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CENTRAL PUBLIC WORKS DEPARTMENT

Name of Work: Integration of existing Coral make SIP Server based on soft switch system installed at VMMC Bldg. system and S.J. Hospital with Super Specialty Block.

NIT No. 39/EE(E)/SJHED/2026-27

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Certified that this N.I.T. contains 1 to 37 pages (including this page)
 “NIT approved for Rs. 7039290/- (Rupees Seventy Lakh Thirty Nine Thousand Two Hundred and Ninety Only)”

कार्यपालक अभियंता (वै)
 स.ज.अ.वै.मं., के.लो.नि.वि.
 नई दिल्ली

**INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING FORMING
PART OF BID DOCUMENT**

(Applicable for inviting bids on 2 bid system)

The Executive Engineer (E), Safdarjung Hospital Electrical Division, CPWD, New Delhi-110 029 (Phone No. 01126730418, e-mail ID: deleesjhed.cpwd@nic.in) on behalf of the President of India invites online percentage rate bids in two bid system (PQ bid and Financial bid) **From Specialized firms** for the following works:-

कम सं०.	निविदा आमंत्रण सं०.	कार्य का नाम और स्थान	निविदा के लिए अनुमानित लागत	धरोहर राशि	कार्य समापन की अवधि	निविदा भरने की अन्तिम तिथि एवं समय	निविदा खुलने की तिथि एवं समय
1	2	3	4	5	6	7	8
1	39/EE(E)/SJHED/2026-27	Integration of existing Coral make SIP Server based on soft switch system installed at VMMC Bldg. system and S.J. Hospital with Super Specialty Block.	रु०. 7039290 /—	रु०. 140786 /—	02 माह	.31.08.2026. 15:00 बजे तक	.31.08.2026. 15:30 बजे

* To be filled by EE (E)

Note: The contractor shall quote his percentage rates including GST and any other applicable taxes, levy or cess etc. and nothing extra shall be reimbursed on this account. This provision will supersede all the provisions in GCC and elsewhere in the tender document in regard to Levy/Taxes payable by contractor.

1. The intending bidder must read the terms and conditions of **CPWD-6** carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
2. This Information and Instructions for bidders posted on website shall form part of bid document.
3. The bid document consisting of plans, specifications, Schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <https://etender.cpwd.gov.in> or www.cpwd.gov.in free of cost.

4. EMD must be made / issued only from the account of the bidder / tenderer, third party account EMD shall not be accepted.
5. But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned documents such as Insurance Surety Bonds, Account Payee Demand draft or Bankers Cheque or Fixed Deposit Receipts or/ and Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank towards EMD in favour of **Executive Engineer (E), SJHED, CPWD, New Delhi**, receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE/AE), CPWD and other documents as specified.
6. Those contractors who are not registered or have not updated their profile on the website mentioned above, are required to get registered/update their profile beforehand. The necessary training materials including the videos with step to step process are available on download section of <https://etender.cpwd.gov.in>
7. The intending bidder must have valid Class-III digital signature certificate with encryption key (combo type) to perform any operations / transactions on the e-tendering portal / website and the bidder should download and install the eMSigner on their system as per instructions available on download section of <https://etender.cpwd.gov.in>
8. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
9. Contractor can upload documents in the form of JPG format and PDF format.
10. Certificate of Financial Turn Over: At the time of submission of bid contractor may upload Affidavit/Certificate from CA mentioning Financial Turnover of last 7 years or for the period as specified in the bid document and further details if required may be asked from the contractor after opening of technical bids. There is no need to upload entire voluminous balance sheet.
11. Contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appears in yellow colour and the moment rate is entered, it turns sky blue.

In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).

However, If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
12. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.

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(Eligibility Criteria)

NOTICE FOR PREQUALIFICATION

1. The Executive Engineer (E), SJHED, CPWD, New Delhi-110029 (**Phone No. 01126730418, e-mail ID: deleesjhed.cpwd@nic.in**) on behalf of President of India **invite** online tender in two bid system (PQ bid and Financial bid) from “Specialized firm” for the work of Integration of existing Coral make SIP Server based on soft switch system installed at VMMC Bldg. system and S.J. Hospital with Super Specialty Block.

- (i) Estimated Cost: - Rs. 6600542/-
- (ii) Earnest Money: - Rs. 132011/-
- (iii) Time Allowed: - 02 Months

2. The Firm/Contractor shall have successfully completed similar nature of work during the last 07 years ending last date of the month previous to the one in which tenders are invited.

- i) Three similar completed works each costing not less than the amount equal to 40% of the estimated cost put to tender **or** Completed two similar work costing not less than the amount equal to 60% of the estimated cost put to tender or Completed one similar work costing not less than the amount equal to 80% of the estimated cost put to tender.
- ii) The value of executed work shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to previous day of last date of submission of tender.

3. **Similar work means “SITC of EPBAX system (equipments)”.**

4. The firms are advised to upload attested copies of completion certificate issued by the officer not below the **rank of Executive Engineer or equivalent clearly indicating** – (i) Date of start (ii) Actual date of completion (iii) Value of work completed (iv) Nature of job (v) Work completed satisfactorily.

5. Firm shall upload self attested copies of the following documents –

- (i) Networth certificate issued by certified CA for not less than Rs. 7.04 lakhs as per form B-1. (Scanned copy of original net worth certificate to be uploaded).
- (ii) The bidder should not have incurred any loss (Profit after tax should be positive) in more than 2 years during the immediate last 5 consecutive financial years duly certified by the CA.
- (iii) Certificate that the firm has an average annual financial turn over of not less than Rs. 21.12 lakhs during last 3 consecutive years ending 31-03-2025 (Scanned copy of audited balance sheet to be uploaded)
- (iv) The contractor shall have valid electrical license or upload an undertaking that he will execute electrical work from the agency who posses valid electrical license.
- (v) Email & mobile no. of the firm/ agency on the letter head of firm/ agency (For making correspondence)
- (vi) An affidavit on Rs.200 stamp paper duly attested by notary is to be uploaded as regard to that I/we have not been debarred susupended for tendering in CPWD till the last date of submission of bid.

6. GST registration Certificate of the State in which the work is to be taken up, if already obtained by the bidder.

If the bidder has not obtained GST registration in the State in which the work is to be taken up, or as required by GST authorities then in such a case the bidder shall scan and upload following undertaking along with other bid documents.

“If work is awarded to me, I/we shall obtain GST registration Certificate of the State, in which work is to be taken up within one month from the date of receipt of award letter or before release of any payment by CPWD, whichever is earlier, failing which I/We shall be responsible for any delay in payments which will be due towards me/us on a/c of the work executed and/or for any action taken by CPWD or GST department in this regard.

7. Undertaking and confirmation on affidavit Rs. 200/- as per NIT page No. 6 eligible similar work as per provision of clause 1.2.2 of CPWD-6.
8. An undertaking regarding, if the firm became lowest then they shall submit along with performance guarantee after the acceptance of tender, an undertaking from the OEM (**Coral make EPABX System**) regarding:
- Authorization certificate
 - The OEM shall unconditionally support the lowest tenderer technically throughout the execution of contract as well as for Maintenance/ comprehensive maintenance contract for the useful life of the system and
 - OEM shall provide all the spares required for healthy functioning of the equipment for at least seven years from the date of supply of equipment
9. The contractor shall submit all documents mentioned at Sl. No. 5, 6, 7 & 8 failing which their tender shall be rejected at this stage.
10. The Department reserves the right to reject or accept any application without assigning any reason and correspondence.
11. The date of opening of price bid of this tender will be intimated only to those firms whose PQ applications are approved by the Competent Authority in due course through e-Tendering.
12. This tender notice is also available in website www.etender.cpwd.gov.in

Note: The S.No. 5 (I to III) are not applicable for CPWD enlisted contractors of appropriate class in composite category and contractor has advised to upload the enlistment order or document as mentioned in S.No. 5 (I to III) in addition to other specified document.

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List of Documents to be scanned and uploaded within the period of bid submission:

1. Insurance Surety Bonds, Account Payee Demand draft or Bankers Cheque or Fixed Deposit Receipts/ and Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank against EMD in **favour of Executive Engineer (E), SJHED, CPWD, New Delhi.**
2. EMD Deposit Receipt
3. Certificate of work experience as per PQ Criteria.
4. Undertaking and confirmation on affidavit Rs. 200/- as per NIT page No. 15 eligible similar work as per provision of clause 1.2.2 of CPWD-6.
5. Firm shall upload self attested copies of the following documents –
 - i) Networth certificate issued by certified CA for not less than Rs. 7.04 lakhs as per form B-1. (Scanned copy of original net worth certificate to be uploaded).
 - ii) The bidder should not have incurred any loss (Profit after tax should be positive) in more than 2 years during the immediate last 5 consecutive financial years duly certified by the CA.
 - iii) Certificate that the firm has an average annual financial turn over of not less than Rs. 21.12 lakhs during last 3 consecutive years ending 31-03-2025 (Scanned copy of audited balance sheet to be uploaded)
 - iv) Email & mobile no. of the firm/ agency on the letter head of firm/ agency (For making correspondence)
 - v) An affidavit on Rs.200 stamp paper duly attested by notary is to be uploaded as regard to that I/we have not been debarred/suspended for tendering in CPWD till the last date of submission of bid.
6. GST registration Certificate of the State in which the work is to be taken up, if already obtained by the bidder. If the bidder has not obtained GST registration in the State in which the work is to be taken up, or as required by GST authorities then in such a case the bidder shall scan and upload following undertaking along with other bid documents.
 “If work is awarded to me, I/we shall obtain GST registration Certificate of the State, in which work is to be taken up within one month from the date of receipt of award letter or before release of any payment by CPWD, whichever is earlier, failing which I/We shall be responsible for any delay in payments which will be due towards me/us on a/c of the work executed and/or for any action taken by CPWD or GST department in this regard.
7. The contractor shall have valid electrical license or upload an undertaking that he will execute electrical work from the agency who possesses valid electrical license.
8. An undertaking regarding, if the firm became lowest then they shall submit along with performance guarantee after the acceptance of tender, an undertaking from the OEM (**Coral make EPABX System**) regarding:
 - i) Authorization certificate
 - ii) The OEM shall unconditionally support the lowest tenderer technically throughout the execution of contract as well as for Maintenance/ comprehensive maintenance contract for the useful life of the system and
 - iii) OEM shall provide all the spares required for healthy functioning of the equipment for at least seven years from the date of supply of equipment.
9. The bidder shall upload undertaking or certificate issued through LMS of ERP that “The existing enlisted contractor either himself or his authorized representative shall take compulsory ERP (Enterprise Resource Planning) training through any of the CPWD Regional Training Institutes (RTIs) at Delhi, Mumbai, Chennai and Kolkata, National CPWD Academy (NCA) Ghaziabad, Training arranged by Graduates of ERP "Train the Trainers Programme" conducted by NCA, Ghaziabad or through any other special training arranged by ERP unit of CPWD. Training will be valid only when participants are registered in LMS (Learning Management System) of ERP and certificate is issued through LMS of ERP”.
10. The contractor shall submit all documents mentioned at Sl. No. 1 to 5 (i to iii), 6, 7, 8 & 9 failing which their application shall be rejected.

Note: The S.No. 5 (I to III) are not applicable for CPWD enlisted contractors of appropriate class in composite category and contractor has advised to upload the enlistment order or document as mentioned in S.No. 5 (I to III) in addition to other specified document.

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नई दिल्ली

सहायक अभियंता (वै) (यो.)
स.ज.अ.वै.मं., के.लो.नि.वि.
नई दिल्ली

कार्यपालक अभियंता (वै)
स.ज.अ.वै.मं., के.लो.नि.वि.
नई दिल्ली

Annexure-I**Format of receipt of deposition of original EMD**

Receipt of deposition of original EMD		
(Receipt No. Date.....)		
1.	Name of Work	Integration of existing Coral make SIP Server based on soft switch system installed at VMMC Bldg. system and S.J. Hospital with Super Specialty Block.
2.	NIT No.	39/EE(E)/SJHED/2026-27
3.	Estimated Cost	Rs. 7039290/-
4.	Amount of Earnest Money Deposit	Rs. 140786/-
5.	Last date of submission of bid	-31-08-2026---- upto 15:00 PM

(** To be filled in by tender inviting authority/NIT approving authority at the time of issue of NIT and uploaded along with NIT)

1.	Name of Contractor	
2.	Form of EMD	
3.	Amount of Earnest Money Deposit	
4.	Date of submission of EMD	
Signature of EMD receiving Officer: (EE / AE(P) / AAO) Name and Designation of EMD receiving Officer: Office Stamp:		

(# To be filled by EMD receiving EE/DDH)

FINANCIAL INFORMATION

- I. Financial Analysis - Details to be furnished duly supported by figures in balance sheet / profit & loss account for the last five financial years duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached).

YEARS					
Financial Year	2020-21	2021-22	2022-23	2023-24	2024-25
Gross Annual turn over on construction works					
Profit / Loss (stand alone financial statement and Consolidated financial statement both)					

- II. Financial arrangements for carrying out the proposed work.

Signature of Chartered Accountant with Seal

Signature of Bidder (s)

FORM 'B'**BANKER'S CERTIFICATE FROM A COMMERCIAL BANK**

This is to certify that to the best of our knowledge and information that M/s./Sh.....
 having marginally noted address..... as a Customer
 of our bank are/is respectable and can be treated as good for any engagement upto a limit of
 Rs..... (Rupees).....

This certificate is issued without any guarantee or responsibility on the bank or any of the officers.

(Signature) For the Bank

NOTE

1. Banker's Certificate should be on letter head of the Bank, addressed to tendering authority.
2. In case of Partnership firm, certificate should include names of all partners as recorded with the Bank.

FORM "B-1"**FORM FOR CERTIFICATE OF NET WORTH FROM CHARTERED ACCOUNTANT**

It is to certify that as per the audited balance sheet and profit & loss account during the financial year....., the Net Worth of M/s (Name & Registered Address of individual / firm / Company), as on..... (the relevant date) is Rs. after considering all liabilities. It is further certified that the Net Worth of the company has not eroded by more than 10% in the last three years ending on 31.03.2025 .

Unique Document Identification Number (UDIN).....

Signature of the Chartered Accountant.....

Name of the Chartered Accountant

Membership No. of ICAI

Date and Seal

FORM 'C'**DETAILS OF ELIGIBLE SIMILAR NATURE OF WORKS COMPLETED DURING THE LAST SEVEN YEARS ENDING PREVIOUS DAY OF LAST DATE OF SUBMISSION OF TENDERS**

Name of the firm / contractor.....

S.No.	Name of work / project and location	Owner sponsoring organization	Cost of work in Crores of Rupees	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Litigation / arbitration cases pending / inprogress with details	Name and /Address/ telephone number of officer to whom reference may be made	Whether the work was done on back to back Yes / No
1	2	3	4	5	6	7	8	9	10

*Indicate gross amount claimed and amount awarded by the Arbitration Tribunal.

SIGNATURE OF BIDDER(S)

FORM – ‘F’**PROFORMA OF AFFIDAVIT FOR NON- BLACKLISTING**

Name of work: Integration of existing Coral make SIP Server based on soft switch system installed at VMMC Bldg. system and S.J. Hospital with Super Specialty Block.

I/We undertake and confirm that our firm/partnership firm has not been blacklisted presently (as on last date of submission of the bid) by any State Govt./Central Govt. Departments / Public Sector Undertakings / Autonomous bodies. Further that, if such information comes to the notice of the department then I/we shall be debarred for bidding in CPWD for this work & in future forever. Also, if such information comes to the notice of department on any day before date of start of work, the Engineer-in- charge shall be free to cancel the agreement and to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee/ Action will be taken as percondition mentioned in tender.(Scanned copy of this notarized affidavit to be uploaded at the time of submission of bid)

NOTE: This Affidavit to be furnished on a ‘Non-judicial’ stamp paper worth Rs.100/-

Signature of Bidder (s) or an authorized Officer
Of the firm with stamp & seal

Signature of Notary withseal

FORM – ‘G’**AFFIDAVIT FOR NON-EXECUTION OF WORKS ON BACK TO BACK BASIS**

Name of work: Integration of existing Coral make SIP Server based on soft switch system installed at VMMC Bldg. system and S.J. Hospital with Super Specialty Block.

I/We undertake and confirm that eligible similar work (s) has/have not been got executed through another contractor on back-to-back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for bidding in CPWD in future forever. Also, If such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee. (Scanned copy to be uploaded at the time of submission of bid).

NOTE: This Affidavit to be furnished on a ‘Non-judicial’ stamp paper worth Rs.200/-

Signature of Bidder (s) or an authorized Officer
Of the firm with stamp & seal

Signature of Notary with seal

FORM-H**UNDERTAKING REGARDING ERP Training in CPWD Department (For Non-enlisted CPWD Contractors)**

**To
The
Executive Engineer (E)
SJHED, CPWD,
New Delhi.**

Name of work: Integration of existing Coral make SIP Server based on soft switch system installed at VMMC Bldg. system and S.J. Hospital with Super Specialty Block.

Sir

Having examined the details given in the bid document for the above work, I/We hereby submit the following undertaking that "If work is awarded to me, I/We shall obtain ERP (Enterprise Resource Planning) training from CPWD Regional Training Institutes, as applicable, within two months from the date of receipt of award letter and failure to do so, a recovery of Rs. 5,000/- per week shall be made from the R/A bill without giving any show cause notice in this regard"

Signature of bidder or
An Authorized person of the firm
with stamp

Date of submission

CPWD-6 FOR e-TENDERING

1. Percentage rate tenders are **invited** on behalf of the President of India **invites** online percentage rate bids in two bid system (PQ bid and Financial bid) **From Specialized firms** for the work Integration of existing Coral make SIP Server based on soft switch system installed at VMMC Bldg. system and S.J. Hospital with Super Specialty Block.

The enlistment of the contractors should be valid on the last date of submission of bids.

In case the last date of submission of bid is extended, the enlistment of contractor should be valid on the original date of submission of bids.

- 1.1 The work is estimated to cost **Rs. 7039290/-** This estimate, however, is given merely as a rough guide.
 - 1.1.1 The authority competent to approve NIT for the combined cost and belonging to the major descipline will consolidate NITs for calling the bids. He will also nominate Division which will deal with all matters relating to the invitation of bids.
 - 1.2.2. **To become eligible for issue of bid, the bidders shall have to furnish an affidavit as under:** I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for bidding in CPWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee. (Scanned copy to be uploaded at the time of submission of bid)
2. Agreement shall be drawn with the successful tenderer on prescribed Form No. CPWD -7 which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in . Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **02 Months** from the date of start as defined in Schedule 'F' or from the 1st date of handing over of the site, whichever is later, in accordance with the phasing, if any, as indicated in the tender documents.
5. The site for the work is available.
6. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the cost of terms and conditions of contract to be complied with and other necessary documents except Standard General Conditions Of Contract Form can be seen from website <https://etender.cpwd.gov.in> or www.etender.cpwd.gov.in free of cost.
7. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.

8. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
9. When bids are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.
10. Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks against EMD (drawn in favour of **Executive Engineer (E), SJHED, CPWD, New Delhi,**) shall be scanned and uploaded to the e-Tendering website within the period of bid submission. The original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.

A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee including e-Bank Guarantee of any Commercial bank having validity for a period of **90 days for single bid system and 180 days for two bid system** or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

The earnest money given by all the tenderers except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier. However, in case of two/ three bid system, earnest money deposit of bidders unsuccessful during technical bid evaluation etc. should be returned within 30 days of declaration of result of technical bid evaluation.

Copy of Enlistment Order and certificate of work experience and other documents as specified in the notice inviting e-tender shall be scanned and uploaded to the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in e-tender notice shall have to be submitted by the lowest bidder within a week physically in the office of tender opening authority. Online bid documents submitted by intending bidders shall be opened only of those bidders, who has deposited original EMD with any division of CPWD and other documents scanned and uploaded are found in order.

The bid submitted shall be opened at 03:30 P.M. on ---31-08-2026-----

10. The bid submitted shall become invalid and tender processing fee (if applicable) shall not be refunded if:
 - i) The bidder is found ineligible.

- ii) The bidder does not upload scanned copies of all the documents stipulated in the bid document.
 - (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.
 - iv) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest tenderer in the office of tender opening authority.
 - v) If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
11. The contractor whose bid is accepted will be required to furnish **performance guarantee of 5% (Five Percent)** of the Estimated Cost put to tender (ECPT) or contract amount whichever is higher. Performance Guarantee shall remain valid for a minimum period of six months beyond the date of completion of all contractual obligations within the period specified in Schedule F. This guarantee shall be in the form of Insurance Surety Bonds, Account Payee Demand draft or Bankers Cheque or Fixed Deposit Receipts or/ and Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. **The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses / registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board i/c provident fund code No. if applicable and also ensure the compliance of aforesaid provisions by the sub-contractors, if any engaged by the contractor for the said work and Programme chart (Time and progress) within the period specified Schedule F.**
12. **The description of the work is as follows:**
 Intending Tenderers are advised to inspect and examine the site and its surroundings 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 bidders 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 shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools and plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a bidder implies that he has read this notice and 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 local conditions and other factors having a bearing on the execution of the work.
13. 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 assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.

14. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the bidders submitted by the contractors who resort to canvassing will be liable to rejection.
15. The competent authority on behalf of the President of India reserves to himself the right of accepting the whole or any part of the bid and the bidder shall be bound to perform the same at the rate quoted.
16. The contractor shall not be permitted to bid for works in the CPWD Circle (**Division in case of contractors of Horticulture/ Nursery category**) responsible for award and execution of contracts in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). 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 gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this department.
17. No Engineer of gazetted rank or other gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
18. The bids for the works shall remain open for acceptance for a period of **75 Days (Seventy Five days)** from the date of opening of price bids.
 - (i) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - (ii) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department after expiry of 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - (iii) In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work
19. This Notice Inviting Bid shall form a part of the contract document. The successful bidders /contractor, on acceptance of his bid by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work, sign the contract consisting of: -
 - (a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any forming the part of the bid as uploaded at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
 - (b) Standard CPWD Form 7 with up-to-date correction slips.

20. The intending bidders are required to update their profile in CPWD e- tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/uploading tender can be resolved through the concerned Executive Engineer/ Assistant Engineer (Phone No. 01126730418, e-mail ID: deleeesjhed.cpwd@nic.in) or ERP helpline no. 18001803286 or e-mail Id cpwd.support@techmahindra.com . The e- tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.
21. **Price Preference to SC/ST individual contractor for item rate/percentage rate tender:**
 Price preference in quoted item rate/percentage rate tender shall be applicable to the individual enlisted/non-enlisted SC/ST contractor as under:-
 (i) For work(s) upto and equal to an estimated cost of Rs. 2.80 lakh a price preference upto 5% (with reference to the lowest valid tender) may be allowed in favor of individual SC/ST enlisted/non-enlisted contractor. No earnest money is required in such case(s).
 (ii) For work(s) beyond an estimated cost of Rs. 2.80 lakh and upto and equal to estimated cost of Rs. 6.40 lakh, the price preference upto 5% (with reference to the lowest valid tender) may be allowed in favour of individual enlisted SC/ST contractor. However, earnest money at a reduced rate of ½% may be accepted in such cases.
 The price preference upto 5% (with reference to the lowest valid price bid) may be allowed in favour of individual SC/ST contractor only. The above concession shall be allowed only after verification of the individual contractor's claim of belonging to SC/ST community.

वरिष्ठ नक्शानवीस (वै)
 स.ज.अ.वै.मं., के.लो.नि.वि.
 नई दिल्ली

सहायक अभियंता (वै) (यो.)
 स.ज.अ.वै.मं., के.लो.नि.वि.
 नई दिल्ली

कार्यपालक अभियंता (वै)
 स.ज.अ.वै.मं., के.लो.नि.वि.
 नई दिल्ली

भारत के राष्ट्रपति की ओर से तथा उनके लिए
For & on behalf of President of India

ई-निविदा आमन्त्रण सूचना

कार्यपालक अभियंता (वै), स.ज.अ.वै.मं., के.लो.नि.वि. नई दिल्ली-110029 (दुरभाष सं०. 01126730418) के द्वारा भारत के राष्ट्रपति की ओर से निम्नलिखित कार्य के लिए ऑनलाईन दर प्रतिशत निविदा दो बोली पद्धति (पर्व योग्यता बोली एवं वित्तीय बोली) **From Specialized firms** से आमन्त्रित की जाती हैं।

नि.आ.सू.स०. 39/EE(E)/SJHED/2026-27 कार्य का नाम: Integration of existing Coral make SIP Server based on soft switch system installed at VMMC Bldg. system and S.J. Hospital with Super Specialty Block. अनुमानित लागत: ₹०. 7039290 /— धरोहर राशि: ₹०. 140786 /— समापन की अवधि: 02 माह, निविदा भरने की अन्तिम तिथि एवं समय: 31.08.2026. 3:00 बजे तक, निविदा खोलने की अन्तिम तिथि एवं समय: 31.08.2026..... 3:30 बजे।

Tender forms and other details can be obtain from the website www.etender.cpwd.gov.in

कार्यपालक अभियंता (वै)
स.ज.अ.वै.मं., के.लो.नि.वि.
नई दिल्ली

Copy to:

1. अधीक्षण अभियंता, दिल्ली परिमंडल-10, के.लो.नि.वि., ईस्ट ब्लॉक-1, तल-7, आर.के. पूरम, नई दिल्ली को सूचनार्थ।
2. कार्यपालक अभियंता, स.ज.अ.मं., के.लो.नि.वि. नई दिल्ली को सूचनार्थ
3. सहायक अभियंता (वै) (यो), स.ज.अ.वै.मं., के.लो.नि.वि. नई दिल्ली को सूचनार्थ।
4. सहायक अभियंता (वै)-1, 2, 3, 4 एवं 5, स.ज.अ.वै.मं., के.लो.नि.वि. नई दिल्ली को सूचनार्थ।
5. नोटिस बोर्ड, स.ज.अ.वै.मं., के.लो.नि.वि. नई दिल्ली।

ई-मेल द्वारा

कार्यपालक अभियंता (वै)

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE :- **Delhi**
 BRANCH :- **E&M**
 REGION :- **Delhi**

CIRCLE:- **Delhi Circle-10**
 DIVISION :- **SJHED**

Percentage Rate Bid

%Bid for the work of: Integration of existing Coral make SIP Server based on soft switch system installed at VMMC Bldg. system and S.J. Hospital with Super Specialty Block.

Dear Sir,

- (i) Bids to be uploaded online by **3.00 PM** on—.....—~~31-08-2026~~-----.....
- (ii) To be opened online in presence of Bidders who may be present at **3:30 PM on** ~~31-08-2026~~-----... **in** the office of Executive Engineer (E), SJHED, CPWD, New Delhi.

**** To be filled by Executive Engineer (E), CPWD, New Delhi.**

TENDER

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F. Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F', viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respects of accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for **75 (Seventy Five days)** from the date of opening of PQ bid and not to make any modification in its terms and conditions.

I/We have deposited EMD for the prescribed amount in the office of concerned Executive Engineer as per the bid document.

A copy of earnest money deposit receipt of prescribed amount deposited in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (for balance amount as prescribed) issued by Commercial Banks is scanned and uploaded (strike out as the case may be). If I/We, fail to furnish the prescribed performance guarantee within prescribed period. I/We agree that the said President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said performance guarantee shall be guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the GCC.

Further, I/We agree that in case of forfeiture of Earnest Money or performance guarantee as aforesaid, I/We shall be debarred for participation in the retendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for tendering in CPWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information / derived therefrom to any person other than a person to whom I/We, am/are authorised to communicate the same or use the information in any manner prejudicial to the safety of the state.

Dated ...***...

Signature of the Contractor

Postal Address ...***...

Telephone No. -----

Witness...***...

FAX -----

Address: ...***...

E-MAIL -----

Occupation...***...

...**...To be filled by the Executive Engineer

...***...To be filled by the Contractor

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for an on behalf of the President of India for a sum of Rs.....*
(Rupees.....)*

The letters referred to below shall form part of this contract agreement: -

(a)

(b)

(c)

For & on behalf of President of India

Signature*

Dated:*

Designation.....*

***To be filled in by the Engineer-in-charge**

On Non-Judicial Stamp Paper of Minimum Rs. 100/-
(Guarantee offered by Bank to CPWD in connection with the execution of contractors)
Form of Bank Guarantee for Earnest Money Deposit/ Performance Guarantee/ Security
Deposit/Mobilization Advance

1. Whereas the Executive Engineer (E), SJHED, CPWD on behalf of the President of India (hereinafter called "The Government") has entered into an agreement bearing number with (name and address of the contractor) (hereinafter called "the Contractor") for execution of work (name of work) The Government has further agreed to accept an irrevocable Bank Guarantee for Rs. (Rupees only) valid upto (date)..... as Performance Guarantee/Security Deposit/Mobilization Advance 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 hereby 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 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 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

Witness:

1. Signature
Name and address

Authorized signatory
Name

Designation
Staff code no.
Bank seal

2. Signature
Name and address

* Date to be worked out on the basis of validity period of 30 days where only financial bids are invited and 75 days for two/three bid system from the date of submission of tender.

** In paragraph I, strike out the portion not applicable. Bank Guarantee will be made either for performance guarantee/security deposit/mobilization advance, as the case may

PROFORMA OF SCHEDULES

SCHEDULE 'A'			
Schedule of quantities	E&M Work	:	Attached

SCHEDULE 'D'	
Extra schedule for specific requirements/documents for the work, if any:	NIL

SCHEDULE 'E'	
Reference to General Conditions of contract: -	General Conditions of Contract (GCC)– Maintenance Work -2023 amended/modified up to last date receipt of tender i/c extension, if any
Name of Work:-	Integration of existing Coral make SIP Server based on soft switch system installed at VMMC Bldg. system and S.J. Hospital with Super Specialty Block.
Estimated cost of work:-	Estimated Cost: Rs. 7039290/-
(i) Earnest Money	Rs. 140786/- (To be refunded after receipt of P.G.)
(ii) Performance Guarantee:-	a) 5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher). b) Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount
(iii) Security Deposit :-	2.5% of tendered Value.

SCHEDULE 'F'				
General Rules & Directions: -				
Officer inviting tender:-			Executive Engineer (E), SJHED, CPWD,New Delhi.	
Definitions:				
2 (vi)	Engineer-in-Charge	(i)	Electric al work	Executive Engineer (E), SJHED CPWD, New Delhi
2 (viii)	Accepting Authority	Executive Engineer (E), SJHED CPWD, New Delhi.		
2 (x)	Percentage on cost of materials and labour to cover all overheads and profits.	15%		
2 (xi)	Standard schedule of Rates	Elect.	i)DSR 2025 & DSR (E&M) Vol-II 2025 for E&M works (All above with withup to date correction slipsamended/modified up to last date receipt of tender i/c extension, if any)	
2 (xii)	Department	Central Public Works Department		
8 (ii)a	Standard CPWD contract form	GCC Maintenance work-2023, CPWD form 7 as modified and corrected up to date amended/modified up to last date receipt of tender i/c extension, if any)		

Clause 1	
(i) Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW: Welfare Board or proof of applying thereof from the date of issue of letter of acceptance, in days.	7 days
(ii) Maximum allowable extension with late fee @ 0.1% per day of performance guarantee amount beyond the period as provided in (i) above.	3 days

Clause 2	
Authority for fixing compensation under clause 2.	Superintending Engineer, DC-X, CPWD, R.K. Puram, New Delhi or his successor.

Clause 2A	
Whether Clause 2A shall be applicable	No

Clause 5	
Number of days from the date of issue of letter of acceptance for reckoning date of start :	10 days

Mile stone(s) as per table given below:			
Sl. No.	Description of Milestone (Physical)	Time allowed in days (From date of start)	Amount to be with-held in case of non-achievement of milestone.
----- Not applicable -----			

Time allowed for execution of work :	02 Months
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Authority to decide:		
(i)	Authority to convey the decision of shifting of mile stone & extension of time	Executive Engineer (E), SJHED CPWD, New Delhi or his successor thereof
(ii)	Authority to decide rescheduling of milestones & extension of time	Superintending Engineer, DC-X, CPWD, R.K. Puram, New Delhi or his successor thereof
(iii)	Shifting of date of start in case of delay in handing over of site	Superintending Engineer, DC-X, CPWD, R.K. Puram, New Delhi or his successor thereof

Schedule of handing over of site			
Part	Portion of site	Description	Time Period for handing over reckoned from date of issue of letter of intent
Part A	Portion without any hindrance	Full Site of Work	NA
Part B	Portions with encumbrances	Nil	NA
Part C	Portions dependent on work of other agencies	Nil	NA

Clause 5A	
Whether Clause 5 shall be applicable	Not Applicable

Clause 6	
Electronic Measurement Book (EMB)	
Mode of measurements	Electronic Measurement Book (EMB) (EMB initiated by contractor through ERP Portal)

Clause 7	
Gross work to be done together with net payment /adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment	Rs. 42.24 Lakh (Electrical work) Or Mutually Agreed by Engineer-in- charge and Agency

Clause 7A	
Whether Clause 7A shall be applicable	Yes

Clause 8	
Competent authority to inspect and issue completion certificate (Electrical Work)	Executive Engineer (E), SJHED, CPWD, New Delhi

Clause 10A	
List of testing equipment to be provided by the contractor at site lab.	As per requirement of site and direction of Engineer-in-charge.

Clause 10B(i)	
Whether Clause 10B(i) shall be applicable	Not Applicable

Clause 10C	Applicable		
Component of labour expressed as percent of value of work	Electrical work	For CMC & Day to Day Maintenance	
		For Other works	

Clause 10CC			
Whether Clause 10CC shall be applicable	Not Applicable		

Clause 11	
Specifications to be followed for execution of work	
1. Electrical works:	a) CPWD General Specifications for Electrical work Part I Internal - 2023, amended upto date. b) CPWD General Specifications for Electrical work Part II External -2023, amended upto date.

खण्ड **Clause 12** (As per DG OM No. DG/CON/Maintenance 2023/O3 dt. 18-12-2023 as amended up to date

Type of work:	Maintenance works
The Completion cost of any agreement for maintenance works including works of up-gradation, aesthetic, special repair, addition/alteration should not exceed two times the contract amount. Deviation up to 1.25 times of Contract amount shall be approved by Engineer-in-Charge with recorded reasons. Deviation beyond 1.25 times up to 1.50 times of contract amount shall be approved by SE/CE (as applicable) with recorded reasons. In exceptional case, ADG/SDG (as applicable) shall have power to approve the deviation beyond 1.50 times up to 2.0 times of Contract amount with recorded reason and take suitable corrective action.	
खण्ड Clause 12.2 & 12.3 Deviation limit beyond which clauses 12.2 & 12.3 shall apply for building work and other maintenance works.	No Limit

Clause 16 Competent Authority for deciding reduced rates. (Shall be limited upto 5% of the Contract Value.)	Superintending Engineer, DC-X, CPWD, R.K. Puram, New Delhi.
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Clause 18	
List of mandatory machinery, tools & plants to be deployed by the contractor at site	Electrical works: 1. Earth Tester 2. Megger 500 V 3. Line Tester 4. Test Lamp 5. Die & Vice 6. Chase Cutting Machine 7. Crimping Tools 8. Tong Tester and /or as per requirement at site / as per the contract provisions and as per direction of Engineer-in-charge.

Clause 19

Clause 19 C	 Authority to decide penalty for each default	Engineer – in - charge
Clause 19 D	 Authority to decide penalty for each default	Engineer – in - charge
Clause 19 G	 Authority to decide penalty for each default	Engineer – in - charge
Clause 19 K	 Authority to decide compensation for each default	Engineer – in - charge

Clause-25

Settlement of Disputes by Conciliation and Arbitration

(a)	Conciliator: -	ADG (RD), CPWD, New Delhi or his successor.
(b)	Arbitrator:-Appointing Authority	Superintending Engineer, DC-10, East Block-1, Level-7, CPWD, R.K. Puram New Delhi or his successor.
(c)	Place of Arbitration:	New Delhi

Clause 32							
"Requirement of Technical Representative (s) and Recovery Rates"							
Sl. No.	Minimum qualification of Technical Representative	Discipline	Designation (Principal Technical /Technical Representative	Minimum Experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 32(i) (Rs per month per person)	
						Figures	words
1	Graduate Engineer or Diploma Engineer	Electrical/ Mechanical 1	Project Manager cum Planning/ quality/Site/Billing Engineer	2 or 5 respectively	1	15,000/-	Rupees Fifteen Thousand only

Note:

- Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.
- Diploma holder with minimum 10 year relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.

Clause 38 (Electrical works)			
(i)	(a)	Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2025 printedby CPWD with up to date correction slips	
(ii)	Variations permissible on theoretical quantities:		
	a)	Cement for works with estimated cost put to tender not more than Rs. 25 Lakh	NA
		For works with estimated cost put to tender more than Rs 25 Lakh	NA
	b)	Bitumen for all works.	NA
	c)	Steel Reinforcement and structural steel sections for each diameter, section and category.	NA
	d)	Paints & Chemicals	NA

कार्यपालक अभियंता (वै)
स.ज.अ.वै.मं., के.लो.नि.वि.
नई दिल्ली

GENERAL TERMS AND CONDITIONS

1. The work shall be carried out as per CPWD specification for electrical Work Part-I & II – 2023 with up to date amendments and direction of Engineer-in-charge.
2. No T & P shall be issued to the agency.
3. Material shall be got approved from engineer-in-charge before use at site.
4. Any accidental liabilities will be the responsibility of the contractor.
5. Any damage done to the existing installations at site during execution of the work shall be made good by the firm within scope of work nothing extra shall be paid on this account.
6. Rates shall be inclusive of GST and nothing extra shall be paid on this account.
7. Agency has to supply & fixing lead, connection, line cord, resistances, ferrules, jumper, roget etc of instruments within quoted rates.
8. Work shall be carried out as per direction of Engineer-in-charge & bad workmanship shall be rejected in total.
9. Skilled staff alongwith required tools & plants dealing with the work shall be deputed to execute the work.
10. Since the work involve inherent professional hazard, so contractor has to deploy skilled staff and take all safety precaution during execution of work. Any type of loss i/c human life shall be the responsibility of the contractor and department shall not entertain any claim in this regard.
11. All the malba/debris shall have to be removed from site of work, immediately.
12. The contractor will be responsible for transportation, storage and watch & ward of material & other items for which nothing extra shall be paid.
13. The work involves the expansion of SIP system (Coral make) having current (Output) through various types of MDF, cables, tag boxes from EPABX main exchange room to the end users in various buildings of S.J. Hospital, New Delhi. In case of any damage in the IP - PBX i/c IP-PBX cards due to the poor / inexperienced staff deployed by the firm shall be made good by the firms as per the recommendations of OEM of Coral make, otherwise, the total cost of damaged card / IP-PBX shall be recovered from the contractor's bill as per the cost given by the OEM of Coral make.
14. The contractor/his authorized representative is bound to sign the site order book as and when required and he is bound to carry out the instructions recorded there in.
15. **For any query regarding uploaded NIT, the firm can contact of the AE(E) (P) of the division on mobile No. 7404417567 or 01126730741.**
16. The firm shall stand a guarantee for 12 months of equipment installed by them from the date of completion of work.

List of Acceptable make

1.	SIP IP phone & Accessories	:	As per OEM Standard
2.	48 Port IP Analog Gateway	:	As per OEM Standard
3.	Rack	:	Powerride / Valrack / Dynamic
4.	Online UPS	:	Mitsubishi / Schneider (APC) / Numeric / Vertiv / Fuji Electric / Eaton/ ABB / Riello/Pegasus
5.	Patch cord	:	As per OEM Standard
6.	PVC Conduit	:	AKG / FINOLEX / MK / Polycab
7.	CAT 6 cable	:	Digilink / D-Link / Krone
8.	Jelly filled telephone cable	:	Delton / Finolex / Polycab
9.	POE Network Switch	:	D Link / Netgear / Cisco
10.	Fibre Optic cable	:	D Link / Digilink / Krone
11.	Any other item not mentioned above	:	As approved by Engineer in charge

कार्यपालक अभियंता (वै)
स.ज.अ.वै.मं., के.लो.नि.वि.
नई दिल्ली



Central Public Works Department

NIT No. 39/EE(E)/SJHED/2026-27

Name of Work: Integration of existing Coral make SIP Server based on soft switch system installed at VMMC Bldg. system and S.J. Hospital with Super Specialty Block.

SCHEDULE OF QUANTITY

S. No	Description of Items	Qty		Rate	Unit	Amount
1	Expansion of existing Coral Make SIP Server Gateway with minimum Intel Quad Core processor, 8GB RAM, dual power supply, supporting minimum 200 SIP users, 24 SIP trunks with 128-bit key secured SBC, and 2 PRI ports onboard; system must function as a high-performance VoIP router with multiple SIP accounts/profiles, G.168 Echo Cancellation, Voice Activation Detection (VAD), Comfort Noise Generation (CNG), Packet Loss Concealment (PLC), Acoustic Echo Cancellation (AEC) with NLP, Packetized Voice Protocol Unit supporting RTP protocols, dynamic jitter buffer, modem detection with auto-switch to G.711, and full IPv4/IPv6 support with DOT approval; OEM must be TTP approved, DSIR certified, and the system must hold valid TEC GR certification with Type I, II & III approvals, while complying with Make in India (MII) policy with minimum 65% local content & system in active-active mode system capable to integrate with existing different location PBX system etc as reqd.	1	Nos	580196.00	Each	580196

2	Expansion of existing Coral Make 48 Ports IP Analog Gateway which must be powerful VoIP router with Multiple SIP accounts & profiles, G.168 Echo Cancellation, Voice Activation Detection (VAD), Comfort Noise Generation (CNG), and Packet Loss Concealment (PLC) and AEC with NLP Packetized Voice Protocol Unit (supports RTP and AAL2 protocol), G.168 compliant Echo Cancellation, Dynamic Jitter Buffer, Modem detection & auto-switch to G.711 etc and full IPv4/IPv6 support with DOT approval, SIP Trunk, support of Dual AC power supply, onboard OFC port over Gateway, 4 ethernet port to connect other gateway, 48Volt DC Power supply, universal port to accommodate FXS/FXO as per customer requirements. Offered OEM Must be TTP approved, DSIR certificate & system must have a valid TEC GR Certificate with all type I, II & III approval & system in active-active mode system capable to integrate with existing different location PBX system etc as reqd. (MII Local content must be min 65%)	13	Nos	305508.00	Each	3971604
3	Expansion of existing Coral Make 24 Ports FXO IP Analog Gateway which must be powerful VoIP router with Multiple SIP accounts & profiles, G.168 Echo Cancellation, Voice Activation Detection (VAD), Comfort Noise Generation (CNG), and Packet Loss Concealment (PLC) and AEC with NLP Packetized Voice Protocol Unit (supports RTP and AAL2 protocol), G.168 compliant Echo Cancellation, Dynamic Jitter Buffer, Modem detection & auto-switch to G.711 etc and full IPv4/IPv6 support with DOT approval, SIP Trunk, support of Dual AC power supply, onboard OFC port over Gateway, 4 ethernet port to connect other gateway, 48 Volt DC Power supply, universal port to accommodate FXS/FXO as per customer requirements. Offered OEM Must be TTP approved, DSIR certificate & system must have a valid TEC GR Certificate with all type I, II & III approval & system in active-active mode system capable to integrate with existing different location PBX system etc as reqd. (MII Local content must be min 65%).	3	Nos	168913.00	Each	506739

4	Installation, testing & commissioning of Coral IRIS IVDX Cloud Server based system SIP universal license supports all type of end user interface like Analog, Digital, IP (Audio & Video) with all codec enabled like G.711, G.722, PCMA, PCMU, H263, H.264, H.265. 10 party VC for Coral Video phone with 128-bit key secured SBC, SIP license over server must function as a high-performance VoIP router with multiple SIP accounts / profiles, G.168 Echo Cancellation, Voice Activation Detection (VAD), Comfort Noise Generation (CNG), Packet Loss Concealment (PLC), Acoustic Echo Cancellation (AEC) with NLP, Packetized Voice Protocol Unit supporting RTP protocols, dynamic jitter buffer, modem detection with auto-switch to G.711, and full IPv4/IPv6 support with DOT approval; OEM must be TTP approved, DSIR certified, and the system must hold valid TEC GR certification with Type I, II & III approvals, while complying with Make in India (MII) policy with minimum 65% local content & system in active-active mode and capable to integrate with existing different location PBX system etc over standard SIP Trunk.	696	Lines	909.00	Lines	632664
5	Expansion of existing Coral make SIP IP Phone with capable of 4 Line, 4 SIP Account, 2.8 screen, HD Voice, 320x240 Graphical Color LCD with backlight, PoE Support, Dual Gigabit Ethernet Port support, Support HTTPS, SRTP for voice data encryption, Login for administration & Static IP/DHCP/IEEE 802.1X with trunk display status line busy status & incoming & outgoing call facility etc. as reqd	25	Nos	32107.00	Each	802675
6	Supplying and fixing 24U Rack with 4 inch Castor wheels and front brake Floor Standing Rack with Main Frame Pillar of 1.25mm Powder Coated CRCA Sheet with removable side panels, L- Shape adjustable Vertical Mounting Rail of 2mm with 'U' Marking completely knocked-down condition (CKD) Shape, fitted with 4 number cooling fans, minimum 5nos two line cable entry / exit provision at top and bottom with rubber protection, Front door 5mm Toughened Glass with MS frame or MS perforated with lock, Rear MS vented or perforated door, Powder coated Color- RAL- 7035 or black, complied with UL & RoHS, 2 x 6 sockets 16A power distribution units, 3 numbers closed cable organizer, Hardware mounting screws packet of 20 x 1 number, etc. complete as required.	3	Nos	21201.00	Each	63603

7	Supplying, installation, Testing and commissioning of following capacity 24 port Layer 2 indoor Network Switch having features and specifications etc. as mentioned here under: At least 24 X RJ-45 Gigabit Ethernet Ports and additional 2 X 10G Base -T with 4 X SFP Ports with non-blocking architecture by having Switching capacity of min. 168Gbps and packet forwarding rate of 125Mpps or higher, 16K MAC table. Console Port, USB port, Stacking support of min. 8 units per stack. Internal dual AC Power supply, STP, RSTP, MSTP, BPDU Filter, BPDU Restriction, Min. 9K Jumbo Frame, LBD, IGMP Snooping V1/V2/V3, MLD Snooping V1/V2. IGMP /MLD Groups 1K or more, IPv4/IPv6 Loopback Interface, 16 L3 IP Interface, Ipv6 ND, VRRPv3, UDP Helper, ECMP. VLAN: 802.1Q, Port based, Q-in-Q, Multicast VLAN, Protocol VLAN, VLAN Trunking, DHCP Snooping, Server, server Screening. RADIUS, TACACS+ Authentication, QoS: 802.1P, 8 queues per port, QoS : WRR, Strict+WRR, WRED, 802.1p. ACL: MAC based, IPv4C IPv6, TCP/UDP Port number, time based ACL, TFTP Client, SNMP V1, v2c, v3, SNMP traps, RMON, DHCP server, relay, client, LLDP, LLDP-MED, OAM, Dying Gasp, 802.3ah, sflow, RIP, OSPF v2/v3, policy based route, SSL, SSH. 6 kV surge protection on all Gigabit Ethernet ports and on all GE RJ-45 access ports. Certifications: UL, CE, FCC, RoHS, MTCTE, OEM/Product must be on Trusted Telecom Portal of					
7.1	24 port PoE Layer 2 Network Switch with PoE Support of 370W or higher with each copper port supporting 802.3at PoE+ min.	2	Nos	125393.00	Each	250786
8	Supply & fixing of 50 Pair M.S krone Tag Box in 18 SWG Sheet having size 11.5" (L) x 7.5" (H) x 3.5" (D) duly powder coated on both sides with locking arrangement and should have three openable slots on each side of the box and eight openable slots at the back of box for cable entry. The box is to be provided with one nos 100 Pair S.S frame along with Modules with connectivity of existing Coral make EPABX system etc.	27	Nos	4490.00	Each	121230

9	Supplying, installation, Testing & Commissioning of following capacity at full load (Unity Power Factor) ON LINE Uninterrupted Power Supply (UPS) system suitable for Single Phase input, Single Phase output AC Supply. The UPS shall include a Rectifier, inverter, battery bank suitable for 30 minutes back up (Battery VAH capacity shall not be less than 1600 VAH per KVA of UPS rating per Hour backup time) on full load (Battery shall be VRLA, SMF in ABS Container) and Static Bypass switch along with provision for manual bypass, suitable isolation transformer for additional protection against neutral faults etc. The UPS systems shall be Microprocessor based Digital Control, using Insulated Gate Bipolar Transistor (IGBT)'s both for the rectifier & inverter with PWM (Pulse Width Modulation) Technology. The quality of design, manufacturing and inspection process should confirm to the relevant International standards such as IEC/EN/VDE. The operating efficiency of the UPS systems shall be >95% at 100% non-linear loads. Current total harmonic distortion (ITHD)/ total demand distortion (TDD) on the input grid shall be < 5% at 100 %load. (The required LC filters shall be included in UPS cost), extreme power factor kit to be include to limit the input pf to 0.99 and output power factor shall be unity (i.e. kw rating of the UPS shall be kva rating x 1) however UPS shall be suitable to take					
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	load at 0.7 lagging to 0.7 leading power factor loads UPS shall be suitable for incoming supply AC single phase 160-270V 50 Hz and delivering output AC supply true sine wave single phase 220/230/240 Volt, 50 Hz +/- 0.2Hz, Overload capacity of 120% for 10 mins and 150% for 1 minute. Operating temperature 0 to 40 0C, Relative humidity 0-95% non condensing, noise level less than 60db at 1 meter distance, Protection for Under voltage, over voltage, abnormal output voltage, battery over charging, output over current, short circuit, battery deep discharge, 10 KV surge. Display for watt/VA, Amp and Voltage power parameters etc. UPS shall comply with low voltage electromagnetic compatibility (EMC) achieved as per EN 6204, EN6204 Part I and Part 2, it shall be a Voltage and Frequency Independent (VFI) type UPS (as per standard IEC 62040-1, 2 & 3). The UPS should be with IGBT Based Inverter Technology, Communication RS232/ RS485/ SNMP port open protocol for BMS integration as per approved by Engineering in charge. Required battery racks, DC breaker of suitable rating and interconnecting copper conductor cable of suitable size and connectors and all required accessories are inclusive in the cost. The UPS should have QR code which should contain drawing, test report OEM manual, Geo-Tag of manufacturing location etc.					
9.1	6 KVA	1	Nos	109793.00	Each	109793
Grand Total						7039290

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