GOVERNMENT OF INDIA, MINISTRY OF HOME AFFAIRS
CENTRAL RESERVE POLICE FORCE
O/O THE SPL. DIRECTOR GENERAL, SOUTH ZONE HQR

P.O:KESHOGIRI, HYDERABAD, TELANGANA PIN-500005
Control Room **+91 4024443324**

Web.Site :www.crpf.nic.in
/http://eprocure.gov.in/eprocure/app(cppp)

Tender Enquiry No. B.V-4/2026-27-SZ-Works (GC AVD) Minor Work T/02819-10-2026

NOTICE INVITING E-TENDER

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The Commandant (Engineer), South Zone HQr, CRPF, Hyderabad (Telangana) for and on behalf of the President of India invites online tenders from Registered Contractors of '**CPWD /MES/NBCC/BRO/Other Central Govt. Departments/State PWD' or Equivalent** applicable for the region' in appropriate class as per the amount of Tender under Two Bid system (Technical and Financial Bid) on the prescribed form as per the details given below:-

Sl. No.	Name of Work	Place of Work	Amount of NIT	Amount of EMD (Mandatory)	Date & Time of opening of tender
I	II	III	IV	V	VI
1	**Comprehensive, maintenance and pathway repairing and painting of 1900 KLD sewage treatment plant (STP) at GC CRPF Avadi.**	**GC CRPF Avadi Chennai -600065**	**Rs. 21,04,604/-**	**Rs. 42,100/- *(No exemption of EMD)**	**As per CPP Portal.**

Note :-

i. All relevant details are available on CRPF website https://crpf.gov.in/index-hi.htm **as well as on E-Procurement web site https://eprocure.gov.in/eprocure/app (CPP Portal**). The same may be downloaded by the bidders.
ii. Tenderers are requested to watch the CRPF/CPPP website regularly for any change in tender enquiry/technical specification/ terms & condition.
iii. Date & Time of availability of tender as per CPP Portal.

Yours Sincerely

19-10-2026
VAIBHAV SRIVASTAVA
CO-ENG-SZHYD
[For and on behalf of the President of India]

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Tender Enquiry No. B.V-4/2026-27-SZ-Works (GC AVD) Minor Work T/028 19-10-2026

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Subject: - ***Invitation of e-Tender.***

Dear Sir,

On behalf of the President of India, I invite you to tender online bids for **Comprehensive, maintenance and pathway repairing and painting of 1900 KLD sewage treatment plant (STP) at GC CRPF Avadi .**

2. If you are in a position to quote rate for **Comprehensive, maintenance and pathway repairing and painting of 1900 KLD sewage treatment plant (STP) at GC CRPF Avadi** in accordance with the requirements stated in the attached schedule to tender, all documents attached herewith should be fully filled in, signed and sealed by the respective firm and submitted through e-Procurement site https://eprocure.gov.in/eprocure/app failing which your tender will be liable to be ignored, and will not be considered.

3. This tender is not transferable.

Thanking you.

Yours Sincerely

19-10-2026
VAIBHAV SRIVASTAVA
CO-ENG-SZHYD
[For and on behalf of the President of India]

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SCHEDULE OF TENDER

e-Tender Enquiry No.	No. B.V-4/2026-27-SZ-Works (GC AVD) Minor Work T/028
Name of work	**Comprehensive, maintenance and pathway repairing and painting of 1900 KLD sewage treatment plant (STP) at GC CRPF Avadi .**
Place of work	**GC CRPF Avadi Chennai -600065.**
Work schedule/Schedule of Quantity	Details as per **Annexure-'I & J '** of the Tender enquiry
Amount of NIT/Estimated Cost	**Rs. 21,04,604/-**only
E.M.D. (In INR) @2% Fixed	**Rs. 42,100/-** only *[**Note**: - EMD, in favor of **The DIGP, GC, CRPF, Avadi, Payable at- SBI, HVF, Avadi (Code No. 4675)** and should be valid at least for **90 days** from the date of opening of tender. If thereafter validity of the E.M.D. requires extension, the participated firm will be bound to extend the validity suitably. There is no exemption in EMD and it should be furnished by the bidder mandatorily. If the bidder fails to submit the EMD as specified then his tender will be liable to be rejected summarily]*
Date & Time of Publishing of Tender	**As per CPP portal.**
Start date & time of submission online / offline documents	**As per CPP portal.**
Last date & time of submission online/offline documents	**As per CPP portal**
Date & time of opening of tender	**As per CPP portal.**
Validity of offer	The tender shall remain open for acceptance till **90 days** from the date of opening of bid and the accepted rates shall remain valid during the period of execution including the extended period, if any.
Time allowed for completion of work	**Time allowed for completion of the work is 365 days.** The date of commencement of the work shall be reckoned from the date of issue of the Work Order plus 07 days.

02. Tenderers are advised to go through the **Earnest Money Deposit (EMD)** and **Two Bid system clause** of this Tender Enquiry before filling the tender. 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.

03. All relevant details, including specification, terms & condition etc are available on **E-Procurement web site** https://eprocure.gov.in/eprocure/app **(CPPP**). The same may be downloaded by the bidders. Details can also be seen at CRPF website http://crpf.nic.in/tender_notices.htm. For any changes in Tender Enquiry/specifications etc, tenders are requested to visit CRPF/CPPP web sites regularly.

04. Scanned copies of all tender documents, duly signed and stamped by the bidder, shall be uploaded online through the CPP Portal on or before the prescribed date and time.
The original EMD shall be deposited physically in a sealed envelope in the Tender Box kept at the Control Room, South Zone Hqr, CRPF, Hyderabad, Telangana – 500005. [In such cases, submission of Annexure-V/EMD Receipt shall not be required]

OR

The original EMD may be deposited with the Estate Officer having jurisdiction over the

place of execution of the work. If both the above options are inconvenient for the bidder, the original EMD may be deposited with any other Estate Officer of CRPF convenient to the bidder, in accordance with Directorate General, CRPF letter No. M.V-1/2026-27-WksDte-C/Cell (Genl Corresp.), dated 09.10.2026. In such cases, the bidder shall submit the original EMD along with the duly completed Annexure-V to the receiving authority.

The receiving Estate Officer/authorised Gazetted Officer shall issue a duly completed receipt in the prescribed format under Annexure-V. The bidder shall upload scanned copies of the original EMD and the receipt, duly bearing the requisite signature and seal, along with the Technical Bid documents. The EMD shall thereafter be verified by the tender-inviting authority/Competent Engineer Authority (CEA), as applicable. The Tender Acceptance Letter (Appendix–'C'), duly filled in and signed by the bidder, shall be uploaded online. Physical submission of the said letter shall not be insisted upon.

The scanned copies of the original EMD, the EMD receipt issued under Annexure-V, and the Tender Acceptance Letter (Appendix–'C') are mandatory documents for technical evaluation.

Failure to upload any of these documents on the CPP Portal within the stipulated date and time shall render the bid liable to rejection as non-responsive, in accordance with the NIT. It shall be the sole responsibility of the bidder to ensure that all the aforesaid documents are duly completed signed wherever required, and uploaded successfully within the prescribed period. No representation on account of failure to upload the scanned copies of the original EMD, the EMD receipt issued under Annexure-V, and the Tender Acceptance Letter on the CPP Portal shall be entertained. The decision of the Tendering Authority shall be final and binding on the bidder, in accordance with the provisions of the NIT.

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05. The tenderer may survey the site and decide the quantum materials: It is important that each page of the tender acceptance letter which is written undertaking that all the terms and condition of the tender are understood and accepted should be signed and submitted online through e-procurement site https://eprocure.gov.in/eprocure/app.

Yours Sincerely

19-10-2026
VAIBHAV SRIVASTAVA
CO-ENG-SZHYD
[For and on behalf of the President of India]

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 SOUTH ZONE HQR CRPF HYDERABAD (TELANGANA) PIN - 500005.** However date of opening of financial bids will be intimated to the eligible Bidders only after technical bid evaluation.

02. Bidders shall submit their bids online through the CPP Portal (e-Procurement System), duly completed in all respects and in accordance with the prescribed procedure and the terms and conditions of the Notice Inviting Tender (NIT).

The original EMD shall be deposited physically in a sealed envelope in the Tender Box kept at the Control Room, South Zone Hqr, CRPF, Hyderabad, Telangana – 500005. [In such cases, submission of Annexure-V/EMD Receipt shall not be required]

OR

The original EMD may be deposited with the Estate Officer having jurisdiction over the place of execution of the work. If both the above options are inconvenient for the

bidder, the original EMD may be deposited with any other Estate Officer of CRPF convenient to the bidder, in accordance with Directorate General, CRPF letter No. M.V-1/2026-27-WksDte-C/Cell (Genl Corresp.), dated 09.10.2026.
The bidder shall submit the original EMD along with Annexure-V to the receiving authority, which shall issue a duly completed receipt in the prescribed format. Scanned copies of the original EMD and the receipt, duly bearing the requisite signature and seal, shall be uploaded with the Technical Bid documents. The Tender Acceptance Letter (Appendix–'C'), duly filled in and signed, shall also be uploaded online. Physical submission of the said letter shall not be insisted upon.
The scanned copies of the original EMD, the EMD receipt issued under Annexure-V, and the Tender Acceptance Letter (Appendix–'C') are mandatory documents for technical evaluation. Failure to upload any of these documents within the stipulated date and time shall render the bid liable to rejection as non-responsive, in accordance with the NIT. The bidder shall be solely responsible for ensuring that all mandatory documents are duly completed, signed wherever required, and uploaded successfully within the prescribed period. No representation on account of failure to upload the scanned copies of the original EMD, the EMD receipt issued under Annexure-V, and the Tender Acceptance Letter on the CPP Portal shall be entertained. The decision of the Tendering Authority shall be final and binding on the bidder, in accordance with the provisions of the NIT.
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..

2. 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-'C'** 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.
3. **Name** and **status** of the person signing the tender documents should clearly be mentioned in the tender documents.
4. 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. At the second stage, financial bids of technical qualified firms will be opened for further evaluation and ranking before awarding the contract. Award of contract will be awarded overall **L-1 firm.**
5. 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 interalia, 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 coengszhyd@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.
6. The works required to 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.
7. Intending 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.

8. 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.
9. The Contractor shall comply with the orders issued by the **Commandant Engineer South Zone HQr CRPF at HYDERABAD (TELANGANA**) from time to time during the contractual period. If he fails to do so, his failure will be a breach of contract and the **Commandant (Engineer), South Zone, CRPF** 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.
10. 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.
11. The rates quoted by the Contractor should be **inclusive** of all taxes.
12. Intending bidders are advised to 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.
13. 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.
14. 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.
15. 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.
16. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assigning of any reason. 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.
17. 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.

18. 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.
19. 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.
20. 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.
21. 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.
22. 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.
23. 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.

Yours Sincerely

19-10-2026
VAIBHAV SRIVASTAVA
CO-ENG-SZHYD
[For and on behalf of the President of India]

[_____]
Signature of Bidder
(with seal)

GENERAL CONDITIONS OF THE CONTRACT

1	**Terms of price**	1.1 **Price should be quoted only as per price bid format/B.O.Q provided along with tender documents at e-procurement site http://eprocure.gov.in/eprocure/app.** The price bid in B.O.Q format/template should not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for the tender. Bidders are allowed to enter the bidder name and values only. **No price bid is required to be submitted with offline bid documents under technical bid.** **1.2 The lowest bidder will be decided on overall rate of entire work.** Rates quoted by the bidder must be inclusive of all applicable taxes and other charges. 1.3 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 only on production of receipt of the concerned department, at the time of claim of bill. It is required to produce documentary evidences to the concerned authority, violation of which even can end with termination of contract.
2	**Payment terms**	2.1 Works/Services category wise as per schedule to tender are to be provided as RA/Final Bill produced by the contractor and verified by competent authority of the department will be provided on **credit basis** and **E.C.S payment will only be made through PAO/RPAO** for further drawl action after satisfactorily completion of work as per specification, on production of bill in triplicate, bank mandate form, cancelled cheque. No interest will be payable on delayed payment, if any. 2.2 Income Tax, GST-TDS, Labor Cess, Water Charges and other taxes as applicable will be deducted from the bill of contractor by CRPF/PAO/RPAO as per norms. 2.3 While making payment TDS under section 194 (C) of I/Tax Rule 1961 and CGST & SGST Act'2017 if any applicable will be deducted from the bill amount before release of payment. 2.4 No **payment will be made for the contract till producing registration and payment for labours in EPFO & ESIC. Only if claimed by the contractor (whenever applicable).** 2.5 Payment cannot be made in advance or immediately. 2.6 Any discrepancy in settlement of bills may be brought to the notice of User/CLIENT within a period of one month after the settlement of the Bills. User/CLIENT will not entertain any claim regarding any dispute in settlement of the bills after stipulated time. 2.7 RA Bill – Contractor is free to claim RA Bill as pert for the work executed. However, the frequency of RA Bill will not be less than 15 days for Major work and 30 days for Minor work.
3	**Tender fees**	3.1 **Rs. 00.00 (Nil)**
4	**Earnest Money Deposit**	4.1 All the contractors are required to deposit **Earnest Money/Bid Security** Deposit (E.M.D.) as specified in invitation/schedule to tender along with their bid if applicable failing which their offers will be summarily rejected. **4.2 The original EMD shall be deposited physically in a sealed envelope in the Tender Box kept at the Control Room, South Zone Hqr, CRPF, Hyderabad, Telangana – 500005.** [In such cases, submission of Annexure-V/EMD Receipt shall not be required] **OR** **The original EMD may be deposited with the Estate Officer having jurisdiction over the place of execution of the work. If both the above options are inconvenient for the bidder, the original EMD may be deposited with any other Estate Officer of CRPF convenient to the bidder, in accordance with Directorate General, CRPF letter No. M.V-1/2026-27-WksDte-C/Cell (Genl Corresp.), dated 09.10.2026**. The bidder shall submit the original EMD along with Annexure-V to the receiving authority. The receiving Estate Officer/authorised Gazetted Officer shall issue a duly completed receipt in the prescribed format under Annexure-V. Scanned copies of the original EMD and the receipt, duly bearing the requisite signature and seal, shall be uploaded with the Technical Bid documents. **The scanned copies of the original EMD, the EMD receipt issued under Annexure-V, and the Tender Acceptance Letter (Appendix-'C') are mandatory documents for technical evaluation. Failure to upload any of these documents within the stipulated date and time shall render the bid liable to rejection as non-responsive, in accordance with the NIT. The bidder shall be solely responsible for ensuring that all mandatory documents are duly completed, signed wherever required, and uploaded successfully within the prescribed period. No representation on account of failure to upload the scanned copies of the original EMD, the EMD receipt**

		issued under Annexure-V, and the Tender Acceptance Letter on the CPP Portal shall be entertained. The decision of the Tendering Authority shall be final and binding on the bidder, in accordance with the provisions of the NIT. The EMD shall be deposited in any of the alternative forms permitted under the tender conditions.: a. Crossed bank draft/banker cheque drawn in favour of ***The DIGP, GC, CRPF, Avadi, Payable at- SBI, HVF, Avadi (Code No. 4675)***. **Personal Cheque will not be entertained and will result in rejection of bid**. b. Fixed deposit receipt drawn in favour of ***The DIGP, GC, CRPF, Avadi, Payable at- SBI, HVF, Avadi (Code No. 4675).*** c. An irrecoverable bank guarantee of any nationalized/ scheduled bank or reputed commercial bank in the attached format as **Appendix- 'B'**. 4.3 The **E.M.D.** money shall remain valid for a period of **90 days** from the date of tender opening and be deposited to the department. If the validity of the tender is extended, the validity of the BG/or any other alternate documents submitted in lieu of **E.M.D.** will also be suitably extended by the Bidder, failing which their tender after the expiry of the aforesaid period shall not be considered by the purchaser. 4.4 **No interest** shall be payable on the earnest money deposited by the Bidder. 4.5 The **E.M.D.** is liable to be forfeited if the Bidder withdraws or amends/impairs or derogates from the tender in any respect within the period of validity of his tender. 4.6 The **E.M.D.** of the successful Bidder shall be returned after depositing of **Performance Guarantee (P.G.)**. 4.7 E.M.D. of all the unsuccessful bidders will be returned at the earliest after finalization of L-1 / opening of the financial bid or expiry of bid validity, whichever is earlier, but not later than 30 days after award of work. Bidders are advised to send a pre receipt challan along with their bids so that refund of earnest money can be done in time. 4.8 Any tender, where the Bidder is required to deposit **E.M.D.** in terms of conditions mentioned in preceding paras, not accompanied with **E.M.D.** in any one of the approved forms acceptable to the competent authority, shall be summarily rejected. (**As per GOI O/O AS & DC, MSME vide OM F.NO. 21(8)/2011-MA dated 09/11/2016 and also by CPWD vide OM NO. DG/MAN/Misc./12 dated 25/07/2017, there is No exemption of EMD for work contracts).**
5	**Performance Guarantee**	5.1 The successful contractor shall deposit a **Performance Guarantee (P.G.)** equivalent to 5% (Five Percent) of the tendered value or the Estimated Cost Put to Tender (ECPT), whichever is higher, within **28 (Twenty-Eight) days** from the date of issue of the Letter of Acceptance. Failure on the part of the contractor to deposit the Performance Guarantee within the stipulated period shall empower the competent authority to cancel the contract. 5.2 The Performance Guarantee submitted by the supplier shall remain valid at least for **60 Days beyond the date of completion** of all contractual obligations of the contractor including warranty obligations. 5.3 The Performance Guarantee shall be as per Schedule 'E', i.e.: a) 5% (Five Percent) of the tendered value or the Estimated Cost Put to Tender (ECPT), whichever is higher. b) In case the tendered amount is less than 80% of ECPT, the Performance Guarantee shall be increased by an amount equal to the difference between 80% of ECPT and the tendered amount, in addition to (a) above. 5.4 The Performance Guarantee shall remain valid for the entire period of execution and all contractual obligations including defect liability/warranty period plus 60 days thereafter. The contractor shall ensure extension of validity, wherever required.

		5.5 The Performance Guarantee shall be deposited to ***The DIGP, GC, CRPF, Avadi*** in any of the following alternative forms :- a. Fixed deposit receipt drawn in favour of ***The DIGP, GC, CRPF, Avadi, Payable at- SBI, HVF, Avadi (Code No. 4675)*** An irrecoverable bank guarantee of any nationalized/ scheduled bank or reputed commercial bank in the attached format as at **Appendix-'B'** 5.6 In case the contractor fails to submit the Performance Guarantee within the stipulated period (including any extension allowed as per contract), the Earnest Money Deposit (EMD) shall be forfeited automatically without notice. 5.7 In case of delay in execution and request for extension of time, the contractor shall submit an undertaking on non-judicial stamp paper (Rs. 10/-), duly attested by Notary Public, confirming that the Performance Guarantee has been extended as required under the contract. 5.8 If an FDR is submitted as Performance Guarantee and the issuing bank fails to honour it, the loss shall be borne by the contractor, who shall immediately furnish additional security to make good the deficit. 5.9 The Performance Guarantee shall be liable to be forfeited wholly or partly in case of non-performance, unsatisfactory execution, or failure to fulfil contractual obligations. 5.10 The Performance Guarantee shall be released only after successful completion of all contractual obligations, including defect liability/warranty period.
6.	**Recovery of Security Deposit/ Retention Money**	6.1 The person/persons whose tender(s) may be accepted (hereinafter called the contractor), shall permit Government at the time of making any payment to him for work done under the contract to deduct a sum at the rate of **2.5%** of the gross amount of each running bill (periodic/interim payment) and final bill till the sum deducted will amount to **2.5%** of the tendered value of the work as**Security Deposit/Retention Money** in addition to Performance Security. The earnest money instead of being released may form part of the security deposit. 6.2 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. 6.3 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. 6.4 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.
7.	**System of bidding**	7.1 All bidders are required to submit their offer in two bid system i.e. **Technical Bid** and **Financial Bid** separately. 7.2 The bid documents required to be submitted with the Technical Bid shall be uploaded online through the CPP Portal at https://eprocure.gov.in/eprocure/app, as per the details and requirements specified below. **The original EMD shall be deposited physically in a sealed envelope in the Tender Box kept at the Control Room, South Zone Hqr, CRPF, Hyderabad, Telangana – 500005.** [In such cases, submission of Annexure-V/EMD Receipt shall not be required] **OR**

		The original EMD may be deposited with the Estate Officer having jurisdiction over the place of execution of the work. If both the above options are inconvenient for the bidder, the original EMD may be deposited with any other Estate Officer of CRPF convenient to the bidder, in accordance with Directorate General, CRPF letter No. M.V-1/2026-27-WksDte-C/Cell (Genl Corresp.), dated 09.10.2026. In such cases, the bidder shall submit the original EMD along with the duly completed Annexure-V to the receiving authority. The receiving Estate Officer/authorised Gazetted Officer shall issue a duly completed receipt in the prescribed format under Annexure-V. Scanned copies of the original EMD and the receipt, duly bearing the requisite signature and seal, shall be uploaded with the Technical Bid documents. The Tender Acceptance Letter (Appendix–'C'), duly filled in and signed by the bidder, shall be uploaded online. Physical submission of the said letter shall not be insisted upon. The scanned copies of the original EMD, the EMD receipt issued under Annexure-V, and the Tender Acceptance Letter (Appendix–'C') are mandatory documents for technical evaluation. **Failure to upload any of these documents within the stipulated date and time shall render the bid liable to rejection as non-responsive, in accordance with the NIT. The bidder shall be solely responsible for ensuring that all mandatory documents are duly completed, signed wherever required, and uploaded successfully within the prescribed period. No representation on account of failure to upload the scanned copies of the original EMD, the EMD receipt issued under Annexure-V, and the Tender Acceptance Letter on the CPP Portal shall be entertained. The decision of the Tendering Authority shall be final and binding on the bidder, in accordance with the provisions of the NIT**. The documents required to be uploaded online are detailed below. 7.3 The composite bid i.e. rate indicating in the Technical Bid "OPENLY" shall be ignored and bid will be **rejected** summarily. 7 . 4 Price should be quoted only as per Price Bid (Financial Bid) format/**B.O.Q.** provided along with tender documents at e-procurement site http://eprocure.gov.in/eprocure/app. No price bid is required to be submitted with offline bid documents under technical bid.
8.	**Method of submission of bid.**	**First Cover (Technical bid) :-** 8.1 The Technical Bid shall be accepted only online through the CPP Portal (e-Procurement System). **The original EMD shall be deposited physically in a sealed envelope in the Tender Box kept at the Control Room, South Zone Hqr, CRPF, Hyderabad, Telangana – 500005. [In such cases, submission of Annexure-V/EMD Receipt shall not be required]** **OR** **The original EMD may be deposited with the Estate Officer having jurisdiction over the place of execution of the work. If both the above options are inconvenient for the bidder, the original EMD may be deposited with any other Estate Officer of CRPF convenient to the bidder, in accordance with Directorate General, CRPF letter No. M.V-1/2026-27-WksDte-C/Cell (Genl Corresp.), dated 09.10.2026.** The bidder shall submit the original EMD along with Annexure-V to the receiving authority, which shall issue a duly completed receipt in the prescribed format. Scanned copies of the original EMD and the receipt, duly bearing the requisite signature and seal, shall be uploaded with the Technical Bid documents. The Tender Acceptance Letter (Appendix–'C'), duly filled in and signed by the bidder, shall be uploaded online. Physical submission of the said letter shall not be insisted upon. The original EMD shall be verified by the tender-inviting authority/CEA from the concerned receiving authority. The scanned copies of the original EMD, the EMD receipt issued under Annexure-V, and the Tender Acceptance Letter (Appendix–'C') are mandatory documents for technical evaluation. **Failure to upload any of these documents within the stipulated date and time shall render the bid liable to rejection as non-responsive, in accordance with the NIT. The bidder shall be solely responsible for**

ensuring that all mandatory documents are duly completed, signed wherever required, and uploaded successfully within the prescribed period. No representation on account of failure to upload the scanned copies of the original EMD, the EMD receipt issued under Annexure-V, and the Tender Acceptance Letter on the CPP Portal shall be entertained. The decision of the Tendering Authority shall be final and binding on the bidder, in accordance with the provisions of the NIT.

8.2 Details of documents required to be furnished/submitted by all the bidders in technical bid for participating in the bidding process are as under :-

(a) *Documents (Legible scanned copy, duly signed) required to be submitted* ***online*** *in CPPP under Technical Bid :-*

1.	All pages of the tender documents duly completed & signed in all respect by the authorized signatory of the firm/contractor under the **seal**.
2.	Original **E M D shall be deposited physically in a sealed envelope in the Tender Box kept at the Control Room, South Zone Hqr, CRPF, Hyderabad, Telangana – 500005.** [In such cases, submission of Annexure-V/EMD Receipt shall not be required] **Or** **The scanned copy of the EMD and EMD receipt, issued by the Estate Officer/authorised Gazetted Officer in the prescribed format under Annexure–V, shall be uploaded on the CPP Portal where the original EMD has been deposited at an office of CRPF other than the Control Room, South Zone Hqr, CRPF, Hyderabad, Telangana – 500005.**
3.	**Enlisted/Registered Contractors** : a. Copy of valid registration letter of the firm as a registered **"Contractor"** with **'CPWD/MES/NBCC/BRO/Other Central Govt. Departments/ State PWD or Equivalent** of applicable for the region where the work is to be executed in **respective categories of Building nature of work and class as per the tender amount.** [Note :- The enlistment of the contractors should be valid on the last date of submission of tenders. In case only the last date of opening of tender is extended, the enlistment of contractor should be valid on the original date of opening of tenders. A copy of Registration Certificate as a **"Contractor"** issued by competent authority of '**CPWD/MES/NBCC/BRO/ Other Central Govt. Departments/ State PWD 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.] b. Basic information of the bidder/firm/contractor (As per Appendix – 'F' of the Tender documents.) c. Copy of valid **PAN** card. d. Copy of Registration certificate of **GST**. e. Bank Remittance Particulars (viz copy of Bank Passbook/ Cancelled Cheque etc.). f. Copy of registration certificate of **EPF and ESIC.** g. **Complete Postal address** of contractor/Firm along with copy of valid I/Card viz Voter I/D Card, Aadhar Card etc.
4.	

4.	**Un-Enlisted/Un-Registered Contractors** : a. Basic information of the bidder/firm/contractor (As per Appendix – 'F' of the Tender documents.) b. Copy of valid **PAN** card. c. Copy of Registration certificate of **GST**. d. Bank Remittance Particulars (viz copy of Bank Passbook/ Cancelled Cheque etc.). e. Copy of registration certificate of **EPF and ESIC.** f. **Complete Postal address** of contractor/Firm along with copy of valid I/Card viz Voter I/D Card, Aadhar Card etc g. **Audited balance sheets/ P&L account and Income Tax return Certificate** for the last 3 financial years duly certified by the CA (i.e F/Y **2022-23, 2023-24, 2024-25**). h. **Charted Accountant certified Annual Turnovers** for the Financial Year of **2022-23, 2023-24, 2024-25.** [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].* i. **Banker's Certificate/ Solvency certificate** from the authorized bank in India (The contractor 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].*
5.	The bidder shall submit a scanned copy of an affidavit, duly signed, confirming that the bidder is not currently involved in any litigation, arbitration, blacklisting, or debarment. The affidavit must not be older than one month from the last date of bid submission and shall be uploaded online as part of the bid documents.
6.	6.1 The bidder must submit a duly signed Intent of Memorandum of Understanding (MoU) in the format prescribed at Annexure-III with the Original Equipment Manufacturer (OEM) for waterproofing and painting work. The OEM must be one of the following reputed brands as per LIST OF APPROVED MANUFACTURERS AND MAKES. The Intent of MoU must clearly indicate the OEM's commitment to support the bidder in terms of product supply, technical guidance, and quality assurance for the duration of the contract. This condition shall be applicable only where painting and waterproofing works are included in the contract. 6.2 In case the bidder quotes rates 20% or more above the estimated rates for the items covered under the MoU, the bid shall be liable for disqualification. This condition shall not be applicable for percentage rate tenders.
7.	The bidder shall upload a scanned copy of a valid Electrical Contractor's Licence issued by any State Electrical Licensing Board/Authority, valid as on the last date of bid submission. In case the bidder does not possess such a licence in its own name, an undertaking shall be submitted in the form of registered affidavit not more than 30 days old from the last date of bid submission stating that the electrical work shall be executed through a duly licensed Electrical Contractor. The valid licence of such contractor shall be furnished before commencement of the electrical work. This condition shall apply only where electrical work is included in the scope of the contract.
8.	**Past Performance/Experience** for similar nature of works related to Operation & Maintenance (O&M) of Sewage Treatment Plants (STPs) for

	Central / State Govt during the last **07 Financial Years** (Copies of Completion Certificates mentioning **amount and date of Completion of Work**) in the following order :- **One** similar completed work each costing not less than the amount equal to **80%** of the estimated cost put to tender. **Or** **Two** similar completed works each costing not less than the amount equal to **60%** of the estimated cost put to tender. **Or** **Three** similar completed works each costing not less than the amount equal to **40%** of the estimated cost put to tender.
9.	Any other relevant documents which the firms wish to submit as a part of offer.

b) The original EMD shall be deposited physically in a sealed envelope in the Tender Box kept at the Control Room, South Zone Hqr, CRPF, Hyderabad, Telangana – 500005. [In such cases, submission of Annexure-V/EMD Receipt shall not be required]

OR

The original EMD may be deposited with the Estate Officer having jurisdiction over the place of execution of the work. If both the above options are inconvenient for the bidder, the original EMD may be deposited with any other Estate Officer of CRPF convenient to the bidder, in accordance with Directorate General, CRPF letter No. M.V-1/2026-27-WksDte-C/Cell (Genl Corresp.), dated 09.10.2026.

The bidder shall submit the original EMD along with Annexure-V to the receiving authority, which shall issue a duly completed receipt in the prescribed format. Scanned copies of the original EMD and the receipt, duly bearing the requisite signature and seal, shall be uploaded with the Technical Bid documents.

The Tender Acceptance Letter (Appendix–'C'), duly filled in and signed by the bidder, shall be uploaded online. Physical submission of the said letter shall not be insisted upon. The original EMD shall be verified by the tender-inviting authority/CEA from the concerned receiving authority.

1.	Original **E M D shall be deposited physically in a sealed envelope in the Tender Box kept at the Control Room, South Zone Hqr, CRPF, Hyderabad, Telangana – 500005.** [In such cases, submission of Annexure-V/EMD Receipt shall not be required] **Or** **The scanned copy of the EMD and EMD receipt, issued by the Estate Officer/authorised Gazetted Officer in the prescribed format under Annexure–V, shall be uploaded on the CPP Portal where the original EMD has been deposited at an office of CRPF other than the Control Room, South Zone Hqr, CRPF, Hyderabad, Telangana – 500005.**
2.	**Tender Acceptance Letter: -** The firm shall mandatorily submit the Tender Acceptance Letter, as per Appendix–'C', on the firm's/contractor's letterhead, duly signed in ink by the authorized signatory. The document must be clearly legible, and a scanned copy of the duly signed letter shall be uploaded online along with the bid.

Note: - The scanned copies of the original EMD, the EMD receipt issued under Annexure-V, and the Tender Acceptance Letter (Appendix–'C') are mandatory documents for technical evaluation. Failure to upload any of these documents within the stipulated date and time shall render the bid liable to rejection as non-responsive, in accordance with the NIT. The bidder shall be solely responsible for ensuring that all mandatory documents are duly completed, signed wherever required, and uploaded successfully within the prescribed period. No representation on account of failure to upload the scanned copies of the original EMD, the EMD receipt issued under Annexure-V, and the Tender Acceptance Letter on the CPP Portal shall be entertained. The decision of the Tendering Authority shall be final and binding on the bidder, in accordance with the provisions of the NIT.

8.3 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. **8.4 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 tendering authority i.e. Accepting Officer within 72 hours after Technical Evaluation is published on CPPP in writing physically or through email. The decision on the same by accepting officer will be final and binding. The bidder shall have no right of remedy hereafter.**
		Second Cover (Financial/Price Bid) :- 8.5 Details of documents required to be furnished/submitted by all the bidders in **Financial Bid** for participating in the bidding process are as under :- i. Details of rates, taxes, duties and discounts, if any, be quoted by the bidder in the **BOQ** which is an MS Excel Sheet and should be downloaded from the e-procurement site http https://eprocure.gov.in/eprocure/app. ii. Rates must be clearly written in **figures** as well as in **words**. iii. Name of bidder must be written in the appropriate filed of BOQ by each bidder. iv. The Financial Bid will only be accepted through online in BOQ format and **offline price bid will not be accepted.** 8.6 Prices 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. 8.7 Quoted rates should be workable, reasonable and should include incidental and all overheads and profits.
9	**Labour Laws to be complied by the Contractor**	9.1 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. 9.2 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. 9.3 The contractor shall also comply with provisions of the Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979. 9.4 The contractor shall also abide by the provisions of the Child Labour and Adolescent Labour (Prohibition and Regulation) Act, 1986. 9.5 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 fulfill these requirements shall attract the penal provisions of this contract arising out of the resultant non-execution of the work. **9.6 No Running Account Bill shall be paid to the contractor unless and until the contractor submits the applicable Labour License, registration with EPFO, ESIC and BOCW Welfare Board, wherever applicable, to the Engineer-in-Charge.**
10	**Time and Extension for Delay**	The time allowed for execution of the Works as specified in the Schedule 'F' or the extended time in accordance with these conditions shall be the essence of the Contract. The execution of the work shall commence from such time period or from the date of handing over of the site, notified by the Engineer-in-Charge, whichever is later. If the Contractor commits default in commencing the execution of the work as aforesaid, the performance guarantee shall be forfeited by the Engineer in Charge and shall be absolutely at the disposal of the Government without prejudice to any other right or remedy available in law. 10.1 (i) As soon as possible but within 7 (seven) working days of award of work and in consideration of (a) Schedule of handing over of site as specified (b) Schedule of issue of designs as specified, the Contractor shall submit a Time and Progress Chart for each mile stone. The Engineer-in-Charge may within 7 (seven) working days thereafter, if required modify, and communicate the program approved to the contractor failing which the program submitted by the contractor shall be deemed to be approved by the Engineer-in-Charge. The Chart shall be prepared in direct relation to the time stated in the Contract documents for completion of items of the works. It shall

indicate the forecast of the dates of commencement and completion of various trades of sections of the work and may be amended as necessary by agreement between the Engineer-in-Charge and the Contractor within the limitations of time imposed in the Contract documents.

(ii) In case of non-submission of construction programme by the contractor, the program approved by the Engineer-in-Charge shall be deemed to be final.

(iii) The approval by the Engineer-in-Charge of such programme shall not relieve the contractor of any of the obligations under the contract.

(iv) The contractor shall submit the Time and Progress Chart and progress report using the mutually agreed software or in other format decided by Engineer-in-Charge for the work done during previous month to the Engineer-in-charge on or before 5th day of each month failing which a recovery to be decided by the NIT approving authority shall be made on per week or part basis in case of delay in submission of the monthly progress report

10.2 If the work(s) be delayed by:-

(i) force majeure, or

(ii) abnormally bad weather, or

(iii) serious loss or damage by fire, or

(iv) civil commotion, local commotion of workmen, strike or lockout, affecting any of the trades employed on the work, or

(v) delay on the part of other contractors or tradesmen engaged by Engineer-in-Charge in executing work not forming part of the Contract, or

(vi) any other cause like above which, in the reasoned opinion of the Engineer-in-Charge is beyond the Contractor's control. then upon the happening of any such event causing delay, the Contractor shall immediately give notice thereof in writing to the Engineer-in-Charge but shall nevertheless use constantly his best endeavours to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in-Charge to proceed with the works.

The contractor shall have no claim of damages for extension of time granted or rescheduling of milestone/s for events listed in sub clause 10.2.

10.3 In case the work is hindered, by the Department or for any reason / event, for which the Department is responsible, the authority as indicated, if justified, give a fair and reasonable extension of time and reschedule the mile stones for completion of work.

Such extension of time or rescheduling of milestone/s shall be without prejudice to any other right or remedy of the parties in contract or in law, provided further that for concurrent delays under this sub clause and sub clause 10.2 to the extent the delay is covered under sub clause 10.2 the contractor shall be entitled to only extension of time and no damages.

10.4 Request for rescheduling of Mile stones or extension of time, to be eligible for consideration, shall be made by the Contractor in writing within fourteen days of the happening of the event causing delay on the prescribed forms i.e. Form of application by the contractor for seeking rescheduling of milestones or Form of application by the contractor for seeking extension of time (Appendix - XVI) respectively to the authority

as indicated. The Contractor shall indicate in such a request the period by which rescheduling of milestone/s or extension of time is desired. With every request for rescheduling of milestones, or if at any time the actual progress of work falls behind the approved programme by more than 10% of the stipulated period of completion of contract, the contractor shall produce a revised programme without causing any delay in execution of the work. A recovery as specified shall be made on per day basis in case of delay in submission of the revised programme.

10.4.1 In any such case the authority as indicated may give a fair and reasonable extension of time for completion of work or reschedule the mile stones. E-in-C shall finalize/ reschedule a particular mile stone before taking an action against subsequent mile stone. Such extension or rescheduling of the milestones

shall be communicated to the Contractor by the authority as indicated in writing, within 21 days of the date of receipt of such request from the Contractor in prescribed form. In event of non-application by the contractor for extension of time E-in-C after affording opportunity to the contractor, may give, supported with a programme (as specified under 10.4 above), a fair and reasonable extension within a reasonable period of occurrence of the event.

10.5 In case the work is delayed by any reasons, in the opinion of the Engineer-

		in-Charge, by the contractor for reasons beyond the events mentioned in clause 10.2 or clause 10.3 or clause 10.4 and beyond the justified extended date, without prejudice to right to take action under Clause 3, the Engineer-in-Charge may grant extension of time required for completion of work without rescheduling of milestones. The contractor shall be liable for levy of compensation for delay for such extension of time. 10.6 The proforma for Extension of Time (EOT), as per Annexure-IV and as per ANNEXURE–36 (Refer SOP No. 5/25) – "Form of Application by the Contractor for Seeking Extension of Time", is enclosed with the NIT.
11	**Minimum Wages Act and EPFO & ESIC**	11.1 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.** 11.2 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.
12	**Termination / Determination of Contract**	12.1 If the services/work of the contractor are not found satisfactory, the contractor shall be issued a notice of 7 days to improve the performance/work. In case the contractor fails to improve the performance/work within the stipulated notice period, the User/Client shall have the right to determine/rescind the contract, either wholly or partly, without prejudice to any other rights available under the contract. The contract may also be determined/rescinded under the following circumstances: a) If the contractor commits breach of any of the terms and conditions of the agreement; and/or b) If the contractor is adjudged insolvent or enters into any arrangement/compromise with creditors, or if any receiver is appointed over the assets/property of the contractor; and/or c) If the contractor becomes legally disentitled to perform the obligations under the agreement; and/or d) If there is any change in the constitution, ownership, partnership, or management of the contractor without prior written approval of the User/Client; and/or e) If the contractor is found involved in fraud, misrepresentation, corrupt practices, or submission of false documents, the User/Client shall have the right to determine the contract and forfeit the Performance Guarantee/Security Deposit/EMD, as applicable. 12.2 In the event of determination/rescission of the contract for any reason whatsoever, the contractor or persons employed by him or his agents shall not be entitled to claim any compensation or damages from the User/Client on account of such determination/rescission..
13	**Termination of contract on death of contractor**	13.1 Without prejudice to any of the right or remedies under this contract, if the contractor dies, the **Commandant (Engineer) SZ** with the recommendation of competent authority, 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 **Commandant (Engineer) SZ** with the recommendation of competent authority, 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 Commandant (Engineer) SZ with the recommendation of competent authority, 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 Commandant (Engineer) SZ with the recommendation of competent authority, in such assessment shall be final and binding on the parties. In the event of such cancellation the Commandant (Engineer) SZ with the recommendation of competent authority, shall not hold the estate of deceased contractor and/or the surviving partners of the contractor's firm liable for any damages for non-completion of contract.
14	**Escalation of Cost**	14.1 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.
15	**Contractor Liable for Damages, defects during defect liability Period**	15.1 If the contractor or his workmen, agents or servants break, deface, injure or damage any part of the building in which they are working, or any building, road, road kerb, fence, enclosure, water pipe, cable, drain, electric or telephone post/wire, trees, grassland or cultivated land contiguous to the premises where the work is being executed, or if any damage occurs to the work during execution from any cause whatsoever, or if any defect, shrinkage or other faults appear in the work within the Defect Liability Period (DLP) of **12 (Twelve) months [other than road work, waterproofing treatment and anti-termite treatment works, for which separate guarantee provisions shall apply as per Appendix-E]** from the date of issue of completion certificate by the Engineer-in-Charge, arising out of defective materials or workmanship, the contractor shall, upon receipt of written notice from the Engineer-in-Charge, make good the same at his own cost. In default, the Engineer-in-Charge shall be at liberty to get the same rectified through any other agency at the risk and cost of the contractor and recover the expenditure from any amount due or becoming due to the contractor, including Security Deposit and Performance Guarantee. 15.2 The Security Deposit of the contractor shall not be refunded before expiry of the Defect Liability Period of **12 (Twelve) months** [excluding road work, waterproofing treatment and anti-termite treatment works covered under separate guarantee provisions in Appendix-E] from the date of issue of completion certificate or till the final bill has been prepared and passed, whichever is later. 15.3 In case of road works, if in the opinion of the Engineer-in-Charge, half of the Security Deposit is sufficient to meet the liabilities of the contractor under the contract, 50% of the Security Deposit may be released after **six (06) months and the balance after twelve (12) months** from the date of issue of completion certificate or after passing of the final bill, whichever is later. 15.4 In case of Maintenance and Operation works of E&M Services, the Security Deposit deducted from the contractor 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. 15.5 – **Guarantee for Waterproofing Treatment** The contractor shall furnish a **5 (Five)** year guarantee in the prescribed proforma attached as Appendix-E for waterproofing treatment executed under the contract. In addition, **10% (Ten Percent)** of the cost of waterproofing items shall be retained as guarantee amount to monitor satisfactory performance of the work. Half of the retained amount may be released after completion of **two** monsoon seasons, provided the performance of the waterproofing treatment is found satisfactory. In case any defect is noticed during the guarantee period, the contractor shall rectify the same within seven days from receipt of notice, failing which the work shall be carried out through another agency at the risk and cost of the contractor. The contractor shall also inspect the waterproofing treatment once every year during the guarantee period and rectify defects, if any. However, the retained Security Deposit may be released in full against submission of a Bank Guarantee/FDR/Demand Draft from a Scheduled Bank in favour of ***"The DIGP, GC, CRPF, Avadi, Payable at- SBI, HVF, Avadi (Code No. 4675)***, valid for 5 (Five) years and deposited with the department.
16	**Compensation for Delay**	16.1 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 value.
17	**Other terms & condition**	17.1 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.

17.2 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.

17.3. 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.

17.4 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.

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

17.6 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.

17.7 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.

17.8 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.

17.9 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.

17.10 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.

17.11 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. 17.12 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. 17.13 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. 17.14 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. 17.15 It is the contractor’s responsibility to coordinate with other service providers No other charges for such works shall be payable.
18	**Contract Agreement**	18.1 After award of the work, the L-1 contractor shall physically visit the Office of the South Zone Headquarters, Hyderabad, for signing the contract agreement in ink.
19.	**Memorandum of Understanding (MoU)**	19.1 The contractor shall submit the Memorandum of Understanding (MoU) for the concerned items within 30 (Thirty) days from the date of issue of the Work Order or before execution of the items covered under the MoU, whichever is earlier. 19.2 In the event of failure to submit the MoU within the stipulated period, a penalty @ 20% of the value of the items executed under the MoU shall be recovered. The recovery shall be effected at the time of settlement of the final bill.
20.	**Secured Advance**	20.1 The contractor, on signing an indenture in the form to be specified by the Engineer in Charge, shall be entitled to be paid during the progress of the execution of the work up to 75% of the assessed value of any materials or an amount not exceeding 75% of the material element cost in the tendered rate of the finished item of the work, whichever is lower, which are in the opinion of the Engineer-in- Charge non-perishable, non-fragile and non-combustible and are in accordance with the contract and which have been brought on the site in connection therewith and are adequately stored and/or protected against damage by weather or other causes but which have not at the time of advance been incorporated in the works. When materials on account of which an advance has been made under this sub-clause are incorporated in the work, the amount of such advance shall be recovered/ deducted from the next payment made under any of the clause or clauses of this contract. Such secured advance shall also be payable on other items of perishable nature, fragile and combustible with the approval of the Engineer-in-Charge provided the contractor provides a comprehensive insurance cover for the full cost of such materials. The decision of the Engineer- in-Charge shall be final and binding on the contractor in this matter. No secured advance, shall however, be paid on high-risk materials such as ordinary glass, sand, petrol, diesel etc.
21.	**EXTRA ITEMS, DEVIATIONS AND PRICING**	The provisions regarding Extra Items, Deviations, and Pricing shall be governed by Clause 12 of CPWD GCC 2023 (Maintenance Works) and subsequent amendments/modifications issued by CPWD from time to time through Office Memorandums, Circulars, and Guidelines. The contractor shall comply with all such provisions and instructions applicable during the currency of the contract, including provisions related to Extra Items, Deviated Quantities, Cost Index, Labour Rates, and Pricing mechanism as amended vide Office Memorandum No. DG/CON/Maintenance/2023/03 dated 18.12.2023 and further amendments issued thereafter.
22	**Deduction of Statutory Taxes from Contractor’s Bills**	All statutory deductions such as Income Tax, GST-TDS, Labour Welfare Cess, Royalty, and any other taxes, duties, or cess as applicable under the Central Government/State Government rules and regulations shall be deducted from the contractor’s bills at the prevailing rates in force at the time of payment. The deductions shall be made in accordance with the relevant provisions of CPWD

<table>
<tr><td></td><td></td><td>GCC, CGST Act 2017, and Office Memorandums/Circulars issued by CPWD from time to time, including the methodology for deduction of statutory taxes from contractor’s bills as revised vide OM No. 158/SE(TAS)/GST/2026/74-H dated 30.03.2026 and subsequent amendments issued thereafter. The contractor shall submit proper tax invoices in B2B format as prescribed under Rule 46 of the CGST Act for processing of payments.</td></tr>
<tr><td>23</td><td>Arbitration Clause (As per CPWD GCC Norms)</td><td>23.1 In the event of any dispute or difference arising out of or in connection with this contract, the same shall be dealt with in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and amendments thereto, subject to the provisions contained in the CPWD General Conditions of Contract (GCC).
23.2 Except where otherwise provided in the contract, all disputes and differences relating to the interpretation of specifications, designs, drawings and instructions hereinbefore mentioned and as to the quality of workmanship or materials used in the work, or as to any other question, claim, right, matter or thing whatsoever arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or these conditions, or otherwise concerning the works or execution or failure to execute the same, whether arising during the progress of the work or after completion or abandonment thereof, shall be referred to the sole arbitration of the person appointed by the competent authority as specified under the CPWD GCC.
23.3 The Arbitrator shall be appointed by the authority competent to appoint the Arbitrator under the provisions of the CPWD GCC. The arbitration proceedings shall be conducted at the place decided by the Arbitrator and in the English language.
23.4 It is also a term of this contract that no person other than a person appointed by the competent authority under the CPWD GCC shall act as Arbitrator and, if for any reason that is not possible, the matter shall not be referred to arbitration at all.
23.5 The award of the Arbitrator shall be final and binding on both the parties, subject to the provisions of the Arbitration and Conciliation Act, 1996 and amendments thereto.
23.6 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. If the contractor assigns or sublets the contract or attempts to do so, or becomes insolvent or commences any insolvency proceedings or makes any composition with creditors or attempts to do so, or if any bribe, gratuity, gift, loan, perquisite, reward or advantage, pecuniary or otherwise, is given, promised or offered directly or indirectly by the contractor or any of his servants or agents to any public officer or person in the employment of Government in any way relating to his office or employment, or if any such officer or person becomes directly or indirectly interested in the contract, the Engineer-in-Charge on behalf of the President of India shall have the power to adopt the course specified in Clause 3 of the contract in the interest of Government, and in such event, the consequences specified in the said Clause 3 shall ensue.
23.7 Settlement of Disputes by Conciliation and Arbitration
<table>
<tr><td>Sl. No.</td><td>Particulars</td><td>Details</td></tr>
<tr><td>(i)</td><td>Conciliator</td><td>DIG (Engr.)</td></tr>
<tr><td>(ii)</td><td>Arbitrator Appointing Authority</td><td>DIG (Engr.)</td></tr>
<tr><td>(iii)</td><td>Place of Arbitration</td><td>New Delhi</td></tr>
</table>
23.8 Action where no Specifications are specified
In the case of any class of work for which no specification is available as referred to in Clause 11 of GCC 2023, such work shall be carried out in accordance with the relevant Bureau of Indian Standards (BIS) Specifications. In the absence of BIS Specifications, the work shall be carried out as per the manufacturer’s specifications. If such specifications are also not available, the work shall be carried out as per the State / District Specifications. In the absence of all the above, the work shall be carried out in accordance with the instructions and requirements of the Engineer-in-Charge.</td></tr>
<tr><td>24</td><td>Completion Certificate and Clearance of Site</td><td>Clause 8 – Completion Certificate and Clearance of Site-
24.1 Within ten (10) days of completion of the work, the contractor shall submit a written notice of completion to the Engineer-in-Charge. Within thirty (30) days from the date of receipt of such notice, the Engineer-in-Charge shall inspect the work and, if the work is found satisfactory and free from defects, issue a Final Completion Certificate.
24.2 In case any defects, deficiencies, or incomplete items are observed during</td></tr>
</table>

		inspection, a Provisional Completion Certificate shall be issued indicating: (a) defects and deficiencies to be rectified by the contractor; and/or (b) items for which payment shall be made at reduced rates as determined by the Engineer-in-Charge. 24.3 No Final Completion Certificate shall be issued, nor shall the work be treated as complete, until: (i) all scaffolding, surplus materials, rubbish, debris, temporary structures, huts, sanitary arrangements, and other materials brought by the contractor for execution of the work are removed from the site; (ii) all floors, walls, doors, windows, fittings, woodwork and other portions of the building/site are properly cleaned and handed over in neat and serviceable condition; and (iii) the work has been duly measured and recorded by the Engineer-in-Charge. 24.4 In the event of failure of the contractor to remove scaffolding, surplus materials, rubbish, temporary structures, sanitary arrangements, or to clean the site before the stipulated completion date, the Engineer-in-Charge shall have the right to remove and dispose of the same at the risk and cost of the contractor and recover the expenditure incurred from any amount due or becoming due to the contractor. 24.5 The contractor shall have no claim over the disposed materials except for the actual amount, if any, realized from the sale thereof.
25.	**Water and Electricity Charges**	The contractor shall make his own arrangements for water and electricity required for execution of the work. However, if water and/or electricity is provided departmentally, the following recoveries shall be made from the contractor's bills: **Water Charges:** Water charges shall be recovered at the rate of 1% of the gross value of work done or on the basis of actual quantity of water consumed by the contractor, whichever is decided by the Engineer-in-Charge. The decision of the Engineer-in-Charge shall be final and binding on the contractor. The rate of metered water will as per municipal rates applicable in that station. **Electricity Charges:** Electricity charges shall be recovered based on the actual consumption of electricity by the contractor, as determined through meter readings or assessment made by the Engineer-in-Charge. A three phase electricity meter shall be arranged and installed by the contractor at his own cost. Recovery shall be made at the prevailing departmental/commercial tariff rates applicable during the execution of the work. The above recoveries shall be deducted from the Running Account Bills and/or Final Bill of the contractor.

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Yours Sincerely

19-10-2026
VAIBHAV SRIVASTAVA
CO-ENG-SZHYD
[For and on behalf of the President of India]

[.....]
Signature of Bidder
(with seal)

SPECIAL TERMS & CONDITIONS OF THE CONTRACT

1. If a bidder / tenderer quotes NIL charges / consideration, the bid shall be treated as unresponsive and will not be considered.
2. Temporary I-card may be issued by the Estate Officer to skilled labour /operators/ Supervisor. So that frequent movement can be done for the sake of speedy resolution of complaints. However labour camp will not be permitted in the CRPF premises CRPF is not responsible for any type of arrangement of labour camp. Contractor is solely

responsible for the accommodation & timely wages to their staff.

3. User/CLIENT does not bind itself to accept abnormally low bids. The rates quoted by the tenderer/bidder should be able to demonstrate the capability of the tenderer/bidder to deliver the contract at the offered price. Abnormally low bids/rates will be subject to analysis by User/CLIENT. If required, User/CLIENT may call written clarification from bidder, including detailed price analysis of the bid price in relation to scope, schedule, allocation of risks and responsibilities and any other requirements of the bid document and tenderer/bidder shall have to furnish Rate Analysis for the scrutiny of rates by User/CLIENT within stipulated time. User/CLIENT reserves the right to reject the bid if bid is found to be abnormally low to deliver/perform the contract.
4. The manpower deployed by the contractor should be polite, cordial, positive, efficient and their personal records should be maintained by the contractor while handling the assigned work so that their actions promote goodwill and enhance the image of User/CLIENT. Necessary grooming should be done by the contractor before posting the staff at site. He shall also comply with the provisions of all labour legislations. Receipt of any complaint in this regard shall be viewed seriously.
5. The Contractor should not employ any person who is prohibited by Law from being employed for fulfilling obligations under this Contract. Any indecent behaviour / suspicious activities of the staff employed shall be viewed seriously and a suitable penalty shall be imposed on contractor. The contractor is also required to submit the list of workers with photo ID, educational qualification, address proof, etc. before deputing the workers. An attendance register shall be maintained at site indicating number of persons deployed for the inspection by User/CLIENT officials/representative.
6. Any act of indiscipline / misconduct / theft / pilferage on the part of any employee engaged by the Contractor resulting in any loss to User/CLIENT in kind or cash will be viewed seriously and User/CLIENT will have the right to take legal action along with levy damages or fine and / or even terminate the Contract forthwith, if necessary.
7. The appointed contractor is required to generate End of the Day (EoD) reports on status of works, labour deployed, etc. to the concerned officer of the Client.
8. Contractor shall follow the prescribed formats/procedures for official documentation like registers, etc. as stipulated by User/CLIENT from time to time.
9. In case of emergency work, no extra payment for working in odd hour will be made.
10. The property will be handed over to the Contractor on 'as is where is' basis and the contractor shall ensure proper service to a reasonably satisfactory level.
11. User/CLIENT reserves to change scope of work during the contract period.
12. The successive bidders are responsible for replacing/repairing the stores while got defective during the warranty/guarantee/liability period.
13. The purchaser reserves the right to place order on the next higher

successful firm if the firms quoting lower rates do not fulfil the requirements of Tender Enquiry due to their limited bank solvency/capacity.

14. 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 what so ever 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 what so ever will be entertained.
15. The contractor should possession of labour license under the contract labour (Regulation and abolition) act, 1970 & 1971 from regional labour commission (Central) of area concerned**.**
16. 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 them under 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. 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 measurement as per latest India specification shall be followed.
17. **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**.
18. Department will not be responsible for any kind of incident involving the labour during or after the work. The contractor must ensure the workers against all contingencies and be responsible for their safety.
19. **This Notice Inviting Tender and Integrity Agreement shall form a part of the contract document.**
20. The L1 bidder will have to submit a copy of this Tender duly signed on each page along with other relevant documents if required during award of work.
21. **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 ***Estate officer*** **/Work committee/Officer Commanding of Building / Engineer in charge.** ***The Estate officer/Engineer-in-charge*** and its representative shall have the right to have these defects rectified at the risk and cost of the contractor if he fails to attend to these defects immediately.
22. No part of the CONTRACT nor any share or interest therein shall in any manner or degree be transferred, assigned or sublet by the CONTRACTOR directly or indirectly to any person, firm or corporation whatsoever without the consent in writing of the **Commandant(Engr.), SZ Zone, CRPF, Hyderabad, Telangana.**

23. **CREDIT SCHEDULE**:

1. The items and quantities given under the respective columns are

provisional; however, the rates inserted for credit are assessed by department. For calculation of the Contract-Sum, the amount of the 'credit schedule' as indicated shall be considered.

2. The amount for the credit schedule shall be recovered for the actual quantities ordered and retrieved from the demolition/dismantling/taking down under respective items of Schedule of quantity(Annexure-I) . The contractor shall be permitted to remove the materials indicated below in the credit schedule only after affecting the recovery for the same from the RA/Final Bill as applicable and after written permission is obtained by the contractor from the Engineer-in-Charge i.e. after signing of „Demolition Certificate" by the Estate officer.
3. It is clarified that the rate of credit/recovery rate per unit inserted by the CRPF is based on the items as existing on site and the same is only a rough indication. However, the tenderer (s) are advised to inspect the site/buildings/items in consultation with the Estate officer to ascertain the actual worth value and the condition of items etc. and no claim whatsoever shall be entertained at any stage whether the contractor(s) visit the site or not.
4. The old materials obtained will not be allowed to be re-used in the work unless it is specifically mentioned in the description of relevant items of Schedule of quantity (Annexure-J).
5. In case of the dispute related to the interpretation of the provisions with regard to the credit schedule, the decision of the Accepting Officer shall be final and binding.

24. The work shall be executed as per the drawings and specifications attached in the NIT and in accordance with the directions and instructions of the Engineer-in-charge.

25. ADDITIONAL SPECIFICATION FOR CIVIL WORKS :

a. All materials proposed to be used in the work, the sample of the material shall be got approved by the **Estate Officer, through the Engineer-in-Charge**, before their use at site. In case of any doubt regarding the quality, specifications, or suitability of any material, the **Engineer-in-Charge, Estate Officer** reserves the right to have the material tested at a Government-approved laboratory or NABL-accredited laboratory. The cost of such testing, if required, shall be borne by the contractor.
b. The rates quoted by the contractor shall be inclusive of all taxes, duties, levies, royalties, cess, labour welfare charges, works contract taxes, GST, and any other statutory obligations applicable to the work. No extra payment on this account shall be admissible.
c. All materials and products to be used in the work shall be of reputed make, branded, and conform to relevant BIS/ISI specifications wherever applicable. The approved makes specified in the **"List of Approved Makes"** forming part of the NIT shall be followed. For items not covered under the approved makes list, the contractor shall submit at least three (03) alternative makes conforming to relevant BIS/ISI standards for approval. The final selection and approval of the make shall rest with the Accepting Officer, whose decision shall be

final and binding on the contractor.

26. Design Mix for Road Works (Applicable for Road Works)

a) All road works, including BM (Bituminous Macadam), BC (Bituminous Concrete), and re-carpeting, shall commence only after approval of the design mix. The Contractor shall submit the design mix based on representative samples, which shall be approved by the **Estate Officer** upon recommendation of the Engineer-in-Charge. The design mix shall be obtained from reputed institutions/laboratories such as IIT/NIT/Government Engineering Colleges/Government Laboratories/NABL-accredited laboratories.

b) For all types of road works, materials produced from a hot mix plant equipped with an automatic digital control panel shall only be used. The use of on-site mixing or mini batching plants is strictly prohibited. However, under exceptional and unavoidable circumstances, the use of a mini batching plant may be permitted only with prior written approval from the Estate Officer. In such cases, a deduction of 10% on the quoted rates for BM/BC items shall be applicable, which shall be duly accepted and signed by the Contractor.

27. Use of Waste Plastic in Bituminous Concrete (Applicable for Road Works)

The Contractor shall ensure the availability of suitable plant and technology capable of producing bituminous concrete incorporating waste plastic additives, as specified. No work shall commence until the proposed plant and technology have been inspected, verified, and approved by the Engineer-in-Charge.

28. Structural and Architectural Design Drawings *(Applicable wherever Structural and Architectural Design Drawings are required)*

28.1 The contractor shall prepare and submit all required architectural drawings, structural designs, detailed structural drawings, shop drawings, fabrication drawings, and other allied drawings, wherever applicable, in accordance with the approved concept/architectural plans, relevant Indian Standard (IS) Codes, National Building Code (NBC), CPWD specifications, and other statutory provisions applicable to the work.

28.2 The structural design and drawings shall be prepared and signed by a qualified/licensed Structural Engineer having adequate experience in the relevant field. The contractor may also engage reputed Government Institutions/Organizations such as IITs, NITs, JNTUs, Government Engineering Colleges, or any other approved engineering institution for preparation, checking, and vetting of the design and drawings.

28.3 Wherever required by the Engineer-in-Charge, the contractor shall obtain proof checking/vetting of the structural design and drawings from any reputed Government Institution/approved structural consultant prior to commencement of execution. The vetted drawings along with design calculations shall be submitted to the Engineer-in-Charge for approval.

28.4 The contractor shall ensure that all designs comply with the latest applicable IS Codes and statutory requirements related to structural stability, seismic forces, wind loads, fire safety, durability, serviceability, and functional requirements of the structure.

28.5 The quantities indicated in the tender documents/BOQ/drawings are tentative and may vary during execution depending upon site requirements and approved designs. No claim whatsoever on account of variation in quantities shall be entertained. Payment shall be made on the basis of actual executed and approved quantities at the accepted contract rates.

28.6 Approval of drawings/designs by the Engineer-in-Charge shall not relieve the contractor of his responsibility for the correctness, adequacy, safety, stability, and structural soundness of the design and executed work. The contractor shall remain fully responsible for any defect, deficiency, failure, or discrepancy noticed during execution or during the defect liability period.

28.7 No extra payment shall be made to the contractor for preparation, revision, vetting, proof checking, and submission of structural and architectural drawings/designs unless

specifically provided elsewhere in the contract.

29. Clauses Applicable for Electrical Works

29.1 This is a composite work comprising Civil and Electrical components. The Electrical works shall be executed either by the contractor himself, if holding a valid Electrical Contractor License, or through an approved specialized agency possessing a valid Electrical Contractor License issued by the concerned State/Central Electrical Licensing Authority. Proper coordination between Civil and Electrical works shall be the sole responsibility of the contractor.

29.2 The scope of Electrical works includes internal electrical wiring, conduit laying, switch/socket installation, light fittings and fixtures, distribution boards, MCBs, RCCBs, earthing, associated accessories, and all related repair/renovation works as per the BOQ, approved drawings, specifications, and site requirements.

29.3 All Electrical works shall be carried out strictly in accordance with:

- CPWD General Specifications for Electrical Works – Part-I (Internal) and Part-II (External);
- CPWD General Conditions of Contract (GCC) 2020 and subsequent amendments;
- Relevant Indian Standards (IS Codes), Indian Electricity Rules, and CEA Regulations;
- BIS standards and statutory safety regulations; and
- Approved manufacturer’s specifications, technical manuals, and directions of the Engineer-in-Charge.

29.4 The contractor/specialized agency executing the Electrical works shall possess a valid Electrical Contractor License issued by the competent Central/State Electrical Licensing Authority and shall comply with all statutory requirements applicable to the work.

29.5 Qualified, licensed, and experienced electricians/supervisors shall be deployed at the site during execution of the Electrical works.

29.6 Safety and Compliance

- All Electrical works shall be executed in compliance with applicable safety standards, including IS: 732, IS: 3043, CPWD Safety Code, and CEA safety regulations.
- Proper earthing and safety protection shall be provided for all electrical installations.
- Use of PPE (Personal Protective Equipment) by workmen shall be mandatory.
- Electrical shutdowns, if required, shall be taken only with prior approval of the department, and the work shall be executed in a manner causing minimum disruption to normal functioning.

29.7 Testing and Commissioning

- All electrical installations and circuits shall be tested for insulation resistance, continuity, polarity, earth resistance, and other mandatory parameters before energization.
- Final testing and commissioning shall be carried out in the presence of the Engineer-in-Charge or his authorized representative.
- The contractor shall submit all required test reports, certificates, and commissioning documents before handing over the work.
- All tools, instruments, testing equipment, and qualified manpower required for testing and commissioning shall be arranged by the contractor at his own cost.

29.8 Delay in execution attributable to the contractor, including non-availability of manpower, materials, tools, plants, or negligence, shall attract action as per the relevant provisions of the GCC and other contract conditions.
29.9 Guarantee/Warranty

- The contractor shall provide a minimum Defect Liability/Guarantee Period of 12 (Twelve) months from the date of completion/handing over for all Electrical installations, unless otherwise specified.
- Any defect, fault, or deficiency noticed during the guarantee period shall be rectified by the contractor at his own cost within the time specified by the Engineer-in-Charge.

29.10 Any damage caused to existing Civil or Electrical installations, structures, fittings, services, or property during execution of the work shall be made good by the contractor at his own risk and cost to the satisfaction of the Engineer-in-Charge.
29.11 The department reserves the right to increase or decrease the quantity of any item(s) during execution of the work, and the contractor shall execute the same at the accepted contract rates and conditions without any claim for compensation.

30. Conditions for Servicing of Transformers, DG Sets and Cleaning of Water Tanks

Scope of Work
30.1 The work includes complete servicing, testing, supply, installation and commissioning (as applicable) of the following:
i. 500 KVA Sub-Station Transformers (2 Nos) including oil filtration, BDV testing, silica gel breather, buckles relay, H.T. washers.
ii. Transformer including oil filtration, new oil filling, silica gel breather.
iii. 200 KVA Cummins DG Set including B-check kit, engine oil, radiator chemical wash, general servicing and service charges.
iv. 380 KVA Greaves DG Set including B-check kit, engine oil, replacement of LVM, timer, 4P 10A contactor, relays, VCB servicing with testing, radiator chemical wash, general servicing.
v. Cleaning of underground sumps, RCC overhead tanks, and terrace water tanks, including chlorination, UV treatment, disposal of silt/rubbish, and marking of cleaning dates.
30.2 The contractor shall supply all labour, tools, testing equipment, consumables, safety gear, and materials required for successful execution of the work.
30.3 Materials and Equipment
30.3.1 All supplied materials (silica gel breather, oil, filters, relays, timers, contactors, LVM, etc.) shall be new, unused, and of approved make.
30.3.2 Transformer oil supplied (if required) shall meet IS:335 standards and the contractor must provide test certificates.
30.3.3 All replaced parts shall be compatible with the existing equipment and approved by the Engineer-in-Charge (EIC).
30.4 Execution of Work
30.4.1 Servicing work shall be carried out strictly as per manufacturer recommendations and directions of Engineer-In-Charge.
30.4.2 Transformer oil filtration and BDV testing shall be carried out using proper filtration machine and BDV testing kit. Test results must be submitted to Engineer-In-Charge.
30.4.3 During servicing of DG Sets:

- All filters and consumables of B-check must be replaced.
- Radiator chemical washing must be done using approved chemicals.
- VCB servicing and testing shall be done by authorized or experienced personnel only.

30.4.4 All tools, tackles, ladders, pumps, pressure washers, safety gear etc. required for cleaning water tanks shall be arranged by the contractor.
30.5 Water Tank Cleaning Requirements
30.5.1 Tank cleaning shall include:
- Complete dewatering
- Manual and mechanical cleaning
- Pressure washing
- Chlorination
- Drying via air jet
- UV radiation treatment
- Removal and disposal of silt/malba

30.5.2 For terrace/loft tanks, contractor must mark the date of cleaning using stencil and paint after removing previous date marking.
30.5.3 Damage to any GI fittings, ball cocks etc. during cleaning shall be repaired at contractor's own cost.
30.6 Safety Conditions
30.6.1 All safety precautions must be followed during transformer and DG servicing, including electrical isolation, earthing and lock-out/tag-out procedures.
30.6.2 Proper PPE (gloves, mask, safety shoes, goggles, harness for heights) shall be used.
30.6.3 Contractor is responsible for safety of workers and equipment on site.
30.7 Testing and Commissioning
30.7.1 All equipment serviced must be tested in presence of EIC.
30.7.2 BDV test reports, DG servicing reports, VCB test results, and material replacement logs shall be submitted to EIC.
30.8 Work Completion and Site Cleanliness
30.8.1 The contractor shall ensure proper disposal of transformer waste, sludge, silt, used oil, and other debris as per environmental guidelines.
30.8.2 The site must be handed over in clean condition after completion of work each day.

Yours Sincerely

19-10-2026
VAIBHAV SRIVASTAVA
CO-ENG-SZHYD
[For and on behalf of the President of India]

[.....]
Signature of Bidder
(with seal)

CONDITIONS FOR OPERATION & MAINTENANCE OF 1900 KLD MBBR BASED SEWAGE TREATMENT PLANTS

1. SCOPE OF WORK

1.1 The CRPF Campus is provided with **01 No. 1900 KLD MBBR-based Sewage Treatment Plant (STP)**.

1.2 The Contractor shall be responsible for the **24×7 operation and comprehensive routine maintenance** of the MBBR-based STP throughout the contract period, including operation, monitoring, preventive maintenance, minor repairs, cleaning, chemical dosing, testing, sludge handling, record keeping and maintaining the plant in satisfactory operating condition.

1.3 The STP shall be operated in accordance with the approved design, process scheme, equipment manufacturer's recommendations, applicable environmental norms and instructions issued by the Engineer-in-Charge.

1.4 The detailed design parameters, process units, influent characteristics and treated effluent requirements shall be as specified in **Annexure-H** of the tender document.

2. PROCESS TECHNOLOGY – MBBR

2.1 The biological treatment process of the STP shall be based on **Moving Bed Biofilm Reactor (MBBR) technology**.

2.2 The MBBR process utilizes specially designed plastic carrier media on which microorganisms grow in the form of biofilm. The carrier media shall remain continuously suspended and mixed within the MBBR reactor through an adequate aeration/mixing system.

2.3 The Contractor shall ensure proper operation of the MBBR reactor, including:

a) Maintaining the required level and quantity of MBBR carrier media.

b) Ensuring continuous and adequate aeration to maintain the carrier media in suspension.

c) Maintaining suitable dissolved oxygen (DO) conditions in the aeration zone as required for biological treatment.

d) Ensuring uniform mixing and movement of carrier media throughout the MBBR tank.

e) Regular inspection and cleaning of media retention screens.

f) Ensuring that MBBR media does not escape from the reactor through the outlet/overflow system.

g) Monitoring the condition of the carrier media and reporting any loss, damage or abnormal accumulation of media.

h) Ensuring proper operation of air blowers, air headers, air distribution pipes and diffusers.

2.4 The Contractor shall not alter, remove, replace or modify the MBBR carrier media or process configuration without prior approval of the Engineer-in-Charge.

3. PROCESS UNITS

The MBBR-based STP shall generally comprise the following process units as provided in the approved design:

1. Bar Screen;
2. Oil & Grease Trap;
3. Equalization Tank;
4. Raw Sewage Transfer Pumps;
5. Anoxic Tank, where provided in the approved design;
6. MBBR Tank;
7. Secondary Settling Tank/Clarifier;
8. Clarified Water/Filtered Water Storage Tank;
9. Filter Feed Pumps;
10. Multi-Grade/Dual Media Filter;
11. Activated Carbon Filter;

12. Disinfection System;
13. UV System, where provided;
14. Treated Water Storage Tank;
15. Treated Water Supply Pumps;
16. Sludge Return Pump;
17. Sludge Holding Tank;
18. Sludge Dewatering System/Centrifuge; and
19. Associated pumps, motors, blowers, valves, pipelines, electrical panels and control systems.

The process units listed above are consistent with the MBBR process scheme specified in the uploaded Annexure-H.

4. OPERATION OF STP

4.1 The STP shall be operated **24 hours per day in contract period**.

4.2 The Contractor shall deploy trained and competent operators for uninterrupted operation of the plant.

4.3 The Contractor shall continuously monitor the operation of all process units and associated mechanical, electrical and instrumentation systems.

4.4 The Contractor shall record, at suitable intervals:

- Inlet sewage flow;
- Treated water flow;
- pH;
- DO in biological treatment tanks;
- MLSS/biological parameters, wherever applicable;
- Chemical dosing;
- Blower operation;
- Pump operation;
- Filter pressure;
- Chlorine residual, where applicable;
- Electrical consumption;
- Sludge generation;
- Equipment running hours; and
- Other parameters required for efficient operation of the STP.

4.5 Any abnormality in plant performance shall immediately be brought to the notice of the Engineer-in-Charge and corrective action shall be taken without delay.

5. EQUALIZATION TANK

5.1 The Contractor shall operate and maintain the equalization tank to accommodate fluctuations in sewage flow and characteristics.

5.2 The aeration/mixing arrangement provided in the equalization tank shall be operated as required to maintain proper mixing and prevent septic conditions.

5.3 Equalization tank pumps, air blowers, air grids, valves and associated equipment shall be inspected and maintained regularly.

The uploaded design specifies the equalization tank as a buffer for flow fluctuations and provides aeration/mixing to homogenize sewage and prevent septic conditions.

6. MBBR BIOLOGICAL TREATMENT

6.1 Sewage from the equalization tank shall be transferred to the biological treatment section in accordance with the approved process scheme.

6.2 Where an anoxic tank is provided, it shall be operated to facilitate biological nutrient removal as per the approved design.

6.3 Sewage shall thereafter enter the MBBR reactor, where microorganisms attached to the carrier media shall biologically degrade organic pollutants.

6.4 Adequate aeration shall be maintained to provide the oxygen required for biological treatment.

6.5 The Contractor shall ensure continuous movement/suspension of the carrier media.
6.6 Air blowers and air distribution systems shall be operated and maintained to achieve uniform aeration throughout the MBBR tank.
6.7 Air diffusers shall be periodically inspected for choking, fouling, leakage or uneven air distribution.
6.8 MBBR media retention screens shall be inspected regularly and cleaned whenever required to prevent choking and ensure free passage of treated water.
6.9 Any abnormal accumulation, floating or escape of carrier media shall be immediately attended to.
The uploaded Annexure-H specifically states that MBBR carrier elements provide growth sites for microorganisms and are continuously maintained in suspension through the aeration system.

7. SECONDARY SETTLING/CLARIFICATION

7.1 Mixed liquor from the MBBR tank shall flow to the secondary settling tank/clarifier.
7.2 The Contractor shall ensure proper settling of biological solids and maintain the clarifier in satisfactory operating condition.
7.3 Sludge accumulated in the clarifier shall be removed periodically through the sludge withdrawal/return arrangement.
7.4 Where sludge return is provided in the approved design, the sludge return system shall be operated as required for maintaining process performance.
7.5 Scum, floating solids and accumulated matter shall be removed regularly.
The uploaded design provides for transfer of settled sludge to the sludge holding tank, with provision for sludge return to the biological reactor wherever required.

8. DISINFECTION AND TERTIARY TREATMENT

8.1 Clarified water shall undergo the specified disinfection and tertiary treatment process.
8.2 Chlorination/dosing system shall be operated as per the approved process requirement.
8.3 Multi-grade/dual-media and activated carbon filters shall be operated and maintained regularly.
8.4 Filter backwashing and rinsing shall be carried out at suitable intervals based on differential pressure and water-quality/operational requirements.
8.5 Activated carbon filters shall be maintained to ensure effective removal of colour, odour and residual impurities.
8.6 Where UV disinfection is provided, the UV system shall be maintained and operated in accordance with the manufacturer's recommendations.
The uploaded process description provides for filtration through dual-media/multi-grade and activated carbon filters and includes UV treatment on the treated-water supply line where provided.

9. TREATED WATER

9.1 Treated water shall be stored in the treated/filtered water tank and shall be supplied for approved non-potable reuse applications such as:
a) Horticulture;
b) Flushing; and
c) Other approved purposes.
9.2 The Contractor shall ensure that treated water quality remains within the applicable prescribed limits before reuse.
9.3 The Contractor shall immediately report any deterioration in treated-water quality to the Engineer-in-Charge and take corrective measures.

10. SLUDGE MANAGEMENT

10.1 Excess biological sludge shall be periodically transferred from the settling system to the sludge holding/dewatering system.
10.2 The sludge holding tank shall be operated and maintained properly.
10.3 Sludge shall be dewatered through the installed sludge dewatering equipment/centrifuge.

10.4 Dewatered sludge shall be stored and disposed of/reused in accordance with applicable environmental rules and directions of the competent authority.
10.5 The Contractor shall prevent accumulation of excess sludge, foul odour and unhygienic conditions in the STP premises.
The uploaded design provides for sludge transfer to a sludge holding tank followed by dewatering through a centrifuge and subsequent disposal/reuse.

11. CHEMICALS AND CONSUMABLES

11.1 The Contractor shall arrange all chemicals and consumables required for routine operation of the STP, unless specifically excluded in the BOQ/NIT.
11.2 Chemicals shall be of approved quality and shall be stored safely.
11.3 Chemical dosing shall be adjusted according to actual plant operating conditions and water-quality requirements.
11.4 No excessive or unnecessary chemical dosing shall be permitted.
11.5 Records of chemical consumption shall be maintained and submitted to the Engineer-in-Charge whenever required.

12. PREVENTIVE MAINTENANCE

12.1 The Contractor shall prepare and submit a detailed preventive maintenance schedule covering all STP equipment.
12.2 Preventive maintenance shall include inspection, cleaning, lubrication, tightening, alignment, servicing and testing of:

- Pumps;
- Motors;
- Air blowers;
- Diffusers;
- Valves;
- MBBR media retention screens;
- Filter units;
- Dosing systems;
- Electrical panels;
- Control systems;
- UV system;
- Sludge dewatering equipment; and
- Associated pipelines and accessories.

12.3 Preventive maintenance shall be carried out without adversely affecting continuous STP operation.

13. BREAKDOWN MAINTENANCE

13.1 The Contractor shall attend breakdown complaints on a **24×7 basis**.
13.2 Breakdown complaints shall be attended immediately upon receipt.
13.3 The Contractor shall make all reasonable efforts to restore the affected equipment/system at the earliest.
13.4 No avoidable delay in rectification of breakdowns shall be permitted.
13.5 In case of failure attributable to negligence or inadequate maintenance by the Contractor, the Contractor shall be responsible for rectification at its own risk and cost.
13.6 Major replacement of equipment/spares shall be undertaken as per the approved scope and with prior approval of the Engineer-in-Charge wherever required.

14. WATER QUALITY TESTING

14.1 The Contractor shall arrange periodic testing of treated effluent through a **NABL-accredited laboratory/Government laboratory/Government Engineering College/IIT/NIT or other laboratory approved by the Engineer-in-Charge**, as applicable.
14.2 Testing shall include relevant parameters such as:

- pH;

- BOD;
- COD;
- TSS;
- Oil & Grease; and
- Other parameters prescribed by the applicable statutory authority.

14.3 Test reports shall be submitted to the Engineer-in-Charge immediately upon receipt.

14.4 Routine onsite testing shall also be carried out as required for effective operation of the STP.

15. MANPOWER

15.1 Minimum manpower shall be deployed as follows:

Operator: Minimum one trained operator per 08-hour shift for 24×7 operation of the 1900 KLD STP, with adequate reliever arrangement for weekly offs, leave and holidays.

Supervisor: One qualified Supervisor during the general shift for overall supervision of STP operation and maintenance.

15.2 The Contractor shall maintain adequate reserve manpower to ensure uninterrupted operation.

15.3 All deployed personnel shall be medically fit, properly trained and provided with suitable PPE and identity cards.

15.4 The Contractor shall obtain approval of the Engineer-in-Charge before deployment of personnel wherever required.

16. SAFETY

16.1 The Contractor shall be responsible for the safety of its personnel deployed at the STP.

16.2 Necessary PPE including safety shoes, gloves, helmets, masks, goggles, safety harnesses and other suitable protective equipment shall be provided wherever required.

16.3 The Contractor shall comply with all applicable safety regulations and instructions issued by CRPF.

16.4 Adequate precautions shall be taken against electrical, mechanical, chemical, confined-space, biological and other hazards associated with STP operation.

17. LOGBOOK AND RECORDS

The Contractor shall maintain the following records:

1. Daily attendance register;
2. Duty roster;
3. Hourly operational logbook;
4. Inlet and treated-water flow records;
5. pH/DO and other onsite test records;
6. Chemical consumption register;
7. Electrical consumption register;
8. Preventive maintenance register;
9. Breakdown register;
10. Equipment service records;
11. Sludge disposal records;
12. Laboratory test reports; and
13. Monthly performance report.

All records shall be made available to the Engineer-in-Charge for inspection.

18. PERFORMANCE OF TREATED EFFLUENT

18.1 The Contractor shall operate the MBBR STP so that the treated effluent conforms to the approved design parameters and applicable statutory standards.

18.2 The design document indicates the following final treated effluent characteristics after tertiary treatment:

Parameter	Requirement
PH	7.1–7.3

BOD	< 10 mg/L
COD	< 50 mg/L
TSS	< 20 mg/L
Oil & Grease	< 2 mg/L

These values are reproduced from the uploaded Annexure-H and should be read together with the applicable consent conditions/statutory standards.

19. SITE CLEANLINESS

19.1 The Contractor shall maintain the entire STP premises, equipment rooms, tanks, pathways and surrounding areas in a clean and hygienic condition.

19.2 Screenings, grit, sludge, grease and other waste shall not be allowed to accumulate within the plant premises.

19.3 Any spillage of sewage, chemicals, oil or other material shall be cleaned immediately.

20. STATUTORY COMPLIANCE

20.1 The Contractor shall comply with all applicable environmental, labour, safety and statutory requirements.

20.2 The Contractor shall extend necessary assistance during inspection by CPCB, State Pollution Control Board or other competent authorities.

20.3 The Contractor shall maintain all records required for demonstrating satisfactory operation and environmental compliance.

21. MAJOR REPAIRS AND SPARES

21.1 Routine minor repairs and maintenance labour shall be included in the contract.

21.2 Major repairs, replacement of major equipment and major components shall be undertaken only as per the approved scope and with prior approval of the Engineer-in-Charge.

21.3 Wherever spare parts are payable separately, the Contractor shall submit supporting documents/invoices and obtain prior approval before replacement, except in genuine emergency situations.

21.4 Removed/replaced components shall be handed over to CRPF.

22. TECHNICAL EXPERT VISIT

22.1 The Contractor shall arrange a visit by a qualified technical expert/Engineer from its organization at least **once every month**.

22.2 The technical expert shall:

a) Review plant performance;

b) Review water-quality results;

c) Review operational parameters;

d) Inspect MBBR media and aeration system;

e) Review preventive maintenance;

f) Identify recurring operational problems; and

g) Recommend measures for improving plant efficiency.

22.3 A monthly technical inspection report shall be submitted to the Engineer-in-Charge.

23. CONTRACTOR'S LIABILITY

The Contractor shall be responsible for proper operation and maintenance of the STP within the approved scope. Any loss or damage caused to plant/equipment due to negligence, improper operation, unauthorized alteration or failure to carry out required maintenance by the Contractor shall be dealt with as per the terms and conditions of the contract.

24. HANDING OVER

On completion/expiry of the contract, the Contractor shall hand over the STP in clean and satisfactory operating condition, along with all relevant logbooks, maintenance records, test reports and other documents maintained during the contract period.

–

Yours Sincerely

19-10-2026
VAIBHAV SRIVASTAVA
CO-ENG-SZHYD
[For and on behalf of the President of India]

[.....]
Signature of Bidder
(with seal)

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LIST OF MAKES

MATERIALS : Unless specific makes/manufacturers are specified in the tender documents all the materials to be procured by the contractor for incorporation in the work under this contract (with the exception of local materials like bricks, stone aggregate, stones, sand etc) shall be with ISI certifications mark.

SAMPLES OF MATERIALS: The contractor shall produce samples of all materials and shall obtain approval in writing from Engineer-in-charge before he places bulk order for the materials for incorporation in the work. The contractor shall not procure materials unless the samples are first got approved from the Engineer-in-charge.

TESTING : The contractor shall submit the manufacturer's test certificate in original along with the Test Sheet giving the result of each physical test as applicable and the chemical composition of the cement or authenticated copy thereof, duly signed by the manufacturer with each consignment clearly bringing out lot No. The Engineer-in-Charge shall record these details in the Cement Supply & Acceptance register

Following mandatory tests shall be carried out for cement procured by the Contractor:

i. Initial and final setting time
ii. Soundness test
iii. Compressive strength test at 3, 7 & 28 days as specified in relevant IS code.

CONCRETE

MATERIALS FOR CONCRETE:-

I. **LIME:** Lime shall be eminently hydraulic lime (Class 'A') and shall conform to IS: 712.

II. **CEMENT:** Cement shall be stored in dry a place covered all round and no stacks shall be more than 15 bags high.

I I I . **COARSE AGGREGATE:** Course aggregate shall be crushed stone aggregate and shall conform to standard specifications followed in the industry.

LIST OF APPROVED MANUFACTURERS AND MAKES

Appendix-I

CATEGORY A – BRAND OF ITEMS TO BE USED FOR GO's MESS/ GO's GUEST ROOM, ADM BLOCK, T-IV TO T-VII QUARTERS, AUDITORIUM, LECTURE HALL FOR OFFICERS ETC.:

Sl. No.	Name of Items	Brands recommended
1.	Sanitary ware	Jaquar, Kohler, Hindware Italian, Roca, TOTO, Somany french collection
2.	CP Bathroom fittings	Jaquar, Kohler, Hindware Italian, Roca, TOTO, Somany french collection
3.	Flushing Cistern	Jaquar, Kohler, Hindware Italian, Roca, TOTO, Somany french collection

4.	Interior paint (at least 2 coats)	Asian Paints (Royale Shyne Luxury Emulsion), Berger (Silk Glamour), Nerolac (Impressions 24 Carat)
5.	Exterior paint (at least 2 coats)	Asian Paints (Apex Weatherproof Exterior Emulsion), Dr fixit raincoat neo, Nerolac (Excel Protect), Berger (Weather coat long life flexo)
6.	Lock/Latch	Godrej, Hafele, Yale
7.	Flush door shutter (decorative or non-decorative) /laminates/pre-laminate particle board & plywood (minimum 40 Kg weight)	Action TESA, Pergo, Greenply, Century-Ply. Note (minimum 40 Kg weight)
8.	Laminated sheets	Hylem, Merino Laminates, Greenlam
9.	Aluminum door/window Hardware	Mangalam, Classic Hardima, Hindalco
10.	SS Hardware fittings	Hettich, Godrej, Häfele
11.	Water Storage Tank	Sintex (ISI Marka), Supreme (ISI Marka), Vectus (ISI Marka)
12.	Cement (OPC/PPC)	ACC, UltraTech Cement, Ambuja Cements, Shree
13.	White cement	Birla White, JK Cement, Pidilite
14.	Wall putty	Birla White, Asian Paints, JK Cement
15.	Enamel paints	Asian Paints, Berger Paints, Nerolac Paints
16.	Wall primer	Asian Paints, Berger Paints, Nerolac Paints
17.	Iron primer	Berger Paints, Asian Paints, Nerolac Paints
18.	Damp/water proof material	Dr. Fixit, CICCO, Asian Paints SmartCare
19.	Water proofing system (AAP/Liquid membrane/ Elastomeric)	Pidilite, Fosroc, Bostick, STP
20.	Structural steel section	Tata Steel, SAIL, APL Apollo, Jindal JSW
21.	Structural steel reinforcement (saria)	Tata Steel, SAIL, APL Apollo, Jindal JSW
22.	MS pipe & fittings	TATA, SAIL, APL Apollo, Jindal JSW
23.	Roofing sheet	Tata DuraShine, Jindal JSW Shangreela or equivalent
24.	PVC/uPVC/cPVC pipes & fittings	Supreme Pipes, Astral Pipes, Finolex, Prince Pipes
25.	PVC/uPVC/cPVC adhesive	M-seal, Astral, APL Apollo, Plastochem
26.	GI pipes & fittings	Jindal JSW, Tata, APL Apollo
27.	PTMT bathroom fittings	Prayag, Vectus and Jindal JSW Plast
28.	Looking mirror/glass/ Toughened glass	Saint-Gobain, Modi Guard, ASAHI
29.	SS Kitchen sink	KOHLER, Jindal JSW, Silverline, Hindware, Cera
30.	Epoxy mortar	Pidilite, Sika, Astral Adhesives
31.	Dash Fastener	Bosch, Fisher, Hilti, DFL
32.	Hydraulic door closer	Hettich, Godrej, Häfele
33.	Wooden door fittings	Hettich, Godrej, Häfele
34.	SS staircase railing & accessories	Jindal JSW (304), Tata Steel , SAIL
35.	Aluminum Section	Hindalco Industries, NALCO, Balco
36.	Hardware fittings	Hettich, Godrej, Häfele
37.	Nut, bolts & screw	Hettich, Godrej, Häfele
38.		

38.	Ceramic Glazed/vitrified tiles	Kajaria, Somany, Nitco (Minimum size 2 feet by 4 feet for walls and 2 feet by 2 feet for floor unless otherwise mentioned larger sizes)
39.	Cement Concrete tile	Mehtab, Leo, Jain Tiles Industries, Kumar Tile Industries, Hindustan Tiles
40.	Chequered tiles	Mehtab, Leo, Jain Tiles Industries, Kumar Tile Industries, Hindustan Tiles
41.	Paver tiles	Restone Industries, Leo, Mehtab, Jain Tiles Industries, Kumar Tile Industries, Hindustan Tiles
42.	Clay tiles for roof	KPG Roofings, Jindal JSW Clay Roof Tiles, Tapco
43.	Tile adhesive	Pidilite Industries (Roff), Asian Paints (SmartCare), MYK LATICRETE, Kajaria, Somany
44.	SWR pipe & fittings	Supreme Industries, Astral Pipes, Prince Pipes, and Ashirvad Pipes
45.	Gun metal valve/ Ball valve	Zoloto, L&T Valves, Supreme Industries, Kohinoor
46.	CI double flanged sluice/non-return valve	Kirloskar Brothers Ltd. (KBL) and L&T Valves or equivalent
47.	CI Manhole cover	BIC India (Bengal Iron Corporation India) and Crescent Foundry or equivalent
48.	Fire check door	JC Fire Door, Nitsui India, Adiba, and Trio
49.	Fire check door accessories	Dorset and Godrej Security Solutions, JC Fire Door Corporation or equivalent
50.	EPDM gasket	Milan Rubber Industries, Fusion Polymers, Dirak India
51.	Adhesive tape	3M, Pidilite Industries, Tesa
52.	Gypsum ceiling board	Gyproc (by Saint-Gobain), Armstrong, Knauf, Boral
53.	Gypsum ceiling tiles	Gyproc (by Saint-Gobain), Armstrong, Knauf, Boral
54.	Calcium Silicate False ceiling	Ramco, Hilux, Aerolite
55.	Stoneware pipe & Gully Trap	Navneet Ceramics, Singla Stonewares, Sorkhi Industries
56.	Acoustic Panel	Armstrong, Acoustic Board India, Tranquil Global
57.	Glass reinforced concrete	Gyproc, Asian GFRC, Diamond
58.	UPVC Door/Window/ Ventilator	Fenesta, Sintex, Aparna Venster, Supreme, indiframe,
59.	PVC door/window	Fenesta, Sintex, Aparna Venster, Supreme
60.	Multigrade polycarbonate panel	LEXAN, SUNLITE, GE Plastic
61.	Hubless pipe & fittings	BIC India, Neco Industries Limited, SKF
62.	FRP door shutter & frame	Jayraj Composite Industry, Astral Windows Pvt. Ltd., Durian
63.	Super plasticizer	Pidilite, Sika, Chembond
64.	Curtain Carrier/Drapery rod	Jindal JSW, Deco Window, MAC, Vista Levlor
65.	Bio toilet	Sintex, Organica Biotech, Tiger Toilet, D-plast
66.	Bricks	1st Class bricks or equivalent
67.	Water proof cement paint	Asian Paints, Berger Paints, Nerolac Paints
68.	Wooden flooring	Action tesa A4, Pergo A4, Greenlam A4, centuryply A4
69.	AAC Block density (550–650 kg/m³)	Ultratech AAC, Siporex / Xtralite, Renacon
70.		

70.	WPC (Wood plastic composite) panel For (Wall panels, Door frames, partitions, Furniture panels, wardrobes, Louvers, Pergola, fencing, railing)	Alstone, E3 Panels, Floresta, Century WPC, Greenplast / Greenpanel, Rajshree
71.	RCC/Pre-cast KERB stone	UltraTech Precast, RMC Readymix Precast Units, KK Manhole & Kerb Stone, DuraCrete
72.	Speed Breaker for internal roads	Sterling Safety Systems, Alcolite, Reflecto Safety, 3M (for reflective strips)
73.	MBBR media, Diffusers for STP	XYLEM / Sanitaire, SSI Diffusers, Fine Bubble diffusers – REX Poly, Bio-Media – Wock-O-Media Dark Eye (D.S. Enterprises), Frontier
74.	Barbed wire / Concertina coil	Tata Wiron**,** Jindal Wire, Bharat Wire Mesh
75.	Modular Rainwater Filter	Kent RWH System, AquaRain Filter, Rainy Filters
76.	FENCING MATERIALS (Chain link fence etc)	Tata Wiron, Jindal Wire, Godrej Security Fencing, Bharat Wire Mesh, Birla Wire

v. **MAKE/BRAND OF ELECTRICAL ITEMS:**

Sl. No.	**Name of Items**	**Brands**
01	Fluorescent lights & fittings	Philips, Havells, Crompton, Wipro
02	LED lights	Philips, Havells, Crompton, Wipro
03	Wall bracket lights	Philips, Havells, Crompton, Wipro
04	MS conduit pipe	BEC Conduits, APL Apollo Tubes, Precision Pipes, D-plast
05	PVC conduit pipe	Supreme (Heavy Duty), Prince (Heavy Duty), Astral (Heavy Duty)
06	Electrical wire	Havells, Finolex, Polycab
07	Electrical armored/ unarmored Cable	Havells (Fire retardant FR), Polycab (FR), Finolex (FR), KEI (FR)
08	Modular/Non-modular switch, socket etc	Schneider Electric, Legrand, Havells, L& T, Crabtree, C&S
09	MCB/MCCB/RCCB etc	Schneider Electric, Legrand, ABB, L& T
10	Change over switch	Schneider Electric, Legrand, ABB, L& T
11	Automatic Transfer Switch	Siemens, L&T, Schneider, ABB
12	Selector Switch & Toggle Switch	Havells, Legrand, Schneider Electric
13	Terminal block connector	Elmex, Connect well, WAGO
14	Phenolic laminated sheets /Backlite sheet	Hylem, Merino Laminates, Greenlam
15	Cat-6/Cat-6A/ Cat-7 cable, Wires & Fibre optic	D-Link, Havells or equivalent
16	Ceiling/wall Fan/Exhaust fan	Crompton, Orient, Usha, Bajaj
17	Air conditioning	Daikin, Voltas, Mistubushi, Hitachi, Carrier, Bluestar, ‘O’ General
18	Geyser	Jaquar, AO Smith, Havells, Bajaj
19	LED post top light/ street light	Philips, Havells, Wipro, Bajaj Electricals
20	Pressure pumps	Kirloskar, Crompton, Grundfos, Wilo CRI, Texmo
21	Submersible/Borewell pump	Kirloskar, Crompton, Grundfos, Wilo CRI, Texmo
22	Sewerage Pump	Kirloskar, Crompton, Grundfos, Wilo CRI, Texmo

v. **MAKE/BRAND OF SUB-STATION EQUIPMENT:**

Sl. No.	**Name of Items**	**Brands**

01	LT Panel / Meter panel board/Outdoor Feeder Pillar/A PFC Panels / Bus Ducts.	Larsen & Toubro (L&T), Accu-Panels Energy, Brilltech, Blue-Volt, VS Electricals, Infinite Automation, and Highvolt Tricolite Electrical Industries/ Havells/ Indoasian/ Engineers & Engineers
02	LT Panel / Meter panel board/Outdoor Feeder Phillar/ APFC Panels/Bus Ducts (PTTA Manufacturers)	SHALABH (U.K)/HPL/Expert/Zeniya/Application control
03	Air Insulated Rising Main	C&S/L&T/Schneider/Legrand/ ABB
04	Sandwich type Bus Trucking	C&S/L&T/Schneider/Legrand/ ABB
05	Moulded Case Circuit Breaker (MCCB) Thermal release/ Microprocessor based(Ics=Icu=100%)	Schneider Electric NSX series/ Legrand (DPX3)/ L&T(D-Sine)/ABB(TMax)/Seimens (VLseries)/ C&S(Winbreak-1/2)/Havells
06	Power/Aux.contactor3/4 pole	Schneider Electric/Legrand/Hager/L&T/ Siemens/ C&S/BCH/Havells
07	Potential transformer/Current Transformer	Automatic Electric/Gilbert & Maxwell/Matrix/ Precise/ L&T
08	LED type indicating lamp/ Push Button	Havells/Standard/Schneider Electric/L&T/Seimens/ C&S/ Indoasian
09	Overload Relays	Schneider Electric/L&T/ Seimens/ C&S/ABB/Havells
10	Conventional/Electronic Digital Meters (A/V/PF/Hz/KW/KWH)	Conzerv/L&T/Secure/ AE/ C&S/HPL
11	Timer	Schneider Electric/Legrand/Hager/L&T/ABB/ Seimens/ C&S
12	D.W. Corrugated HDPE pipe (ISI marked)	Rex/Duraplast/ Triputi/Duraline/ CPE
13	Transformer (oil/Dry type)	Crompton/ABB/Schneider/ Voltamp
14	HT panel/ Ring Main unit	Crompton/Seimens/ABB/L&T/Schneider/LS Power control/Consoul/Coronet (Coronet Engineers Pvt. Limited)
15	HT Cable (ISI marked)	CCI/KEI/Havells/Polycab/ Universal/Nicco/Paramount cables/Gloster.
16	HT End Termination/Cable jointing Kit	Reychem/Denson/CapSeal/Safekei/ 3M
17	ACBs with Display	Schneider Electric (MasterpactNW6.0A) / Legrand (DMX3MP4)/L&T(U-Power-OMEGA) /ABB(Emax)PR122/ Seimens (3WL-ETU45B) /C&S(WinMaster2.4.1) /Havells /HPL
18	Rubber Mat	Jyoti/DeepJyoti/Premier (ISI marked)
19	Ammeter	L&T/AE/C&S/ HPL
20	Voltmeter	L&T/AE/C&S/ HPL
21	Fire Extinguishers (ISI marked)	Minimax/Safex/Lifeguard/ Kanex/ Omex/Ceasefire/ Andex/Kalpex/Atasee
22	Capacitor & Reactors/APFC	Epcos/ L&T/ Ducati/ ABB/ Siemens/ Schneider/ Havells

	Relay	
23	XPLE insulated PVC sheathed Alum. / Copper conductor Armored/ Unarmored cable of 1.1 KV grade	Finolex /KEI/Havells/Polycab
24	Cable Glands double compression with Earthing links	Baliga lighting/Comet/Cosmos/Dowells/ Gripwell
25	Bimetallic Cable Lugs	Comet/ Dowells (Biller India)/ Hax Brass (Copper Alloy India) / Jainson/ Action.
26	MS /GI Cable tray, Raceways	Pilco/ BEC/ Steelways/ Legrand/ Trueleader/ LS Power control/ R.P. Control/ RMCON/ AKG.
27	Programmable logic controller (PLC)	Seimens/ Allen Bradley/ L&T/ ABB

v. **MAKE/BRAND OF DG SET**

Sl. No.	Name of Items	Brands
01	Diesel operated generating engine	Cummins India/Kirloskar /Mahindra/Tata
02	Alternator	Stamford/ Lerroy Sommer/ Kirloskar Electric/ Caterpillar/ Crompton
03	DG set Canopy/Enclosure &AM F panel	As per OEM/OEA of respective DG set manufacturer
04	Alarm Annunciator	Advani Oralikon/L&T/ Minilec

v. **MAKE/BRAND OF FIRE FIGHTING EQUIPMENT:**

Sl. No.	Name of Items	Brands
01	Forged steel fittings/ Flanges	Metline Industries, Hawa Engineers, Reliable Pipes & Tubes, Rishabh Steel, Rolex Fittings, and Real Engineering/ Johnson Industries
02	Y Type Strainer	Audco/Sant/Leader/Zoloto/ Kirloskar
03	Fire/Sprinkler pump/Terrace Fire Pump	Kirloskar/KSB/ Grundfos/Crompton
04	Electric Motor pump	KSB/Kirloskar/Crompton
05	Diesel Engine for Fire Pump	Cummins India/Ashok Layland/ KOEL/Greaves
06	Couplings (Type-Type)	Lovejoy/Fenner/ Dunlop
07	Anti Vibration Mountings	Kanwal Industries Corporation/Dunlop/ GERB/Resistoflex
08	Pressure Switch (ISI marked)	System Sensor/Infoss/Danfoss/Switzer/Honeywell& Siemens
09	Pressure Gauge (ISI Marked)	H Guru / Fiebig/dwyer
10	Double / Single Headed Landing Valve (ISI marked)	Minimax/New Age/ Safeguard/ Lifeguard/ Padmini/Omex/Andex /Atasee/Kalpex/Padmini
11	Male Female fire Hose Coupling (SS304) (ISI marked)	Minimax/New Age/ Safeguard/ Lifeguard/ Padmini/Omex /Andex/Atasee/ /Kalpex/Padmini
12	First Aid Hose Drum/Fire Hose Reels / Shut off Nozzle (Gunmetal / ABS) (ISI Marked)	Minimax/New Age/ Safeguard/ Lifeguard/ Eversafe/Omex/Andex/Atasee/ /Kalpex/Padmini

13	SS304/Gun metal Branch Pipe &Nozzle (ISI Maked)	Minimax/NewAge/ Safeguard/Lifeguard/ Omex/Andex/Atasee/ /Kalpex/Padmini
14	Fireman Axe	Minimax/NewAge/ Safeguard
15	Water Flow Switch (FM/UL Listed)	System Sensor/Rapid Control/Potter/Switzer
16	Rust Preventive polymeric 4mm thick tape for pipes directly buried in ground pipe protection pypko at (AW4) Wrapping (ISI Marked)	Pypcoat/Marphalt/Rustech/ Safex
17	Level Controller & Indicator (water) (ISI Marked)	Autopump/Cirrus Engineering/ Techtrol
18	Fire Brigade Inlet Connecetion (ISI Marked)	Minimax/NewAge/ Safeguard/ Lifeguard/ Omex/Eversafe/Kalpex/Padmini
19	Thermoplastic pipe for first Aid Hose Reel (ISI Marked)	New Age/ Safeguard/ Lifeguard/ Padmini/Omex/Eversafe/Atasee/Kalpex
20	Fire Sealant	Promat/Birla3M/ Hilti
21	Overload Relays	Schneider Electric/L&T/Seimens/ C&S/ABB/Havells
22	power/Aux. contactor3/4 pole	Schneider Electric/Legrand/Hager/L&T/ ABB/Seimens/ C&S/BCH/Havells/HPL
23	LED type indicating lamp/Push Button	Schneider Electric/L&T/Seimens/ C&S/ABB
24	LT jointing kit / Termination	Reychem/Denson/CapSeal/Safekei/ 3M or equivalent
25	RRL Hosepipe (ISI Marked)	NewAge/Safeguard/Lifeguard/ Padmini/Omex/Atasee/Kalpex
26	Dry Battery	Exide/HBL/Pulse/ Amco
27	Battery Charger	Statcon/CDC/AE/Expofyn/ thycon India
28	Air Release Valve	Rb/Tbs/Cimbrio/ Zoloto
29	Analogue/Digital Measuring Instruments (Voltmeter/ Ammeter/ Energy meter/ KW/PE/ Multi-Function meter)	AE/Rishabh/L&T/C&S/ Conzerve/HPL
30	Cable glands & Lugs	Comet/Dowells/HaxBrass(copperAlloy India)/Jainson/ Action
31	Solenoid Valve/ Spray Nozzle	Perker/HD/Tyco/ Emersion
32	Sprinkler	HD/Tyco/Reliable/ Wormald/Viking/Atasee
33	Sprinkler Heads/Water Curtain Nozzle	Tyco/Viking/Omex/Newage/ Lifeguard
34	Steel Flexible Extension	Omex/Newage/Tyco/ Lifeguard
35	Vibration Eliminator	Resistoflex/DWaren /Kanwal
36	Welding Electrodes	Advani/ESAB/ L&T
37	Deluge Valve	Tyco/Viking/ HD
38	Cast Iron Valve	Kirloskar/Kartar/Kalpana/Joloto/Audco/ Advance
39	Fire extinguisher (Portable/Wheeled)	Atasee/Kalpex or equivalent
40	Rubber hose for water suction and Discharge (ISI Marked)	Padmini, Minimax/NewAge/ Ceasefire/ Padmini /Tyco/Superex

v. **MAKE/BRAND OF FIRE ALARM SYSTEM:**

Sl.	**Name of Items**	**Brands**

No.		
01	Addressable Manual call box	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES (Agni Suraksha)
02	Addressable type fault isolator	Johnson control/Honeywell/Siemens/Bosch/ EST(Edward)
03	Strobe lights cum hooter	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES (Agni Suraksha)
04	Addressable control modules for hooter	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES (Agni Suraksha)
05	Addressable monitor module for flow switch	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES (Agni Suraksha)
06	Addressable type fire alarm control panel	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES (Agni Suraksha)
07	Network repeater panel	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES (Agni Suraksha)
08	Addressable multi sensing fire detector (Combination of optical type smoke detector and ROR type heat detector)	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES (Agni Suraksha)
09	Response Indicator	Apollo/ Systemsensor/ Electroquip
10	Addressable/conventional PA System	Notifier/Johnsoncontrol/ Honeywell/ Siemens / Bosch / ASES (AgniSuraksha)
11	Fire suppression system	Notifier/ Johnsoncontrol/ Honeywell/ Siemens/ Bosch/ ASES (Agni Suraksha)/ Kalpex

Note: -

- Buyer/ estate officer shall ensure the preference and choice any brand as suggested above after award of tender.
- The contractor shall remain fully responsible for quality, warranty, and performance of materials used, irrespective of approved brand.
- In case the approved make/brand of any item is not available in the market, equivalent make/brand may be considered only after obtaining prior approval/sanction from the Competent Engineering Authority (CEA).

Appendix-II

CATEGORY B - BRAND OF ITEMS TO BE USED FOR T-III QUARTERS, LECTURE HALL FOR SO's/ JAWAN's, SO's MESS, SO's LINE , STP ETC.

v. **MAKE/BRAND OF CIVIL ITEMS:**

Sl. No.	Name of Items	Brands recommended
1.	Sanitary ware	Cera, Hindware , Jaquar, Somany
2.	CP Bathroom fittings	Cera, Hindware , Jaquar, Somany
3.	Flushing Cistern	Parryware, Cera, Hindware , Jaquar, Somany
4.	Interior paint (at least 2 coats)	Asian Apcolite emulsion or premium emulsion, Berger (Silk Breathe Easy), Nerolac (Impressions Sheen Carat) Indigo (Gold Series Emulsion),
5.		

	Exterior paint (at least 2 coats)	Nerolac (Excel No Dust Exterior), Berger (Weather coat long life 10), Asian Apex exterior, Dulux Weather Protect
6.	Lock/Latch	Harrison, Godrej, Link Lock, Doorset
7.	Flush door shutter (decorative or non-decorative) /laminates/pre-laminate particle board & plywood	Pergo, Kitply, Nation-Plywood, Action TESA, Century
8.	laminated sheets	Virgo, Merino Laminates, Century Starline, Greenlam
9.	SS Hardware fittings	Harrison, Link, Godrej, Doorset
10.	Water Storage Tank	Vectus (ISI Marka), Plasto (ISI Marka), Supreme (ISI Marka), Prince (ISI Marka)
11.	Cement (OPC/PPC)	ACC, UltraTech Cement, Ambuja Cements, Shree
12.	White cement	Birla White, JK Cement, Pidilite
13.	Wall putty	Birla White, Asian Paints, JK Cement
14.	Enamel paints	Asian Paints, Berger Paints, Nerolac Paints
15.	Wall primer	Asian Paints, Berger Paints, Nerolac Paints
16.	Iron primer	Berger Paints, Asian Paints, Nerolac Paints
17.	Damp/water proof material	Dr. Fixit, CICCO, Asian Paints SmartCare
18.	Structural steel section	Tata Steel, SAIL, APL Apollo, Jindal JSW or equivalent
19.	Structural steel reinforcement (saria)	Tata Steel, SAIL, APL Apollo, Jindal JSW
20.	MS pipe & fittings	TATA, SAIL, APL Apollo, Jindal JSW
21.	Roofing sheet	Tata DuraShine, Jindal JSW Shangreela or equivalent
22.	PVC/uPVC/cPVC pipes & fittings	Supreme Pipes, Astral Pipes, Finolex, Prince Pipes
23.	PVC/uPVC/cPVC adhesive	M-seal, Astral, APL Apollo, Plastochem
24.	GI pipes & fittings	Jindal JSW, Tata, APL Apollo
25.	PTMT bathroom fittings	Prayag, Vectus and Jindal JSW Plast
26.	Looking mirror/glass/ Toughened glass	Saint-Gobain, Modi Guard, ASAHI
27.	SS Kitchen sink	KOHLER, Jindal JSW, Silverline, Hindware, Cera
28.	Epoxy mortar	Pidilite, Sika, Astral Adhesives
29.	Dash Fastener	Bosch, Fisher, Hilti, DFL
30.	Hydraulic door closer	Hettich, Godrej, Häfele
31.	Wooden door fittings	Hettich, Godrej, Häfele
32.	SS staircase railing & accessories	Jindal JSW (304), Tata Steel , SAIL
33.	Aluminum door/window Hardware	Mangalam, Classic Hardima, Hindalco, Jindal
34.	Aluminum Section	Hindalco Industries, NALCO, Balco, Jindal
35.	Hardware fittings	Hettich, Godrej, Häfele or equivalent
36.	Nut, bolts & screw	Hettich, Godrej, Häfele
37.	Ceramic Glazed/vitrified tiles	Kajaria, Somany, Nitco, Spanza, johnson (Minimum size 1 feet by 2 feet for walls and 2 feet by 2 feet for floor unless otherwise mentioned larger sizes)
38.	Cement Concrete tile	Kajaria, Somany, Nitco, Spanza, johnson
39.	Chequered tiles	Kajaria, Somany, Nitco, Spanza, johnson
40.		

40.	Paver tiles	Kajaria, Somany, Orient Bell, Nitco, Restone Industries, Spanza, johnson
41.	Clay tiles for roof	KPG Roofings, Jindal JSW Clay Roof Tiles, Tapco
42.	Tile adhesive	Pidilite Industries (Roff), Asian Paints (SmartCare), MYK LATICRETE
43.	SWR pipe & fittings	Supreme Industries, Astral Pipes, Prince Pipes, and Ashirvad Pipes
44.	Gun metal valve/ Ball valve	Zoloto, L&T Valves, Supreme Industries, Kohinoor
45.	CI double flanged sluice/non-return valve	Kirloskar Brothers Ltd. (KBL) and L&T Valves or equivalent
46.	CI Manhole cover	BIC India (Bengal Iron Corporation India) and Crescent Foundry or equivalent
47.	Fire check door	JC Fire Door, Nitsui India, Adiba, and Trio
48.	Fire check door accessories	Dorset and Godrej Security Solutions, JC Fire Door Corporation or equivalent
49.	EPDM gasket	Milan Rubber Industries, Fusion Polymers, Dirak India
50.	Adhesive tape	3M, Pidilite Industries, Tesa
51.	Gypsum ceiling board	Gyproc (by Saint-Gobain), Armstrong, Knauf, Boral
52.	Gypsum ceiling tiles	Gyproc (by Saint-Gobain), Armstrong, Knauf, Boral
53.	Calcium Silicate False ceiling	Ramco, Hilux, Aerolite
54.	Stoneware pipe & Gully Trap	Navneet Ceramics, Singla Stonewares, Sorkhi Industries
55.	Acoustic Panel	Armstrong, Acoustic Board India, Tranquil Global
56.	Glass reinforced concrete	Gyproc, Asian GFRC or equivalent
57.	UPVC Door/Window/ Ventilator	Fenesta, Sintex, Aparna Venster, Encraft, Aluplast, Dimex
58.	PVC door/window	Fenesta, Sintex, Aparna Venster
59.	Multigrade polycarbonate panel	LEXAN, SUNLITE, GE Plastic
60.	Hubless pipe & fittings	BIC India, Neco Industries Limited, SKF
61.	FRP door shutter & frame	Jayraj Composite Industry, Astral Windows Pvt. Ltd., Durian
62.	Super plasticizer	Pidilite, Sika, Chembond
63.	Curtain Carrier/Drapery rod	Jindal JSW, Deco Window, MAC, Vista Levlor
64.	Bio toilet	Sintex, Organica Biotech, Tiger Toilet, D-plast
65.	Bricks	1st Class bricks or equivalent
66.	Water proof cement paint	Asian Paints, Berger Paints, Nerolac Paints
67.	Wooden flooring	Action tesa A4, Pergo A4, Greenlam A4, centuryply A4
68.	AAC Block density (550–650 kg/m³)	Ultratech AAC, Siporex / Xtralite, Renacon
69.	WPC (Wood plastic composite) panel For (Wall panels, Door frames, partitions, Furniture panels, wardrobes, Louvers, Pergola, fencing, railing)	Alstone, E3 Panels, Floresta, Century WPC, Greenplast / Greenpanel
70.	RCC/Pre-cast KERB stone	UltraTech Precast, RMC Readymix Precast Units, KK Manhole & Kerb Stone, DuraCrete
71.	Speed Breaker for internal roads	Sterling Safety Systems, Alcolite, Reflecto Safety, 3M (for reflective strips)
72.	MBBR media, Diffusers for STP	XYLEM / Sanitaire, SSI Diffusers, Fine Bubble diffusers – REX Poly, Bio-Media – Wock-O-

		Media Dark Eye (D.S. Enterprises), Frontier
73.	Barbed wire / Concertina coil	Tata Wiron, Jindal Wire, Bharat Wire Mesh
74.	Modular Rainwater Filter	Kent RWH System, AquaRain Filter, Rainy Filters
75.	FENCING MATERIALS (Chain link fence etc)	Tata Wiron, Jindal Wire, Godrej Security Fencing, Bharat Wire Mesh, Birla Wire

v. **MAKE/BRAND OF ELECTRICAL ITEMS:**

Sl. No.	Name of Items	Brands
01	Fluorescent lights & fittings	Philips, Havells, Crompton, Wipro
02	LED lights	Philips, Havells, Crompton, Wipro
03	Wall bracket lights	Philips, Havells, Crompton, Wipro
04	MS conduit pipe	BEC Conduits, APL Apollo Tubes, Precision Pipes, D-plast
05	PVC conduit pipe	Supreme (Heavy Duty), Prince (Heavy Duty), Astral (Heavy Duty)
06	Electrical wire	Havells, Finolex, Polycab
07	Electrical armored/ unarmored Cable	Havells (Fire retardant FR), Polycab (FR), Finolex (FR), KEI (FR)
08	Modular/Non-modular switch, socket etc	Schneider Electric, Legrand, Havells, L& T, Crabtree, Anchor Roma
09	MCB/MCCB/RCCB etc	Schneider Electric, Legrand, Havells, L& T
10	Chage over switch	Schneider Electric, Legrand, Havells, L& T
11	Automatic Transfer Switch	Siemens, L&T, Schneider, Havells
12	Selector Switch & Toggle Switch	Havells, Legrand, Schneider Electric
13	Terminal block connector	Elmex, Connect well, WAGO
14	Phenolic laminated sheets /Backlite sheet	Hylem, Merino Laminates, Greenlam
15	Cat-6/Cat-6A/ Cat-7 cable, Wires & Fibre optic	D-Link, Havells or equivalent
16	Ceiling/wall Fan/Exhaust fan	Crompton, Havells, Orient, Usha
17	Air conditioning	Daikin, Voltas, LG, Mistubushi, Hitachi
18	Geyser	Jaquar, AO Smith, Havells, Bajaj
19	LED post top light/ street light	Philips, Havells, Wipro, Bajaj Electricals
20	Pressure pumps	Kirloskar, Crompton, Grundfos, Wilo CRI, Texmo
21	Submersible/Borewell pump	Kirloskar, Crompton, Grundfos, Wilo CRI, Texmo
22	Sewerage Pump	Kirloskar, Crompton, Grundfos, Wilo CRI, Texmo

v. **MAKE/BRAND OF SUB-STATION EQUIPMENT:**

Sl. No.	Name of Items	Brands
01	LT Panel / Meter panel board/Outdoor Feeder Pillar/A PFC Panels / Bus Ducts.	Larsen & Toubro (L&T), Accu-Panels Energy, Brilltech, Blue-Volt, VS Electricals, Infinite Automation, and Highvolt Tricolite Electrical Industries/ Havells/ Indoasian/ Engineers & Engineers
02	LT Panel / Meter panel board/Outdoor Feeder Phillar/ APFC Panels/Bus Ducts (PTTA Manufacturers)	SHALABH (U.K)/HPL/Expert/Zeniya/Application control
03	Air Insulated Rising Main	C&S/L&T/Schneider/Legrand
04	Sandwich type Bus Trucking	C&S/L&T/Schneider/Legrand
05	Moulded Case Circuit Breaker (MCCB) Thermal release/	Schneider Electric NSX series/ Legrand (DPX3)/ L&T(D-Sine)/ABB(TMax)/Seimens (VLseries)/ C&S(Winbreak-1/2)/Havells

	Microprocessor based(Ics=Icu=100%)	
06	Power/Aux.contactor3/4 pole	Schneider Electric/Legrand/Hager/L&T/ Siemens/ C&S/BCH/Havells
07	Potential transformer/Current Transformer	Automatic Electric/Gilbert & Maxwell/Matrix/ Precise/ L&T
08	LED type indicating lamp/ Push Button	Havells/Standard/Schneider Electric/L&T/Seimens/ C&S/ Indoasian
09	Overload Relays	Schneider Electric/L&T/ Seimens/ C&S/ABB/Havells
10	Conventional/Electronic Digital Meters (A/V/PF/Hz/KW/KWH)	Conzerv/L&T/Secure/ AE/ C&S/HPL
11	Timer	Schneider Electric/Legrand/Hager/L&T/ABB/ Seimens/ C&S
12	D.W. Corrugated HDPE pipe (ISI marked)	Rex/Duraplast/ Triputi/Duraline/ CPE
13	Transformer (oil/Dry type)	Crompton/ABB/Schneider/ Voltamp
14	HT panel/ Ring Main unit	Crompton/Seimens/ABB/L&T/Schneider/LS Power control/Consoul/Coronet (Coronet Engineers Pvt. Limited)
15	HT Cable (ISI marked)	CCI/KEI/Havells/Polycab/ Universal/Nicco/Paramount cables/Gloster
16	HT End Termination/Cable jointing Kit	Reychem/Denson/CapSeal/Safekei/ 3M
17	ACBs with Display	Schneider Electric (MasterpactNW6.0A) / Legrand (DMX3MP4)/L&T(U-Power-OMEGA) /ABB(Emax)PR122/ Seimens (3WL- ETU45B) /C&S(WinMaster2.4.1) /Havells /HPL
18	Rubber Mat	Jyoti/DeepJyoti/Premier (ISI marked)
19	Ammeter	L&T/AE/C&S/ HPL
20	Voltmeter	L&T/AE/C&S/ HPL
21	Fire Extinguishers (ISI marked)	Minimax/Safex/Lifeguard/ Kanex/ Omex/Ceasefire/ Andex/Kalpex/Atasee
22	Capacitor & Reactors/APFC Relay	Epcos/ L&T/ Ducati/ ABB/ Siemens/ Schneider/ Havells
23	XPLE insulated PVC sheathed Alum. / Copper conductor Armored/ Unarmored cable of 1.1 KV grade	Finolex /KEI/Havells/Polycab
24	Cable Glands double compression with Earthing links	Baliga lighting/Comet/Cosmos/Dowells/ Gripwell
25	Bimetallic Cable Lugs	Comet/ Dowells (Biller India)/ Hax Brass (Copper Alloy India) / Jainson/ Action
26	MS /GI Cable tray, Raceways	Pilco/ BEC/ Steelways/ Legrand/ Trueleader/ LS Power control/ R.P. Control/ RMCON/ AKG
27	Programmable logic controller (PLC)	Seimens/ Allen Bradley/ L&T/ ABB

v. **MAKE/BRAND OF DG SET**

Sl. No.	Name of Items	Brands
01	Diesel operated generating engine	Cummins India/Kirloskar /Mahindra/Tata
02	Alternator	Stamford/ Lerroy Sommer/ Kirloskar Electric/ Caterpillar/ Crompton
03	DG set Canopy/Enclosure &AM F panel	As per OEM/OEA of respective DG set manufacturer or equivalent
04	Alarm Annunciator	Advani Oralikon/L&T/ Minilec

v. **MAKE/BRAND OF FIRE FIGHTING EQUIPMENT:**

Sl. No.	Name of Items	Brands
01	Forged steel fittings/ Flanges	Metline Industries, Hawa Engineers, Reliable Pipes & Tubes, Rishabh Steel, Rolex Fittings, and Real Engineering/ Johnson Industries
02	Y Type Strainer	Audco/Sant/Leader/Zoloto/ Kirloskar
03	Fire/Sprinkler pump/Terrace Fire Pump	Kirloskar/KSB/ Grundfos/Crompton
04	Electric Motor pump	KSB/Kirloskar/Crompton
05	Diesel Engine for Fire Pump	Cummins India/Ashok Layland/ KOEL/Greaves
06	Couplings (Type-Type)	Lovejoy/Fenner/ Dunlop
07	Anti Vibration Mountings	Kanwal Industries Corporation/Dunlop/ GERB/Resistoflex
08	Pressure Switch (ISI marked)	System Sensor/Infoss/Danfoss/Switzer/Honeywell& Siemens
09	Pressure Gauge (ISI Marked)	H Guru/ Fiebig/dwyer
10	Double / Single Headed Landing Valve (ISI marked)	Minimax/New Age/ Safeguard/ Lifeguard/Padmini /Omex/Andex/ Atasee/ Kalpex/Padmini
11	Male Female fire Hose Coupling (SS304) (ISI marked)	Minimax/New Age/ Safeguard/ Lifeguard/ Padmini/Omex/Andex/Atasee/ /Kalpex/Padmini
12	First Aid Hose Drum/Fire Hose Reels / Shut off Nozzle (Gunmetal / ABS) (ISI Marked)	Minimax/New Age/ Safeguard/ Lifeguard/ Eversafe/Omex/Andex/Atasee/ /Kalpex/Padmini
13	SS304/Gun metal Branch Pipe &Nozzle (ISI Maked)	Minimax/NewAge/ Safeguard/Lifeguard/ Omex/Andex/Atasee/ /Kalpex/Padmini
14	Fireman Axe	Minimax/NewAge/ Safeguard
15	Water Flow Switch (FM/UL Listed)	System Sensor/Rapid Control/Potter/Switzer
16	Rust Preventive polymeric 4mm thick tape for pipes directly buried in ground pipe protection pypko at (AW4) Wrapping (ISI Marked)	Pypcoat/Marphalt/Rustech/ Safex
17	Level Controller & Indicator (water) (ISI Marked)	Autopump/Cirrus Engineering/ Techtrol
18	Fire Brigade Inlet Connection (ISI Marked)	Minimax/NewAge/ Safeguard/ Lifeguard/ Omex/Eversafe/Kalpex/Padmini
19	Thermoplastic pipe for first Aid	New Age/ Safeguard/ Lifeguard/

	Hose Reel (ISI Marked)	Padmini/Omex/Eversafe/Atasee/Kalpex
20	Fire Sealant	Promat/Birla3M/ Hilti
21	Overload Relays	Schneider Electric/L&T/Seimens/ C&S/ABB/Havells
22	power/Aux. contactor3/4 pole	Schneider Electric/Legrand/Hager/L&T/ ABB/Seimens/ C&S/BCH/Havells/HPL
23	LED type indicating lamp/Push Button	Schneider Electric/L&T/Seimens/ C&S/ABB
24	LT jointing kit / Termination	Reychem/Denson/CapSeal/Safekei/ 3M
25	RRL Hosepipe (ISI Marked)	NewAge/Safeguard/Lifeguard/ Padmini/Omex/Atasee/Kalpex
26	Dry Battery	Exide/HBL/Pulse/ Amco
27	Battery Charger	Statcon/CDC/AE/Expofyn/ thycon India
28	Air Release Valve	Rb/Tbs/Cimbrio/ Zoloto
29	Analogue/Digital Measuring Instruments (Voltmeter/ Ammeter/Energy meter/ KW/PE/ Multi-Function meter)	AE/Rishabh/L&T/C&S/ Conzerve/HPL
30	Cable glands & Lugs	Comet/Dowells/HaxBrass(copperAlloy India)/Jainson/ Action
31	Solenoid Valve/ Spray Nozzle	Perker/HD/Tyco/ Emersion
32	Sprinkler	HD/Tyco/Reliable/ Wormald/Viking/Atasee
33	Sprinkler Heads/Water Curtain Nozzle	Tyco/Viking/Omex/Newage/ Lifeguard
34	Steel Flexible Extension	Omex/Newage/Tyco/ Lifeguard
35	Vibration Eliminator	Resistoflex/DWaren /Kanwal
36	Welding Electrodes	Advani/ESAB/ L&T
37	Deluge Valve	Tyco/Viking/ HD
38	Cast Iron Valve	Kirloskar/Kartar/Kalpana/Joloto/Audco/ Advance
39	Fire extinguisher (Portable/Wheeled)	Atasee/Kalpex or equivalent
40	Rubber hose for water suction and Discharge (ISI Marked)	Padmini, Minimax/NewAge/ Ceasefire/ Padmini /Tyco/Superex

v. **MAKE/BRAND OF FIRE ALARM SYSTEM:**

Sl. No.	**Name of Items**	**Brands**
01	Addressable Manual call box	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES (Agni Suraksha)
02	Addressable type fault isolator	Johnson control/Honeywell/Siemens/Bosch/ EST(Edward)
03	Strobe lights cum hooter	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES (Agni Suraksha)
04	Addressable control modules for hooter	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES (Agni Suraksha)
05	Addressable monitor module for flow switch	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES (Agni Suraksha)
06	Addressable type fire alarm control panel	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES

		(Agni Suraksha)
07	Network repeater panel	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES (Agni Suraksha)
08	Addressable multi sensing fire detector (Combination of optical type smoke detector and ROR type heat detector)	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES (Agni Suraksha)
09	Response Indicator	Apollo/ Systemsensor/ Electroquip
10	Addressable/conventional PA System	Notifier/Johnsoncontrol/ Honeywell/ Siemens / Bosch / ASES (AgniSuraksha)
11	Fire suppression system	Notifier/ Johnsoncontrol/ Honeywell/ Siemens/ Bosch/ ASES (Agni Suraksha)/ Kalpex

Note: -

- Buyer/ estate officer shall ensure the preference and choice any brand as suggested above after award of tender.
- The contractor shall remain fully responsible for quality, warranty, and performance of materials used, irrespective of approved brand.
- In case the approved make/brand of any item is not available in the market, equivalent make/brand may be considered only after obtaining prior approval/sanction from the Competent Engineering Authority (CEA).

Appendix III

CATEGORY C- BRAND OF ITEMS TO BE USED FOR T-II & T-I QUARTERS, RECREATION HALL, JAWAN'S BARRACKS, TOWER MOCHA's, PARADE GROUND, FIRING RANGE, QUARTER GUARD ETC

v. **MAKE/BRAND OF CIVIL ITEMS:**

Sl. No.	Name of Items	Brands recommended
1.	Sanitary ware	Cera, Hindware, Parryware, Somany
2.	CP Bathroom fittings	Cera, Hindware, Parryware, Somany
3.	Flushing Cistern	Cera, Parryware, Hindware, Somany
4.	Interior paint (at least 2 coats)	Asian Paints (Tractor Emulsion or premium emulsion), Nerolac (Beauty Gold Emulsion), Indigo Bronze Series Interior Emulsion,, Burger Emulsion
5.	Exterior paint (at least 2 coats)	Asian Paints (Ace Exterior Emulsion), Berger (Weather coat smooth/ long life 10), Dulux Promise
6.	Lock/Latch	Harrison, Godrej, Link Lock
7.	Flush door shutter (decorative or non-decorative) /laminates/pre-laminate particle board & plywood	Kitply, Nation-Plywood, Mayur Ply
8.	laminated sheets	Virgo, Century, Starline
9.	SS Hardware fittngs	Harrison, Link, Ebco
10.	Water Storage Tank	Plasto (ISI Marka), Supreme (ISI Marka) , Prince (ISI Marka)
11.	Cement (OPC/PPC)	ACC, UltraTech Cement, Ambuja Cements, Shree
12.	White cement	Birla White, JK Cement, Pidilite
13.	Wall putty	Birla White, Asian Paints, JK Cement

14.	Enamel paints	Asian Paints, Berger Paints, Nerolac Paints
15.	Wall primer	Asian Paints, Berger Paints, Nerolac Paints
16.	Iron primer	Berger Paints, Asian Paints, Nerolac Paints
17.	Damp/water proof material	Dr. Fixit, CICCO, Asian Paints SmartCare
18.	Structural steel section	Tata Steel, SAIL, APL Apollo, Jindal JSW
19.	Structural steel reinforcement (saria)	Tata Steel, SAIL, APL Apollo, Jindal JSW
20.	MS pipe & fittings	TATA, SAIL, APL Apollo, Jindal JSW
21.	Roofing sheet	Tata DuraShine, Jindal JSW Shangreela or equivalent
22.	PVC/uPVC/cPVC pipes & fittings	Supreme Pipes, Astral Pipes, Finolex, Prince Pipes
23.	PVC/uPVC/cPVC adhesive	M-seal, Astral, APL Apollo, Plastochem
24.	GI pipes & fittings	Jindal JSW, Tata, APL Apollo
25.	PTMT bathroom fittings	Prayag, Vectus and Jindal JSW Plast
26.	Looking mirror/glass/ Toughened glass	Saint-Gobain, Modi Guard, ASAHI
27.	SS Kitchen sink	Parryware, Hindware, Cera
28.	Epoxy mortar	Pidilite, Sika, Astral Adhesives
29.	Dash Fastener	Bosch, Fisher, Hilti, DFL
30.	Hydraulic door closer	Hettich, Godrej, Häfele
31.	Wooden door fittings	Hettich, Godrej, Häfele
32.	SS staircase railing & accessories	Jindal JSW (304), Tata Steel , SAIL
33.	Aluminum door/window Hardware	Mangalam, Classic Hardima, Hindalco, Jindal
34.	Aluminum Section	Hindalco Industries, NALCO, Balco, Jindal
35.	Hardware fittings	Hettich, Godrej, Häfele
36.	Nut, bolts & screw	Hettich, Godrej, Häfele
37.	Ceramic Glazed/vitrified tiles	Kajaria, Somany, Nitco, Spanza, johnson (Minimum size 1 feet by 2 feet for walls and 2 feet by 2 feet for floor unless otherwise mentioned larger sizes)
38.	Cement Concrete tile	Kajaria, Somany, Nitco, Spanza, johnson
39.	Chequered tiles	Kajaria, Somany, Nitco, Spanza, johnson
40.	Paver tiles	Kajaria, Somany, Orient Bell, Nitco, Restone Industries, Spanza, johnson
41.	Clay tiles for roof	KPG Roofings, Jindal JSW Clay Roof Tiles, Tapco
42.	Tile adhesive	Pidilite Industries (Roff), Asian Paints (SmartCare), MYK LATICRETE
43.	SWR pipe & fittings	Supreme Industries, Astral Pipes, Prince Pipes, and Ashirvad Pipes
44.	Gun metal valve/ Ball valve	Zoloto, L&T Valves, Supreme Industries, Kohinoor
45.	CI double flanged sluice/non-return valve	Kirloskar Brothers Ltd. (KBL) and L&T Valves or equivalent
46.	CI Manhole cover	BIC India (Bengal Iron Corporation India) and Crescent Foundry or equivalent
47.	Fire check door	JC Fire Door, Nitsui India, Adiba, and Trio
48.	Fire check door accessories	Dorset and Godrej Security Solutions, JC Fire Door Corporation or equivalent
49.	EPDM gasket	Milan Rubber Industries, Fusion Polymers, Dirak India
50.	Adhesive tape	3M, Pidilite Industries, Tesa
51.	Gypsum ceiling board	Gyproc (by Saint-Gobain), Armstrong, Knauf,

		Boral
52.	Gypsum ceiling tiles	Gyproc (by Saint-Gobain), Armstrong, Knauf, Boral
53.	Calcium Silicate False ceiling	Ramco, Hilux, Aerolite
54.	Stoneware pipe & Gully Trap	Navneet Ceramics, Singla Stonewares, Sorkhi Industries
55.	Acoustic Panel	Armstrong, Acoustic Board India, Tranquil Global
56.	Glass reinforced concrete	Gyproc, Asian GFRC or equivalent
57.	UPVC Door/Window/ Ventilator	Fenesta, Sintex, Aparna Venster, Encraft, Aluplast, Dimex
58.	PVC door/window	Fenesta, Sintex, Aparna Venster
59.	Multigrade polycarbonate panel	LEXAN, SUNLITE, GE Plastic
60.	Hubless pipe & fittings	BIC India, Neco Industries Limited, SKF
61.	FRP door shutter & frame	Jayraj Composite Industry, Astral Windows Pvt. Ltd., Durian
62.	Super plasticizer	Pidilite, Sika, Chembond
63.	Curtain Carrier/Drapery rod	Jindal JSW, Deco Window, MAC, Vista Levlor
64.	Bio toilet	Sintex, Organica Biotech, Tiger Toilet, D-plast
65.	Bricks	1st Class bricks or equivalent
66.	Water proof cement paint	Asian Paints, Berger Paints, Nerolac Paints
67.	Wooden flooring	Action tesa A4, Pergo A4, Greenlam A4, centuryply A4
68.	AAC Block density (550–650 kg/m³)	Ultratech AAC, Siporex / Xtralite, Renacon
69.	WPC (Wood plastic composite) panel For (Wall panels, Door frames, partitions, Furniture panels, wardrobes, Louvers, Pergola, fencing, railing)	Alstone, E3 Panels, Floresta, Century WPC, Greenplast / Greenpanel
70.	RCC/Pre-cast KERB stone	UltraTech Precast, RMC Readymix Precast Units, KK Manhole & Kerb Stone, DuraCrete
71.	Speed Breaker for internal roads	Sterling Safety Systems, Alcolite, Reflecto Safety, 3M (for reflective strips)
72.	MBBR media, Diffusers for STP	XYLEM / Sanitaire, SSI Diffusers, Fine Bubble diffusers – REX Poly, Bio-Media – Wock-O-Media Dark Eye (D.S. Enterprises), Frontier
73.	Barbed wire / Concertina coil	Tata Wiron**,** Jindal Wire, Bharat Wire Mesh
74.	Modular Rainwater Filter	Kent RWH System, AquaRain Filter, Rainy Filters
75.	FENCING MATERIALS (Chain link fence etc)	Tata Wiron, Jindal Wire, Godrej Security Fencing, Bharat Wire Mesh, Birla Wire

v. **MAKE/BRAND OF ELECTRICAL ITEMS:**

Sl. No.	**Name of Items**	**Brands**
01	Fluorescent lights & fittings	Philips, Havells, Crompton, Wipro
02	LED lights	Philips, Havells, Crompton, Wipro
03	Wall bracket lights	Philips, Havells, Crompton, Wipro
04	MS conduit pipe	BEC Conduits, APL Apollo Tubes, Precision Pipes, D-plast
05	PVC conduit pipe	Supreme (Heavy Duty), Prince (Heavy Duty),

		Astral (Heavy Duty)
06	Electrical wire	Havells, Finolex, Polycab
07	Electrical armored/ unarmored Cable	Havells (Fire retardant FR), Polycab (FR), Finolex (FR), KEI (FR)
08	Modular/Non-modular switch, socket etc	Schneider Electric, Legrand, Havells, L& T, Crabtree, Anchor Roma
09	MCB/MCCB/RCCB etc	Schneider Electric, Legrand, Havells, L& T
10	Chage over switch	Schneider Electric, Legrand, Havells, L& T
11	Automatic Transfer Switch	Siemens, L&T, Schneider, Havells
12	Selector Switch & Toggle Switch	Havells, Legrand, Schneider Electric
13	Terminal block connector	Elmex, Connect well, WAGO
14	Phenolic laminated sheets /Backlite sheet	Hylem, Merino Laminates, Greenlam
15	Cat-6/Cat-6A/ Cat-7 cable, Wires & Fibre optic	D-Link, Havells or equivalent
16	Ceiling/wall Fan/Exhaust fan	Crompton, Havells, Orient, Usha
17	Air conditioning	Daikin, Voltas, LG, Mistubushi, Hitachi
18	Geyser	Jaquar, AO Smith, Havells, Bajaj
19	LED post top light/ street light	Philips, Havells, Wipro, Bajaj Electricals
20	Pressure pumps	Kirloskar, Crompton, Grundfos, Wilo CRI, Texmo
21	Submersible/Borewell pump	Kirloskar, Crompton, Grundfos, Wilo CRI, Texmo
22	Sewerage Pump	Kirloskar, Crompton, Grundfos, Wilo CRI, Texmo

v. **MAKE/BRAND OF SUB-STATION EQUIPMENT:**

Sl. No.	**Name of Items**	**Brands**
01	LT Panel / Meter panel board/Outdoor Feeder Pillar/A PFC Panels / Bus Ducts.	Larsen & Toubro (L&T), Accu-Panels Energy, Brilltech, Blue-Volt, VS Electricals, Infinite Automation, and Highvolt Tricolite Electrical Industries/ Havells/ Indoasian/ Engineers & Engineers
02	LT Panel / Meter panel board/Outdoor Feeder Phillar/ APFC Panels/Bus Ducts (PTTA Manufacturers)	SHALABH (U.K)/HPL/Expert/Zeniya/Application control
03	Air Insulated Rising Main	C&S/L&T/Schneider/Legrand
04	Sandwich type Bus Trucking	C&S/L&T/Schneider/Legrand
05	Moulded Case Circuit Breaker (MCCB) Thermal release/ Microprocessor based(Ics=Icu=100%)	Schneider Electric NSX series/ Legrand (DPX3)/ L&T(D-Sine)/ABB(TMax)/Seimens (VLseries)/ C&S(Winbreak-1/2)/Havells
06	Power/Aux.contactor3/4 pole	Schneider Electric/Legrand/Hager/L&T/Siemens/ C&S/BCH/ Havells
07	Potential transformer/Current Transformer	Automatic Electric/Gilbert & Maxwell/Matrix/ Precise/ L&T
08	LED type indicating lamp/ Push Button	Havells/Standard/Schneider Electric/L&T/Seimens/ C&S/ Indoasian
09	Overload Relays	Schneider Electric/L&T/ Seimens/ C&S/ABB/Havells

10	Conventional/Electronic Digital Meters (A/V/PF/Hz/KW/KWH)	Conzerv/L&T/Secure/ AE/ C&S/HPL
11	Timer	Schneider Electric/Legrand/Hager/L&T/ABB/ Seimens/ C&S
12	D.W. Corrugated HDPE pipe (ISI marked)	Rex/Duraplast/ Triputi/Duraline/ CPE
13	Transformer (oil/Dry type)	Crompton/ABB/Schneider/ Voltamp
14	HT panel/ Ring Main unit	Crompton/Seimens/ABB/L&T/Schneider/LS Power control/Consoul/Coronet (Coronet Engineers Pvt. Limited)
15	HT Cable (ISI marked)	CCI/KEI/Havells/Polycab/ Universal/Nicco/Paramount cables/ Gloster.
16	HT End Termination/Cable jointing Kit	Reychem/Denson/CapSeal/Safekei/ 3M
17	ACBs with Display	Schneider Electric (MasterpactNW6.0A) / Legrand (DMX3MP4)/L&T(U-Power-OMEGA) /ABB(Emax)PR122/ Seimens (3WL- ETU45B) /C&S(WinMaster2.4.1) /Havells /HPL
18	Rubber Mat	Jyoti/DeepJyoti/Premier (ISI marked)
19	Ammeter	L&T/AE/C&S/ HPL
20	Voltmeter	L&T/AE/C&S/ HPL
21	Fire Extinguishers (ISI marked)	Minimax/Safex/Lifeguard/ Kanex/ Omex/Ceasefire/ Andex/Kalpex/Atasee
22	Capacitor & Reactors/APFC Relay	Epcos/ L&T/ Ducati/ ABB/ Siemens/ Schneider/ Havells
23	XPLE insulated PVC sheathed Alum. / Copper conductor Armored/ Unarmored cable of 1.1 KV grade	Finolex /KEI/Havells/Polycab
24	Cable Glands double compression with Earthing links	Baliga lighting/Comet/Cosmos/Dowells/ Gripwell
25	Bimetallic Cable Lugs	Comet/ Dowells (Biller India)/ Hax Brass (Copper Alloy India) / Jainson/ Action.
26	MS /GI Cable tray, Raceways	Pilco/ BEC/ Steelways/ Legrand/ Trueleader/ LS Power control/ R.P. Control/ RMCON/ AKG.
27	Programmable logic controller (PLC)	Seimens/ Allen Bradley/ L&T/ ABB

v. **MAKE/BRAND OF DG SET**

Sl. No.	Name of Items	Brands
01	Diesel operated generating engine	Cummins India/Kirloskar /Mahindra/Tata
02	Alternator	Stamford/ Lerroy Sommer/ Kirloskar Electric/ Caterpillar/ Crompton
03	DG set Canopy/Enclosure &AM F panel	As per OEM/OEA of respective DG set manufacturer
04	Alarm Annunciator	Advani Oralikon/L&T/ Minilec

v. **MAKE/BRAND OF FIRE FIGHTING EQUIPMENT:**

Sl. No.	Name of Items	Brands
01	Forged steel fittings/ Flanges	Metline Industries, Hawa Engineers, Reliable Pipes & Tubes, Rishabh Steel, Rolex Fittings, and Real Engineering/ Johnson Industries
02	Y Type Strainer	Audco/Sant/Leader/Zoloto/ Kirloskar
03	Fire/Sprinkler pump/Terrace Fire Pump	Kirloskar/KSB/ Grundfos/Crompton
04	Electric Motor pump	KSB/Kirloskar/Crompton
05	Diesel Engine for Fire Pump	Cummins India/Ashok Layland/ KOEL/Greaves
06	Couplings (Type-Type)	Lovejoy/Fenner/ Dunlop
07	Anti Vibration Mountings	Kanwal Industries Corporation/Dunlop/ GERB/Resistoflex
08	Pressure Switch (ISI marked)	System Sensor/Infoss/Danfoss/Switzer/Honeywell& Siemens
09	Pressure Gauge (ISI Marked)	H Guru/ Fiebig/dwyer
10	Double / Single Headed Landing Valve (ISI marked)	Minimax/New Age/ Safeguard/ Lifeguard/ Padmini/Omex/Andex /Atasee/Kalpex/Padmini
11	Male Female fire Hose Coupling (SS304) (ISI marked)	Minimax/New Age/ Safeguard/ Lifeguard/ Padmini/Omex/Andex /Atasee//Kalpex/Padmini
12	First Aid Hose Drum/Fire Hose Reels / Shut off Nozzle (Gunmetal / ABS) (ISI Marked)	Minimax/New Age/ Safeguard/ Lifeguard/ Eversafe/Omex/Andex /Atasee//Kalpex/Padmini
13	SS304/Gun metal Branch Pipe &Nozzle (ISI Maked)	Minimax/NewAge/ Safeguard/ Lifeguard/ Omex/Andex/Atasee//Kalpex/Padmini
14	Fireman Axe	Minimax/NewAge/ Safeguard
15	Water Flow Switch (FM/UL Listed)	System Sensor/Rapid Control/Potter/Switzer
16	Rust Preventive polymeric 4mm thick tape for pipes directly buried in ground pipe protection pypko at (AW4) Wrapping (ISI Marked)	Pypcoat/Marphalt/Rustech/ Safex
17	Level Controller & Indicator (water) (ISI Marked)	Autopump/Cirrus Engineering/ Techtrol
18	Fire Brigade Inlet Connecetion (ISI Marked)	Minimax/NewAge/ Safeguard/ Lifeguard/ Omex/Eversafe /Kalpex /Padmini
19	Thermoplastic pipe for first Aid Hose Reel (ISI Marked)	New Age/ Safeguard/ Lifeguard/ Padmini/Omex/Eversafe/Atasee/Kalpex
20	Fire Sealant	Promat/Birla3M/ Hilti
21	Overload Relays	Schneider Electric/L&T/Seimens/ C&S/ABB/Havells
22	power/Aux. contactor3/4 pole	Schneider Electric/Legrand/Hager/L&T/ ABB/Seimens/ C&S/BCH/Havells/HPL

23	LED type indicating lamp/Push Button	Schneider Electric/L&T/Seimens/ C&S/ABB
24	LT jointing kit / Termination	Reychem/Denson/CapSeal/Safekei/ 3M
25	RRL Hosepipe (ISI Marked)	NewAge/Safeguard/Lifeguard/ Padmini/Omex/Atasee/Kalpex
26	Dry Battery	Exide/HBL/Pulse/ Amco
27	Battery Charger	Statcon/CDC/AE/Expofyn/ thycon India
28	Air Release Valve	Rb/Tbs/Cimbrio/ Zoloto
29	Analogue/Digital Measuring Instruments (Voltmeter/ Ammeter/Energy meter/ KW/PE/ Multi-Function meter)	AE/Rishabh/L&T/C&S/ Conzerve/HPL
30	Cable glands & Lugs	Comet/Dowells/HaxBrass(copperAlloy India)/Jainson/ Action
31	Solenoid Valve/ Spray Nozzle	Perker/HD/Tyco/ Emersion
32	Sprinkler	HD/Tyco/Reliable/ Wormald/Viking/Atasee
33	Sprinkler Heads/Water Curtain Nozzle	Tyco/Viking/Omex/Newage/ Lifeguard
34	Steel Flexible Extension	Omex/Newage/Tyco/ Lifeguard
35	Vibration Eliminator	Resistoflex/DWaren /Kanwal
36	Welding Electrodes	Advani/ESAB/ L&T
37	Deluge Valve	Tyco/Viking/ HD
38	Cast Iron Valve	Kirloskar/Kartar/Kalpana/Joloto/Audco/ Advance
39	Fire extinguisher (Portable/Wheeled)	Atasee/Kalpex or equivalent
40	Rubber hose for water suction and Discharge (ISI Marked)	Padmini, Minimax/NewAge/ Ceasefire/ Padmini /Tyco/Superex

v. **MAKE/BRAND OF FIRE ALARM SYSTEM:**

Sl. No.	**Name of Items**	**Brands**
01	Addressable Manual call box	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES (Agni Suraksha)
02	Addressable type fault isolator	Johnson control/Honeywell/Siemens/Bosch/ EST(Edward)
03	Strobe lights cum hooter	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES (Agni Suraksha)
04	Addressable control modules for hooter	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES (Agni Suraksha)
05	Addressable monitor module for flow switch	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES (Agni Suraksha)
06	Addressable type fire alarm control panel	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES (Agni Suraksha)
07	Network repeater panel	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES (Agni Suraksha)

08	Addressable multi sensing fire detector (Combination of optical type smoke detector and ROR type heat detector)	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES (Agni Suraksha)
09	Response Indicator	Apollo/ Systemsensor/ Electroquip
10	Addressable/conventional PA System	Notifier/Johnsoncontrol/ Honeywell/ Siemens / Bosch / ASES (AgniSuraksha)
11	Fire suppression system	Notifier/ Johnsoncontrol/ Honeywell/ Siemens/ Bosch/ ASES (Agni Suraksha)/ Kalpex

Note: -

- Buyer/ estate officer shall ensure the preference and choice any brand as suggested above after award of tender.
- The contractor shall remain fully responsible for quality, warranty, and performance of materials used, irrespective of approved brand.
- In case the approved make/brand of any item is not available in the market, equivalent make/brand may be considered only after obtaining prior approval/sanction from the Competent Engineering Authority (CEA).

Remarks: - If any other make is to be used, the same shall be got approved from the NIT approving Authority.

19-10-2026
VAIBHAV SRIVASTAVA
CO-ENG-SZHYD
[For and on behalf of the President of India]

[_____]
Signature of Bidder

PARTICULAR SPECIFICATIONS

GENERAL

Work under this contract shall be carried out in accordance with Specifications, drawings, General Specifications and other provisions contained in CPWD Manuals and Specifications General Rules, specifications, special conditions and all preambles in the CPWD Schedule shall be deemed to be applicable to the work under this contract, unless specifically stated otherwise in these documents and in case of any conflicting provisions in CPWD schedule and in these tender documents, the provisions in these documents shall take precedence over the aforesaid provisions in the CPWD Schedule. The term "as specified" wherever appears in the tender documents and drawings, relates to relevant particular specifications and in its absence, general specifications. Where specifications for any item of work are not given in CPWD Schedule or in these particular specifications, specifications as given in relevant Indian Standard Code of Practice shall be followed. Unit rate 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 work. Decision of the Accepting Officer as to whether any minor detail of work and/or construction is obviously and fairly intended to be included in the contract or not, shall be final, conclusive and binding.

LOCAL MATERIALS:

Irrespective of actual distance involved, local materials such as stones, aggregates,

sand, road metals etc shall conform to or superior to the specifications given here in after and to the samples kept in the office of Executing Officer. The tenderers are advised to inspect these samples. The tenderers shall be deemed to have inspected the samples and have full knowledge thereof whether they inspect them or not before quoting their tender.

SAMPLES OF MATERIALS: -

a. Specific requirements regarding dimensions, strength, weight and finishes, as per IS, CPWD Specification and the particular specifications given hereinafter vis-à-vis actual properties check, tests carried out, reference to test certificates and markings, etc based on which samples of each materials are approved as Conforming to relevant specification shall be recorded in the sample approval register.
b. The contractor shall produce samples of all materials and shall obtain approval in writing from Engineer-in-chargebefore he places bulk order for the materials for incorporation in the work. The contractor shall not procure materials unless the samples are first got approved from the Engineer-in-charge.
   Samples of approved materials shall be kept in custody of Engineer-in-Charge till completion of work.

RECORD OF MATERIALS

a. The quantity of all the proprietary materials (including materials and quantity of which cannot be checked after incorporation in the works) shall be recorded in measurement books and signed by the Contractor, the Engineer-in-Charge and Insp/SI (Civil) as a check to ensure that the required quantity has been brought at site for incorporation in the work.
b. Materials brought to site shall be stored as directed by the Engineer-in-Charge and shall be suitably marked for identification.
c. The contractor shall procure all the materials (where specific makes/manufacturer’s specified) directly from their manufacturers or from their authorised dealers only. The contractor shall ensure that the materials are brought to site in original sealed containers/packing bearing manufacturers marking except in the case of the requirement of material(s) being less than smallest packing.
d. The contractor shall produce to Engr-in-charge original printed and machine numbered purchase vouchers/invoices including manufacturer’s test certificate (where applicable) for all the materials mentioned. Copies of orders placed on the manufacturer/authorised dealers shall also be provided by the contractor to Engr-in-Charge along with above documents. Whenever procured and brought to site of work for incorporation in the work, a Xerox copy of such vouchers/invoices shall be stamped (office stamp) and defaced in ink by the Engineer-in-Charge &Insp/SI (Civil) stating verified for materials purchased and brought to the site of work for incorporation in the subject work and signed with date before allowing payment for these materials through RA Bills.

STANDARD OF WORKMANSHIP

To determine the acceptable standard of workmanship and fittings, wiring etc, the Engr-in-charge shall order the contractor to execute certain typical portion of work (different trades) and services sufficiently in advance of other work. These shall be executed and completed under the close supervision of the Engineer-in-charge and Insp/SI(Civil).
On approval by the Engineer-in-charge of such items, these items shall signed and/or

suitably identified by the Engineer-in-charge and labeled as guiding samples. The record of such inspection and passing of each stage of these samples shall be recorded by Engineer-in-charge under his dated signatures. Work on such sample shall be progressed well ahead (minimum two stages ahead). Approved finishes/workmanship shall be followed in the work as a whole.

TESTING OF CEMENT

The Engr-in-charge shall also organize independent testing of random samples of cement (both physical and chemical properties) drawn from various lots for each consignment to cement brought out by the contractor before incorporation in the work from the National Test House, SEMT, Regional Research Laboratories, Government approved laboratories, 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.)The cement shall conform to chemical requirements and physical requirements as specified in respective IS. The tests carried out as per provisions of IS codes specified herein before shall be the criteria for acceptance of cement by Engr-in-Charge &Insp/SI(Civil). If samples from a lot/lots are not within the acceptance limits of Indian standard the lot/lots shall be rejected without any claims or compensation to the contractor for the lot/lots purchased. The contractor shall replace the lot/lots with the fresh one, which shall be tested again for acceptance. The cost of all tests carried out on cement before acceptance for incorporation in the work shall be borne by the contractor whether the results are acceptable or not.

STORAGE

Cement shall be stored 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 rooms, the stock should be at least 20cm above from floors and 60 cm away from walls in addition to precautions specified in Works Manuals. Inspections shall be carried out once a day by the Engineer-in-Charge &Insp/SI(Civil). It shall be ensured by the Engineer-in-Charge that tested and untested cement are segregated and stored separately with distinct identification. The cement go down shall be provided with two locks on each door. The key of one lock at each door shall remain with the Engineer-in-Charge or his representative and that of the other lock with the contractor's authorized representative at site of works so that cement is removed from the go down only according to daily requirement with the knowledge of both the parties.

DOCUMENTATION

The contractor shall submit original vouchers from the supplier 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 Engr-in-charge & Insp/SI(Civil)along with the relevant documents before acceptance. The original vouchers and the Test Certificates shall be defaced by the Engineer-in Charge &Insp/SI(Civil) and kept on record duly authenticated and with cross-reference to the control number in the cement Supply & Acceptance Register. The cement supply & Acceptance Register will be signed by Insp/SI(Civil), **Engineer-in-Charge and the Contractor**. The Accepting Officer may order a Board of Officers for random check of cement and verification of connected documents. The entire quantity of all types cement shall also be suitably recorded in the Measurement Book for record purpose not to be abstracted before incorporation in the work and shall be signed by the Engineer-in-Charge, Insp/SI(Civil) and the contractor.

SCHEDULING OF SUPPLY

Schedule of procurement of cement shall be finalized by the contractor with Engr-in-charge and shall be incorporated in the CPM chart so that procurement is in accordance with the progress contemplated in the CPM prepared. The complete requirement of cement shall be worked out before making any RA Bill payment and procurement of cement by the contractor shall be completed sufficiently in advance of the execution of work.

SAND(Coarse & Fine)

Sand for all concrete work shall be M-sand and /or Badarpur river sand (from near area or any other Sand) conforming to samples, complying with the requirement as specified in CPWD. Sand in the zone II grading may also be permitted provided mix design is done and the requisite strength of the concrete is achieved.

Note: Wherever M-sand has been specified in the tender documents, the Contractor shall be permitted to use Badarpur sand (from near area) at his own cost, if he so desire due to inadequate supply/non availability of M-Sand. No price adjustment shall be made on this account. Sample of sand shall however, be got approved from the **Engr-in-charge & Insp/SI(Civil)**before incorporation in the work. Other provisions in the respective clauses shall remain unchanged.

CONCRETE MIX

All mixes of concrete and mortar mentioned in this tender document shall be by volume except design mix concrete conforming to IS-456 for which all the ingredients are proportioned and mixed by weight.

WATER BOUND MACADAM (WBM)

WBM shall consist of consolidated thickness as per schedule of broken/crushed stone (granite, trap or basalt stone aggregate). Stone shall be hard and durable and shall be free from excess of flat and elongated, soft and disintegrated particles, dirt and other objectionable matter. Stone aggregate shall be grading 2 (63 to 45 mm size) as given under CPWD Specifications & Manuals. Screening shall be of red Bajri/Mooram. Unless otherwise specified, the laying, compacting and rolling etc shall be as specified in CPWD Works Manual & Specifications. Stone for WBM shall be laid out as specified in CPWD.

STEEL AND IRON WORK

General:- All items of steel which are required for the work under this contract shall be procured supplied and incorporated in the work by the contractor under his own arrangement.

Grades and Quality

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

Structural steel

(i) Structural steel wherever mentioned shall be conforming to Fe 550 Gde conforming to IS-2062.

(ii) General purpose steel wherever mentioned shall be conforming E-165(Fe-290) conforming toIS-2062.

Source of Procurement

(a) Structural Steel : The Contractor shall procure all the structural steel from the main manufacturers and shall be procured from any one of the following main producers :-

1. Rashtriya Ispat Nigam Ltd (RINL), Brand : "RINL"
2. Tata Iron & Steel Company, (TISCO or Tata Steel), Brand : "TATA"
3. Steel Authority of India Limited, (SAIL), Brand : "SAIL"
4. M/s Jindal Steels and Power, Ltd, Brand : "JINDAL"
5. M/s SRMB Srijan Ltd, Brand : "SRMB"
6. M/s Shri Bajrang Power &Ispat Ltd, Brand : "GOEL TMT"
7. M/s JSW Steel Ltd, Brand : "JSW TMT Plus"

(b) The contractor shall within 15 days of placing of work order indicate the source for procurement of steel to Engineer-in-charge in writing.

(c) However, steel sections for railing, gates, fencing, guard bars, grills steel chowkats, hold fast etc, which do not constitute structural members, can be procured from main producers/secondary producer/BIS marked manufacturers or their authorized dealers at the option of contractor

(d) The contractor shall produce original vouchers from suppliers for the total quantity of steel purchased, under each consignment and be kept on record by Engineer-in-Charge and authenticated.

Testing and Test Certificate

(a) The contractor shall produce manufacturers test certificate in original along with the test sheet giving the result of each mechanical test as applicable and the chemical composition ofthe steel supplied as specified in relevant IS Codes, duly signed by the manufacturer of their authorized dealers with each consignment.

(b) The original test certificate shall be kept on record in the office of Engineer-in-Charge(AC Engr).

(c) Independent testing of structural steel by the Engineer-in-Chargeshall be mandatory in case of procurement from secondary producers and testing charges shall be borne by the Contract or irrespective of the outcome of test results.

(d) In both the cases at sub para (c) and (d) above, the contractor at his cost shall provide all facilities required for the testing and cost consumed in tests shall be borne bythe contractor.

Minimum frequency of testing for each source and each consignment
(a) Structural Steel: -
(i) Tensile test : One sample(3 specimen) for each test for every 25 tonnes or part thereof.
(ii) Bend test : One sample(3 specimen) for each test for every 10 tonnes or part thereof.
(b) Steel for concrete reinforcement: -
(i)Bar size less than 10mm : One sample(3 specimen) for each test for every 25 tonnes or part thereof.
(ii)Bar size 10mm to 16mm (inclusive): One sample(3 specimen) for each test for every 35 tonnes or part thereof
(iii) Bar size over 16mm: One sample(3 specimen) for each test for every 45 tonnes or part thereof.
(c) Bend test and tensile test for structural steel shall be carried as per IS-226 of 1975. For high strength deformed bar tensile, bend test and rebend test shall be done as per IS-1786 of1985. For MS bars tensile and bend test shall be carried out as per IS 432 of 1982.
(d) Engineer-in-Charge has the right to get one more sample (3 specimen) tested if he is not satisfied with test result of the consignment.
(e) If the test results as per manufacturer's test certificate or of independent testing of random samples are not as per criteria laid down in the relevant BIS provisions, the entire consignment which is represented by the samples shall be rejected. Such rejected materials shall be removed and replaced by the contractor at his own cost forthwith.
(f) Cost of transportation of samples to the approved laboratory/test house and all testing charges shall be borne by the contractor.
Storage: - Steel supplied by the contractor shall be stored in accordance with the requirement of IS. Each grade and quality of steel shall be stored separately and have identification tags indicating the source, quality and grade.
Preservation and maintenance of steel :- The steel brought by the contractor shall be preserve do ensure that no rusting takes place till it is incorporated in the works.
Schedule of Supply :- The contractor shall procure the steel sections, timely as required in accordance with CPM Chart, agreed between Engr-in-charge and contractor. The contractor will forego his right to demand extension of time if the supply of steel got delayed due to his failure in placingorder in time to the manufacturer/supplier.
Payment :-. Payment shall allowed after production of test certificate and original paid/purchase vouchers by the contractor.
Measurement
(a) The entire quantity of steel brought to site shall be recorded in measurement book as" NOT TO BE ABSTRACTED" indicating the reference to manufacturers, source of supply voucher number and test certificate before incorporation in the work and shall be signed both bythe Engineer-in-Charge and the contractor. Proper documentation/record shall be maintained as per the instructions on the subject.

Normal waste and off cuts shall be stacked neatly which shall be the property of the Contractor. Contractor shall be allowed to remove such cut pieces after inspection and certifications by the Engineer-in-Charge.

Advance on account of payment made towards these cut pieces shall be recovered from advance on account of payment immediately falling due and before removal of such cut pieces from site.

Bending and fixing of bars for concrete reinforcement including mild steel wire for binding shall be carried out all as specified in CPWD.Binding wire for reinforcement shall be mild steel wire(annealed) of size not less than 0.9mm.
Steel supply/Acceptance form :- For each consignment of steel supply/acceptance form will be filled in and jointly signed by the department Rep.(Engineer-in-Charge/SI

civil/Insp Civil) and contractor and accepted/rejected by **Engineer-in-Charge** before incorporation in the works.

Steel Reinforcement :- Reinforcement shall be fabricated, placed in position all as specified in CPWD specifications.

Guard Bars/Grills:

MS Guard bars/grills wherever applicable and as indicated shall be provided to wooden/steel windows/ventilators as per details shown on drawings/schedule. Steel Guard bars/ steel grills shall be painted with 2 coats of synthetic enamel paint over a coat of primer as specified here-in-after.

Hold Fasts/Lugs: Flat iron hold fast/lugs shall be provided by welding as and where shown on drawings except those, to be provided to wooden chowkats, which shall be fixed with screws asper details shown on drawings. Hold fasts/lugs shall be embedded in PCC(1:3:6) bed blocks of size 220mmx220mmx75mm in one brick thick walls and 100mmx220mmx75mm in half brick thick walls..

FLOORING

General adopted for laying floors and pavements.

Floors shall be laid to levels and as directed by the Engineer-in-Charge.

Floor topping of cast-in-situ cement concrete shall be finished even and smooth using extracement as specified in CPWD specifications.

Pozzzolana or pozzolana slag cement shall not be used for floor topping.

Floor finish over RCC slabs shall be laid all as specified.

Sub floor may not be laid in panels. The thickness of sub base concrete shall be as indicated in schedule.

CEMENT CONCRETE FLOORS :- PCC floors shall be provided as indicated in Schedule.

VITRIFIED TILES FLOORING

Where vitrified tiles specified on Schedules provide coloured vitrified tiles of size as specified in the schedule and shall be laid and jointed pointed with white cement paste & pigment. Tiles shall confirm to IS – 15622-2006.

The tiles shall be first quality product procured from any of the manufacturers as listed in list of manufacturers

Laying jointing and finishing shall be all as per manufactures guidance/ instructions.

The colour of tiles shall be as decided by Estate Officer and Engineer-in-Charge.

KOTA STONE SLAB FLOORING

Kota stone shall be hard, durable, regular in shape, of uniform colour and free from cracks, decay and weathering. It shall be set, jointed and pointed in neat cement slurry mixed with pigment to match with the colour of stone. The slabs used in one location shall be of uniform sizeand shall be laid over cement screed as indicated. Kota stone slabs shall be machine cut and true fine cut dressing on all sides up to full depth . All angles and edges shall be true, square, free from chipping and surface shall be true and plain. The joints of the tiles shall not be more than 1mm.Laying, polishing and finishing of kota stone shall be all as specified.

GLAZED CERAMIC TILE DADO

The ceramic dado shall be provided with ceramic tiles of size as specified in BOQ and shall be glazed quality colour and/or white as indicated in BOQ and conforming to relevant IS specifications.

The tiles shall be jointed and pointed with white or coloured cement to match with the colour of tiles. The tiles shall be laid over cement mortar screed as specified in BOQ.

GRANITE FLOORING /CILL

It shall be all as described on Schedule. Granite slab shall be machine cut, pre-polished, over cement screed 15mm thick in CM 1:6 over 25mm thick PCC 1:2:4 using 12.5mm aggregate over RCCslab or as per BOQ.

WHITE MARBLE TILE: 20mm thick makrana white marble tile shall be laid over cement screed CM 1:4,15mm thick jointed with grey cement slurry mixed with pigment to match the shades of slab used as the boarder to kota slab flooring.

CERAMIC FLOOR/WALL TILES

Where Non-skid ceramic tiles specified on Schedules provide coloured non-skid ceramic tiles ofsize as specified in the schedule, as per Gde B II (a) shall be laid and jointed pointed with white cement paste & pigment. Tiles shall confirm to IS – 15622-2006.

The tiles shall be first quality product procured from any of the manufacturers as listed in list of manufacturers here-in-below.

Laying jointing and finishing shall be all as per manufactures guidance/ instructions.

The colour of ceramic tiles shall be as decided by Estate Officer and Engineer-in-Charge.

PLASTERING AND POINTING

GENERAL

Cement: Refer to specifications and list as mentioned above.

Fine aggregate for plastering and pointing work shall be river sand conform to IS 1542-1992and as specified in Clause 14.5 to 14.5.2 of SSR Part I. Sand shall be obtained from sources as approved by Engineer-in-Charge.

Particular attention of the contractor is invited to take note of local practices and the local availability of materials like bricks form work etc and cater for any extra quantities of mortar required for rendering smooth for extra dubbing required for touching up properly and for smooth and even surfaces.

This shall be deemed to have been included in the lump sum.

Plaster and skirting/dado shall be returned in jambs, soffits of lintels and windows cills etc.

All plastered surface shall be trowel led to a smooth and even surfaces, without using extra cement.

Thickness of cement plaster mentioned hereinafter shall be finished thickness exclusive of dubbing. Dubbing may however be done in one operation with plaster.

Plaster on external surface shall be carried out upto 15cm below ground level or as per BOQ except where plinth protection/ramp etcare provided.

All corners, angles, junctions and riser shall be truly vertical or horizontal as the case may be and shall be carefully finished. Corners around jabs of openings and junction of walls shall be finished straight and square. 12mmwide groove at the junction of wall and RCC slabs to the entire thickness of wall plaster shall be provided. Also trowel groove shall be provided at junction of walls and RCC columns or any other dissimilar material e.g. wooden chowkhats etc.

Plastering shall be carried out all as specified in Schedule ‘A’ .

OIL EMULSION DISTEMPER

Distemper shall be applied as specified in BoQ. Preparation of surfaces and applications of distempering shall be all as per BOQ/CPWD specifications.

Preparation of surfaces and application of interior emulsion shall be done all as per manufacturer’s instructions/ as specified in BOQ. The contractor shall give 05 years Guarantee for interior emulsion on stamp paper of value for Rs.100/-

CEMENT BASED PAINT

Cement based paint shall comply with IS 5410-1992, specification for cement paint colour as required. The material shall be in powder form, free from lumps that are not friable and when mixed with required volume of water shall be suitable for use on porous surfaces of masonry, concrete, brick sand rough plaster work. Cement base painting shall be provided where indicated in BOQ and all as specified.

WHITE/COLOUR WASHING

Lime shall be fresh burnt lime (Class ‘C’), white in colour conforming to IS-712, 1984. The samples of lime, blue, sodium chloride and gum shall be approved the Engineer-in-Charge before incorporation in work.

Workmanship shall be generally conforming to specification as described in Schedule.

SYNTHETIC ENAMEL PAINTING

The synthetic enamel paint shall be from any of the make/ brand listed in list of

manufacturers.
Preparation of surfaces and application of synthetic enamel paint shall be done through the authorized applicator of approved manufacturer all as per manufacturer's instructions/ as specified in BOQ.
The colour scheme for building shall be got approved from Estate officer in consultation of Engineer-in Charge and the contractor shall progressthe application of paint only on receipt of approval from Engineer-in-Charge.

GENERAL NOTES FOR APPLYING PUTTY, DISTEMPER, ANTIFUNGAL AND ENAMEL

PAINTING

These works shall be executed using modern technics and tools to maintain the required quality work. Following smart painting tools shall be used in site.
(a) Hand held sander / long handle sander shall be used for plaster / putty work.
(b) Multipurpose mixer shall be used for mixing putty to get a uniform mix.
(c) Auto roller and Airless spray shall be used for painting.
(d) Jet washer to be used for cleaning dirt and fungus etc from external walls.

WORKMANSHIP

All wood work required to be painted shall be smoothened sized and knotted and then applied with priming coat. Stopping and filling (filler coat) shall be done after priming coat and surface rubbed down to a level and smooth surface and thereafter under coat and finishing coat applied. Where painting to wood work is specified prepare surface and apply one priming coat of pink primer, one under coat and one finishing coat of synthetic enamel pain tall as specified in Schedule/BOQ.

GALVANIZED SHEET

Galvanized steel sheet, plain or corrugated shall comply with the requirement of IS 277-2003, Specification for galvanized steel sheets, plain or corrugated. The thickness sheet shall be 0.63mm and Grade of coating shall be 275 or as per BOQ
Plain sheets shall be reasonably flat and free from twist. Corrugated sheet shall be free from twistor buckle and shall have uniform corrugation, true in depth and pitch, and parallel to the sides of the sheets. The tolerance on weight of an individual sheet shall be ±10% and tolerance on bundle of sheet shall be ± 5%.

GALVALUME SHEETING:-

Galvalume sheet shall be colour coated corrugated / plain sheeting as per requirement and as directed. The feed material is manufactured out of steel with minimum 550 MPa yield strength coatedwith hot-dip metallic zinc aluminum alloy coating zincalume AZ-150 or equivalent (as per AS 1397). AS150 Gms/sqm total on both sides of Zn (43.5%), Al (55%) & Si (1.5%) with Regular silicon modified(SMP) polyester paint or equivalent as per AS/NZS-2728-(category 3-4) of approved colour. The colour shall have a total coating thickness of 35 microns of approved paint system or equivalent comprising of20 microns (nom) exterior coat on top surface and 5 microns(nom) reverse coat of back surface over 5micron (nom) primer coat on both surfaces of approved colour shade.
The sheet shall have brand marking of the manufacturer on the back of the sheet at spacingnotexc 1.5 m c/c confirming to genuinity of the material. The sheet shall be fastened with good quality fastener of suitable size as directed by Engineer –in-Charge/SI/Insp/Civil, galvanized water head, self-drilling, tapping screw as per AS 3566 class 4 (min) of approved make (Buildex, Corroshield or equivalent) and quality including EPDM/neoprene washer on each crest of sheets for connecting with purloins or as per design. All accessories shall be made from the same material which is used for main roofing/ wall cladding application.

INTERLOCKING PAVER BLOCK

Precast interlocking paver blocks shall be M 40/M-35 grade for 60/80mm thick and shall be laid over 30mm thick cushioning using 6mm and below aggregate or as per BOQ. The paver blocks shall be ISI marked having Glossy Finish. Paver blocks shall be sound and free from cracks or other defects. The tolerance in thickness shall be +3mm. Water absorption shall not be more than 6% by mass. Size, shape,pattern and colour shall be

as approved Estate Officer in consultation with Engineer-in-Charge.

PRECAST PCC SOLID BLOCKS FOR MASONRY

SOLID PCC BLOCKS : PCC solid block masonry shall conform to the specifications as per IS2185 -2005.

The blocks shall have a minimum average Compressive strength of 5 N/ Sq mm (Minimum strength of individual unit 4 N/ Sq mm) conforming to C-5 grade IS 2185 - 2005 when tested for 28 days cube test. The manufacture of Block, surface texture and finish, physical requirements of blocks, testing of PCC blocks, sampling etc shall be all as per IS 2185-2005 and proper record shall be maintained. The cost of blocks including transportation of block from work site to an approved laboratory for testing and cost of testing shall be borne by the contractor.

Notes:-

(i) Trial mix shall be carried out before casting the blocks to ensure that the required strength and block density is obtained as per IS.

(ii) Proper care shall be taken to protect the corners of PCC blocks. To achieve better consistency, contractor may use suitable plasticizers as approved by the Engineer-in-Charge without any price adjustment.

Masonry work shall be kept constantly moist for a minimum of 7 days. All concrete shall be mixed in mechanical mixer. The blocks shall be manufactured with vibratory moulding machines.. However, contractor may use machine moulds of other standard manufacturers if approved by Engineer-in-Charge. Appropriate consistency of concrete shall be used to enable de- moulding of the blocks immediately after casting. The blocks shallhave sufficiently rough surface to afford a good key to the plaster and joints. The hardened blocks shall be cured in a water tank in curing yard and shall be kept continuously moist for 14 days. The curing water tank/yard must therefore be of adequate capacity/size. Curing shall be done as per IS –2185.

After curing, the blocks shall be dried for a period of 4 weeks before being used in the work. The blocks shall be allowed to complete their initial shrinkage before they are laid in wall.

Chain Link Fencing :-Mild steel galvanized chain link fencing with mesh of size 50mm x50mm nominal dia of wire 3.10mm fixed to fencing posts sing suitable bolts and nuts.

HARD CORE

The materials for hard core shall be of broken granite stone to a gauge not exceeding 63mm and shall be free from dust and impurities.

Hard core shall be of stones/ boulders (Broken to gauge) not exceeding 63mm. Hard core shall be deposited spread and leveled in layers not exceeding 15cm thick and well watered, rammed to a true surface and compacted. The thickness of the hard core specified or as indicated in the drawings is the thickness after consolidation, where thickness had not indicated, it shall be 100 mm (consolidated thickness).

FORM WORK- As per CPWD Specifications.

GENERAL

(a) The work under these specifications consists of furnishing all labour, equipments and materials required for form work including all supporting structure for all works of cast in situ concrete as required by drawing and specification of contract.

(b) The contractor shall submit Form and Centering layout to SI/Insp Civil for checking and final approval by Engineer-in-charge and Estate officer. The complete final approval of the plan will be obtained by the contractor before such work is started on ground. The procedure of erection and removal of forms will be decided at this stage itself. These approvals shall not relive the contractor of any responsibility for correct and complete performance of all works included in the contract. The design and engineering of the formwork as well as its construction shall be the responsibility of the contractor.

ELECTRIFICATION

General-The scope of work consists of providing internal electric wiring to the buildings and connected other works as described in BOQ and as specified/Shown on drawings.

The general layout of wiring points and fittings are as directed by the Engineer in

charge.
All electrical fittings and wiring must run clear of door, windows and openings No diagonal run shall be allowed. These must always be parallel or perpendicular to the ground.
The specification and general rules/conditions laid down in the CPWD Schedule(E&M) and CPWD Specifications will be generally applicable to the whole work unless otherwise specified hereinafter.
The work shall be carried out in strict compliance with the latest edition of Indian Electricity Act the Indian Electricity Rules and IEE Regulations and the latest edition of IS732. It shall be of high standard and approved construction used in a modern electrical work both as regards design and workmanship. Complete work shall be suitable in every respect of type of voltage specified and shall beto the satisfaction of Engineer-in-Charge.

WORKMANSHIP

The execution of electrical & mechanical works shall be mandatorily carried out only by licensed person under the supervision of contractor or representative of contractor. License of concerned person shall be produced for inspection, if asked by the Engineer-in-Charge.
Passing of cables through walls floors etc shall be protected.

SAMPLES

Before starting the work, the contractor shall produce samples of all materials including accessories and got approved by the Engineer-in-Charge. Samples that are approved will be retained by Engineer-in-Charge until the work is completed and accepted. The contractor will not be allowed to commence the work before the samples are produced and approved. The contractor shall ensure that the materials used in the work are identical with approved samples and are uniform through out. All materials shall be accordance with latest edition of the IS/BS specification and shall be of the best indigenous make approved by the Engineer-in-charge.

MATERIALS :All materials shall be accordance with latest edition of the relevant IS/BS specification and shall be of indigenous make approved by **Engineer-in-Charge**.

CABLES: Cables shall be single core PVC insulated and PVC sheathed/unsheathed (all as described in BOQ). All cables shall be 1100 volts grade for point wiring and shall be of such size as to be capable to carrying the maximum current which will normally flow through them without the respective rating being exceeded as laid down in IEE Regulations.
Cables shall be delivered a site in makers wrappers etc, with the seal intact and shall not be installed unless approved by **Engineer-in-charge**. If cables of size as specified in BOQ as per relevant IS are not available, cables of equivalent size with identical current carrying capacity and with multi-stands shall be got approved from accepting office before incorporation works without extra cost to Govt.

MS PRESSED STEEL TERMINAL BOXES

Mild steel pressed terminal boxes shall be made out of 2 thick MS sheet of suitable size. The boxes shall be embedded in the walls with cement mortar (1:2) clear depth of the box shall be not less than 60mm and this shall be increased suitability to accommodate mounting of fan regulators. The box shall be painted with one coat of red oxide primer.

LAMINATED SHEET

Laminated sheet shall be 3mm thick fixed in MS pressed steel terminal boxes by cadmium plated iron screws

CIRCUITS

Separate circuits shall be provided for lighting and power wiring.
Lighting sub circuits shall not be loaded with more than 8 light points.

CONDUIT AND CONDUIT ACCESSORIES: All conduits, conduit fittings and accessories shallbe rigid PVC conduit and fittings conforming to IS-9537 Part III of 1983 of (Medium grade).

CEILING ROSES: Ceiling roses shall be ISI marked.
SOCKET OUTLETS: These shall be ISI marked.
MINIATURE CIRCUIT BREAKERS AND DISTRIBUTION BOARDS
MCB shall be of approved make and shall be obtained form any one of the manufacturers listed above.
The unused portion of DBs are to be blocked by the blank piece.
FAN REGULATOR: Fixing of fan regulator and hanging ceiling. All ceiling fans and regulators shall be earthed effectively by means of 2mm bare GI iron conductors. Cost of this earthing to fans and regulators shall be deemed to be included in the rate for point wiring for fans.
EARTHING : Earthing shall be carried out as specified in BOQ. Earthing shall be with earth plate electrode as mentioned in BOQ buried directly in ground (earth pit) not less than 2.25m deep below ground level connected to galvanized earth top edge of the plate not less than 1.5m below ground level connected to earth strip as mentioned in BOQ by means of bolt nut and washers of galvanized ironor steel, and protected by GI pipe light grade of suitable size. Excavation and earth work shall be in soft/loose soil. All surplus soil to be removed to a distance not exceeding 50m. Cement concrete for PCC chamber , cover slab, reinforcement etc shall be as per BOQ. The unit rate of relevant item of BOQ including the cost of earth work, PCC Chamber, RCC cover, testing etc complete.
LED LIGHT FITTING: These shall be all as specified in BOQ and shall be obtained from any ofthe manufacturer listed here in after and shall be fixed to walls/roofs etc with proper size of
clamps/screws and connecting cables etc complete.
PAINTING: Unless otherwise specified all exposed surface of steel works like terminal boxes LT panel board MS clamps etc shall be painted with 2 coats of synthetic enamel paint over a coat of red-oxide primer. Metallic suspenders of tube light fittings shall be black painted.
SYSTEM OF WIRING: Wiring shall be carried out with PVC insulated cable and shall run as far as possible on walls, ceilings so as to be easily accessible and capable of being inspected. Power wiring shall be kept apart at minimum distance of 2 run unless they are enclosed in earthed metal conduit suitably marked to indicate the risk of dangerous shock due to voltage in the conductor.
CONCEALED WIRING: Provide concealed wiring all as described in BOQ. PVC conduit shall be rigid PVC conforming to relevant IS. The make of PVC conduit as mentioned above. PVC conduit shall be adequate size to draw required for cables.
TESTING
On completion of the work, the entire electrical installation including energy meter shall be tested by the contractor for the necessary following tests in the presence of and to the satisfaction of Engineer-in-Charge :-
(a) Continuity
(b) Insulation resistance
(c) Any other test prescribed by the Engineer-in-Charge
.All testing equipment/apparatus, material, labour etc required for above tests shall be provided by the contractor at his own expenses through his sources, works for which test results do not conform to standard will be redone by the contractor at his own expenses.
RECORD DRAWINGS: On completion of work, wiring diagram showing the internal electrification
(including high frequency supply) and layout of the buildings shall be prepared by the contractor at his own expenses through his sources and submitted to Engineer-in-Charge in triplicate.
SUB MAIN WIRING
CABLES:- Cables shall be single core PVC insulated and PVC sheathed/unsheathed(all as described in BOQ' with multi stranded copper conductor conforming to specifications. All cables shall be 1100 volts grade for point wiring and shall be of such size as to be

capable to carrying the maximum current which will normally flow through them without the respective rating being exceeded as laid down in IEE Regulations. Cables shall be delivered at site in makers wrappers etc, with the seal intact and shall not be installed unless approved by the Engineer-in-charge.

CONDUIT WIRING: Provide PVC conduit wiring all as described in BOQ. PVC conduit shall be rigid medium grade PVC conforming to relevant IS. The make of PVC conduit shall be as specified inhere-in-after . PVC conduit shall be of adequate size to draw required No of cables.

System of wiring: Wiring shall be carried out with PVC insulated cable and shall run as far as possible on walls, ceiling so as to be easily accessible and capable of being inspected. Power wiring shall be kept apart at minimum distance of 2mm unless they are enclosed in earthed metal conduit suitably marked to indicate the risk of dangerous shock due to voltage in conductor.

DISMANTLING/ DEMOLITION/ TAKING DOWN: The work of dismantling/ demolition/ taking down shall be done carefully and in a workman like manner. Any damage done by contractor or his workmen to existing sanitary fittings/ water supply fittings/ electrical fittings etc in the building while working shall be made good by him at his own expense. All the materials retrieved from demolition/ dismantling/ taking down shall become the Government property except those listed in Credit Schedule. The rates inserted by the CPWD or quoted by the contractor (whichever is more) shall be deemed to include removal or disposal of all waste materials from site of work and site shall be left clean and tidy to the entire satisfaction of Engineer-in-Charge.

SITE CLEARANCE

The contractor shall from time to time, clear away all debris and excess materials accumulated at the site. After the fixtures, etc have been fixed, contractor shall clean-up the same and remove all paints, strains and other foreign matter or discoloration leaving the same in a ready to use condition. On completion of all works, contractor shall demolish all stores, remove all surplus materials and leave the site in a broom clean condition.

SETUP OF FIELD SAMPLE TEST LABORATORY:- Contractor will setup a laboratory at site for testing of sample i.e. cube testing, Sand test, gravel testing, cement testing, sieve analysis, CBR test, Compressive strength machine, Los angles abrasion, Slump test, Silt test of sand etc.

ACCEPTABLE MAKES OF VARIOUS EQUIPMENTS/MATERIALS:-

The acceptable makes of various equipment/components/accessories/materials have been indicated in “Acceptable Makes” appended with the tender documents. The tenderer shall work out the cost of the offer on this basis. Alternate makes are not acceptable.

19-10-2026
VAIBHAV SRIVASTAVA
CO-ENG-SZHYD
[For and on behalf of the President of India]

[_____]
Signature of Bidder
(with seal)

Annexure-I

SCHEDULE OF QUANTITY

Tender Enquiry No. :- B.V-4/2026-27-SZ-Works (GC AVD) Minor Work T/028						
Name of Work: Comprehensive, maintenance and pathway repairing and painting of 1900 KLD sewage treatment plant (STP) at GC, CRPF, Avadi.						
Location of Work: - GC CRPF Avadi Chennai -600065						
S/N.	**DSR/ NSR items**	**Item / Description**	**Quantity**	**Unit**	**Rate (Including GST correction factor, Labour Cess, CP&OH, Cost index etc. wherever applicable)**	**Amount**
1	**NSR**	**Operation of 1900 KLD capacity STP in day and night shifts ensuring effective operation of the entire plant as well as periodical maintenance / teritary treatment system of plant and its electro mechanical equipment as per operation and maintenance manual booklet of the said plant .Overall objectives of the plant required to be fullfilled in AMC such as screening of raw sewage to remove the large, floating matter or debris. Homogenization of screened sewage to even out the variations**				

		in the flow and pollutant concentrations if any. single stage aerobic biological treatment to oxidize (treat) the majority of organics contributing to BOD/COD. Teritary treatment , comprising of disinfection , and subsequent filtration to remove the residual suspended solids, organic traces and odour. dewatering and drying of the sludge prior to disposal as well as trouble shooting procedures etc. complete in all respect.				
1.1	**NSR**	**3 Nos semi-skilled operators for one day @ one per shift of 08hrs for running operations maintenance. for 365 days (Detail Calculation = 3 x 365 days x 1137.35 = 14,69,569.94)**	**365.00**	**Day**	**1342.07**	**1469569.94**
2	**NSR**	**For Bacteria Development {Gur (Jaggery) and Aata etc} @2.1 Kg/Day**	**766.00**	**kg**	**48.38**	**37059.08**
3	**NSR**	**Bio Culture for STP**	**10.00**	**kg**	**537.50**	**5375.00**
4	**NSR**	**Sample collection & Lab report for quarterly (from accredited lab) submission**	**4.00**	**Nos.**	**5000.00**	**20000.00**
5	**NSR**	**Raw Sewage Transfer Pump. (10 H.P) i) Motor coil rewinding replacement of bearing mechanical seal and service charge**	**2.00**	**Nos.**	**19397.00**	**38794.00**
6	**NSR**	**Clarifier Drive Motor (2 H.P) i) Motor coil rewinding ii) Replacement of bearing and service charge iii) Replacement of Belt**	**1.00**	**Nos.**	**5757.00**	**5757.00**
7	**NSR**	**Thickener Drive Motor (5H.P) i) Motor coil rewinding ii) Replacement of bearing and service charge**	**2.00**	**Nos.**	**9731.00**	**19462.00**
8	**NSR**	**Sludge Pump (3 H.P)) Repairing ,Servicing, Coil Binding, Bal Bearing Changes**	**2.00**	**Nos.**	**7127.00**	**14254.00**
9	**NSR**	**Excess Sludge Pump (5 H.P) i) Repairing ,Servicing , Bal Bearing Changes**	**1.00**	**Nos.**	**9731.00**	**9731.00**

10	NSR	Dosing Pump Servicing (0.5 H.P)	2.00	Nos.	2741.00	5482.00
11	NSR	Electrical LT Panel i) Electrical panel rectification work including all Accessories	1.00	Nos.	21963.00	21963.00
12	NSR	Providing and fixing 4" CI butter fly Valve	10.00	Nos.	5482.00	54820.00
13	NSR	Providing and fixing SS Grill with Mesh for Screening purpose	40.50	sqft	1234.00	49977.00
14	NSR	Providing and fixing 4" Heavy Duty Suction Hose Pipe	10.00	mtr	699.00	6990.00
15	NSR	Hydra charge for lifting and lowering of Hose Pipe with 10 HP Pump from collection tank and 2 Nos 10 H.P raw sewage pump from Equlisation Tank	2.00	job(LS)	10000.00	20000.00
16	NSR	Providing and fixing 4" CPVC Ball Valve	2.00	Nos	7195.00	14390.00
17	NSR	providing and fixing 4" CPVC pipe	3.00	mtr	1302.00	3906.00
18	GeM	Providing & utilising of Sodium Hypochlorite Grade 1 as disinfectant for water treatment .consumption /Day :- 5.7Kg @ 3ppm, per month - 171 kg, for 12 month - 2052 kg(As per data given in O&M manual submitted by CPWD for the subject plant, copy of the same enclosed).	2052.00	litre	34.99	71799.48
19	4.1.5	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). (DSR-2023 item code no 4.1.5) for approach path way in STP	22.50	cum	7627.94	171628.75
20	13.99.1	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : One or more coats on old work. (DSR-2023 item code no 13.99.1)	309.47	sqm	107.50	33266.86

21	**13.88**	**Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete (Item Code no-13.88)**	**309.47**	**sqm**	**20.65**	**6391.25**
22	**4.3.1**	**Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns. (Item Code no-4.3.1)**	**25.00**	**sqm**	**410.06**	**10251.62**
23	**10.2**	**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. (Item Code no-10.2)**	**98.25**	**kg**	**139.81**	**13736.12**
					Total	**21,04,604.09**
					Say	**21,04,604.00**

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 O/O* ***THE DIGP, GC, CRPF, Avadi.***

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.*

19-10-2026
VAIBHAV SRIVASTAVA
CO-ENG-SZHYD
[For and on behalf of the President of India]

[_____]
Signature of Bidder
(with seal)

Annexure-J

SCHEDULE OF CREDIT ITEMS

Tender Enquiry No. :- B.V-4/2026-27-SZ-Works (GC AVD) Minor Work T/028					
Location of Work: - GC CRPF Avadi Chennai -600065.					
Name of Work: Comprehensive, maintenance and pathway repairing and painting of 1900 KLD sewage treatment plant (STP) at GC CRPF Avadi.					
S/N.	**Item / Description**	**Qty.**	**Unit**	**RATE** (assessed by department)	**AMOUNT** (assessed by department)
NIL					

Notes:-

1. The quantities inserted above column are provisional.
2. The material mentioned in credit schedule shall be measured net.
3. Materials other than those listed in schedule of credit obtained from demolition/dismantling shall be the Government property and shall be deposited in CRPF Stores yard all as directed by Engineer-in-Charge.
4. The contractor shall be responsible to remove both serviceable & unserviceable materials from the site and leave the site neat and tidy on or before the certified date of completion.
5. The recovery on account of materials listed in schedule of credit shall be made immediately from payment due to contractor irrespective of the fact that these have been removed from site or not. However, materials listed in schedule of credit shall be removed from site only after written permission of Engineer-in-Charge and after recovery is affected from his payment.
6. The contractor shall have no claim whatsoever on account of quality and quantity of retrieved materials becoming his property.
7. Govt. does not guarantee the quality of retrieved materials. The contractor is advised to verify at the site, the quality of item for which credit is to be recovered from his payments. The contractor shall not have any claim whatsoever on this account.

19-10-2026
VAIBHAV SRIVASTAVA
CO-ENG-SZHYD
[For and on behalf of the President of India]

[_____]
Signature of Bidder
(with seal)

Annexure-K

PROFORMA FOR QUOTING THE RATES

Tender Inviting Authority: Commandant Engineer, South Zone,					
Contract No. :- B.V-4/2026-27-SZ-Works (GC AVD) Minor Work T/028					
Name of Work: Comprehensive, maintenance and pathway repairing and painting of 1900 KLD sewage treatment plant (STP) at GC CRPF Avadi.					
S/N.	**Name of component (Composite Tender)**	**Qty.**	**Unit**	**ESTIMATED RATE IN RS. P**	**TOTAL AMOUNT WITH**

					TAXES IN RS. P
1	**The details of the items, specifications and quantities are as indicated in Annexure-I, J and K of the NIT.**				
1.1	**STP Work**	1	Job	21,04,604.00	21,04,604.00
Total in Figures					21,04,604.00
Quoted Rate in figures			Select	Percentage above /below or at par the Estimated Cost	0.00
Quoted Rate in words		INR Zero Only			

IMPORTANT NOTES:

1. The **Estimated Cost Put to Tender (ECPT)** has been worked out by adopting the available **Market** rates, as provided by GC CRPF Bengaluru.

2. The bidder shall quote **only percentage rate** (Above/Below/At Par) on the **Estimated Cost Put to Tender (ECPT)** to cover all items included in the Schedule of Quantities (SOQ). The percentage quoted shall be uniformly applicable to all scheduled items covered under the respective DSRs.

3. The quoted percentage shall be entered **only in figures up to two decimal places** along with the appropriate algebraic sign (+/-). The bidder shall ensure that **macros are enabled** in the BOQ before entering the percentage so that the quoted percentage and corresponding amount are correctly displayed in words.

4. If the quoted percentage is not entered in the prescribed format, is ambiguous or illegible, or if the bidder quotes item-wise rates instead of a single percentage rate, the bid shall be treated as **invalid**.

5. The **Lowest Bidder (L-1)** shall be determined on the basis of the **overall percentage quoted on the total Estimated Cost Put to Tender (ECPT)** and not on item-wise or category-wise rates.

A. DSR-2023 (Civil) Items

The rates for Civil items covered under **DSR-2023** shall be derived by applying the prescribed **GST correction factor of 0.973** to the relevant DSR-2023 rates and updating the same with the **latest applicable CPWD Cost Index**. The accepted percentage quoted by the contractor shall be uniformly applicable to all such items.

B. DSR-2025 (Electrical & Mechanical) Items

The rates for Electrical & Mechanical items covered under **DSR-2025 (E&M)** shall be derived by updating the relevant DSR-2025 (E&M) rates with the **latest applicable CPWD Cost Index**. The accepted percentage quoted by the contractor shall be uniformly applicable to all such items.

C. Non-Schedule/Market Rate (NSR/MR) Items

Rates for Civil and Electrical items not covered under the relevant DSRs shall be determined in accordance with **Clause 12.2 of GCC-2023 for Maintenance Works**, including amendments issued from time to time, and shall be subject to the approval of the **Engineer-in-Charge**.

6. The quoted rates shall be **inclusive of GST** and all applicable taxes, duties, levies, cess, royalties, loading/unloading, transportation, labour, materials, tools & plants, consumables, overheads, contractor's profit and all incidental expenses required for proper execution and completion of the work. However, the quoted rates shall be **exclusive of the employer's share of EPF and ESI contributions**, wherever applicable.

7. The contractor shall deposit both the employee's and employer's share of **EPF and ESI** with the respective statutory authorities within the prescribed time limits. The employer's share of EPF and ESI actually deposited by the contractor shall be reimbursed separately by the Department on submission of documentary proof and after due verification by the **Engineer-in-Charge**, subject to the provisions of the contract.

8. The quantities indicated in the Schedule of Quantities are **tentative** and may increase or decrease depending upon actual site requirements. Payment shall be made only for the **actual quantities of work executed and measured at site** in accordance with the terms and conditions of the contract.

9. In case of any inconsistency between these conditions and the provisions of the **CPWD General Conditions of Contract (GCC)-2023 for Maintenance Works**, including amendments issued from time to time, the provisions of the **GCC** shall prevail

19-10-2026
VAIBHAV SRIVASTAVA
CO-ENG-SZHYD
[For and on behalf of the President of India]

[_____]
Signature of Bidder
(with seal)

Appendix-'A'

INTEGRITY PACT

To,

Commandant (Engineer)
Contract Cell, SZ HQr, CRPF,
Hyderabad (Telangana),
Pin no- 500005.

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

Dear Sir,

I/We acknowledge that 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 is 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 Comdt. Engr. SZ Zone, Hyderabad, (Name of Division) (Hereinafter referred as the (Address of Division)

"Principal/Owner", which expression shall unless repugnant to the meaning or context thereof include its success or sand permitted assigns)

AND

(Name and Address of the Individual/ firm/ Company) through..... (Hereinafter 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 (here in after referred to as “Tender/ Bid”) and intends to award, under laid down organizational procedure, contract for **Comprehensive, maintenance and pathway repairing and painting of 1900 KLD sewage treatment plant (STP) at GC, at GC CRPF Avadi..** Here in after referred to as the “Contract”.

ANDWHEREAS 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).

ANDWHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred t-o 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 here by agree as follows and this Pact witnesses as under:

Article1: Commitment of the Principal/Owner

The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:

No employee of the Principal/Owner, personally or through any of his/ her family members, will in connection with the Tender or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the Tender processor the Contract execution.

The Principal/Owner shall endeavour to exclude from the Tender process any person, whose conduct in the past has been of biased nature.

If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/ Prevention of Corruption Act,1988 (PC Act) or is in violation of the principles here in mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article2: Commitment of the Bidder(s)/ Contractor(s)

It is required that each Bidder/ Contractor (including their respective officers, employees and agents) adhere to the high esthetical standards, and report to the Government/ Department all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.

The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:

The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/ Owner’s employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.

The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non- submission of bids or any other actions to restrict

competitive or to cartelize in the bidding process. Competitiveness or to cartelize in the bidding process.

The Bidder(s)/ Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/ Contract(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/ Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

The Bidder(s)/ Contractor(s) of foreign origin shall disclose the names and addresses of agents/ representatives in India, if any. Similarly, Bidder(s)/ Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/ representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participates in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/ parallel tender for the same item.

The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.

The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice means a willful misrepresentation or omission of facts or submission of fake/ forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/ or to influence the procurement process to the detriment of the Government interests.

The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may be fall upon a person his/ her reputation or property to influence their participation in the tendering process).

Article 3: Consequences of Breach

Without prejudice to any rights that may be available to the Principal/ Owner under law or the Contractor its established policies and laid down procedures, the Principal/ Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/ Contractor(s) and the Bidder/ Contractor accepts and undertakes to respect and uphold the Principal/ Owner’s absolute right:

If the Bidder(s)/ Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/ Owner after giving14 days’ notice to the contractor shall have powers to disqualify the Bidder(s)/ Contractor(s) from the Tender process or terminate/ determine the Contract, if already executed or exclude the Bidder/ Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/ Owner. Such exclusion may be forever or for a limited period as decided by the Principal/Owner.

2. Forfeiture of EMD/ Performance Guarantee/ Security Deposit: If the Principal/ Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contractor terminated/ determined the Contractor has accrued the right to terminate/ determine the Contract according to Article3(1), the Principal/ Owner apart from exercising any legal rights that may have accrued to the Principal / Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/ Contractor.

Criminal Liability: If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article 4: Previous Transgression

The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.

If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.

If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors
The Bidder(s)/Contractor(s) undertake(s) to demand from all sub-contractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Subcontractors/sub-vendors.
The Principal/Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.
The Principal/Owner will disqualify Bidders, who do not submit, the duly Signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.
Article 6-Duration of the Pact
This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 30 Days after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded
If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, CRPF.
Article 7-Other Provisions
This Pact is subject to Indian Law, place of performance and Jurisdiction is the Headquarters of the Division of the Principal/Owner, who has floated the Tender.
Changes and supplements need to be made in writing. Side agreements have not been made.
If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
Should one or several provisions of this Pact turnout to be in valid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intensions.
It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this Integrity Agreement/ Pact or interpretation thereof shall not be subject to arbitration.
Article 8-LEGAL AND PRIOR RIGHTS
All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contract documents with regard any of the provisions covered under this Integrity Pact.
IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

(For and on behalf of Principal/ Owner)
Place: (For and on behalf of Bidder/ Contractor)
Dated:

WITNESSES:
1..... (signature, name and address)
2.....
(signature, name and address)

Appendix-'B'

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FORM OF BANK GUARANTEE FOR EARNEST MONEY DEPOSIT / PERFORMANCE GUARANTEE / SECURITY DEPOSIT

(Guarantee offered by Bank to CRPF in connection with the execution of contracts)
{ON NON-JUDICIAL STAMP PAPER OF MINIMUM RS. 100 DULY NOTARIZED}

To

The President of India,

_____

_____

Whereas the **Commandant (Engineer), South Zone CRPF** on behalf of the President of India (hereinafter called "The Government") has invited bids under .....Enquiry no..... dated **...-...-2026** for the work of ..... at ..... . The Government has further agreed to accept irrevocable Bank Guarantee for **Rs. .....** (Rupees ..... only) valid upto **..../.../20....*** as **EARNEST MONEY DEPOSIT** from **M/S** ..... (name and address of contractor) (hereinafter called "the contractor") for compliance of his obligations in accordance with the terms and conditions of the said NIT.

OR**

Whereas the **Commandant (Engineer), South Zone CRPF** on behalf of the President of India (hereinafter called "The Government") has entered into an agreement bearing number ..... Date **..../..../20...** with

M/S..... (name and address of the contractor) (hereinafter called "the Contractor") for execution of the work of ..... at ..... . The Government has further agreed to accept an irrevocable Bank Guarantee for **Rs. .....** (Rupees ..... only) valid **upto ..../..../20...*** as **PERFORMANCE GUARANTEE / SECURITY DEPOSIT** from the said Contractor for compliance of his obligations in accordance with the terms and conditions of the agreement.

2. We, ... (indicate the name of the bank) (herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs. ..... (Rupees..... only) on demand by the Government within 10 days of the demand.

3. We, ... (indicate the name of the bank), do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. ..... (Rupees.....only).

4. We, ... (indicate the name of the bank), further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending On non-judicial stamp paper of minimum Rs. 100 before any Court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.

5. We, ... (indicate the name of the bank), further agree that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said Contractor or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. We, ... (indicate the name of the bank), further agree that the Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.

7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.

8. We, ... (indicate the name of the bank), undertake not to revoke this guarantee except with the consent of the Government in writing.

9. This Bank Guarantee shall be valid**up to ...../...../20....** unless extended on demand by the Government.

"Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. ..... (Rupees..... only) and unless a claim in writing is lodged with us within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged."

Date ..../..../20....

Witnesses

1. **Signature**.....
Name and address :-.....
.....

2. **Signature** .....
Name and address:-.....
.....

Authorized Signatory :- .....
Name :-.....
Designation :-.....
Staff code no. :-.....

Bank seal

*Date to be worked out on the basis of validity period of 90 days where only financial bids are invited and 180 days for two/three bid system from the date of submission of tender.

**In paragraph 1, strike out the portion not applicable. Bank Guarantee will be made either for earnest money or for performance guarantee/security deposit/mobilization advance/Refund of mile stone withheld amount, as the case may be.

Appendix-'C'

TENDER ACCEPTANCE LETTER

(To be given on Company Letter Head)

Firm letter No. ..... Date :- ___/___/20___

To

Commandant (Engineer)
Contract Cell, SZ HQr, CRPF,
Hyderabad (Telangana),
Pin no- 500005

Subject :- ***Acceptance of Terms & Conditions of Tender.***

Tender Enquiry No :- .....

Name of Tender / Work & location : -.....

Dear Sir,

I/We have downloaded/obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely :- **E-Procurement web site http://eprocure.gov.in/eprocure/app (CPPP**) 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. 01 to ___ including all documents like, Important Instruction & Guidelines, General Condition of Contract, Special Condition of the Contract, Scope of Work/Schedule of Quantity, Annexure(s), Schedule(s) etc. which form part of the contract agreement and also taken into account the above while quoting the rates 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 all the tender conditions/above points without any reservation from our/my side in 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 security deposit absolutely.

Yours Sincerely

Place :- _____
Date :- __/__/20__

[_____]
Signature of the Contractor
(with Official Seal)

Appendix-'D'

DECLARATION BY THE CONTRACTOR

{AFFIDAVIT ON A NON JUDICIAL STAMP PAPER OF RS.100/-DULY NOTARIZED}

I, _____sole proprietor/partner/authorized signatory of M/S_____ sole proprietorship/partnership firm/public/private limited company, having its principal place of business/registered office at_____(Full Address) do hereby solemnly affirm and declare as under :-

That I am the sole proprietor of M/S _____

Or

That ours is partnership firm having partners as under (Full Name of partners) :-

a. _____
b. _____
c. _____

(d) **_____**

Or

That ours is a private limited/public limited company incorporated in terms of the provisions of the Companies Act,1956/Companies Act,2013.

(Delete which is not applicable while typing affidavit)

02. I f **Proprietorship**, a **Registration Certificate** for the same/if **Partnership Firm**, a **Partnership Deed** is to be enclosed, if **Private Limited/Public Limited** Company, **Certificate of incorporation and Memorandum & Articles of association** to be submitted. All the partners/ directors should sign the affidavit or the person authorized by all the partners or one of the Directors duly authorized by Board Resolution in case of Company can sign with authority letter from all the partners/or Board Resolution in case of Company is to be enclosed.

03. That I hereby confirm and declare that my/our firm/company M/S _____ is not **blacklisted/delisted** or **debarred** or on **Holiday** list with any company of Private/Public Ltd. or Government Company/Government Departments from participating in the tender as on date.

04. I know that to swear a false affidavit is a crime under the law and with such knowledge only I have swear this Affidavit.

(_____)
(Signature of the Proprietor / Managing Partner/Director)
(with official seal)

"Verified at ..... on.....that the contents of paras 1 to 4 of this affidavit are true and correct and no part of this is false and nothing material has been concealed or falsely stated therein."

DEPONENT – 1 .....

DEPONENT – 2 .....

(_____)
(Signature & Seal of Notary)

Appendix-'E'

GUARANTEE TO BE EXECUTED BY CONTRACTORS FOR REMOVAL OF DEFECTS AFTER COMPLETION IN RESPECT OF WATER PROOFING WORKS AND ATT

The Agreement made this..... Day of..... Two thousand and..... between..... Son of..... of..... (Hereinafter called the Guarantor of the one part) and the PRESIDENT OF INDIA (hereinafter called Government of the other part).

WHEREAS this agreement is supplementary to a contract (hereinafter called the Contract) dated ..... and made between the GUARANTOR of the one part and the Government of the other part, whereby the Contractor, inter alia, undertook to render the buildings and structures in the said contract recited completely water and leak-proof.

AND WHEREAS GUARANTOR agreed to give a guarantee to the effect that the said structures will remain water and leak-proof for five years from the date of giving of water proofing treatment.

NOW THE GUARANTOR hereby guarantees that water proofing treatment given by him will render the structures completely leak-proof and the minimum life of such water proofing treatment shall be **five years** to be reckoned from the date after the maintenance period prescribed in the contract.

Provided that the guarantor will not be responsible for leakage caused by earthquake or structural defects or misuse of roof or alteration and for such purpose:

(a) Misuse of roof shall mean any operation which will damage proofing treatment, like chopping of firewood and things of the same nature which might cause damage to the roof;

(b) Alteration shall mean construction of an additional storey or a part of the roof or construction adjoining to existing roof whereby proofing treatment is removed in parts;

(c) The decision of the Engineer-in-Charge with regard to cause of leakage shall be final.

During this period of guarantee the guarantor shall make good all defects and in case of any defect being found, render the building water-proof to the satisfaction of the Engineer-in-Charge at his cost, and shall commence the work for such rectification within seven days from the date of issue of the notice from the Engineer-in-Charge calling upon him to rectify the defects, failing which the work shall be got done by the Department by some other contractor at the GUARANTOR'S cost and risk. The decision of the Engineer-in-Charge as to the cost, payable by the Guarantor shall be final and binding.

That if GUARANTOR fails to execute the water proofing or commits breach thereunder then the GUARANTOR will indemnify the Principal and his successors against all loss, damage, cost, expense or otherwise which may be incurred by him by reason of any default on the part of the GUARANTOR in performance and observance of this supplementary agreement. As to the amount of loss and/or damage and/or cost incurred by the Government the decision of the Engineer-in-Charge will be final and binding on the parties.

IN WITNESS WHEREOF these presents have been executed by the Obligor ..... and by ..... and for and on behalf of the PRESIDENT OF INDIA on the day, month and year first above written.

Signed, sealed and delivered by OBLIGOR in the presence of—

1.

2.

Signed for and on behalf of THE PRESIDENT OF INDIA by..... in the presence of—

1.

2.

Appendix-'F'

BASIC INFORMATION ABOUT THE BIDDER/FIRM/CONTRACTOR

S/N	Particulars		Specific answer/details by the Bidder/Contractor
1	Name of the Firm		M/S
2	Complete postal address of the firm with their registered office	Area/Village/Location	
		Post	
		P.S.	
		Tehsil	
		District	
		State	
		Pin	
		Contact/Mobile No.	
		E-Mail I.D. of firm	
3	Type of the Firm (whether Sole Proprietorship / Partnership / Pvt. Ltd. / Ltd. or Cooperative Body etc).		
4	Name of Organization/ Firm of the Proprietor/ Partners/ Directors.		(a) (b) (c)
5	Full name & address of the person signing the bid documents (*In block letters*)		
6	Deptt./Organization with which the firm is registered for the tendered work along with following details	*i) Registration No. with date of issue :-*	
		ii) Registration issued by (Authority) :-	
		iii) Registration valid up to (Date) :-	
		iv) Registration Class :-	
		v) Nature of works (Road/Building etc.)	
7	Details of Permanent Account No. (PAN)		
8	Details of GST No.		
9	Banker's details of the firm	***i) Bank Account No. :-***	
		ii) IFSC Code of the branch :-	
		iii) Bank Name :-	
		iv) Branch Name & Address of Bank :-	
		v) Whether branch is NEFT/ RTGS	

	enabled (Yes / No) :-	
10	Whether any Civil Suit/Litigation arisen in the contracts executed during the last 5 years/being executed. If yes, please furnish the name of the project, employer, nature of work, contract value, work order and date and brief details of litigation.	

Note *:- Bidder may please note that if the answer so furnished are not clear and/or are evasive, the tender will liable to be ignored.*

[_____] Signature of the Contractor (with Official Seal)

Annexure-II

FORMAT OF SOLVENCY CERTIFICATE

Format 1

Reference No..... Date .....

To

.....*(Name of Firm)*
.....*(Address)*
.....

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 t reated as good up to a sum of Rs..... (Rupees in words ....). It
is clarified that this information is furnished without any risk and responsi bility on our part in any respect whatsoever more particularly either as gu arantor or otherwise. This certificate is issued at the specific request of th e customer.

Place:

Date: **Branc h Manager**

(with bank seal)

OR

Format 2

Reference No..... Date .....

To

.....*(Name of Firm)*
.....*(Address)*
.....

This i s to certify that as per information available, Shri/Smt./Ms……., is solvent up to Rs. …… (Rupees ……..). This certificate is valid for the period from ……. t o ……. This certificate is issued without any guarantee or responsibility on the part of the Bank or any of its employees.

Place:

Branch Manager

Date: (with bank seal)

**For the purpose of guidance.*

Annexure-III

PROFORMA FOR INTENT OF MOU FROM OEM

Tender Enquiry No. ----------

(OEM)

Ref No _____

To

Commandant (Engineer)
Contract Cell, SZ HQr, CRPF,
Hyderabad (Telangana), Pin no- 500005

Name of work:----------

Dear Sir,

1. We M/s _____ hereby solemnly affirm that we shall undergo MoU with M/s _____ on being awarded the subject tender. For execution and representation of work including supply of labour and material.

2. We shall sign the MoU within 15 days from the date of application received from successful bidder.

Thanking and assuring you of best service at all times.

Yours sincerely,

Name
(Auth of OEM)
Designation
Address details

Annexure-IV

EOT PROFORMA

Name of Work :-

CA No. :-

Name of Contractor :-

Date of Completion :-

Extended date of Completion:-

Sl NO.	Description	No of days required	No. of days recommended by Engr-in-Charge	No of days recommended by DDO	No of days recommended by AC (Engr)	Approved/Rejected
1	2	3	4	5	6	7

	Total No. of days					

ANNEXURE - 36

(Refer SOP No. 5/25)

FORM OF APPLICATION BY THE CONTRACTOR FOR SEEKING EXTENSION OF TIME

PART - I

1. Name of contractor
2. Name of work as given in the agreement
3. Agreement no.
4. Estimated amount put tender
5. Date of commencement of work as per agreement
6. Period allowed for completion of work as per agreement
7. Date of completion stipulated in agreement
8. Period for which extension of time has been given previously:

Letter no. and date	Extension granted	
	Months	Days
(a) 1st extension		
(b) 2nd extension		
(c) 3rd extension		
(d) 4th extension		
(e) Total extension previously given		

9. Reasons for which extension have been previously given (copies of the previous applications should be attached)
10. Period for which extension is applied for
11. Hindrances on account of which extension is applied for with dates on which hindrances occurred and the period for which these are likely to last:
   (a) Serial no.
   (b) Nature of hindrance
   (c) Date of occurrence
   (d) Period for which it is likely to last
   (e) Period for which extension required for this particular hindrance
   (f) Overlapping period, if any, with reference to item
   (g) Net extension applied for
   (h) Remarks, if any

Total period on account of hindrances mentioned above: ..... Months ..... Days

12. Extension of time required for extra work
13. Details of extra work and the amount involved:
   (a) Total value of extra work
   (b) Proportionate period of extension of time based on estimated amount put to tender on account of extra work
14. Total extension of time required for 11 & 12

Submitted to the Officer .....

Signature of Contractor

Dated: .....

Annexure-V

Receipt of Deposit of Original EMD

–

Receipt No. .....
Date.....

1. Name of Work: .....

2. NIT No.: .....

3. Estimated Cost: .....

4. Amount of Earnest Money Deposit: ....

5. Last Date of Submission of Bid: .....

(**To be filled in by the receiving Estate Officer/ authorised Officer and uploaded along with the NIT**)

1. Name of Contractor: .....

2. Form of EMD: .....

3. Amount of Earnest Money Deposit: .....

4. Date and Time of Submission of EMD: .....

Signature

Name and Designation of EMD Receiving Officer, along with Office Stamp