall be provided at locations as indicated in Sch of finishes of Buildings.
- b. Flush door shutters shall be of solid core type with block board core with commercial veneer facing on both sides. The thickness of door shutters shall be 35mm. Factory made flush shutters shall be obtained from any one of the manufacturers specified here-in-after. Samples of shutters along with test certificates shall be produced to the EIC for inspection and approval. Sample shutters shall be got approved from EIC before placing bulk order.

Factory made shutters shall be brought to site before applying the primer and the shutters shall be got passed by the Engineer-in-Charge before application of primer.

FACTORY MADE SKELETON SHUTTERS FOR MOSQUITO PROOF DOORS

- a. Mosquito proof shutters where indicated in Sch of finishes of Buildings shall be of factory made skeleton shutters conforming to IS : 1003 (Part – I) with second class hard wood styles and rails, of species specified here-in-before and wire gauge. The dimensions of shutters shall be as specified CPWD specification
- b. Timber shall be of kiln seasoned and chemically treated by pressure process as specified in Para 5.5 of IS: 401.
- c. Other treatments to timber surfaces such as tarring, painting etc., shall be carried out in addition.

Factory made skeleton shutters shall be obtained from any one of the manufacturers specified here-in-after. Samples of shutters along with test certificates shall be produced to the EIC for inspection and approval. Sample shutters shall be got approved from EIC before placing bulk order.

Factory made shutters shall be brought to site before applying the primer and the shutters shall be got passed by the Engineer-in-Charge before application of primer.

WORKMANSHIP

Joinery shall be wrought all over. Timber surface exposed to view shall be wrought and surface not exposed to view shall be clean sawn. The workmanship and fixing of joinery shall be as specified in CPWD Specification.

The dimensions of various components of joinery shown on drawings, wherever at variance, shall supersede the standard dimensions mentioned in the CPWD Specification

Timber member's upto 3 meter length shall be in one piece.

Plugging to walls shall be done with wooden plugs. The spacing of plugs shall not be exceeding 30 cms centre to centre.

PARTICLE BOARD

Particle board shall be commercial veneered on both sides bonded with BWR grade synthetic resin adhesive and shall conform to exterior grade conforming to IS: 3097.

PLY WOOD

All ply wood where indicated on drawing shall be BWP grade conforming to IS: 303.

STAINLESS STEEL WIRE CLOTH

Wire mesh to be used for wire gauzed shutters of fly proof doors and louvered ventilators shall be of stainless steel mesh with average width of aperture of size 1.18 mm x 1.18 mm and of 26 gauge. The wire cloth shall be provided for mosquito proof doors / windows/ventilators.

ALUMINIUM DOORS

Aluminium doors and fixed glazing shall be powder coated.

The shutters shall be made out of specially extruded tubular sections with provision for weather stripping made in the vertical jambs. The cleats for mechanical horizontal /vertical joints of the fixed frame and shutters shall be specially extruded aluminum sections so as to avoid any play between jointed members.

The aluminium door shutters shall be fixed with brass floor spring single action type provided with floor springs.

The active leaf shall have unity lock. The active leaf shall also have one concealed sheet bolt which can be operated from inside.

For fixing glazing, the glass shall be encased in EPDM gaskets so as to avoid direct contact between metal and glass.

The aluminium sections shall be coated with epoxy polyester powder coating. Thickness of coating shall be 45 microns (+ or- 5). Colour of coating shall be as approved by EIC. Chemical and mechanical properties of sections shall comply with requirements given in IS 733-1983.

Glazing shall be provided of thickness of glazing 5mm thick.

All aluminium doors shall have hydraulic door closer and all aluminium doors shall have EPDM gaskets.

STEEL WINDOWS AND VENTILATORS

Steel windows/ventilators shall be provided at locations all as indicated in Schedule of finishes of Buildings and shall be procured from any one of the manufacturer mentioned in the list of manufacturers given. Fabrication, specifications and fixing of windows and ventilators shall be as specified in CPWD specification

The voids of steel frame shall be filled with PCC 1:3:6, type CO. using 12.5mm graded stone aggregate.

The process of welding adopted may be flash-butt welding or any other suitable method which gives a continuous and solid joint all along the place of meeting the members. Welds shall be properly ground with no protrusions of welding material at the joint.

Standard fittings shall be provided.

Machine screws as specified in IS 1038 shall only be used for fixing. Provide glazing as specified here-in-before.

ALUMINIUM GRILLS

Aluminium guard bar shall be to all Aluminium windows.

STEEL WINDOWS WITH FLY PROOF

Steel windows with fly proof shall be provided at indicated in Schedule of finishes of Buildings. Exposed surface of steel frames shall be given two coats of synthetic enamel paint over a coat of primer and surface in contact with masonry/concrete shall be sanded over two coats of tarring. Wire mesh for fly proof shutters shall be galvanized mild steel wire cloth of 0.63mm nominal dia of wire and average width of aperture 1.40mm. The wire cloth shall be provided for mosquito proof shutters wherever shown on drawings. The sample of wire mesh shall be got approved from the EIC before incorporating in the work.

PVC DOOR FRAMES AND DOORS

Doors and frames for toilet/WC/bath and toilet blocks shall be factory made PVC moulded doors. However shutters shall be of wood free EPS core shutter. PVC moulded door shall be procured from any one of the firms mentioned in the list of manufacturers here in after.

BUILDERS HARDWARE

All articles of builder's hardware shall bear ISI marking. In case any item/fitting with ISI mark is not manufactured, it shall conform to the relevant IS specifications.

Screws used for fixing items of builder's hardware shall be ISI mark is not manufactured, it shall conform to the relevant IS specifications

ARTICLES. All the builders" hardware except butt hinges shall be of aluminium anodized unless otherwise specified.

BUTT HINGES

Butt hinges shall be of cold rolled mild steel of medium weight all as specified

TOWER BOLTS

Tower bolts shall conform to specifications

The dia of shoot shall be 10 mm for length upto 125mm and 12mm dia for length 150 mm and above.

SLIDING DOOR BOLTS

Sliding door bolts shall be all shall be 300 mm long with 16 mm dia bolt.

HANDLES

Handles shall be of aluminium alloy fabricated of required size

RUBBER STOPPER AND CHOKE

Standard rubber stopper and choke shall be provided as approved by EIC.

KNOBS

Chromium plated aluminum Knob shall be conforming to IS

MORTICE LOCK

Chromium plated brass mortice lock, 4 lever

PIANO HINGES

Chromium plated piano hinges shall be provided

PRESSED STEEL FRAMES FOR DOORS/WINDOWS/VENTILATORS

All door/window/ventilator frames except PVC and aluminum shall be of pressed steel frames. Pressed steel frames shall be made out of 1.25 mm thick MS Sheet and conforming to the specifications shall conform to IS-4351.

The void of the steel frames shall be filled with PCC 1:3:6 type CO (using 12.5mm graded stone aggregate).

MS tie bar of 10mm dia round bars shall be provided at the bottom of frames by welding to the frame and tie bar shall be embedded and left in door.

MS conduit not less than 19mm dia of 16 gauge closed at one end shall be welded to inner face of frame for receiving shoot of bolt. MS Socket for housing shoots of tower bolt shall also be provided as directed by Engineer-in-Charge.

Exposed surface of steel door frames shall be given two coats of synthetic enamel paint over a coat of primer and surface in contact with masonry/concrete shall be sanded over two coats of tarring.

STEEL AND IRON WORK:-

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 arrangements. The reinforcement steel as well as the structural steel like angles, I Sections channels etc shall be of tested quality and shall comply with the

requirement. The contractor shall submit test certificate from the manufacturers.

TYPES OF STEEL

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

STEEL FOR CONCRETE REINFORCEMENT

- i. High strength deformed steel bars produced by Thermo Mechanical Treatment process TMT bars/TMT HCR/CRS Steel Bars of grade Fe-500D meeting all other requirements of IS: 1786. In case drawings indicate steel of grade 415, same shall be provided with Fe- 500D without any price adjustment on plus side. Please note that Fe-415 grade stands discontinued for use.
- ii. Mild steel bars shall conform to IS-432 (Part I) and grade I.
- iii. Fabric Reinforcement for concrete shall conform to IS: 1566.

STRUCTURAL STEEL

- i. Definition of structural steel as given. Standard quality steel of grade E-250 (Fe -410 W quality A) conforming to IS: 2062 for all types of steel structures including those subject

(iii) Galvanized steel sheets (plain and corrugated) shall conform to IS -277. Grade of zinc coating to be used. Minimum coating of zinc shall be to dynamic loading shall be used.

- ii. Ordinary quality structural steel wherever mentioned shall be conforming to IS-1977 of grade E-165 (Fe-290)

450 g/sqm.

SOURCE OF PROCUREMENT

TMT STEEL/TMT HCR/CRS

- a. TMT steel bars and TMT HCR/CRS bars of all sizes supplied by the contractor shall be procured directly from the approved manufacturers in Annexure here-in-after.
- b. **STRUCTURAL STEEL**: The contractor shall procure Structural steel sections from the approved manufacturers/authorised dealers listed in Annexure here-in-after.
- c. Galvanized steel sheets and Fabric Reinforcement for concrete shall be procured from approved manufacturer/authorised dealers duly conforming to BIS/ISI specification.
- d. Steel section for railing, gates, fencing, guard bars, grills, steel chowkats, hold fasts etc, which do not constitute structural members, can be procured from main producers / secondary producers /BIS marked manufacturers or their authorized dealers at the option of Contractor without any minus price adjustment. Tests for such steel sections shall not be insisted by EIC.

All finished steel shall be well and clearly rolled to the dimensions, sections and weights specified. The finished material shall be reasonably free from cracks, surface flaws, laminations, rough jagged and imperfect edges and any other harmful defects and shall be finished in a proper manner. Tolerance on size and weight of reinforcement bars shall not be more than as specified in IS-1786 and IS-2062 and

as per relevant IS codes.

Contractor will give to EIC, manufacturer's test certificate (IN ORIGINAL) along with the test sheet giving result of each mechanical test and the chemical composition of steel (as per IS 1786) for reinforcement steel or authenticated copy thereof duly signed by manufacturer with each consignment. The documents such as original purchase vouchers and test certificates in support of the purchases of steel shall be produced by the contractor to the site staff & EIC for verification and record.

APPROVAL OF STEEL BROUGHT BY THE CONTRACTOR

Following action shall be taken by EIC before incorporating steel procured by the contractor for the work :-

- a. Physical verification of steel received to confirm the actual quantity of steel as well as to verify aspects brought out in foregoing.
 - b. EIC will obtain original machine numbered purchase vouchers of manufacturer from contractor.
- (c) Verify the documents listed in Ser (b) & foregoing given by the contractor from the manufacturer.
- d. No consignment or part thereof will be allowed to be incorporated in the work until and unless the test results of independent testing are obtained and the consignment is passed by EIC Schedule of procurement will be prepared keeping in view the time lost for testing etc.
 - e. Three samples of pieces (3.00m long) of each section of each consignment will be retained at the project site till completion of the work. These samples will be suitably marked and properly preserved.

TESTING OF STEEL

- a. The manufacturers of steel are to carry out inspection and testing of steel in accordance with the relevant BIS provisions. The contractor shall submit manufacturer's test certificate in original along with the test sheet giving the result of each mechanical test as applicable in accordance with relevant IS provision and the chemical composition of the steel or authenticated copy thereof with each consignment duly signed by manufacturer with each consignment. The Engineer-in-Charge shall record these details & send a certified true copy of test sheet to EIC for his records.
- b. For independent testing, random samples of steel drawn from various lots and shall be got tested from any Govt Engg college or NABL approved Labs, etc). Samples from each lot shall be also tested for quality and elongation. The elongation shall not be less than 18%.
- c. Ultimate tensile strength elongation, bend and rebend test for reinforcement steel bars shall be carried out as per Clause 9 and test specimen shall be as per Clause 11 and delivery inspection shall be as per Clause 12 of IS-1786. Bend tests and tensile tests for structural steel shall be carried out as per IS-2062. All original vouchers will be kept in a file serially numbered and to be kept in EIC office. Test certificates of each steel consignment will be kept in a file, serially numbered and kept in EIC office. In all cases mentioned above contractor at his cost shall provide all facilities required for the testing. Cost of materials consumed in tests including transportation & testing shall also be borne by contractor. The

records of such checks shall be maintained

STORAGE ACCEPTANCE/PRESERVATION OF STEEL

The steel procured by the contractor shall be stored in the site of work as directed by Engineer-in-Charge neatly in separate stacks at least 15 cm above GL for various grades/quality / sizes / consignments with distinct paint marks for identification.

Steel will be stored in a manner so as to prevent distortion and corrosion till it is consumed in the work. Any section that has deteriorated and corroded or if considered defective for any other reason, the same shall be removed from site by contractor at his cost.

SAFETY OF STEEL

It will be responsibility of contractor to make sure that all possible arrangement is made for safe custody of the steel. In case of any loss of steel, only contractor will be responsible and the loss will be made good by contractor without any delay or claim what so ever.

WELDING

Welding wherever shown on drawing shall be by metal arc process in accordance with IS 816 and IS 822 unless specifically indicated otherwise on drawings.

BINDING WIRE

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Binding wire for reinforcement shall be mild steel wire annealed not less than 0.9mm dia.

COVER BLOCKS

Cover blocks shall be precast factory made all as specified in IS- 456

ApprovedDate#
DEVESHWARA NAND BHATT
DIG(ENG)-WORK-DG
OFFICE OF DIG(ENGG)-DTE
For and on behalf of the President of India

Appendix 'A'

PROFORMA OF BANK GUARANTEE FOR SUBMITTING EARNEST MONEY (On banks letter head with adhesive stamp)

To,
The DIG,
GC CRPF Greater Noida.
Dear Sir,

In accordance with your invitation to Tender No-----

M/s. _____ (here in after called "The tenderer") With the following Directors on their Board of Directors/Partners of the firm.

1. _____ 2.

3. _____ 4.

Wish to participate in the said tender enquiry for the work of "Construction of Semi- permanent structure (size 20'x20') for RO Plant at Group Centre CRPF Greater Noida (UP)" to you (here in after called "The purchaser"). Whereas a bank guarantee against Earnest Money for a sum of Rs. _____ (in words) _____ Valid for 90days from the date of tender opening viz. up to _____ is required to be submitted by "the tenderer" as a precondition for the participation, this bank hereby guarantees and undertakes to pay the purchaser up to the above amount upon receipt of its first written demand, without the purchaser/contractor having to substantiate its demand, provided that in its demand the purchaser/contractor will note that the amount claimed by it is due to it owing to the occurrence of any one of the three conditions mentioned below, specifying the occurred condition or conditions during the above said period of 90days without any reservation and recourse.

1. If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of its validity.
2. If the tenderer after submitting his tender, modifies the rates or any of the terms and conditions thereof, except with the previous written consent of the purchaser.
3. If the tenderer having been notified of the acceptance of this tender by the purchaser during the period its validity and

If the tenderer fails to furnish the performance security for the due performance of the contract.

If the tenderer fails or refuses to accept and or execute the contract as provided in the general conditions of contract.

The guarantee shall be irrevocable and shall remain valid up to **90** days from the date of opening of tender. If further extension to this guarantee is required, the same shall be extended to such period on receiving instructions from the tenderer on whose behalf this guarantee is issued and any demand in respect thereof should reach the Bank not later than the above date.

Date. _____

Signature of authorized officer of the bank

Place _____

Name.

Designation

Name and address of the bank

Banker's Common Seal

-

Appendix-B"

PROFORMA OF BANK GUARANTEE FOR FURNISHING PERFORMANCE SECURITY DEPOSIT

To

The President of India,

Whereas M/s _____ - _____ -

(Name and address of the supplier) (here in after called "the supplier") has undertaken, in pursuance of contract no.....dated..... to supply/work of "Construction of Semi- permanent structure (size 20'x20') for RO Plant at Group Centre CRPF Greater Noida (UP)" and whereas it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a nationalized or scheduled commercial bank of good repute and record recognized by you for the sum

specified therein as security for compliance with its obligations in accordance with the contract:

And whereas we have agreed to give the contractor such a bank guarantee:

Now therefore we hereby affirm that we are the guarantors and responsible to you, on behalf of the supplier/contractor, up to a total of

.....
 (amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier/contractor shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the..... day of..... 2026

(Sig. of the authorized
 officer of the Bank) Name and designation of
 the officer

Name and address of the Bank

Banker's common seal

Appendix-C

PERFORMANCE STATEMENT

(Duly filled)

1	Name & Location of work	
2	Cost of work	
3	Name of Client	
4	Full address of the firm	
5	Contact No. of the contact person of the Client for whom works was executed	
6	E-mail id of the contact person (Mandatory)	
7	Completion period	Stipulated (Date of work started)
		Actual (Date of Completion work)
8	Whether the work was left incomplete (reason if any for delay in completion of work) or contract was terminated from either side (give full details)	

9	Any other relevant information
---	--------------------------------

Appendix-D

LIST NO-1

(Must be filled in all respect)

TENDERERS SHOULD FURNISH SPECIFIC ANSWERS TO ALL THE QUESTIONS GIVEN BELOW. TENDERERS MAY PLEASE NOTE THAT IF THE ANSWER SO FURNISHED ARE NOT CLEAR AND / OR ARE EVASIVE, THE TENDER WILL BE LIABLE TO BE IGNORED.

1. Tender No.
2. Name and address of firm/contractor :

3. What is your permanent Income Tax A/C NO. :
4. Status.
 - a. Indicate whether you are Govt. registered or not :
 - b. GST No. :
5. Please indicate name & full address of your banker in the following format -
 - a. Bank Name, Branch and Bank Account No. (Core bank account)
 - b. IFSC Code :
 - c. Whether bank branch is NEFT/RTGS enables or not:

6. State whether your firm with you have been
Banned by any Govt. /CPWD authority? :

7. Please confirm that you have read all the instructions carefully and have complied with accordingly. :

Signature of Witness

Signature of Tenderer with seal

(Full Name and address of witness in Block letters)

(Full Name and address of the persons signing in Block letters)

Whether signing as Proprietor/ Partner/ Constituted Attorney/ duly authorized by the Company

Appendix-E

Questionnaire/Check List (must be filled in all respect)

01	Whether firm/Contractor is registered for the
----	---

	tendered work or not	
02	Registration No. and Date	
03	Registration issued by	
04	Registration valid up to	
05	Copy of Registration submitted or not	
06	GST registration No	
07	Whether Copy of GST registration certificate submitted or not with tender	
08	PAN No.	
09	Whether Copy of PAN No submitted or not with tender	
10	Whether Copy of replacement Warranty period of new fittings enclosed or not	
11	Whether EMD enclosed, if yes details of EMD	
12	Whether offer is valid up to 90 days or otherwise.	
13	Whether your firm Worked with CRPF during last 02 years. (YES/NO) i. Please apprise whether any EOT (Extension of time) granted by CEA. ii. In case any LD charges imposed against any work (Kindly mention name of work with location)	i. ii.
14	Complete details of Banker with IFSC code, Account No. Name of Bank, Name of Branch, Bank Code, Swift code etc.	
15	Whether past performance Performa submitted along with copies of award of contracts or not	
16	Whether tender specification / work scope accepted by the firm/contractor or not	
17	Whether all pages of tender has been signed by the authorized signatory or not and returned with offer of not.	
18	Whether all the terms and condition of the Tender Enquiry including payment terms are acceptable or not	
19	Any other specific condition of the firm/contractor	

Signature_____

(Name of the firm/Contr

actor)
with
seal/s
tamp

-

Date: To,

TENDER ACCEPTANCE LETTER
(The bidder must submit on Company Letter Head.)

Appendix-F

-

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference

No: _____

____Name of Tender /

Work:-

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely:

as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. ____ to ____ (including all documents like annexure(s), schedule(s), etc.), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/ organizations too have also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above mentioned tender

document(s) / Corrigendum in its totality / entirety.

5. In case any provisions of this tender are found violated , then your department/ organization shall without prejudice to any other right or remedy be at liberty to reject this tender/bid including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

Appendix
ix-“G”

Index of documents
(Must be filled in all respect.)

Sl. No.	Requirement	(Firm Should correctly fill following column.)	(Indicate page number of tender documents where related information is shown/available it can be verified columns should be highlighted)
1	Whether Regd. with CPWD/ PWD etc.		
	Validity of registration		
2	Bid Security declaration		
	Whether specification of work confirmed or not		
3	Terms of work start and finish (Our requirement is start within 07 Days and finished within 60 days)		
4	Validity of offer (Our requirement is 90 days from the date of opening)		
5	Past performance (attached or not)		
6	Arbitration Clause (agreed or not)		
7	Warranty Clause (agreed or not)		
8	GSTIN NO. (attached or not)		
9	Liquidated damage clause (agreed or not)		
10	Partnership agreement (attached or not)		
11	Name & Add. Of Bankers.		
12	Whether business dealing banned or not		
13	Whether tender signed properly		

14	Pan Card Details		
15	GSTIN		

Signature of Tenderer
Date.....

Name of Tenderer
 .

Appendix-“H”

To

**The DIG,
 GC CRPF, Greater Noida.**

Sub: Submission of Tender for the work of.....

Dear Sir,

I/We acknowledge that DEPARTMENT/CRPF is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document.

I/We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender documents, failing which I/We will stand disqualified from the tendering process. I/We acknowledge that THE MAKING OF THE BID SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE of this condition of the NIT.

I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by CRPF. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

I/We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the tender/bid, CRPF shall have unqualified, absolute and unfettered right to disqualify the tenderer/bidder and reject the tender/bid in accordance with terms and conditions of the tender/ bid.

Yours faithfully
 (Duly authorized signatory of the Bidder)

To be signed by the bidder and same signatory competent / authorized to sign the relevant contract on behalf of CRPF

INTEGRITY AGREEMENT

This Integrity Agreement is made at on this day of..... 2026

BETWEEN

President of India represented through **The DIG, GC CRPF, Greater Noida** 'Principal/Owner', which expression shall unless repugnant to the meaning or context here of include its successors and permitted assigns)

AND

.....
.....

(Name and Address of the Individual/firm/Company)

Through.....
(Herein after referred to as the (Details of duly authorized signatory)

"Bidder/Contractor" and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

Preamble

WHEREAS the Principal / Owner has floated the Tender (NIT No) (hereinafter referred to as "Tender/Bid") and intends to award, under laid down organizational procedure, contract for

.....
.....

(Name of work)

Here in after referred to as the "Contract".

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as "Integrity Pact" or "Pact"), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under

Signature of Tenderer

Date.....

Name of
TendererThe DIG,
GC CRPF, Greater Noida**OFFICE OF THE SPECIAL DIRECTOR GENERAL OF POLICE, J&K ZONE HQR,
CRPF, JAMMU (J&K)- PIN- 181123. CONTACT NO. OF THE TENDER INVITING
AUTHORITY :- 0191-2957920**

Tender Reference No. B.V-7/2026-27-JKZ -C-CELL (GC NDA SAP)

17-04-2026

// SCHEDULE OF QUANTITY //

Online tenders are invited from registered firms/contractors for work of as per details given below:-

NAME OF WORK :- "CONSTRUCTION OF SEMI- PERMANENT STRUCTURE (SIZE 20'X20') FOR RO PLANT AT GROUP CENTRE CRPF GREATER NOIDA (UP)"

SL. No.	Description	Qty	Unit
Civil Works			
1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and for all lift, as directed by Engineer-in-charge. All kinds of soil	18.11	cum
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	1.13	cum
3	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	14.79	cum
4	Providing and laying damp-proof course 50 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources).	7.71	sqm
	Excavating, supplying, stacking and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including		

5	ramming and watering of the earth in layers not exceeding 20 cm in foundation trenches, plinth, sides of foundation etc. complete for all lift.	36.00	cum
6	52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	37.21	sqm
7	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	0.90	cum
8	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	224.24	kg
9	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	18.60	sqm
10	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	18.60	sqm
11	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)	18.60	sqm
12	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes	756.54	kg
13	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	185.72	kg
14	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 25x25 mm made of G.I. wire of dia 3 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.	91	sqm
	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) of total coated thickness 0.50 mm (base metal of minimum 0.45 mm thickness with total coating thickness of 0.05mm) with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and		

15	polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	52.00	sqm
16	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	32.50	sqm
17	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1: 4 (1 cement : 4 coarse sand) : 25 mm thick	22.57	sqm
18	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 15 mm nominal dia Pipes	25.00	metre
19	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 20 mm nominal dia Pipes	50.00	metre
20	Providing and fixing rectangular high density polyethylene water storage loft tank with cover, conforming to ISI : 12701, colour of opaque white or as approved by Engineer-in-charge. The rate includes making necessary holes for inlet, outlet & over flow pipes. The base support including fittings & fixtures for tank.	3,000.00	litre
21	Providing and fixing PTMT, push cock of approved quality and colour. 15 mm nominal bore, 98 mm long, weighing not less than 75 gms	20.00	Nos
22	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required. Upto 35 sq. mm	25.00	Metre

23	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required Double pole	5	Each
24	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. 100 A, 25 KA, TPMCCB	1	Each
25	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. 100 A	1	Each
26	Providing and fixing of 20 watts LED Tubelight	4	Each
27	Providing and fixing of 120 watts Flood light	4	Each
28	Providing and fixing of 06 Amp. Switch socket combination box	2	Each
29	Providing and fixing of 16 Amp. Switch socket combination box	2	Each

Note:-

i) The lowest bidder will be decided on overall rate of entire work instead of item (category) wise. Rates quoted by the bidder must be inclusive of applicable G.S.T (Goods and Services Tax) and all other charges if any but exclusive of EPF & ESI Contributions on the part of Employer as applicable with F.O.R (Site of work) at GC CRPF Greater Noida (UP).

ii) The E.P.F & E.S.I contributions on the part of employer in respect of the contract shall be paid by the contractor to concerned department well in time. These contributions on the part of the employer paid by the contractor shall reimbursable by this department on actual basis and on production of receipt of the concerned department.

ApprovedDate#
DEVESHWARA NAND BHATT
DIG(ENG)-WORK-DG
OFFICE OF DIG(ENGG)-DTE
For and on behalf of the President of India

[_____]
Signature of Bidder
(With seal)

-

Annexure-II

FORMAT OF SOLVENCY CERTIFICATE

Format1

[_____]

Reference No.....	Date.....
To	
.....(Name of Firm)	
.....(Address)	
.....	
<p>This is to state that to the best of our knowledge and information, Mr./Ms./M/s.....a customer of our Bank is respectable and can be treated as good upto a sum of Rs. (Rupees in words). It is clarified that this information is furnished without any risk and responsibility on our part in any respect what so ever more particularly either as guarantor or otherwise. This certificate is issued at the specific request of the customer.</p>	
Place:	
Date: (with bank seal)	Branch Manager

OR

Format2

Reference No.....	Date.....
To	
.....(Name of Firm)	
.....(Address)	
.....	
<p>This is to certify that as per information available, Shri/Smt./Ms....., is solvent up to Rs.....(Rupees). This certificate is valid for the period fromto.....This certificate is issued without any guarantee or responsibility on the part of the Bank or any of its employees.</p>	
Place:	
Branch Manager	
Date:	(with bank seal)

**For the purpose of guidance.*

-
-
-

RAW MATERIALS I.E. CEMENT, DISTEMPER, PRIMER, PUTTY, VITRIFIED TILE, SYNTHETIC ENAMEL PAINT& EUROPEAN WC ETC. ARE OF AS PER FOLLOWING APPROVED BRANDS SHOULD BE USED FOR WORKS.

The following are approved brand makes/manufacture's makes listed below, in use it is

established that material as listed below is not available in the market. Approved equivalent material and finished of any other specialized brand names/manufacture's makes may be used as per approval of client/Architect.

Name of work:- "CONSTRUCTION OF SEMI- PERMANENT STRUCTURE (SIZE 20'X20') FOR RO PLANT AT GROUP CENTRE CRPF GREATER NOIDA (UP)"

LIST OF APPROVED MANUFACTURES/SUPPLIERS (GENERAL)		
S.NO	MATERIAL	APPROVED PRODUCT / MAKE
1	CEMENT (OPC/PPC)	ULTRATECH, ACC , DALMIA, NUVOCO, AMBUJA, SHREE, STAR, OR AS DIRECTED BY ENGINEER-IN-CHARGE
2	STRUCTURAL STEEL SECTIONS AND REINFORCEMENT	TATA(TISCON), SAIL, RINL, JINDAL STEEL & POWER LTD., JSW STEEL LTD
3	DAMP PROOF MATERIAL/ POLY SULIPHIDE SEALANT/ ADMIXTURES/ WATER PROOFING COMPOUND/ INJECTION GROUTING	DR. FIXIT, FOSROC, BASF, IMPERMO, CICO, ZYDEX, DOW, CORNING, CHOKSEY, TUFFSHEAL, SIKKA,
4	WHITE CEMENT	J.K. WHITE, BIRLA WHITE
5	LOCKS/ LATCH	GODREJ, HARRISON, YALE, LINK.
6	SS WIRE MESH	STERLING ENTERPRISES, TRIMURTY WELDED, SPC (SELECTED PRODUCTS CO).
7	ADHESIVE	PIDILITE, FOSROC, SIKA, CICO,
8	EPOXY MORTAR	FOSROC, SIKA, DR. FIXIT, CICO.
9	DASH FASTENER	HILTI, FISHER, BOSCH, CANON
10	FLUSH DOOR SHUTTERS (DOOR SHUTTERS (DECORATIVE/ NON DECORATIVE)/ LAMINATES/ PRELAMINATED PARTICLE BOARD/ BOARD & PLYWOOD	GREENPLY, CENTURY, NATIONAL, DURO, JAYNA (JAIN WOOD INDUSTRIES), MERINO, ACTION TESA, NOVOPAN, KITLAM, ARCHID, PLY, ACTION TESA (ISI MARKED)
11	HYDRAULIC DOOR CLOSE R/ FLOOR	GODREJ, DORMA, HEFFLE, KICH, HETTICK, HARDWYN
12	WOODEN DOOR FITTINGS OF BRUSHED STEEL	B & R, GODREJ, DORMA, HEFFLE, KICH, HETTICK.(ISI MARKED)
13	S.S. STAIRCASE RAILING/ ACCESSORIES	KICH, D-LINE, JINDAL STAINLEES STEEL LTD.(ISI MARKED)
14	FIRE CHECK DOOR	PROMAT, KUTTY DOOR, NAVAIR, SAINT GOBAIN, SIGNUM FIRE PROTECTION INDIA PVT. LTD.)
15	FIRE CHECK ACCESSORIES CALCIUM/ SMOKE SEAL STRIP/ DOOR, CLOSER LOCK	PROMAT, NAVAIR, ASTRO FLAME.
16	PREMIUM ACRYLIC EXTERIOR PAINT WITH LOW VOC / INTERIOR ACRYLIC PAINT AND PRIMER WITH LOW VOC/	ASIAN, BERGER, NEROLAC, DULUX
17	ANODISED ALUMINIUM HARDWARE (HEAVY DUTY)	CLASSIC HARDIMA, EVERITE, SIGMA (ISI MARKED)
18	HARDWARE FITTINGS	GODREJ, HFFLE, HETTICH, KICH, DORMA, POLYTUF (R.S. INDUSTRIES).
19	TEMPERED GLASS	MODL SAINT GOBAIN, ASAHI, MODI
20	POLYSTER POWDER COATING	NEROLAC, BERGER, J & N

21	ALUMINIUM SECTIONS	HINDALCO, INDALCO, JINDAL
22	FRICTION STAY HINGES	EARL-BIHARI, HETTICK, DORMA,
23	NUTS, BOLTS AND SCREWS	HETTCK, HEFFLE, KICH, DORMA
24	EPDM GASKET	HANU, ANAND
25	STRUCTURAL SILICON/WEATHER SILICON	DOW CORNING, WACKER, 3M
26	ADHESIVE TAPE	NORTON, 3M (ISI MARKED)
27	GLAZED CERAMIC TILES / VITRIFIED TILES	KAJARIA, SOMANY, NITCO, ORIENT, CERA, JOHNSON
28	CEMENT CONCRETE TILES/ HARDONITE TILES	NITCO, HINDUSTAN, PODDAR, ULTRA TILES, NTC
29	TILE ADHESIVE	CICO, PIDILITE, FERROUS, BALENDURA, LETECRETE.
30	CHEQUERED TERRAZO TILES	NITCO, BHARAT, PODDAR, ULTRA TILES, NTC, CERA, SOMANY.
31	CLAY TILES ON ROOF	KENJAI, JOHNSON.
32	CC PAVERS	NITCO-(ROCKARD), PODDAR.
33	GRASS PAVER	UNISTONE, ULTRA
34	WATER-PROOF CEMENT PAINT/ SYNTHETIC ENAMEL PAINT/ PLASTIC EMULSION PAINT	SNOWCEM, ASIAN, BERGER, NERQLAC, DULUX
35	VITREOUS CHINA SANITARY WARE	PARRYWARE, HINDWARE, ESSCO, KOHLER SOMANY, CERA.
36	FIRECLY SINK & DRAIN BOARDS	PARRY, SUNFIRE
37	S.S. KITCHEN SINKS	NILKANTH, AMC, COBRA, SPC (SELECTED PRODUCTS CO.), CERA, M/S PRAYAG POLYMERS (P) LTD, KINGSTON (PLASTO CRAFT SANITARY INDIA PVT. LTD.)
38	C P BRASS BATH FITTINGS	JAQUAR, HIND WARE, KOHLER, SOMANY, PRIMA CERA, KINGSTON, PRAYAG, ESSCO (JAQUAR)
39	SOIL, WASTE & VENT PIPES & FITTING (A) CENTTIFUGAL CAST IRON	NECO, SKF, HE1'CO, BIC RPMF (RAJ PATIERN MAKERS & FOUNDERS PVT. LTD.) (ISI MARKED)
40	LA (CI) PIPES	NECO, RIF
41	G.I. PIPES	TATA, JINDAL (HISSAR), BANSAL, SURYA PRAKASH, SYNTEX.
42	GI FITTINGS (MALLEABLE CAST	UNIK, ZOLOTO
43	GUNMETAL VALVES	LEADER, SANT, ZOLOTO
44	STONEWARE PIPE & GULLY TRAPS	PERFECT, PARRY
45	R.C.C. PIPES (NP-2)	LAKSHMI, SOOD & SOOD, JAIN & Co.
46	MS PIPES	TATA, SAIL, JINDAL, ELECTRO
47	C.I. DOUBLE FLANGED SLUICE	KIRLOSKAR, IVC, BURN

48	C.I. DOUBLE FLANGED NON- RETURN VALVE	KIRLOSKAR, LEADER
49	C.I. MANHOLES COVERS	BIC, RIF,SPC (SLELECTED
50	UPVC PIPE	SUPPEREME, PRINCE, FINOLEX, AKG, KISHAN (ISI MARKED)
51	BALL VALVES	ZOLOTO, IBP, ARCO
52	UNGLAZED VITRIFIED TILES	JHONSON (ENDURA), SOMANY (DURASTONE)
53	SPIDER FITTINGS	DORMA, HEFELE,KICH,HETTICK
54	MINERAL FIBRE FALSE CEILING	ARMSTRONG, ANUTONE
55	LIGHT WEIGHT CALCIUM SILICATE FALSE CEILING TILES	AEROLITE, HILUX
56	ACOUSTICAL PANELS	ARMSTRONG, ANUTONE
57	6MM THICK TOUGHENED HEAT REFLECTIVE GLASS	SAINT GOBAIN, ASAHI, MODIGUARD
58	GLASS REINFORCED CONCRETE	UNISTONE, ULTRA, GYPROC.
59	UPVC WINDOW, VENTILATION AND DOORS	FENESTA, REHAU, NCL-VEKA
60	MULTI LATERED POLYCARBONATE PANEL/ FAÇADE SYSTEM	GE PLASTICS, DANPLAN
61	STAINLESS STEEL HARDWARE FITTINGS	DORMA, GODREJ, KICH, HAFFLE, HETTICK
62	HUBLESS PIPES & FITTINGS	NECO, SKF, RPMF, (RAJ PATTERN MAKERS & FOUNDERS PVT LTD.)
63	FRP DOOR SHUTTER AND FRAME	SPC (SELECTED PRODUCTS CO.) JAIN DOORS PVT. LTD, JAYNA (JAIN WOOD INDUSTRIES)
64	SOLID PVC CUPBOARD SOLID KITCHEN CABINET AND SOLID PVC DOORS.	RAJSHREE, SINTEX
65	PVC DOORS & FRAMES	RAJSHREE, SINTEX
66	ISI MARKED FLUSHING CISTERNS	HIND WARE, JINDAL, CERA, PARRYWARE, PRAYAG
67	MANUFACTURER OF MS STEEL SECTION WINDOWS, MS TUBLER SECTION WINDOWS & MS PRESSED STEEL DOOR FRAMES	SAN HARVIC, AGUE JANGID ENGINEERING WORKS
68	PTMT BATHROOM FITTINGS	M/S PRAYAG POLYMERS (P) LTD, POLYTUF (R.S. INDUSTRIES) KINGSTON (PLASTOCRAFT SANITARY INDIA LTD.)
69	SUPER PLASTICIZER	PIDILITE, FOSROC, SIKA, CICO,
70	FRP SHUTTER	FIBER GLASS ENGINEERS, ASHOO
71	CURTAIN CARRIER	VISTA LEVLOR OR EQUIVALNET
72	DRAPERY ROD	VISTA LEVLOR OR EQUIVALNET
73	TUBLAR SECTION WINDOW	M/S CLASSIC ENGINEERS & FABRICATOR, RAIPUR, M/S MULWIN INDUSTRIAL CORPORATION, KOLKATA

74	HARDNER	HARDCRETE OF SNOWCEM INDIA,MC DERITOP, DR FIXIT
75	EPOXY PRIMER & PAINTS	BERGER, PIDILITE, ASIAN, NEROLAC
76	PRIMER	ASIAN, ICI, BERGER, NEROLAC
77	PVC RAIN WATER PIPE & FITTING	FINOLAX, CLASSIC OF KISAN, ASTRAL,SUPREME, PRINCE
78	BIO TOILET	SINTEX OR EQUIVALENT AS PER SPECIFICATION
79	ALL SANITARY FITTING PTMT	PRAYAG, PRINCE, KLASSIC, SUPREME, ASTRAL
80	PP-R PRPE & FITTING	SINTEX, FINOLEX, ASTRAL,
81	SYNTHETIC POLYMERIC RUBBER COMPUND	ARMSTRONG, SUPERLON, VIDOFLEX
82	TEXTURE EXTERIOR WALL	BERGER. NEROLAC, ASIAN, ICI-
83	OIL BOUND DISTEMPER	BERGER. NEROLAC, ASIAN, ICI-
84	VIRTUOSOS CHINA WASH BASIN	HINDWARE / PERRYWARE /CERA
85	VITREOUS CHINA PEDESTAL FOR	PEDSTAL OF PERRYWARE /
86	VITREOUS CHINA FLOOR MOUNTED EUROPEAN W.C. WITHOUT/WITH CISTERN/ VITREOUS CHINA WALL HUNG W.C. WITH VITREOUS CISTERN (COMPONENT)/ ORISSA PAN/ VITREOUS CHINA HALF STALL URINAL/ VITREOUS CHINA WASH BASIN	PERRYWARE / HINDWARE /CERA
87	LOW LEVEL PVC CISTERN SINGLE FLUSH	SLEEK MODEL CISTERN OF PVC OF HINDWARE OR SLIMLINE DELUXE MODEL OF PERRYWARE, CERA JINDAL.
88	DUAL FLUSH FLUSHING CISTERN	SLEEK DUAL FLUSH PVC CISTERN OF HINDWARE OR SLIMLINE DUAL OF PERRYWARE, CEAR

**(Signature of the Bidder, with
Official Seal)**

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Instructions for Online Bid Submission Instructions to the Bidders to submit the bids online through the Central Public Procurement Portal for e Procurement at <http://eprocure.gov.in/eprocure/app>.

1. Possession of valid Digital Signature Certificate (DSC) and enrollment/registration of the contractors/bidders on the e-procurement/e-tender portal is a prerequisite for e-tendering.
2. Bidder should do the enrollment in the e-Procurement site using the “Click here to Enroll” option available on the home page. Portal enrollment is generally free of charge. During enrollment/ registration, the bidders should provide the correct/true information including valid email_id. All the correspondence shall be made directly with the contractors/bidders through email_id provided.
3. Bidder need to login to the site through their user ID/ password chosen during enrollment/registration.
4. Then the Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by SIFY/TCS/n-Code/e-Mudra or any Certifying Authority recognized by CCA India on e- Token/Smartcard, should be registered.
5. The DSC that is registered only should be used by the bidder and should ensure safety of the same.
6. Contractor/Bidder may go through the tenders published on the site and download the required tender documents/schedules for the tenders he/she is interested.
7. After downloading / getting the tender document/schedules, the Bidder should go through them carefully and then submit the documents as asked, otherwise bid will be rejected.
8. If there are any clarifications, this may be obtained online through the tender site, or through the contact details. Bidder should take into account the corrigendum published before submitting the bids online.
9. Bidder then logs in to the site through the secured log in by giving the user id/ password chosen during enrolment/registration and then by giving the password of the e-Token/Smartcard to access DSC.
10. Bidder selects the tender which he/she is interested in by using the search option & then moves it to the ‘my tenders’ folder.

11. From my tender folder, he selects the tender to view all the details indicated.
12. It is construed that the bidder has read all the terms and conditions before submitting their offer. Bidder should go through the tender schedules carefully and upload the documents as asked; otherwise, their bid will be rejected.
13. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document/schedule and generally, they can be in PDF/xls/rar/zip/dwf formats. If there is more than one document, they can be clubbed together and can be provided in the requested format. Each document to be uploaded through online for the tenders should be less than 2 MB. If any document is more than 2MB, it can be reduced through zip/rar and the same can be uploaded, if permitted. Bidders Bid documents may be scanned with 100 dpi with black and white option. However if the file size is less than 1 MB the transaction uploading time will be very fast.
14. If there are any clarifications, this may be obtained through the site, or during the pre-bid meeting if any. Bidder should take into account the corrigendum published from time to time before submitting the online bids.
15. The Bidders can update well in advance, the documents such as certificates, annual report details etc., under My Space option and these can be selected as per tender requirements and then send along with bid documents during bid submission. This will facilitate the bid submission process faster by reducing upload time of bids.
16. Bidder should submit the specified in the tender. The original should be posted/couriered/given in person to the Tender Inviting Authority, within the bid submission due date & time for the tender. Scanned copy of the instrument should be uploaded as part of the offer.
17. While submitting the bids online, the bidder reads the terms & conditions and accepts the same to proceed further to submit the bid packets.
18. The bidder has to select the payment option as offline to pay the Tender Fee/ EMD as applicable and enter details of the instruments.
19. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise submitted bid will not be acceptable.
20. The bidder has to digitally sign and upload the required bid documents one by one as indicated. Bidders to note that the very act of using DSC for downloading the bids and uploading their offers shall be deemed to be a confirmation that they have read all sections and pages of the bid document including General conditions of contract without any exception and have understood the entire document and are clear about the requirements of the tender requirements.
21. The bidder has to upload the relevant files required as indicated in the cover content. In case of any irrelevant files, the bid will be rejected.
22. If the price bid format is provided in a spread sheet file like BoQ_xxxx.xls, the rates offered should be entered in the allotted space only and uploaded after filling the relevant columns. The Price Bid/BOQ template must not be modified/replaced by the bidder, else the bid submitted is liable to be rejected for this tender.
23. He bidders are requested to submit the bids through online e-tendering system to the Tender Inviting Authority(TIA) well before the bid submission end date & time (as per Server System Clock). The TIA will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders at the eleventh hour.
24. After the bid submission (ie after Clicking "Freeze Bid Submission" in the portal), the acknowledgement number, given by the system should be printed by the bidder and kept as a record of evidence for online submission of bid for the particular tender and will also act as an entry pass to participate in the bid opening date.
25. The time settings fixed in the server side & displayed at the top of the tender site, will be valid for all actions of requesting, bid submission, bid opening etc., in the e-tender system. The bidders should follow this time during bid submission.

26. All the data being entered by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered will not be viewable by unauthorized persons during bid submission & not be viewable by any one until the time of bid opening.
27. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/ bid Opener's public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
28. The confidentiality of the bids is maintained since the secured Socket Layer 128 bit encryption technology is used. Data storage encryption of sensitive fields is done.
29. The bidder should logout of the tendering system using the normal logout option available at the top right hand corner and not by selecting the (X) exit option in the browser.
30. For any queries regarding e-tendering process, the bidders are requested to contact as provided in the tender document. Parallely for any further queries, the bidders are asked to contact over phone: 1800-3070-2232 or send a mail over to – cppp-doe@nic.in, cppp-nic@nic.in.

ApprovedDate#
DEVESHWARA NAND BHATT
DIG(ENG)-WORK-DG
OFFICE OF DIG(ENGG)-DTE
For and on behalf of the President of India

Signature of the tenderer with seal