



NAVA RAIPUR ATAL NAGAR VIKAS PRADHIKARAN

E –Tender Document for the “Annual Maintenance of HT & LT Electrical Systems, Building Electrification, and Comprehensive Annual Maintenance of UPS Systems, Fire Alarm System, DG Sets, and Telephone System at Paryawas Bhawan, Sector-19, Nava Raipur Atal Nagar, District Raipur (C.G.)”(1st Call)

(Following Two - Envelope Tender Procedure)

E - TENDER DOCUMENT (PART ONE)

NIT No.: 21 /AMC-E&M-PB /EEE/CE/NRANVP/2026-27, Nava Raipur Atal Nagar ,Dated:12.06.2026

Issued by: Chief Executive Officer, NRANVP

Nava Raipur Atal Nagar Vikas Pradhikaran (NRANVP)
Paryawas Bhawan, North Block, Sector- 19,
Nava Raipur Atal Nagar, Raipur 492 002, Chhattisgarh
Tel No: + 91 771 2511500;
Fax No.: +91 771 2511400.

Engineer in charge

Name	:	Mr. Kamlesh Kumar Verma
Designation	:	EE (Electrical)
Office Phone	:	+ 91 771 2211008
Mobile No.	:	+91-9685530490
Mail ID.	:	eeel.nranvp@cg.gov.in

Tender Document Contains

- (a) Only schedule “A” and Section-I of schedule “D” are to be filled & signed by the tenderer
- (b) All the certificates as per pre qualification criteria shall be appended with relevant forms of schedule “D”

1. PART ONE (NRDA F-1)-(Attached herewith, to be submit along the tender)

Part (A)

- a) Press Notice
- b) Detailed NIT

Part (B)

- a) **Schedule-A (Online Only)**

(i) Bill of Quantities

- b) **Schedule-B –NIL**
- c) **Schedule-C –NIL**
- d) **Schedule-D**

Section-I..... Technical tender forms

- (i) Annexure 1: Affidavit
- (ii) FORM - 1: Tenderer’s Information Sheet
- (iii) FORM - 2: Annual Turnover
- (iv) FORM - 3: Specific Construction Experience
- (v) FORM – 4: Check List for Technical Tender Evaluation
- (vi) FORM – 5: Return of EMD
- (vii) FORM – 6: Integrity Pact & Agreement
- (viii) FROM-7: Draft Format For Performance Security
- (ix) FROM-8: Draft Format For Earnest Money Deposit Form (Bank Guarantee)
- (ix) FORM-9 : Draft Format For Security Deposit
- (x) FROM-10: Draft Format For Performance Guarantee For Water Proofing And Anti Termite Works (For 10 Years)

Section –IIScope of work

Section –III..... Technical specifications of work

Section –IV..... Special Conditions of Contract

Section –V..... List of approved make

Section –VI..... Drawings

- e) **Schedule-E**
- f) **Schedule-F**

2. PART TWO (NRDA F-2/3)-Standard form (Not Attached herewith, and not to be submitted along the tender)

1. **General Guidelines**
2. **Tender**
3. **General rules and directions**
4. **Conditions of contract**
5. **Clauses of contract**
6. **Model rules relating to labour, water supply and sanitation in labour camps safety code**
7. **Sketch of cement Godown**
8. **Contract forms**
 - (a) **Draft Format for Performance Security**
 - (b) **Earnest Money Deposit Form (Bank Guarantee)**
 - (c) **Format of Contract Agreement**
 - (d) **Draft Format for Performance Guarantee for Water Proofing and Anti-termite Works**
 - (e) **Indemnity Bond**
 - (f) **Indenture Bond**
 - (g) **Notice for Appointment of Arbitrator**
9. **Proforma of schedules (Schedule 'A' to Schedule 'F')**

PRESS NOTE



नवा रायपुर
अटल नगर

NAVA RAIPUR ATAL NAGAR VIKASPRADHIKARAN

Paryavas Bhawan, North Block, Sector- 19, Nava Raipur Atal Nagar- 492 002, Chhattisgarh.

Tel No: + 91 771 2512000; Fax No.: +91 771 2512400.

Website: www.navaraipuratalnagar.com, <http://eproc.cgstate.gov.in>

E-Procurement Tender Notice

The Chief Executive Officer, NRANVP invites tender for following works :

1. NIT No.: 21/AMC-E&M-PB/EEE/CE/NRANVP/2026-27, Nava Raipur Atal Nagar, Dated: 12.06.2026

Name of Work: "Annual Maintenance of HT & LT Electrical Systems, Building Electrification, and Comprehensive Annual Maintenance of UPS Systems, Fire Alarm System, DG Sets, and Telephone System at Paryavas Bhawan, Sector-19, Nava Raipur Atal Nagar, District Raipur (C.G.)" (1st Call)

Period of completion	Estimated Cost (INR)	EMD (INR)
36 Month	47.69 Lakh per year	96,000.00/-

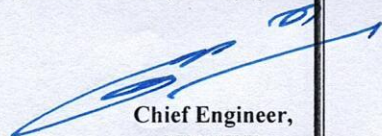
2. RFP No: 22/NIFT/EEC-IV/CE/NRANVP/2026-27, Nava Raipur Atal Nagar Dist. Raipur, Date: 12.06.2026

Name of Work: "Selection of Technical Consultant for The Campus Planning and Designing for National Institute of Fashion Technology (NIFT) in Nava Raipur Atal Nagar, Dist. Raipur (C.G.)(1st Call)

Last Time & Date of Online Submission : 15:00hrs on 06.07.2026

The E-Procurement tender documents can be downloaded from the portal (Website) <http://eproc.cgstate.gov.in> directly and shall be submitted online on the same website only after making on payment of bid participation fees online.

Amendment in tender, if any, will only be uploaded on the website and shall not be published in any newspaper.


Chief Engineer,
NRANVP

NAVA RAIPUR ATAL NAGAR VIKAS PRADHIKARAN (NRANVP), RAIPUR CHHATTISGARH

Disclaimer

1. The Name of the City “Atal Nagar” has been changed to “Nava Raipur Atal Nagar” & the “Atal Nagar Vikas Pradhikaran (ANVP)” name has been changed to “Nava Raipur Atal Nagar Vikas Pradhikaran (NRANVP)”. The “Atal Nagar Vikas Pradhikaran” may be read as “Nava Raipur Atal Nagar Vikas Pradhikaran” & “ANVP” may be read as “NRANVP”.

DETAILED NIT

NIT No.: 21 /AMC-E&M-PB /EEE/CE/NRANVP/2026-27, Nava Raipur Atal Nagar ,Dated:12.06.2026

Last date and time for online submission of E-Tenders: 15.00 hrs on Date:06.07.2026

1. **Percentage rate** E-Tenders are invited in the prescribed tender documents by the Chief Executive Officer, Nava Raipur Atal Nagar Vikas Pradhikaran (NRANVP), Chhattisgarh from eligible contractors registered / enrolled with **Central/Semi Central Govt./State Govt./PSU/Local bodies of the state of Chhattisgarh** in appropriate class meeting the financial and technical criteria and also empanelled with GoCG- procurement System through the department's Portal <http://eproc.cgstate.gov.in> fulfilling the prequalification criteria
2. **The detailed NIT is as under:-**

Name of work	“Annual Maintenance of HT & LT Electrical Systems, Building Electrification, and Comprehensive Annual Maintenance of UPS Systems, Fire Alarm System, DG Sets, and Telephone System at Paryawas Bhawan, Sector-19, Nava Raipur Atal Nagar, District Raipur (C.G.)”(1st Call)
Probable Amount of Contract in (INR)	Rs. 47.69 Lakh per year
Earnest Money Deposit (EMD) (in INR)	Rs. 96,000.00
Time allowed including rainy season	36 Months
Cost of Tender (INR) (Fee+18% GST) (in INR)	Rs. 5900.00
Bid submission start date	Date: 12.06.2026
Bid submission due date (Online)	Date: 06.07.2026 at 15:00:00 Hrs
End date for Physical submission	Date:07.07.2026 at 15:00:00Hrs
Bid opening date (Scheduled)	Date:07.07.2026 at 16:00:00Hrs
Pre tender Clarification/ amendments	Available in the http://eproc.cgstate.gov.in

3. Intended **eligible** Tenderers may obtain further information from the office of Employer and inspect the

Signature of Contractor.....

Signature of NRANVP.....

Tender Document at, NRANVP from 11 AM to 4 PM on all working days.

4. **Pre Qualification Criteria** -To be eligible under the contract, the intending tenderer should meet the following mandatory criteria **4.1 and 4.2 (A & B&C)**

4.1 Financial Criteria

- A. Average Annual Turnover:** Minimum average annual gross turnover (excluding GST) of the bidder shall be **INR 48.00 Lakh** during any three complete financial years out of FY (2022-23, 2023-24, 2024-25 & 2025-26). Annual Gross Turnover is total certified payments received for contracts in progress or completed during the financial year. **Where necessary, the Employer can make enquiries with the Tenderer's Bankers or any other authority**
- B.** The tenderer should be a profit making firm and should not have incurred losses for more than two financial years out of last Five financial years ending 31st March, 2025 duly certified by Chartered Accountant.

4.2 Technical Criteria

A	<ol style="list-style-type: none"> The intending tenderer shall be an eligible registered electrical contractor with the central/semi-central government/state government/PSU/local bodies of the state of Chhattisgarh in the appropriate class. The intending tenderer shall possess a valid Class “A” Electrical License issued by a Government Licensing Authority, which shall remain valid on the date of bid submission and throughout the contract period.
AND	
B	<p>The intending bidder should have satisfactorily completed similar works during last five years i.e. after 31/05/2021 in any Central/ Semi Central Govt./State Govt./PSU/ Local bodies undertaking as below: -</p> <ol style="list-style-type: none"> One similar completed work costing not less than INR 38.15 lakh Two similar completed works, each costing not less than INR 23.85 lakh each <p>"Similar Work" shall mean Annual Maintenance Contract (AMC), Comprehensive Operation & Maintenance (O&M), or Comprehensive Maintenance of electrical installations executed under a single contract, comprising maintenance of any three (03) or more of the following systems:</p> <ol style="list-style-type: none"> Indoor HT & LT Switchgear / HT & LT Panels; Distribution Transformer of rating not less than 500 kVA; Building Electrical Works including Internal Wiring, Light Fixtures, Fans, Power Points, and associated electrical installations; UPS System; Diesel Generator (DG) Set; Fire Alarm System. <p>The above systems shall have been maintained under a single contract agreement and the work shall have been completed satisfactorily during the stipulated qualifying period.</p> <p>For the purpose of this clause, the "Cost of Work" shall mean the gross value of the completed work, including the cost of materials supplied by the Employer/Client on a chargeable basis, but excluding materials supplied free of cost.</p>

Signature of Contractor.....

Signature of NRANVP.....

Note: -

- a. For the purpose of value, executed works and financial turnover shall be brought to the current costing level by enhancing the actual value of work at the rate of 7% per annum (compounded annually), calculated from the date of completion to the last date of receipt of applications for E-Tenders.
- b. Ongoing project/part-project experience shall not be considered for evaluation.
- c. Works executed by the applicant as a member of a joint venture or as a subcontractor shall not be considered. Where the similar work, as defined above, forms only a part of a composite or larger project, the completion certificate issued by the Employer/Client shall clearly indicate the value of the similar work component separately from the total project cost. In such cases, experience gained by the bidder as an authorized vendor/sub-vendor, duly certified by the Employer/Client, shall also be considered for the purpose of meeting the experience criteria.
- d. The bidder shall quote a single percentage rate either above (+) or below (–) the estimated rates, which shall be uniformly applicable to all items of the work.
- e. If two or more bidders quote the same percentage rate, the work shall be awarded to the bidder having greater experience in terms of the cumulative value of similar completed works. In case the experience credentials are also found to be equivalent, preference shall be given to the bidder having an earlier date of registration with CPWD, PWD, a public sector undertaking established by the Central/State Government, or any other Central/State Government organization/PSU for the execution of electrical or composite (civil and electrical) works.
- f. The bid shall be evaluated based on the percentage quoted above or below the estimated cost, and the bidder quoting the lowest evaluated percentage rate shall be considered for award of the work, subject to fulfilment of all eligibility and tender conditions.
- g. The detailed cost estimate is incorporated in the Bill of Quantities (BOQ), which forms an integral part of the Tender Document. The quantities indicated therein are tentative and shall be subject to variation based on actual site requirements and execution conditions.
- h. For the benefit of the intending tenderers, a checklist is enclosed at Schedule D, Section I, for the documents to be submitted along with the tender. Tenderers are required to submit other documents/information also with the technical tender as required in the detailed NIT or elsewhere in the Tender Document PART ONE; otherwise, it shall lead to rejection of tenders.
- i. For other services to be executed under this project, the selected bidder shall have to deploy a sub-vendor who has experience in the execution of that component for which the bidder does not have enough experience.

That sub-vendor should have successfully completed work in any central/semi-central government/state government/PSU/local body in respect of a particular component as follows.

- i. One completed work of 80% of the value of that component

OR

- ii. Two completed works of 50% each of the value of that component.

Signature of Contractor.....

Signature of NRANVP.....

The sub-vendor shall get approval from NRANVP before the start of the concerned activities.

- j. In case, the eligible work has been executed by a Joint Venture or a Consortium through one or more individual firm(s), then cost of completed work shall be distributed among the individual firm(s) in proportion to their share in Joint Venture or a Consortium and that will be considered as work experience for individual firm(s) for prequalification in bidding

Certificates:

- a) All tenderers should submit the valid Contractor registration certificate, Class “A” Electrical License, Chartered Accountant(CA) Certificate for Turnover and other certificates as per tender
 - b) The tenderers shall also submit satisfactory completion certificates in support of each quoted experience along with a work order. The satisfactory completion certificate should be signed by an officer, not below the rank of Executive Engineer/ equivalent rank concerned in the case of a Government department or the rank of General Manager/ equivalent rank in case of the public sector as the case may be.
 - c) **All the documents to be submitted shall be duly notarized.**
5. The tender document for the above work is available on **(Website)** <http://eproc.cgstate.gov.in>. The tenderers shall attach the EMD as mentioned in the Para 2 above.
6. Tenderer has to submit the following documents as detailed below simultaneously.

ENVELOPE Part A: The documents should be Scanned, upload and submit in original sealed envelope.	Earnest Money Deposit in Original, Tender Cost (Online Payment Receipt) Integrity Pact and Integrity Agreement (Form-6) Power Of Attorney for Signing of Bid (On Rs.100/- (Rupees Hundred Only) Stamp Paper) And Original Affidavit (As Per Annexure 1) (On Rs.100/- (Rupees Hundred Only) Stamp Paper)
Part B: The documents should be Only Scanned and upload	<ol style="list-style-type: none"> 1. Eligible Contractor Registration Certificates, Valid GSTN Certificate, Certificate of Incorporation/Firm Registration, Signed Copy of NRANVP F-1 (Detailed NIT Part Only). 2. Average Annual Gross Turnover (Form-2), Certificate duly certified by a Chartered Accountant (On His Letterhead) with UDIN for: 3. Gross Turnover (excluding GST) & Profit Making 4. Tenderer's Information Sheet (Form-1), Specific Experience (Form-3), and Satisfactory Completion Certificates, along with the work order. 5. Class "A" electrical license. 6. Completion Certificates in Support of Each Quoted Experience, along with Work Order, signed by an Officer Not Below the Rank of Executive Engineer or Equivalent Rank

Signature of Contractor.....

Signature of NRANVP.....

	<p>Concerned in the Case of a Government Department or the Rank of General Manager or Equivalent Rank in the Case of the Public Sector, as the case may be.</p> <p>7. Checklist for Technical Tender Evaluation (Form-4), Return Of EMD (Form-5)</p> <p>8. Technical Qualifications/Details/Documents Required for Pre-qualification as Per Detailed NIT and Other Details/Documents Required as Per Tender Document.</p>
Part C: To be Submitted only in online	Price Tender

The envelop shall be super –scribed with the Name of Work and Name of intending tenderer. Tenders who do not conform to the specified requirements will be held non-responsive.

Initially, the **envelope (Part A)** shall be opened, if found responsive then the Part B scanned documents submitted shall be evaluated.

The price tender (Part C) shall be opened after the technical evaluation. After the technical evaluation, the date and time of opening of the price tender shall be communicated by NRANVP to the successful tenderer. The price tenders of only the tenderer found qualified as per the PQ criteria shall be opened online. The contract shall be awarded to the tenderer whose tender has been determined to be the lowest evaluated as per the tender's conditions.

7. All E-Tenders must be accompanied with the

- a) **Earnest money** as mentioned in the Para 2 above. The Earnest money shall be payable in favor of *Chief Executive Officer NRANVP*, in the form of a **Fixed Deposit Receipt(FDR)/Bank Draft payable at Raipur/Nava Raipur Atal Nagar Bank Guarantee (Annexure-A) Operatable/Encashable at Raipur/Nava Raipur Atal Nagar with their branch code & address at Raipur/ Nava Raipur Atal Nagar (C.G.), drawn from a Scheduled Commercial Bank. Bank Draft and Bank Guarantee/ Fixed Deposit Receipt(FDR) shall be valid for a period of 3 (three) months and 6 (Six) months respectively from the date of submission of tender.** In case of Bank Guarantee, Bank Account Details of NRANVP's are as follow:

1	Account Holder Name	Nava Raipur Atal Nagar Vikas Pradhikaran
2	Bank Name	Punjab National Bank
3	Address	Rakhi, Nava Raipur Atal Nagar (C.G.) Pin – 492002
4	Account No.	3246000100080820
5	IFSC	PUNB0748300
6	MICR	492024009
7	Bank Phone no.	0771- 2970366

Signature of Contractor.....

Signature of NRANVP.....

b) Documents related to Bid participation Fees

c) Cost of Tender as mentioned in the Para 2 above. The Cost of tender money shall be payable **Online** Only..

d) Affidavit on INR 100.00 non judicial Stamp paper in the prescribed format.

e) Integrity Pact and Integrity Agreement

8. E-Tenders shall be submitted online, however Envelope (Part A) should be submitted at the address below(**Address of Chief Executive officer,NRANVP**) on or before due date. E-Tenders received after the due date or time for tender submission (Late E-Tenders) will either not be accepted or if inadvertently accepted, will not be opened and shall be rejected and returned back to the tenderer subsequently. For any postal delay the department shall not be responsible.
9. **(a) NRANVP** reserves full rights to reject any or all the E-Tenders without assigning any reason, and to seek any further information/ clarification from the tenderers. The selection shall be at the entire discretion of **NRANVP** and the **NRANVP's** decision in this respect shall be final and binding. Further **NRANVP** reserves right to split the contract in two or more parts. This shall be at the entire discretion of **NRANVP** and **NRANVP's** decision in this matter shall be final and without appeal.
(b) The competent authority on behalf of **NRANVP** does not bind himself to accept the lowest or any other tender, and reserves to himself the authority to reject any or all of the E-Tenders received without the assignment of a reason. All E-Tenders in which any of the prescribed conditions is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer, shall be summarily rejected.
10. **(a)** E-Tenders shall be valid for 90 (Ninety) days from the last date of submission of the tender. **NRANVP** will not be responsible for any costs or expenses incurred by Tenderers in connection with the preparation or delivery of E-Tenders. If any tenderer withdraws his tender before the said period or issue of letter of acceptance/intent, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the **NRANVP**, then the **NRANVP** shall, without prejudice to any other right or remedy, be at liberty to forfeit entire amount of Earnest Money as aforesaid.
(b) Any bidder, who has withdrawn his proposal or have been disqualified on the basis of the above clause, shall not be eligible to submit the tender in the recall of such tender.
(a)Subletting of the contract or Joint Venture/ consortium in any case shall not be allowed. In case subletting is done or proved during the contract, the work shall be closed at the stage as it is and the SD / Retention money/any other deposits available with department shall be forfeited.
11. The intending tenderers are advised to send their queries to NRANVP within 7days from the “Bid submission start date”either by post or by email to ceo.nranvp@cg.gov.in,cee-nranvp@cg.gov.in and ceel.nranvp@cg.gov.in
12. **Clarification/ amendments, if any shall be uploaded on website only.**
13. Period for completion of work as mentioned above at Para 2 is inclusive of rainy season.
14. Approved hard copy of the standard document is available in the office of the employer

Signature of Contractor.....

Signature of NRANVP.....



and could be seen on any working day during office hours at the following address:-

Chief Engineer, NRANVP, 1st Floor, Paryawas Bhawan, North Block Sector- 19, Nava Raipur Atal Nagar- 492 002, Chhattisgarh, Phone: 0771-2512000

15. The intending tenderers are advised to cross check the downloaded version of the tender document with the hard copy available with **NRANVP**.
16. In case of any discrepancy between the downloaded tender and the approved hard copy, the approved hard copy shall hold good for contractual as well as legal purposes.
17. Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their E-Tenders, 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 at their own cost obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect the execution of work and shall incorporate the cost of such effects while quoting the tender, A tenderer 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 tenderer shall be responsible for arranging and maintaining at his own cost all materials tools & plants, water, electricity, access facilities for workers and on all other services required for executing the work unless otherwise specifically provided in the contract documents. Submission of tender by a tenderer 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 local conditions and other factors having a bearing on the execution of the work.
18. Canvassing whether directly or indirectly, in connection with E-Tenders is strictly prohibited and the E-Tenders submitted by the contractors who resort to canvassing will be liable to rejection.
19. The successful tenderer shall be required to execute an agreement on a non judicial stamp paper of appropriate value with the **Engineer in Chief/Chief Engineer , NRANVP** in the Performa annexed to the tender document, within 7 days of the issue of letter of acceptance/ award by the **NRANVP**. The cost of non judicial stamp paper shall be borne by contractor. In the event of failure on the part of the successful tender to sign the agreement within 7 days, the entire earnest money will be forfeited and tender shall be cancelled.
20. The successful tenderer, upon issue of letter of acceptance, in addition to execution of an agreement on a non judicial stamp paper of appropriate value, shall also be required to furnish an irrevocable Performance Bank Guarantee of requisite amount to the **Engineer in Chief/ Chief Engineer , NRANVP** in the Performa annexed to the tender document, within 7 days of the issue of the letter of acceptance /award of Tender by the **NRANVP**. In the event of failure on the part of the successful tenderer to furnish the Performance Bank Guarantee within 7 days, the earnest money will be forfeited and tender shall be cancelled.
21. This Notice Inviting Tender shall form a part of the contract document. In accordance with clause 1 of the contract, the letter of acceptance/ award shall be issued in favour of the successful tenderer/ contractor. After submission of the performance guarantee, by the contractor, the General arrangement drawings and other details for commencement of work shall be issued. The contract shall be deemed to have come into effect on

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issue of communication of letter of acceptance of the tender. On such communication of acceptance, the successful Tenderer/ Contractor shall, within 7 days from such date, formally sign the agreement consisting of:-

- a) PART ONE of the Tender documents along with detailed NIT as issued to the contractor at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto and
 - b) PART TWO of the Tender document i.e. “General conditions of contract duly modified / corrected to the extent as specified under PART ONE (though not issued to the contractor but always available for inspection on written demand at the office of the officer inviting E-Tenders specified under Schedule F of PART ONE of the Tender Document) and deemed to have been consulted, inspected, understood and considered by the tenderer before quoting and submitting his tender.
 - c) Agreement signed on non-judicial stamp paper of appropriate value as per prescribed proforma of tender documents.
22. **GCC is available as a standard NRANVP Publication and can also be downloaded free of cost from the NRANVP web site under title “General conditions of contract” for Contractors in construction Contracts” However contractors are advised to refer to PART ONE of the tender document carefully and thoroughly for corrections/modifications in the “General conditions of contract” Standard form NRANVP F-2/3 is also available for inspection in the office of the Engineer in charge on written demand from contractors. [Link site http://www.navaraipuratalnagar.com/documents/gcc.pdf](http://www.navaraipuratalnagar.com/documents/gcc.pdf)**
23. While submitting the tender the contractor shall clearly and legibly write his full mailing address including PIN code, Telephone/ mobile no./ Fax Numbers/ e-mail address etc for communication purposes and shall inform the Engineer in Charge about any change from time to time in his postal/ mailing address. The communication shall be dispatched only at the contractor’s such latest informed address and NRANVP shall in no way be responsible for non-receipt of correspondence by the contractor.
24. It is found that the contractor has misrepresented that facts or has attempted to secure or has secured the work by misrepresenting the facts or by submitting false or forged documents then the Entire Earnest Money submitted by the contractor and or the Performance Guarantee and/ or the Security Deposit as the case may be, shall be liable to be absolutely forfeited and such contractor/ individuals shall also be liable to be prosecuted for cheating/ forgery/ fraud etc as per law.
25. **Bill of quantities:** Rate Shall be quoted (Online Only) **in percentage (%)** of the total project cost inclusive of all out of pocket expenses.
26. The tender document shall be written legibly and free from erasure, overwriting or conversion of figure. Any correction where unavoidable shall be made by crossing out, rewriting and attestation by the tenderer.
27. All royalties be paid by the contractor and also all tolls, duties, local and other levies including sales tax, insurances & workman compensation act etc.
28. All taxes as applicable shall be payable by the contractor.
- 28.1 The **contractor shall quote their rates excluding GST**, as the same shall be paid separately.

Signature of Contractor.....

Signature of NRANVP.....

- 28.2 The applicable GST at time of payment of bill shall be paid to the contractor in addition to the value of work done as per the rates quoted by the contractor.
- 28.3 However, the verification of the fact that the GST payable by the contractor has actually been paid to the department concerned, can be done at any point of time during the progress of work.
- 28.4 In any case such verification will be done before the final bill is paid to the contractor. The Contractor shall have to submit necessary documents of proof in respect of the above from the appropriate authority.
29. Contractor will be bound to follow CG Model rules relating to its water supply & sanitation in labour camp.
30. The contractor shall pay not less than the minimum wages to labours engaged by him on the work.
31. Department reserves the right to take up the work departmentally or to award any work on contract in the vicinity without prejudice to the terms of contract.
32. Additional Performance Security (APS) shall be deposited by the successful bidder before signing of agreement. When the bid amount is unbalance i.e less than the estimated cost by more than 10% to 20%, in such an event the successful bidder will deposit the Additional Performance Security (APS) to the extent of difference of 90% of the PAC and bid amount in the shape of bank guarantee for agreement period, issued by approved scheduled commercial bank, in favour of the Chief Executive Officer before signing the agreement. If the bid amount is seriously unbalance i.e. less than the estimated cost by more than 20% in such an event successful bidder will deposit the Additional Performance Security (APS) to the extent of difference of 90% of the PAC and bid amount in the shape of F.D.R., issued by approved scheduled commercial bank, in favour of the Chief Executive Officer before signing the agreement. The Bank Guarantee/F.D.R. shall be released/ returned along with the Performance Guarantee after completion of work. If the contractor fails to complete the work or left the work incomplete, this Additional Performance Security (APS), shall be forfeited by the department, & the agreement shall be terminated and action shall be taken in accordance with relevant clause of the agreement. In case the tenderer/contractor refused to deposit Additional Performance Security (APS) then his bid will be rejected by the sanctioning authority and earnest money shall be forfeited.
33. **Agency/contractor/firm/bidders not eligible to bid**
- a) **NRANVP** reserves the right to disallow issue of tender documents or summarily reject the bid of any Agency/contractor/firm/bidder even through they meet the above criteria: against whom an action for violation of its commitment(s) and obligation(s) has been taken and/or whose performance at ongoing project (s) is below par and usually poor with records of poor performance such as abandoning the work, rescinding of contract for which the reasons are attributable to the non-performance of the contractor; made

Signature of Contractor.....

Signature of NRANVP.....



misleading or false representation in the form, statements submitted; consistent history of litigation awarded against them or financial failure due to bankruptcy.

- b) Those, who have earlier abandoned work in **NRANVP** or those who have not completed any work assigned to incorporation them after its award during last 3 years shall not be eligible to bid for this project.
 - c) All Agency/contractor/firm/bidders shall include the information and documents regarding any pending and/or history of contract litigation/arbitration for last three (3) years, in which they are involved, disputed amount and contract litigation or arbitration awarded. Consistent history of awards against the Agency/contractor/firm/bidders or habitual litigation may Consider ineligible for bidding.
 - d) The Agency/contractor/firm/bidder whose E.M.D. has been forfeited due to their failure to deposit performance Guarantee after issue of letter of acceptance during last three year shall not be eligible to bid for the project.
 - e) The already blacklisted/ debarred Agency/contractor/firm/bidders by the **NRANVP** are not eligible to participate in the tender process and their bids shall be rejected summarily.
 - f) The Agency/contractor/firm/bidders should not be currently blacklisted or deregistered for forgery, misrepresentation or supplying of sub-standard quality products(s) for which the bid is being submitted”.
34. It is mandatory for bidder to submit all mandatory/required documents in online in website <http://eproc.cgstate.gov.in>. Any documents which are not submitted in online but submitted physically will not be accepted.

Addendum – 1

Subject:- Incorporation of GST in the tender document of NRANVP. These condition shall supersede, any other clause with reference to taxes available elsewhere in the bid documents.

After the incorporation of GST Act, the conditions in tenders of NRANVP has been modified as below:

Previous	Modified as
<p>Clause -37 para (i): of NRANVP General Condition of Contract</p> <p>Sales Tax/VAT (except Service Tax), Building and other Construction Workers Welfare Cess or any other tax or Cess in respect of this contractor shall be payable by the contractor and NRANVP shall not entertain any claim whatsoever in this</p>	<p>Clause -37 para (i): of NRANVP General Condition of Contract</p> <p>Building and other Construction Workers Welfare Cess or any other tax or Cess in respect of this contract shall be payable by the contractor and NRANVP shall not entertain any claim whatsoever in this respect.</p> <p>However in respect of GST:-</p>

Signature of Contractor.....

Signature of NRANVP.....

respect. However, in respect of service tax, same shall be paid by the contractor to the concerned department on demand and it will be reimbursed to him by the NRANVP after satisfying that it has been actually and genuinely paid by the contractor.	<p>(a) The contractor shall quote their rates excluding GST, as the same shall be paid separately.</p> <p>(b) The applicable GST at time of payment of bill shall be paid to the contractor in addition to the value of work done as per the rates quoted by the contractor.</p> <p>(c) The successful tenderer who is liable to be registered under CGST/IGST/UTGST/SGST Act shall submit GSTIN along with other details required under CGST/IGST /UTG5175GST Act to NRANVP immediately after the award of contract, without which no payment shall be released to the contractor. The contractor shall be responsible for deposition of applicable GST to the concerned authority.</p> <p>(d) In case the successful tenderer is not liable to be registered under CGST/IGST/UGST/ SGST Act, the NRANVP shall deduct the applicable GST from his/their bills under reverse charge mechanism (RCM) and deposit the same to the concerned authority</p> <p>(e) The tenderer shall submit Tax Clearance Certificate from GST Department, before final payment.</p>
--	---

Addendum – 2

Subject: - Settlement of disputes & Arbitration.

The conditions in tenders of **NRANVP** has been modified as below:

Previous	Modified as
<p>Clause -25 para (vii) of NRANVP General Condition of Contract.</p> <p>The arbitration shall be conducted in accordance with the provisions of the Arbitration and Conciliation Act, 1996 (26 of 1996) or any statutory modifications or re-enactment thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceeding under this clause.</p>	<p>Clause -25 para (vii) of NRANVP General Condition of Contract.</p> <p>The arbitration shall be conducted in accordance with the provisions of the Chhattisgarh Madhyastham Adhikaran Adhiniyam, 1983 or any statutory modifications or re-enactment thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceeding under this clause.</p>

Signature of Contractor.....

Signature of NRANVP.....

The above to be considered before quoting the tender.

Engineer in Charge Name : Mr. Kamlesh Kumar Verma Designation : EE(Elect) Office Phone : + 91 771 2211008 Mobile No. : +91-9685530490 Mail ID. : eeel.nranvp@cg.gov.in	Chief Executive Officer, NRANVP Nava Raipur Atal Nagar Vikas Pradhikaran (NRANVP) Paryavas Bhawan, North Block, Sector- 19, Nava Raipur Atal Nagar- 492 002, Chhattisgarh Fax No.: +91 771 2512400.
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Website: www.navaraipuratalnagar.com,
<http://eproc.cgstate.gov.in>

Note: -

- 1- All eligible/interested contractors are mandated to get enrolled on the e Procurement portal (<https://eproc.cgstate.gov.in>) in order to download the tender documents and participate in the subsequent bidding process.
- 2- For any other queries regarding online registration on the above-mentioned website please get in touch with e-Procurement system integrator, **M/s. Mjunction Services Limited, Raipur – 492001 on Toll free 1800 258 2502 or email: helpdesk.eproc@cgswan.gov.in**
- 3- All Documents related to Tender are to be submitted by tenderers online only. In Addition, EMD and Affidavit should be submitted in original through **Registered Post / Speed Post / Courier only**, failing which the tenderer cannot participate in the bidding.

Signature of Contractor.....

Signature of NRANVP.....



SCHEDULE- D

Section-I

Technical Tender Forms

A handwritten signature in blue ink, located at the bottom right of the page. The signature is stylized and appears to be a cursive name.

Schedule-D

Section I - Tender Forms Technical

This Section contains the forms which are to be completed by the Tenderer and submitted as part of his PART ONE (NRANVP F-1).

Table of Forms

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FORM - 1 : Tenderer's Information Sheet

Tenderer's Information		
Tenderer's legal name		
Tenderer's legal address		
Tenderer's authorized representative (name, address, telephone numbers, fax numbers, e-mail address)	Name:	Address:
	Telephone :	E-Mail:
	Fax :	
Tenderer's details of Incorporation	Place of Incorporation/ registration:	Year of incorporation:
Attached are copies of the following original documents. <input type="checkbox"/> 1. Articles of incorporation or constitution of the legal entity named above. <input type="checkbox"/> 2. In the case of government-owned entity, documents establishing legal and financial autonomy and compliance with commercial law.		

Details of the office closest to Raipur (if available)

1.	Address of Office :	
2.	Telephone :	Contact :
3.	Fax :	E-Mail :

Signature of Tenderer

Date: _____



FORM - 2 : Annual Gross Turnover

Annual Gross Turnover Data (Excluding GST) for the any 3 Years			
Year	Amount (including GST) and Currency	Exchange Rate if any	INR Equivalent (including GST)
2022-23			
2023-24			
2024-25			
2025-26			
Average Annual Gross Turnover (Excluding GST) for any Three(3) FY in INR			

All Tenderers are requested to complete the information in this form.

Annual gross turnover is total certified payments received for contracts in progress or completed during the financial year.

As a proof of the above, the contractor shall submit a certificate by Chartered Accountant (on His Letter Head) with UDIN.

Signature of Tenderer

Date: _____



FORM – 3a : Specific Work Experience

Fill up one (1) form per contract.

Details of Contract			
Contract No of	Name of work		
Award Date		Completion Date	
Role in Contract	<input type="checkbox"/> Contractor	<input type="checkbox"/> Sub-contractor	
Total Contract Amount	INR		
Employer's Name Address Telephone/Fax Number E-mail			
Description of the work executed			

Note: Attach copies of work order and satisfied completion certificates in support of each quoted experience. The satisfactory completion certificate should be signed by an officer not below the rank of Executive Engineer concerned in case of Government department or the rank of General Manager in case of public sector as the case may be.

Signature of Tenderer

Date: _____



b. Completion certificate of executed work

This certificate shall be produced in the below format on the letter head of the employer.

Completion Certificate

1	Name of the Agency	:	
2	Name of the Work	:	
3	NIT No. & Date	:	
4	Contract Agreement No. & Date	:	
5	Date of Award/Start of Work.	:	
6	Original Completion date as per Contract Agreement	:	
7	Actual completion Date	:	
8	Agreement Value of work	:	
9	Actual cost of work after completion	:	

This is certified that the above work has been carried out satisfactorily as per drawing specification and instruction of Engineer-in- Charge.

Thanking you.

Authorized Signature:

Designation:

Company:

Seal:

Dated



FORM – 4: Check List for Technical Tender Evaluation

Name of the Agency:						
S. No	Document	Details			Enclosed at annexure	
					Page No	
					From	To
1	Bid participation Fee	Amount				
		Online TID No.				
		Date				
		Photo copy attached	Yes	No		
2	Earnest Money Deposit (EMD)	Amount				
		Form of EMD				
		Issuing Bank & Branch				
		No & Date	Yes	No		
		Photo copy attached				
	Contractor Registration Certificate	Class in which registered				
		Name of Department				
		Registration Number & Date				
		Validity				
		Notarized	Yes/No			
4	GSTIN Certificate	Registration Number:				
		Name of the Office				
		Notarized	Yes/No			
5	Average Annual Gross Turnover (including GST) in Lacs	2022-2023				
		2023-2024				
		2024-2025				
		2025-2026				
		Chartered accountant certificate in original or photo copy duly notarized can be submitted				

Name of the Agency:				
S. No	Document	Details	Enclosed at annexure	
			Page No	
			From	To
6	Details of the projects/works completed as pre-qualification criteria	Name of the Work		
		Work Completed	Yes/No	
		Year of completion		
		Cost of the Project		
		Certificate Enclosed	Yes/No	
		Notarized	Yes/No	
		Name of the Work		
		Work Completed	Yes/No	
		Year of completion		
		Cost of the Project		
		Certificate Enclosed	Yes/No	
		Notarized	Yes/No	

Note: The above check list only provides for those documents which are mandatory for the tender pre-qualification criteria. Tenderers are required to append, other documents also with the technical tender as required in the detailed NIT or elsewhere in the PART ONE (NRANVP F-1).

Signature of Tenderer

Date: _____

FORM – 5: RETURN OF EMD

Date: _____

To:

The Chief Executive Officer,
Nava Raipur Atal Nagar Vikas Pradhikaran (NRANVP)
Paryavas Bhawan, North Block Sector-19,
Nava Raipur Atal Nagar, Dist. Raipur- 492 002, Chhattisgarh
Tel No: + 91 771 2512000; Fax No.: +91 771 2512400.

Ref for NIT no:-----

Subject: Name of the work:- -----

Dear Sir,

- (a) I/We have submitted the Earnest Money Deposit of amount Rs. _____ (In words _____) as specified in the tender document in the form of a demand draft/Bank Guarantee on a Scheduled Commercial Bank (-----Bank Name and address) and operatable at Raipur/Nava Raipur Atal Nagar, in favour of the 'Chief Executive Officer, NRANVP, Raipur.
- (b) In case, i/we am/are not found qualified bidder, our Earnest Money Deposit (EMD) may kindly be return back on the provided bank details as below:

Our bank detail (Please attaché a cancel cheque) are as follows :

- (1) Beneficiary Name: _____
- (2) Beneficiary's Bank: _____
- (3) Branch: _____
- (4) IFS Code: _____
- (5) Account No _____

Signature: -----

Signed by: ----- (Name)

Designation: -----

For and on Behalf of ----- (Name of Tenderer)

Date:

FORM – 6: Integrity Pact & Agreement

To,

.....
.....
.....

Sub: NIT No. for the work

Dear Sir,

It is here by declared that Nava Raipur Atal Nagar Vikas Pradhikaran (NRANVP), Nava Raipur Atal Nagar, Dist. Raipur (C.G.) is committed to follow the principle of transparency, equity and competitiveness in public procurement.

The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Bidder will sign the integrity Agreement, which is an integral part of tender/bid documents, failing which the tenderer/bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the Nava Raipur Atal Nagar Vikas Pradhikaran, Nava Raipur Atal Nagar, Dist. Raipur (C.G.). .

Yours faithfully

Executive Engineer
Nava Raipur Atal Nagar Vikas Pradhikaran
Nava Raipur Atal Nagar, Dist. Raipur (C.G.)



INTEGRITY PACT

To,

Nava Raipur Atal Nagar Vikas Pradhikaran (NRANVP),

Nava Raipur Atal Nagar, Dist. Raipur (C.G.),

Sub: Submission of Tender for the work of

Dear Sir,

I/We acknowledge that Nava Raipur Atal Nagar Vikas Pradhikaran (NRANVP), Nava Raipur Atal Nagar Dist. Raipur (C.G.), 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 Nava Raipur Atal Nagar Vikas Pradhikaran (NRANVP), Nava Raipur Atal Nagar, Dist. Raipur (C.G.). 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, Nava Raipur Atal Nagar Vikas Pradhikaran (NRANVP), Nava Raipur Atal Nagar, Dist. Raipur (C.G.). shall have unqualified, absolute and unfettered right to disqualify the tenderer/bidder and reject the tender/bid in accordance with terms and conditions of the tender/ bid.

Yours faithfully

(Duly authorized signatory of the Bidder)



To be signed by the bidder and same signatory competent / authorized to sign the relevant contract on behalf of Nava Raipur Atal Nagar Vikas Pradhikaran, Nava Raipur Atal Nagar Dist. Raipur (C.G.)

INTEGRITY AGREEMENT

This Integrity Agreement is made at on this day of 20.....

BETWEEN

Nava Raipur Atal Nagar Vikas Pradhikaran (NRANVP), Nava Raipur Atal Nagar, Dist. Raipur (C.G.). Represented through The CEO or Any Officer appointed by him,

(Name of Division)

Nava Raipur Atal Nagar Vikas Pradhikaran ,

....., (Hereinafter referred as the
.....
(Address of Division)

'Principal/Owner', which expression shall unless repugnant to the meaning or context hereof include its successors and 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.) (hereinafter referred to as "Tender/Bid") and intends to award, under laid down organizational procedure, contract for

.....
(Name of work)

Herein after referred to as the "Contract".

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

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

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

Article 1: Commitment of the Principal/Owner

- (1) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:
 - (a) 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.
 - (b) 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 process or the Contract execution.
 - (c) The Principal/Owner shall endeavour to exclude from the Tender process any person, whose conduct in the past has been of biased nature.
- (2) 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 herein 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.

Article 2: Commitment of the Bidder(s)/Contractor(s)

- (1) It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical 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.
- (2) The Bidder(s)/Contractor(s) commits 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:
 - (a) 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.
 - (b) 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 competitiveness or to cartelize in the bidding process.
 - (c) 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.
 - (d) 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 participate 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.

- (d) 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.
- (3) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- (4) 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.
- (5) 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 befall 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 Contract or 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:

- (1) 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 giving 14 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/Guarantee Deposit: If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(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 Guarantee Deposit of the Bidder/Contractor.

- (3) 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

- (1) 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.
- (2) 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.
- (3) 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

- (1) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors 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.
- (2) The Principal/Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.
- (3) 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
- (4) 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 12 months 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, Nava Raipur Atal Nagar Vikas Pradhikaran, Nava Raipur Atal Nagar, Dist. Raipur (C.G.). .

Article 7- Other Provisions

- (1) This Pact is subject to Indian Law, place of performance and jurisdiction is the Head quarters of the Division of the Principal/Owner, who has floated the Tender.
- (2) Changes and supplements need to be made in writing. Side agreements have not been made.
- (3) 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.
- (4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions. 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/Contact 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)

.....
(For and on behalf of Bidder/Contractor)

WITNESSES:

1.
(signature, name and address)

2.
(signature, name and address)

Place:

Date:



Form-7: Draft Format for Performance Guarantee

(On Rs.100/- (Rupees hundred only) Stamp Paper from a scheduled Bank and operatable in Raipur/Atal Nagar,Dist. Raipur, Chhattisgarh only)

To,

Chief Executive Officer,

Nava Raipur Atal Nagar Vikas Pradhikaran

Paryavas Bhawan, North Block, Sector-19,

Nava Raipur Atal Nagar ,Dist. Raipur 492 002, CHHATTISGARH

1. In consideration of the Nava Raipur Atal Nagar Vikas Pradhikaran of Chhattisgarh incorporated under Nagar Tatha Gram Nivesh Adhiniyam - 1973 (No. 23, Year 1973), having its office at Paryavas Bhawan, North Block, Sector-19, Nava Raipur Atal Nagar Raipur- 492 002, Chhattisgarh (hereinafter called "NRANVP" which expression shall unless repugnant to the subject or context include its successor and assigns) having agreed under the terms and conditions of Contract awarded to _____ (hereinafter called "the Contractor" which expression shall unless repugnant to the subject or context include his heirs, executors administrators and assigns/its successors and assigns) and the NRANVP in connection with _____ (hereinafter called "the Said Contract") to accept a Performance Guarantee as herein provided for Rs. _____ from a **Scheduled Commercial Bank and operatable in Raipur/ Nava Raipur Atal Nagar,Dist. Raipur,Chhattisgarh(Please Mention the name of Branch, Branch code and address with phone number and email id at Raipur/Nava Raipur Atal Nagar Dist. Raipur(C.G.))** in lieu of the Performance Guarantee deposit to be paid for the due fulfillment by the Contractor as per the terms and conditions contained in the said Contract, We the Bank _____ constituted and established under the Banking Companies Acquisition and Transfer of Undertaking Act 1970 (hereinafter referred to as "the said Bank") and having our Head Office at _____ at the request of Contractor do hereby undertake to pay to the NRANVP an amount not exceeding Rs. _____ against any loss or damage caused to or suffered or would be caused to or suffered by the NRANVP by reason of breach or breaches by the said Contractor(s) of any of the terms and conditions contained in the said agreement, and to unconditionally pay the amount claimed by the NRANVP on demand and without demur to the extent expressed.
2. We _____ (name of Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the NRANVP stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the NRANVP by reason of breach by the said contractor of any of the terms or conditions contained in the said Agreement or by reason of the contractor(s) failure to perform the said Agreement. 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. _____.
3. We _____ (name of Bank) further agree that the Chief Executive Officer, NRANVP shall be the sole judge of and as to whether the contractor has committed any breach or breaches of any of the terms and conditions of the said contract and the extent of loss, damage, costs, charges and expenses caused to or suffered by or that may be caused to or suffered by the NRANVP on account thereof and the decision of the Chief Executive Officer, NRANVP that the Contractor has committed such breach or breaches and as to the

amount or amounts of loss, damage, costs, charges and expenses caused to or suffered by or that may be caused to or suffered by the NRANVP from time to time shall be final and binding on us'.

4. We undertake to pay to the Chief Executive Officer, NRANVP any money so demanded notwithstanding any dispute or disputes raised by the Contractor/ supplier in any suit or proceeding pending before any court or Tribunal relating thereto our liability under this present being absolute and unequivocal.

The payment so made by us under this Guarantee bond shall be a valid discharge of our liability for payment there under and the contractor /supplier shall have no claim against us for making such payment.

5. We, _____ (indicate the name of Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of the NRANVP under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till the Chief Executive Officer, NRANVP certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the _____ we shall be discharged from all liability under this guarantee thereafter.

6. We _____ (indicate the name of the Bank) further agree with the Chief Executive Officer, NRANVP shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and condition 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 NRANVP 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 or commission on the part of the NRANVP or any indulgence by the NRANVP to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provisions have effect of so relieving us.

7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor/ Supplier(s).

8. We, _____ (indicate the name of Bank) lastly undertake not to revoke this guarantee during its currency except with the previous consent of the NRANVP in writing.

9. The bank guarantee will be operable and encashable at Raipur/Nava Raipur Atal Nagar _____ (Branch Name), _____ (Branch code) _____ (Branch address), _____ (Email ID), _____ (Phone No.)

Dated this _____ day of _____ 20
for and on behalf of the Bank

The above Guarantee is accepted by the
NRANVP. For and on behalf of the NRANVP

Dated: _____
(Name and Designation)



Form-8: Draft format for Earnest Money Deposit Form (Bank Guarantee)

(To be valid for minimum period of six months on Rs.100/- (Rupees hundred only) Stamp Paper from a Scheduled Commercial Bank operable in Raipur/Nava Raipur Atal Nagar Dist. Raipur, Chhattisgarh only)

To,

Chief Executive Officer

Nava Raipur Atal Nagar Vikas Pradhikaran

Paryavas Bhawan, North Block, Sector-19,

Nava Raipur Atal Nagar ,Dist. Raipur 492 002, CHHATTISGARH

1. In consideration of Nava Raipur Atal Nagar Vikas Pradhikaran of Chhattisgarh incorporated under Nagar Tatha Gram Nivesh Adhiniyam - 1973 (No. 23, Year 1973), having its office at Paryavas Bhawan, North Block, Sector-19, Nava Raipur Atal Nagar Raipur-492 002, Chhattisgarh (herein after called 'NRANVP' which expression shall unless it be repugnant to the subject or context on meaning thereof include its successors and assign or assigns) having invited tenders in connection with _____ Contract package No. _____ for the execution of the work of

And in future consideration of the NRANVP having consented to permit M/s. _____ (Name of the Tenderer) (hereinafter called "the Tenderer" which expression shall unless it be repugnant on the context and meaning thereof include his heirs, executors, administrators and assign/ assigns) to deposit the **Earnest Money Deposit**, Deposit of Rs. _____ (Rupees _____) in the form of an unconditional and irrevocable Bank Guarantee furnished by a **Scheduled Commercial Bank and operatable in Raipur/ Nava Raipur Atal Nagar,Dist. Raipur,Chhattisgarh(Please Mention the name of Branch, Branch code and address with phone number and email id at Raipur/Nava Raipur Atal Nagar Dist. Raipur(C.G.)),in accordance with the requirement of tender package**. We the Bank of _____ constituted and established under the _____ banking Companies Act. Acquisition and Transfer undertaking Act 1970 a company incorporated under Companies Act 1956 and Nationalised Bank, within the meaning of Reserve Bank Act 1934, Clause (e) of Section 2 having our Head office at _____do and hereby guarantee, undertake and agree to pay the NRANVP a sum of Rs. _____ (Rupees _____) upon receipt by us of your first demand in writing .

2. We, Bank of _____ further agree that the NRANVP shall be sole judge of and as to whether the Tenderer has committed any breach or breaches of any of the terms and conditions of the said Tender and the extent of loss, damage, costs, charges and expenses caused to or suffered by or that may be caused to or suffered by the NRANVP on account thereof and the

decision of the Chief Executive Officer, NRANVP that the Tenderer has committed such breach or breaches and as to the amount or amounts of losses, damage, costs, charges and expenses caused to or suffered by or that may be caused to or suffered by the NRANVP from time to time shall be final and binding on us.

3. We the said Bank further agree that the Guarantee herein contained shall remain in full force and effect during the period that the said tender shall be made valid for acceptance by the NRANVP and till all the dues of the NRANVP under the said Tender or by virtue of any of the terms and conditions governing the said Tender have been fully paid and its claims satisfied or discharged and till Chief Executive Officer, NRANVP certifies that the terms and conditions of the said Tender have been fully and properly carried out by the Tenderer and accordingly discharges this guarantee subject, however, that the NRANVP shall have no claim under this Guarantee after completion of the work or from the date of cancellation of the said contract, as the case may be, unless a notice of the claim under this Guarantee has been served on the Bank before the expiry of the said period of 6 (six) months from the deadline for receipt of tender i.e. in which case the same shall be enforceable against the Bank notwithstanding the fact that the same is enforced after the expiry of the said period of 6 (six) month from the date of receipt of tender.
4. The Chief Executive Officer, NRANVP shall have the fullest liberty without affecting in any way the liability of the Bank under this Guarantee of Indemnity, from time to time to vary any of the terms and conditions of the said Tender or to extend time for performance by the contractor or to postpone for any time and from time to time any of the power exercisable by it against the Tenderer and either to enforce or forbear from enforcing any of the terms and conditions governing the said Tender or securities available to the NRANVP and the said Bank shall not be relieved from its liability under these presents by an exercise by the NRANVP of the liberty with reference to the matters aforesaid or by reason of time being given to the or any other forbearance act or omission on the part of the NRANVP or by indulgence by the NRANVP to the Tenderer or of any other matter or thing whatsoever which under the law relating to sureties would but for this provision have the effect of so releasing the Bank from its such liability.
5. It shall not be necessary for the NRANVP to proceed against the Tenderer before proceeding against the Bank and the Guarantee herein contained shall be enforceable against the Bank, notwithstanding any Guarantee which the NRANVP may have obtained or obtain from the Tenderer shall at the time when proceedings are taken against the Bank hereunder be outstanding or unrealized.
6. We, the said Bank lastly undertake not to revoke this Guarantee during the currency except with the previous consent of the NRANVP in writing and agree that any change in the constitution of the Tenderer or the said Bank shall not discharge liability hereunder.
7. Our liability under this Bond is restricted to Rs. _____ and it will remain till the ____ Unless a claim under this guarantee is made within 6 (six) months from that date all your rights under the



said Guarantee shall be forfeited and we shall be relieved and discharged from all liability there under.

8. The bank guarantee is operable and encashable at Scheduled Commercial Bank in Raipur/Nava Raipur Atal Nagar Raipur _____(Branch Name) , _____(Branch code) _____(Branch address), _____(Email ID) , _____(Phone No.).

Dated this _____ the day of _____

For and on behalf of the Bank the above Guarantee is accepted by

Name of Bank



Form-9: Draft Format for Security Deposit

(On Rs.100/- (Rupees hundred only) Stamp Paper from a scheduled Bank and operatable in Raipur/Atal Nagar,Dist. Raipur, Chhattisgarh only)

To,

Chief Executive Officer,

Nava Raipur Atal Nagar Vikas Pradhikaran

Paryavas Bhawan, North Block, Sector-19,

Nava Raipur Atal Nagar ,Dist. Raipur 492 002, CHHATTISGARH

1. In consideration of the Nava Raipur Atal Nagar Vikas Pradhikaran of Chhattisgarh incorporated under Nagar Tatha Gram Nivesh Adhiniyam - 1973 (No. 23, Year 1973), having its office at Paryavas Bhawan, North Block, Sector-19, Nava Raipur Atal Nagar Raipur- 492 002, Chhattisgarh (hereinafter called "NRANVP" which expression shall unless repugnant to the subject or context include its successor and assigns) having agreed under the terms and conditions of Contract awarded to _____ (hereinafter called "the Contractor" which expression shall unless repugnant to the subject or context include his heirs, executors administrators and assigns/its successors and assigns) and the NRANVP in connection with _____ (hereinafter called "the Said Contract") to accept a **Security Deposit** as herein provided for Rs. _____ from a **Scheduled Commercial Bank and operatable in Raipur/ Nava Raipur Atal Nagar,Dist. Raipur,Chhattisgarh(Please Mention the name of Branch, Branch code and address with phone number and email id at Raipur/Nava Raipur Atal Nagar Dist. Raipur(C.G.))** in lieu of the security deposit to be paid for the due fulfillment by the Contractor as per the terms and conditions contained in the said Contract, We the Bank _____ constituted and established under the Banking Companies Acquisition and Transfer of Undertaking Act 1970 (hereinafter referred to as "the said Bank") and having our Head Office at _____ at the request of Contractor do hereby undertake to pay to the NRANVP an amount not exceeding Rs. _____ against any loss or damage caused to or suffered or would be caused to or suffered by the NRANVP by reason of breach or breaches by the said Contractor(s) of any of the terms and conditions contained in the said agreement, and to unconditionally pay the amount claimed by the NRANVP on demand and without demur to the extent expressed.
2. We _____ (name of Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the NRANVP stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the NRANVP by reason of breach by the said contractor of any of the terms or conditions contained in the said Agreement or by reason of the contractor(s) failure to perform the said Agreement. 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. _____.
3. We _____ (name of Bank) further agree that the Chief Executive Officer, NRANVP shall be the sole judge of and as to whether the contractor has committed any breach or breaches of any of the terms and conditions of the said contract and the extent of loss, damage, costs, charges and expenses caused to or suffered by or that may be caused to or suffered by the NRANVP on account thereof and the decision of the Chief Executive Officer, NRANVP that the Contractor has committed such breach or breaches and as to the amount or amounts of loss, damage, costs, charges and expenses caused to or suffered by or that may be caused to or suffered by the NRANVP from time to time shall be final and binding on us.
4. We undertake to pay to the Chief Executive Officer, NRANVP any money so demanded

notwithstanding any dispute or disputes raised by the Contractor/ supplier in any suit or proceeding pending before any court or Tribunal relating thereto our liability under this present being absolute and unequivocal.

The payment so made by us under this security bond shall be a valid discharge of our liability for payment there under and the contractor /supplier shall have no claim against us for making such payment.

5. We, _____ (indicate the name of Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of the NRANVP under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till the Chief Executive Officer, NRANVP certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the _____ we shall be discharged from all liability under this guarantee thereafter.
6. We _____ (indicate the name of the Bank) further agree with the Chief Executive Officer, NRANVP shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and condition 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 NRANVP 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 or commission on the part of the NRANVP or any indulgence by the NRANVP to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provisions have effect of so relieving us.
7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor/ Supplier(s).
8. We, _____ (indicate the name of Bank) lastly undertake not to revoke this guarantee during its currency except with the previous consent of the NRANVP in writing.
9. The bank guarantee will be operable and encashble at Raipur/Nava Raipur Atal Nagar _____ (Branch Name) , _____ (Branch code) _____ (Branch address), _____ (Email ID) _____ (Phone No.)

Dated this _____ day of _____
20..... for and on behalf of the Bank

The above Guarantee is accepted by the
NRANVP. For and on behalf of the NRANVP

Dated: _____

(Name and Designation)



Form-10: Draft Format for Performance Guarantee for Water Proofing and Anti Termite Works (for 10 Years)

(On Rs.100/- (Rupees hundred only) Stamp Paper from a scheduled Bank and operatable in Raipur/Atal Nagar,Dist. Raipur, Chhattisgarh only)

To,

Chief Executive Officer,

Nava Raipur Atal Nagar Vikas Pradhikaran

Paryavas Bhawan, North Block, Sector-19,

Nava Raipur Atal Nagar ,Dist. Raipur 492 002, CHHATTISGARH

1. In consideration of the Nava Raipur Atal Nagar Vikas Pradhikaran of Chhattisgarh incorporated under Nagar Tatha Gram Nivesh Adhiniyam - 1973 (No. 23, Year 1973), having its office at Paryavas Bhawan, North Block, Sector-19, Nava Raipur Atal Nagar Raipur- 492 002, Chhattisgarh (hereinafter called "NRANVP" which expression shall unless repugnant to the subject or context include its successor and assigns) having agreed under the terms and conditions of Contract awarded to _____ (hereinafter called "the Contractor" which expression shall unless repugnant to the subject or context include his heirs, executors administrators and assigns/its successors and assigns) and the NRANVP in connection with _____ (hereinafter called "the Said Contract") to accept a Performance Guarantee for **water proofing and anti termite** works as herein provided for Rs. _____ from a Scheduled Commercial Bank and operatable in Raipur/ Nava Raipur Atal Nagar,Dist. Raipur,Chhattisgarh(Please Mention the name of Branch, Branch code and address with phone number and email id at Raipur/Nava Raipur Atal Nagar Dist. Raipur(C.G.)) in lieu of the Performance Guarantee for water proofing and anti termite works to be paid for the due fulfillment by the Contractor as per the terms and conditions contained in the said Contract, We the Bank _____ constituted and established under the Banking Companies Acquisition and Transfer of Undertaking Act 1970 (hereinafter referred to as "the said Bank") and having our Head Office at _____ at the request of Contractor do hereby undertake to pay to the NRANVP an amount not exceeding Rs. _____ against any loss or damage caused to or suffered or would be caused to or suffered by the NRANVP by reason of breach or breaches by the said Contractor(s) of any of the terms and conditions contained in the said agreement, and to unconditionally pay the amount claimed by the NRANVP on demand and without demur to the extent expressed.
2. We _____ (name of Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the NRANVP stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the NRANVP by reason of breach by the said contractor of any of the terms or conditions contained in the said Agreement or by reason of the contractor(s) failure to perform the said Agreement. 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. _____.
3. We _____ (name of Bank) further agree that the Chief Executive Officer, NRANVP shall be the sole judge of and as to whether the contractor has committed any breach or breaches of any of the terms and conditions of the said contract and the extent of loss, damage, costs, charges and expenses caused to or suffered by or that may be caused to or suffered by the NRANVP on account thereof and the decision of the Chief Executive Officer, NRANVP that the Contractor has committed such breach or breaches and as to the amount or amounts of loss, damage, costs,



charges and expenses caused to or suffered by or that may be caused to or suffered by the NRANVP from time to time shall be final and binding on us'.

4. We undertake to pay to the Chief Executive Officer, NRANVP any money so demanded notwithstanding any dispute or disputes raised by the Contractor/ supplier in any suit or proceeding pending before any court or Tribunal relating thereto our liability under this present being absolute and unequivocal.

The payment so made by us under this Guarantee bond shall be a valid discharge of our liability for payment there under and the contractor /supplier shall have no claim against us for making such payment.

5. We, _____ (indicate the name of Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of the NRANVP under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till the Chief Executive Officer, NRANVP certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the _____ we shall be discharged from all liability under this guarantee thereafter.

6. We _____ (indicate the name of the Bank) further agree with the Chief Executive Officer, NRANVP shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and condition 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 NRANVP 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 or commission on the part of the NRANVP or any indulgence by the NRANVP to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provisions have effect of so relieving us.

7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor/ Supplier(s).

8. We, _____ (indicate the name of Bank) lastly undertake not to revoke this guarantee during its currency except with the previous consent of the NRANVP in writing.

9. The bank guarantee will be operable and encashable at Raipur/Nava Raipur Atal Nagar _____ (Branch Name) , _____ (Branch code) _____ (Branch address), _____ (Email ID) _____ (Phone No.)

Dated this _____ day of _____
20..... for and on behalf of the Bank

The above Guarantee is accepted by the
NRANVP. For and on behalf of the NRANVP

Dated: _____

(Name and Designation)



SCHEDULE– D
Section-II
Scope of work

Signature of Contractor.....

Signature of NRANVP.....



Works Requirement

This section provides a brief description of the scope of work, supplementary information, drawings, and other relevant details pertaining to the work covered under the present tender. The scope and details may vary depending upon site requirements and actual field conditions. Any modification, addition, deletion, or deviation considered necessary during execution shall be carried out as directed by the Engineer-in-Charge. The decision of the Engineer-in-Charge in this regard shall be final and binding upon the contractor.

1. SITE INFORMATION

1.1 Work Site

The work under this contract shall be executed at Paryawas Bhawan and the Integrated Command and Control Centre (ICCC) situated at Sector-19, Nava Raipur Atal Nagar, District Raipur (Chhattisgarh).

- 1.1.1 The Contractor shall plan and execute the work in such a manner as to accommodate any restrictions related to site access, availability of working space, and permissible working hours. No extra claim on account of such constraints shall be entertained, and the Contractor shall be deemed to have taken these factors into consideration while quoting and executing the work.

1.2 GENERAL CLIMATIC CONDITIONS

- 1.2.1 The area in which the work lies is mostly plain terrain.
- 1.2.2 The highest and lowest temperatures in general range from 48 degree Celsius to 8 degrees Celsius.
- 1.2.3 Summer season is from April to June and winter season is from November to March.
- 1.2.4 The mean average annual rainfall in the area over a five-year period is of the order of 1065mm, a good portion of which is concentrated during July to mid-September, when about 75% of the annual rainfall occurs.
- 1.2.5 Nava Raipur Atal Nagar experiences extreme climatic conditions and Bidders must acquaint themselves about the same before submitting the Bid. The Employer shall in no way be responsible on this account.

The above site information is provided to the bidders in good faith for general guidance only. The bidders are advised to visit the site and obtain all relevant information, data, and clarifications as may be deemed necessary by them before submitting their bids. No claim whatsoever, on account of any discrepancy,

Signature of Contractor.....

Signature of NRANVP.....



omission, or variation in the information provided above, shall be entertained after submission of the bid, and the same shall not relieve the contractor of any of his obligations under the contract.

2. GENERAL REQUIREMENTS APPLICABLE FOR ALL SCOPES OF WORK

1. The Contractor shall attend all complaints related to the operation, repair, replacement, and maintenance of the Electrical Systems (HT & LT), Building Electrification Works, DG Sets, UPS Systems, Fire Alarm Systems, and Telephone/Intercom (EPABX) Systems during the contract period.
2. The Contractor shall carry out preventive, routine, and breakdown maintenance of the Electrical Systems (HT & LT), including transformers, HT/LT panels, cables, capacitor banks, building electrification installations, and associated equipment. Preventive maintenance shall be carried out as per the approved maintenance schedule, and reports thereof shall be submitted to NRANVP after each maintenance activity.
3. The Contractor shall provide comprehensive, preventive, and breakdown maintenance services for the DG Sets, UPS Systems, and Fire Alarm Systems, including supply and replacement of defective parts, consumables, and accessories as covered under the respective comprehensive maintenance agreements.
4. The Contractor shall provide Comprehensive Annual Maintenance Contract (CAMC) services for the Telephone Sets, Intercom Network, EPABX System, and associated cabling and accessories, ensuring uninterrupted operation of the communication system.
5. The Contractor shall maintain all necessary records and registers, including complaint registers, preventive maintenance registers, breakdown maintenance registers, equipment history sheets, and service reports for transformers, HT panels, LT panels, HT/LT cables, APFC panels, DG sets, UPS systems, Fire Alarm Systems, Building Electrification installations, and Telephone/EPABX systems. Copies of maintenance reports shall be submitted periodically to NRANVP.
6. The scope of work shall include the complete upkeep, operation, maintenance, testing, servicing, fault rectification, repair, and replacement of components necessary for ensuring reliable and continuous operation of all systems covered under this contract.
7. The Contractor shall provide operation and monitoring services for the Electrical Systems (HT & LT), Building Electrification Works, DG Sets, UPS Systems, Fire Alarm Systems, Telephone Systems, EPABX Systems, and all associated installations as specified in the contract.
8. Before quoting rates, bidders shall thoroughly inspect the site and familiarize themselves with the existing Electrical Systems, Building Electrification Works, DG Sets, UPS Systems, Fire Alarm Systems, Telephone/Intercom/EPABX Systems, and all associated installations. No claim arising out of lack of knowledge of site conditions or system details shall be entertained subsequently.
9. The Contractor shall maintain adequate stock of essential spare parts, consumables, and maintenance materials at site to ensure prompt rectification of faults and uninterrupted operation of the systems covered under the contract.

Signature of Contractor.....

Signature of NRANVP.....

10. The Contractor shall ensure that all maintenance activities are carried out by qualified and experienced personnel and in accordance with relevant IS standards, OEM recommendations, statutory regulations, and safety requirements.

11. SITE CLEANING: Upon completion of the work, the Contractor shall thoroughly clean all affected areas and restore the site to a neat and orderly condition. All floors, walls, doors, windows, equipment surfaces, panels, fixtures, and other installations associated with the work shall be cleaned to the satisfaction of the Engineer-in-Charge and the Employer.

The Contractor shall ensure that all debris, dismantled materials, packing materials, waste, scrap, and rubbish generated during the execution of the work are removed from the site on

a daily basis and disposed of in accordance with applicable regulations and the directions of the Engineer-in-Charge.

No separate payment shall be made for cleaning, housekeeping, collection, transportation, or disposal of waste materials, and all costs associated therewith shall be deemed to be included in the rates quoted by the Contractor.

12. WARRANTIES/GUARANTEES- The Contractor shall furnish to NRANVP all applicable warranties, guarantees, OEM certificates, user manuals, operation and maintenance manuals, test reports, commissioning records, and contact details of manufacturers/service providers for all materials, equipment, and systems installed, repaired, or replaced under the contract. Such documents shall be submitted upon completion of the maintenance work and whenever any equipment or component is replaced during the contract period.

The Contractor shall also ensure the transfer and validity of all applicable manufacturer warranties and guarantees in favour of NRANVP and provide necessary assistance for availing warranty services during the warranty period.

13. NRANVP and/or the Engineer-in-Charge/Site-in-Charge shall have the right, at any time, to inspect, examine, and test any materials, equipment, components, consumables, or workmanship intended for use in the works.

14. Such inspection and examination may be carried out at the project site, manufacturer's works, workshop, testing laboratory, storage yard, supplier's premises, or any other location where the materials or equipment are manufactured, assembled, tested, stored, or procured. The Contractor shall

Signature of Contractor.....

Signature of NRANVP.....

provide all necessary assistance, access, labour, tools, and facilities required for carrying out such inspections without any additional cost to NRANVP.

15. In respect of any class of work for which no specific specification is provided in the tender documents, the work shall be executed in accordance with the latest relevant Indian Standards (IS), National Building Code (NBC), Central Electricity Authority (CEA) Regulations, statutory requirements, and accepted engineering practices. In the absence of applicable Indian Standards, the work shall be carried out in accordance with sound engineering practices and as directed by the Engineer-in-Charge/Site-in-Charge.
16. In the event of any breakdown, malfunction, abnormal operation, or failure of any electrical equipment, DG Set, UPS System, Fire Alarm System, Telephone/EPABX System, or any associated installation, the Contractor shall immediately inform the Engineer-in-Charge/Site-in-Charge and coordinate with the concerned OEM/service provider for prompt diagnosis and rectification. The Contractor shall keep the Engineer-in-Charge informed of the status of rectification until the system is restored to normal operation.

17. Initial Third-Party/OEM Health Assessment of Electrical Systems

The Contractor shall, within **30 (Thirty) days** from the date of award/commencement of the contract, engage a competent **Third-Party Testing Agency** or the respective **OEM** for carrying out a comprehensive health assessment, testing, inspection, and performance evaluation of all major electrical systems installed in the building.

The scope of assessment shall include, but not be limited to, the following equipment:

1. HT Switchgear / VCB Panels and associated protection systems.
2. Transformers along with associated accessories and protection systems.
3. LT Panels, PCC, MCC, APFC Panels, Bus Ducts and Distribution Boards.
4. DG Sets including AMF Panels and associated systems.
5. UPS Systems, Battery Banks and associated control equipment.

The assessment shall include all necessary testing, measurements, thermographic scanning, insulation resistance tests, relay testing, battery health checks, functional verification, safety inspections, and any other tests recommended by the OEM or applicable standards.

Signature of Contractor.....

Signature of NRANVP.....



Based on the inspection and testing, the Third-Party Agency/OEM shall submit a detailed report indicating:

1. Existing condition and health status of the equipment.
2. Deficiencies, abnormalities, and safety concerns observed.
3. Remaining useful life assessment, wherever applicable.
4. Recommendations for repair, replacement, rectification, or preventive maintenance.
5. Compliance status with relevant IS/IEC standards and statutory requirements.

The Contractor shall submit the complete Third-Party/OEM Health Assessment Report to the Engineer-in-Charge within **30 days** from the commencement of the contract. Any deficiencies identified in the report shall be attended by the Contractor within the time period specified by the Engineer-in-Charge.

Submission of the above Third-Party/OEM Health Assessment Report within the stipulated period shall be a mandatory requirement. No O&M/AMC payment shall be released to the Contractor unless the required inspection, testing, and submission of the Third-Party/OEM report have been completed and accepted by the Engineer-in-Charge. Any delay in submission beyond the stipulated period shall attract penalties as per contract provisions and may result in withholding of payments until compliance.

3. Scope of Work

The scope of work under this contract shall include comprehensive, preventive, and breakdown maintenance of all electrical and allied systems installed at the premises.

Comprehensive Maintenance shall include routine servicing, inspection, testing, adjustment, repair, replacement of defective components, consumables, accessories, and all activities necessary to ensure reliable and uninterrupted operation of the systems covered under the contract.

Preventive Maintenance shall be carried out periodically as per the approved maintenance schedule, OEM recommendations, applicable standards, and the requirements specified in this tender document.

Breakdown Maintenance shall be undertaken immediately upon occurrence of any fault, malfunction, or failure in the system. The Contractor shall attend to breakdown complaints on priority and take all necessary actions to restore the affected system to normal operation within the stipulated response and repair time. The Contractor shall coordinate with the Engineer-in-Charge and the respective OEM/service provider, wherever

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required, for fault diagnosis, procurement of spare parts, repairs, and restoration of services. All infrastructure, tools, tackles, testing instruments, consumables, manpower, and site support required for maintenance activities shall be arranged by the Contractor without any delay.

The Contractor shall perform the following maintenance activities for the respective systems:

1. HT & LT Electrical Distribution System

- Transformers
- HT Switchgear Panels
- LT Panels, PCC, MCC, APFC Panels
- Earthing and Lightning Protection System
- HT/LT Power and Control Cables
- Bus Duct System
- Rising Main System
- Associated Protection, Metering, and Control Equipment

2. Building Electrification System

- Internal Lighting Fixtures
- LED Lights, Tube Lights, and Decorative Lighting Fixtures
- Ceiling Fans
- Exhaust Fans
- Wiring and Cabling Network
- Switches, Sockets, and Accessories
- Power Points
- Distribution Boards (DBs)

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- MCBs, MCCBs, RCCBs, Isolators, and Associated Switchgear

3. Street Lighting System

- Switching ON/OFF and Monitoring of Street Lighting Circuits
- Maintenance and Repair of Street Light Fixtures
- Maintenance of Poles, Junction Boxes, Cables, and Associated Accessories
- Rectification of Faults in Street Lighting Network

4. Diesel Generator (DG) Sets

- Parts Holding Services
- Replacement of Defective Parts and Consumables
- Preventive Maintenance Services
- Corrective/Breakdown Maintenance
- Testing, Operation, and Performance Monitoring
- Maintenance of AMF Panels and Associated Systems

5. Telephone, Intercom and Internet Network

- Monitoring and Ensuring Healthiness of Telephone and Data Network
- Preventive Inspection and Testing
- Fault Detection and Rectification
- Maintenance of Telephone Sets, Intercom System, EPABX System, and Associated Cabling
- Coordination with Service Providers, as required

6. UPS System

- Parts Holding Services

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- Replacement of Defective Components and Consumables
- Preventive Maintenance Services
- Corrective/Breakdown Maintenance
- Battery Health Monitoring and Testing
- Functional Testing of UPS System and Associated Battery Banks

7. Fire Alarm System

- Scheduled Preventive Maintenance as per OEM Recommendations
- Inspection, Testing, and Calibration of System Components
- Repair and Replacement of Faulty Components
- Maintenance of Fire Alarm Control Panels, Detectors, MCPs, Hooters, Modules, and Associated Cabling
- Functional Testing of Complete Fire Alarm System
- The Contractor shall ensure that all systems remain operational, safe, and compliant with applicable statutory regulations, OEM recommendations, and good engineering practices throughout the contract period.

4. Maintenance Schedule of work

Existing Electrical Infrastructure

A. Paryawas Bhawan, Sector-19, Nava Raipur Atal Nagar

The electrical power supply to Paryawas Bhawan is received at 33 kV from the 33/11 kV Substation located at Sector-18 through an underground incoming feeder. The voltage is stepped down to 433 V through 02 (Two) Nos. 1000 kVA, 33/0.433 kV Dry-Type Transformers along with associated HT/LT switchgear, protection systems, capacitor banks, HT/LT power cables, control cables, earthing system, and other allied equipment.

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Power is distributed throughout the building and associated services through various HT/LT switchgear panels, PCCs, MCCs, APFC panels, distribution boards, bus ducts, and underground cable networks.

During failure of the main power supply, emergency power is provided through 02 (Two) Nos. 200 kVA Sterling Make Silent Diesel Generator Sets along with associated AMF panels and accessories.

B. Integrated Command and Control Centre (ICCC), Sector-19, Nava Raipur Atal Nagar

The electrical power supply to the ICCC Building is received at 11 kV from the Substation located at Sector-18 through an underground incoming feeder. The voltage is stepped down to 433 V through 01 (One) No. 500 kVA and 01 (One) No. 200 kVA, 11/0.433 kV Transformers along with associated HT/LT switchgear, capacitor banks, power cables, control cables, protection systems, and allied equipment.

Power distribution within the facility is carried out through HT/LT switchgear panels, PCCs, MCCs, APFC panels, distribution boards, and underground cable networks.

During failure of the main power supply, emergency power is provided through 01 (One) No. 200 kVA and 01 (One) No. 160 kVA Sterling Make Silent Diesel Generator Sets along with associated AMF panels and accessories.

Scope Boundary

The scope of maintenance shall commence from the outgoing terminals of the utility metering cubicles and shall include all electrical systems and equipment up to the terminal points of the building electrical installations, including but not limited to:

- Transformers
- HT & LT Switchgear Panels
- PCC, MCC, APFC Panels
- Bus Ducts and Rising Mains
- HT/LT Power and Control Cables
- Distribution Boards
- Building Electrification Systems

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- DG Sets and Associated AMF Panels
- UPS Systems
- Earthing Network and Earth Stations
- Lightning Protection System
- Associated Electrical Accessories and Ancillary Equipment

Maintenance Schedule

1. HT & LT Distribution System

A. Transformers

Installed Capacity

Paryawas Bhawan

02 Nos. 1000 kVA, 33/0.433 kV Dry-Type Transformers

ICCC Building

01 No. 500 kVA, 11/0.433 kV Transformer

01 No. 200 kVA, 11/0.433 kV Transformer

Hourly Inspection

- a) Observe and record load current (Amperes) and voltage on all phases and verify that values are within permissible operating limits.
- b) Visually inspect transformer terminals, busbar connections, and cable terminations for overheating, discoloration, burning marks, or loose connections.
- c) Observe transformer temperature indications and verify normal operation of cooling arrangements.
- d) Check for any abnormal humming, vibration, smell, or unusual internal noise.

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- e) Record observations in the Transformer Log Book during each shift.

Half-Yearly Maintenance

- a) Measure and record Insulation Resistance (IR) values of transformer windings using a suitable insulation resistance tester (Megger) of appropriate rating. Ambient temperature at the time of testing shall also be recorded.
- b) Check the operation of temperature alarms, trip contacts, and indications by simulated operation.
- c) Carry out Tan Delta testing of transformer bushings and record results.
- d) Measure and record magnetizing current at normal tap position as well as at extreme tap positions.
- e) Check and calibrate the tap position indicator and associated indications.
- f) Inspect all gaskets, seals, and joints and replace damaged gaskets wherever deterioration, leakage, or damage is observed.
- g) Check all cable terminations, busbar joints, and earthing connections for tightness and signs of overheating.
- h) Clean transformer enclosure, ventilation openings, insulators, and terminal boxes.
- i) Verify proper operation of all protection devices, indications, alarms, and interlocks associated with the transformer.

B. Vacuum Circuit Breakers (VCBs)

Daily Inspection

- a) Check the healthiness and availability status of the VCB.
- b) Observe and record breaker ON/OFF indication and spring charging status.
- c) Check for any abnormal sound, smell, overheating, sparking, or visible defects.
- d) Verify that protection relays, indications, alarms, and annunciation systems are functioning properly.
- e) Check the panel space heater/anti-condensation arrangement for proper operation.

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Monthly Maintenance

- a) Clean the breaker compartment, panel interior, and accessible insulating surfaces using a vacuum cleaner, dry compressed air, or blower.
- b) Clean and inspect auxiliary contacts and terminal connections.
- c) Check tightness of nuts, bolts, busbar joints, cable terminations, and earthing connections.
- d) Check local and remote operation of the breaker.
- e) Verify proper functioning of anti-condensation heaters and panel ventilation arrangements.
- f) Check operation of spring charging motor and motor control circuit.
- g) Apply approved anti-corrosion spray on metallic parts wherever required.
- h) Check operation of mechanical and electrical interlocks.
- i) Verify operation of breaker position indication, trip circuit healthy indication, and spring charged indication.

Half-Yearly Maintenance

- a) Measure and record opening and closing timings of the circuit breaker poles.
- b) Carry out complete inspection, servicing, lubrication, and greasing of all moving mechanical parts as per OEM recommendations.
- c) Check operation of auxiliary circuits, control circuits, and indication circuits.
- d) Measure and record spring charging/recharging time of the operating mechanism.
- e) Perform functional checks of tripping, closing, protection, and interlocking operations.
- f) Measure insulation resistance of control wiring, auxiliary circuits, and breaker insulation using a suitable Megger.
- g) Measure and record panel humidity and verify proper functioning of anti-condensation arrangements.
- h) Check operation of trip coils, closing coils, and spring charging motor.

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- i) Perform functional testing of trip circuits and trip circuit supervision schemes.
- j) Clean breaker body, insulating components, bushings, shutters, and panel interiors.
- k) Check contact wear indicators and mechanical operation counters.
- l) Verify continuity and effectiveness of earthing connections.
- m) Carry out primary and secondary injection testing, wherever required and as directed by the Engineer-in-Charge.
- n) Replace defective components such as auxiliary contacts, indicating lamps, relays, coils, limit switches, and mechanical parts as required.

C. Lightning Arresters (Surge Arresters)

Monthly Inspection

- a) Check and record surge counter readings.
- b) Visually inspect the arrester body for cracks, damage, flashover marks, contamination, or abnormal conditions.
- c) Clean porcelain/polymeric insulators and external surfaces.
- d) Check earthing connections and surge counter connections for tightness and corrosion.

Quarterly Maintenance

- a) Remove bird nests, dust accumulation, vegetation, and any foreign materials in the vicinity of the arrester installation.
- b) Monitor and record leakage current values, wherever monitoring facilities are available.
- c) Maintain records of surge arrester operations based on counter readings. Any abnormal increase in the number of operations shall be immediately reported to the Engineer-in-Charge.
- d) Check the condition of supporting structures, clamps, connectors, and terminals.

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- a) Test surge counters and associated accessories.
- b) Measure insulation resistance and continuity of earthing connections.
- c) Verify effectiveness of surge arrester grounding system.
- d) Carry out visual and mechanical inspection of all mounting arrangements.

Repairs and Replacement

- a) Replacement of damaged or failed lightning arresters, surge counters, connectors, supports, and associated accessories.
- b) Rectification of damaged earthing connections and mounting structures.

D. Current Transformers (CTs)

Daily Inspection

- a) Visual inspection of Current Transformers, terminal boxes, secondary wiring, and support structures.
- b) Check for abnormal heating, cracks, flashover marks, loose connections, or physical damage.

Monthly Maintenance

- a) Clean CT insulators, bushings, and terminal boxes.
- b) Inspect insulators for cracks, chipping, tracking, contamination, or deterioration.
- c) Check secondary wiring, terminal connections, shorting links, and earthing connections for tightness and integrity.
- d) Ensure that CT secondary circuits are properly terminated and are not left open-circuited.

Half-Yearly Maintenance

- a) Measure and record Insulation Resistance (IR) values of CT primary and secondary circuits.
- b) Verify polarity markings and terminal identification.
- c) Check healthiness of secondary circuits and protection wiring.

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- d) Inspect mounting arrangements, support structures, and earthing connections.
- e) Check pressure relief diaphragm (where provided by OEM) and replace if found defective.

Yearly Maintenance

- a) Verify CT ratio and polarity.
- b) Measure continuity of secondary circuits.
- c) Inspect CT terminal boxes and shorting links.
- d) Verify earthing of CT secondary circuits.
- e) Check metering and protection core connections.
- f) Carry out thermographic scanning of CT terminals and connections.

E. Voltage Transformers (VTs/PTs)

Daily Inspection

- a) Check for abnormal sound, vibration, overheating, or visible damage.
- b) Verify healthiness of voltage indications and metering circuits.

Monthly Maintenance

- a) Clean bushings, insulators, and terminal boxes.
- b) Inspect for cracks, contamination, flashover marks, or deterioration.
- c) Check tightness of primary and secondary connections.

Half-Yearly Maintenance

- a) Measure and record Insulation Resistance (IR) values.
- b) Check secondary voltage circuits and fuse arrangements.
- c) Verify accuracy of voltage indications and metering circuits.

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d) Inspect pressure relief diaphragm (where provided by OEM).

e) Check earthing arrangements and mounting hardware.

Yearly Maintenance

a) Verify PT ratio and secondary voltage values.

b) Inspect HRC fuses and fuse carriers.

c) Verify VT/PT secondary earthing arrangements.

d) Functional testing of voltage sensing circuits connected to relays and meters.

e) Carry out thermographic scanning of PT terminals and connections.

F. Control, Protection and Relay Panels

Daily Inspection

a) Check for abnormal sound, overheating, sparking, loose connections, or malfunctioning components.

b) Verify operation of indication lamps, annunciation system, bells, buzzers, hooters, and alarm circuits.

c) Check healthiness of relays, meters, auxiliary relays, contactors, and control circuits.

d) Verify annunciation windows and investigate active alarm indications.

e) Ensure ingress protection integrity of panel enclosures.

f) Clean relay cases, indication windows, and accessible panel surfaces.

g) Check DC supply availability, polarity, and healthiness.

h) Conduct visual inspection of wiring and terminal connections.

Monthly Maintenance

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- a) Verify proper functioning of ammeters, voltmeters, multifunction meters, relays, contactors, selectors, and indicating devices.
- b) Clean panel interiors using vacuum cleaners or dry compressed air.
- c) Check all cable terminations, glands, lugs, ferrules, and crimped joints for overheating and tightness.
- d) Inspect fuse links, fuse holders, MCBs, and control circuit protection devices.
- e) Check control wiring and protection schemes for proper operation.
- f) Tighten all earthing connections.
- g) Verify operation of panel heaters, thermostats, and anti-condensation arrangements.

Half-Yearly Maintenance

- a) Verify relay settings against approved setting sheets.
- b) Functional testing of trip circuits.
- c) Check relay event logs and fault records.
- d) Verify relay communication ports and SCADA connectivity, wherever provided.
- e) Inspect relay auxiliary power supply circuits.

Yearly Maintenance

- a) Functional testing of MCBs, relays, TNC switches, selector switches, and indication circuits.
- b) Testing and calibration of protection relays.
- c) Verification of relay settings and protection coordination.
- d) Measurement of insulation resistance of control wiring and auxiliary circuits.
- e) Functional testing of annunciation systems and trip circuits.
- f) Secondary injection testing of protection relays.

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- g) Testing of over-current, earth fault, under-voltage, over-voltage, and other protection functions.
- h) Backup and preservation of relay settings and configuration files.
- i) Testing of breaker failure and lockout schemes, wherever applicable.

Repairs and Replacement

Defective and non-repairable components shall be repaired or replaced, including MCBs, contactors, protection relays, auxiliary relays, cable terminations, glands, TNC switches, selector switches, indicating lamps, ammeters, voltmeters, multifunction meters, fuse holders, fuse links, terminal blocks, wiring accessories, and associated components.

G. HT Switchgear Panels (11 kV / 33 kV VCB Panels)

Daily Inspection

- a) Visual inspection of panels, breaker compartments, busbar chambers, cable compartments, and relay compartments.
- b) Verify operation of indication lamps, TNC switches, selector switches, meters, and energy meters.
- c) Check healthiness of protection relays, trip circuit healthy indications, spring charged indications, and alarm systems.
- d) Verify operation of panel heaters and anti-condensation arrangements.
- e) Observe for abnormal sound, smell, overheating, or visible defects.

Quarterly Maintenance

- a) Thorough visual inspection of complete switchgear panels.
- b) Check healthiness of control and protection schemes.
- c) Verify operation and accuracy of panel meters and indications.
- d) Check panel heater circuits and rectify defects if any.
- e) Inspect handles, shutters, locks, doors, and interlocking mechanisms.

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- f) Ensure proper closing and sealing of panel doors and covers.
- g) Check and seal cable entry openings to prevent ingress of dust, moisture, rodents, and insects.
- h) Tighten all earthing connections and panel bonding conductors.
- i) Clean busbar chambers and panel interiors.

Yearly Maintenance

- a) Measure and record insulation resistance of main busbars.
- b) Check all busbar joints, cable terminations, and control wiring terminations for tightness.
- c) Check CT, VT/PT, relay, meter, and auxiliary wiring connections.
- d) Test protection relays, meters, CTs, and VTs/PTs.
- e) Measure insulation resistance of circuit breakers and associated circuits.
- f) Measure breaker opening and closing times.
- g) Conduct vacuum integrity test of VCB interrupters as per OEM recommendations.
- h) Measure and record contact resistance using a micro-ohm meter.
- i) Check control circuits, trip circuits, closing circuits, and annunciation systems.
- j) Inspect earthing system connections and verify tightness.
- k) Verify operation of all electrical and mechanical interlocks.
- l) Check and reseal all cable entry openings.
- m) Verify operation of spring charging mechanism, trip coils, closing coils, and auxiliary contacts.
- n) Carry out thermographic scanning of busbar joints, cable terminations, breaker contacts, CT/PT terminals, and power connections.
- o) Measure earth continuity resistance of panel structures and earthing conductors.

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- p) Verify breaker operation counter and maintenance records.
- q) Carry out secondary injection testing of protection schemes and tripping circuits.
- r) Functional testing of annunciation schemes, alarm circuits, mimic indications, and interlocks.
- s) Verify trip circuit healthy supervision schemes.
- t) Inspect and clean busbar insulation sleeves, barriers, shutters, and insulating partitions.
- u) Inspect panel heaters, thermostats, ventilation arrangements, and anti-condensation devices.
- v) Verify condition of ferrules, cable markers, danger notices, and identification labels.
- w) Verify operation of panel illumination and maintenance sockets.

Repairs and Replacement

Any defective or malfunctioning component identified during operation or maintenance shall be repaired or replaced, including VCB mechanisms, protection relays, CTs, VTs/PTs, indicating lamps, TNC switches, meters, contactors, auxiliary relays, control switches, trip coils, closing coils, heaters, terminal blocks, wiring accessories, mechanical interlocks, and electrical interlocks.

I. LT Panels (PCC, MCC, APFC, LT Distribution Panels)

Daily Inspection

- a) Visual inspection of LT panels, busbar chambers, cable compartments, and associated equipment.
- b) Check operation of indication lamps, selector switches, ammeters, voltmeters, multifunction meters, energy meters, and annunciation systems.
- c) Verify proper functioning of relays, contactors, MCCBs, ACBs, and associated protection devices.
- d) Observe for abnormal heating, smell, sparking, loose connections, or unusual noises.
- e) Check panel ventilation, cooling arrangements, and anti-condensation heaters, wherever provided.

Quarterly Maintenance

- a) Thorough visual inspection of panels and associated components.

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- b) Check and seal cable entry holes to prevent ingress of dust, moisture, rodents, and insects.
- c) Check healthiness of control circuits, control transformers, relays, and switchgear.
- d) Verify operation of indication lamps and replace defective lamps wherever required.
- e) Verify operation and accuracy of panel meters and replace defective meters if required.
- f) Check fuses, fuse holders, HRC fuses, and replace defective units as necessary.
- g) Inspect busbar joints, supports, insulation barriers, and busbar sleeves for overheating, discoloration, or damage.
- h) Tighten busbar joints, cable terminations, gland plates, and all mechanical fasteners.
- i) Clean busbar chambers and panel interiors using approved vacuum cleaners or dry compressed air.
- j) Tighten all earthing connections and verify continuity.
- k) Clean internal and external panel surfaces.
- l) Check operation of MCCBs, ACBs, contactors, timers, and protective devices.
- m) Verify healthiness of capacitor banks, APFC relays, contactors, and capacitor protection devices, wherever applicable.

Yearly Maintenance

- a) Check healthiness of control circuits and associated switchgear.
- b) Inspect and ensure proper closing and locking of panel doors, covers, gaskets, and sealing arrangements.
- c) Clean circuit breakers and lubricate moving parts as per OEM recommendations.
- d) Check alignment and operation of draw-out/racking mechanisms for smooth movement of breakers.
- e) Inspect breaker contacts for wear, erosion, pitting, or overheating.
- f) Verify operation of mechanical and electrical interlocks.
- g) Check operation of limit switches, auxiliary contacts, and indication circuits.

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- h) Inspect earth connections and verify tightness.
- i) Measure and record insulation resistance of circuit breakers and associated circuits.
- j) Measure and record contact resistance of breaker poles using a micro-ohm meter.
- k) Measure breaker opening and closing times wherever applicable.
- l) Perform functional operation testing of all circuit breakers.
- m) Measure and record insulation resistance of main busbars.
- n) Check all power and control cable terminations for tightness.
- o) Check CT, PT, relay, and meter wiring connections.
- p) Test panel relays, meters, CTs, and PTs as applicable.
- q) Carry out thermographic scanning of busbar joints, breaker contacts, cable terminations, and critical power connections.
- r) Verify operation of panel heaters, thermostats, ventilation systems, and anti-condensation devices.
- s) Verify condition of danger notices, ferrules, cable markers, and identification labels.
- t) Check operation and calibration of multifunction meters and energy meters.

Repairs and Replacement

Any defective component identified during inspection, operation, or maintenance shall be repaired or replaced, including but not limited to:

- ACBs, MCCBs, MCBs
- Contactors and Overload Relays
- Protection Relays
- Energy Meters and Multifunction Meters
- Selector Switches

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- Indicating Lamps
- Fuses and Fuse Holders
- CTs and PTs
- Capacitors and APFC Components
- Busbar Insulation Accessories
- Cable Terminations and Glands
- Control Wiring Accessories
- Mechanical and Electrical Interlocks

J. 415 V Distribution System (Main Distribution Boards and Sub-Distribution Boards)

Daily Inspection

- a) Visual inspection of Main Distribution Boards (MDBs), Sub-Distribution Boards (SDBs), and associated switchgear.
- b) Check operation of indication lamps, selector switches, ammeters, voltmeters, MCBs, MCCBs, RCCBs, RCBOs, and associated accessories.
- c) Observe for overheating, sparking, loose connections, burning smell, or abnormal conditions.
- d) Verify that all covers, doors, and safety barriers are properly secured.

Quarterly Maintenance

- a) Verify that all distribution boards maintain the required ingress protection (IP) rating.
- b) Check incoming and outgoing cable terminations for tightness and overheating.
- c) Carry out routing and termination of additional indoor flexible cables for new loads, if required and approved by the Engineer-in-Charge.
- d) Ensure proper ferruling, tagging, and identification of all newly added circuits and cables.

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- e) Clean internal and external surfaces of distribution boards.
- f) Tighten all earthing connections and verify earth continuity.
- g) Check operation of MCBs, MCCBs, RCCBs, RCBOs, and isolators.
- h) Inspect neutral and earth busbars for tightness and overheating.
- i) Verify healthiness of circuit labels, danger notices, and identification markings.

Yearly Maintenance

- a) Measure and record insulation resistance of distribution boards and outgoing circuits.
- b) Tighten all incoming and outgoing cable terminations.
- c) Inspect busbars, neutral links, earth bars, and supports.
- d) Verify operation of protective devices including MCBs, MCCBs, RCCBs, and RCBOs.
- e) Carry out thermographic scanning of incoming and outgoing connections.
- f) Check panel earthing and continuity.
- g) Verify calibration and operation of meters, wherever installed.

Repairs and Replacement

Any defective component found during inspection or operation shall be repaired or replaced, including:

- MCBs, MCCBs, RCCBs, RCBOs
- Indication Lamps
- Switches and Isolators
- Busbar Supports
- Neutral and Earth Links
- Cable Terminations and Glands

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- Distribution Board Accessories
- Identification Labels and Circuit Markers
- All repair and replacement works shall be carried out as directed by the Engineer-in-Charge and in accordance with applicable standards and OEM recommendations.

K. Cable Network (HT, LT and Control Cables)

Monthly Maintenance

- a) Visual inspection of HT, LT, and control cables along their accessible routes, trenches, ducts, cable trays, and termination points.
- b) Check cable terminations, joints, glandings, lugs, ferrules, and connectors for overheating, corrosion, damage, moisture ingress, and loose connections.
- c) Tighten cable terminations and carry out re-termination/re-jointing wherever required.
- d) Inspect cable identification tags, markers, route indicators, and warning signs.
- e) Check condition of cable trenches, ducts, covers, cable trays, supports, and clamps.
- f) Measure and record insulation resistance (IR) values of HT/LT cables using suitable insulation testers as per voltage rating.
- g) Inspect all end termination joints and intermediate joints for signs of overheating, tracking, partial discharge, or deterioration.

Half-Yearly Maintenance

- a) Detailed inspection of cable routes, supports, trays, ducts, and cable entry points.
- b) Thermographic scanning of major cable terminations, joints, and critical power connections.
- c) Verification of cable earthing and bonding arrangements.
- d) Rectification of damaged cable markers, ferrules, and identification tags.

Repairs and Replacement

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- a) Repair or replacement of damaged cable terminations, glands, lugs, ferrules, cable supports, cable trays, and associated accessories.
- b) Rectification of damaged cable insulation, joints, and terminations as required.

L. Earthing System and Lightning Protection Earthing

Quarterly Maintenance

- a) Check all earthing connections, joints, clamps, earth strips, and conductors for corrosion, looseness, or damage and carry out tightening as required.
- b) Inspect earth pit chambers, covers, watering arrangements, and earth electrodes.
- c) Maintain adequate moisture content in earth pits by watering wherever required.
- d) Measure and record earth resistance values of all earth pits and equipment earthing points.
- e) Take corrective measures to improve earth resistance wherever values exceed permissible limits.
- f) Verify continuity of earthing conductors connected to transformers, HT/LT panels, DG sets, UPS systems, cable trays, rising mains, and lightning protection systems.

Yearly Maintenance

- a) Comprehensive earth resistance testing and preparation of test reports.
- b) Verification of lightning protection earth continuity and bonding network.
- c) Inspection of all earth strips and buried earth conductors at accessible locations.

M. Electrical Meters (Analog, Digital and Multifunction Meters)

Yearly Maintenance

- a) Check each analog, digital, multifunction, and energy meter for correct operation and display.
- b) Verify meter indications against reference measurements.

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- c) Calibration of indicating meters wherever applicable.
- d) Check CT/PT ratio settings and communication parameters of multifunction meters.
- e) Verify operation of energy meters, demand meters, and associated indication circuits.
- f) Clean meter terminals and tighten electrical connections.
- g) Check healthiness of communication ports and SCADA connectivity, wherever applicable.

Repairs and Replacement

- a) Replacement of defective analog meters, digital meters, multifunction meters, transducers, communication modules, and associated accessories.

N. Protective Relays

Quarterly Maintenance

- a) Visual inspection of all protection relays and relay panels.
- b) Cleaning of relay fronts, displays, and accessible surfaces.
- c) Check healthiness of auxiliary power supply and indication LEDs.
- d) Verify relay communication status and event logging functions.

Yearly Maintenance

- a) Functional testing of each relay by secondary injection testing.
- b) Verification of relay operation for all protection functions.
- c) Calibration and testing of protection relays as per OEM recommendations.
- d) Verification of current and voltage settings as per approved protection coordination studies.

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- e) Verification of time-current characteristics and relay operating curves.
- f) Check trip circuit operation and associated annunciation functions.
- g) Download and review relay event logs and fault records.
- h) Backup and preservation of relay settings and configuration files.
- i) Verification of SCADA communication and remote monitoring functions, wherever provided.

Repairs and Replacement

- a) Replacement of defective relays, auxiliary relays, communication modules, display units, and associated accessories.

O. 415 V Rising Main System and End Feed Unit

Monthly Maintenance

- a) Visual inspection of rising main bus ducts, tap-off units, end feed units, joints, supports, and enclosures.
- b) Check for overheating, abnormal sound, vibration, discoloration, or signs of moisture ingress.
- c) Inspect bus duct joints, bolted connections, and support structures.
- d) Verify operation of indication lamps, meters, MCCBs, and protective devices provided in end feed units.
- e) Check earthing continuity of rising mains and end feed units.

Quarterly Maintenance

- a) Tightening of all accessible electrical and mechanical connections.
- b) Cleaning of bus duct enclosures, end feed units, and tap-off chambers.
- c) Check ingress protection, gaskets, seals, and enclosure integrity.
- d) Verify operation of MCCBs, interlocks, and associated protective devices.
- e) Thermographic inspection of major joints and end feed unit connections.

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Yearly Maintenance

- a) Measurement and recording of insulation resistance of the rising main system.
- b) Measurement of contact resistance of major joints and busbar connections.
- c) Verification of earth continuity throughout the complete rising main network.
- d) Inspection of supports, hangers, expansion joints, and fire barriers.
- e) Functional testing of end feed unit protective devices and metering circuits.
- f) Verification of busbar alignment, enclosure integrity, and identification markings.

Repairs and Replacement

- a) Replacement of defective MCCBs, meters, indication lamps, busbar joints, gaskets, support insulators, and associated accessories.
- b) Rectification of loose connections, damaged enclosures, earthing faults, and overheating joints.

2. Building Electrification System

The scope of maintenance and operation shall commence from the outgoing terminals of the LT Panels, MCCs, Distribution Boards, and associated switchgear installed in Paryawas Bhawan and the Integrated Command and Control Centre (ICCC), and shall include the complete electrical distribution network up to the final utilization points.

The scope shall include maintenance, operation, testing, servicing, repair, and replacement of all components associated with the building electrification system, including:

- LT Distribution Network
- Distribution Boards (MDBs, SDBs, Lighting DBs, Power DBs, UPS DBs)
- Internal and External Lighting Systems
- LED Light Fixtures and Lamps
- Ceiling Fans and Exhaust Fans

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- Power Sockets, Switches, and Accessories
- Local Isolators and Disconnecting Switches
- Wiring and Cabling Systems
- Cable Trays, Raceways, Conduits, Trunking, and Supports
- Earthing and Bonding Systems
- Lightning Protection System
- UPS Power Distribution Network
- Emergency Power Distribution Network
- Telephone and Intercom Distribution Network
- Associated Control and Protection Equipment

Power distribution within the building comprises normal power supply, emergency power supply through DG Sets, and UPS-backed power supply through dedicated circuits. The Contractor shall ensure uninterrupted availability of power up to the incoming terminals of all equipment and systems covered under this contract.

The internal wiring, power cables, and associated accessories from LT panels, MCCs, distribution boards, and local power panels up to sockets, lighting fixtures, isolators, and equipment incomers shall form part of this maintenance contract.

The telephone and intercom distribution system shall also be maintained under the contract. The scope shall commence from the Main Telephone Distribution Frame (MDF)/Tag Boxes receiving incoming telephone cables from the service provider and shall extend up to all telephone outlets, sockets, tag blocks, junction boxes, and associated PVC insulated telephone cables installed throughout the premises.

The Contractor shall maintain all associated wiring, termination points, junction boxes, and accessories necessary for uninterrupted operation of the communication system.

The Contractor shall ensure proper functioning of all electrical installations from the receipt of 415 V supply at various LT Panels/MCCs up to the final utilization points, including lighting fixtures, power outlets, local disconnecting switches, and associated accessories.

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All required materials, consumables, and accessories such as light fixtures, LED drivers, switches, sockets, ceiling fans, exhaust fans, control devices, wiring accessories, MCCBs, MCBs, contactors, relays, and associated components required for maintenance and replacement shall be arranged and replaced as approved by the Engineer-in-Charge and in accordance with approved makes and specifications.

3. Street Lighting System

3.1 Operation of Street Lighting System

The Contractor shall operate the complete street lighting network within the premises of Paryawas Bhawan, ICCG, and surrounding areas under the jurisdiction of the contract.

The work shall include switching ON and OFF of street lighting circuits through manual or automatic control systems, timers, contactors, and control panels at predetermined timings or as directed by the Engineer-in-Charge from time to time.

The Contractor shall ensure that all street lighting installations remain operational during the prescribed hours of operation.

3.2 Maintenance and Repair of Street Lighting System

The Contractor shall maintain street lighting poles, luminaires, control panels, junction boxes, underground cables, and associated accessories in proper working condition.

The scope shall include:

- a) Maintenance and repair of street lighting poles ranging from 7.5 m to 13 m height fitted with LED luminaires and associated equipment.
- b) Replacement of defective materials including LED luminaires, LED drivers, timers, contactors, relays, MCBs, MCCBs, control gears, junction boxes, cable joint kits, glands, lugs, and associated accessories.
- c) Detection and rectification of cable faults including excavation, fault location, repair, jointing, reinstatement of surface, testing, and commissioning.
- d) Maintenance of street lighting control panels, timers, contactors, photocells, and automation systems wherever installed.
- e) Maintenance of earthing systems associated with street lighting installations.

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All replacement materials shall conform to approved makes and specifications as approved by the Engineer-in-Charge.

3.3 Response Time for Fault Rectification

- a) Any non-functional street light shall be repaired and restored within 24 hours from the time of reporting.
- b) In case of electrical shock hazards, exposed live conductors, accidents, theft of power, theft of materials, damaged poles, or any emergency condition, the Contractor shall attend the site immediately and take all necessary safety measures.
- c) The Contractor shall immediately inform the Engineer-in-Charge of such incidents and shall lodge police complaints wherever directed by the Engineer-in-Charge.

3.4 General Responsibilities

The Contractor shall be fully responsible for safety during execution of maintenance activities and shall take all necessary precautions to safeguard personnel, equipment, public property, and infrastructure.

The Contractor shall be solely responsible for any injury, accident, fire, damage, or loss of life arising out of negligence or non-compliance with safety procedures during the execution of the work.

3.5 Damage to Street Lighting Assets

Any damage or loss to street lighting equipment, luminaires, poles, cables, control panels, or associated accessories due to negligence of the Contractor shall be made good by the Contractor at his own cost.

In cases of accidental damage caused by third parties, vehicular accidents, or other circumstances beyond the Contractor's control, repair or replacement shall be carried out as directed by the Engineer-in-Charge and shall be dealt with separately as per contract provisions.

3.6 Safety Measures

The Contractor shall provide and maintain all necessary safety measures, including barricading, caution boards, warning lights, PPE, insulated tools, and traffic management arrangements wherever required.

Safety of pedestrians, occupants, equipment, electrical installations, and surrounding infrastructure shall remain the sole responsibility of the Contractor throughout the contract period.

4. Telephone, Intercom and Internet Network System

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- The scope of work shall include comprehensive operation, maintenance, repair, replacement, testing, and upkeep of the complete Telephone, EPABX, Intercom, and Internet Network System installed at Paryawas Bhawan and ICCG, Sector-19, Nava Raipur Atal Nagar.
- The scope shall commence from the Main Distribution Frame (MDF)/Telephone Tag Boxes receiving incoming telephone lines from the service provider and shall extend up to all telephone outlets, EPABX extensions, intercom points, internet outlets, network sockets, and associated wiring and accessories installed throughout the premises.

Scope of Services

- a) Attending all complaints related to non-functional telephones, intercom systems, EPABX systems, internet connectivity, telephone wiring, network wiring, and associated accessories.
- b) Preventive inspection, testing, and maintenance of telephone lines and internet network infrastructure to ensure minimum downtime and uninterrupted operation.
- c) Lodging complaints with service providers such as BSNL or other telecom/internet service providers and following up for prompt rectification of external network faults.
- d) Maintenance of CAT-6 cable network, structured cabling system, patch cords, information outlets, patch panels, junction boxes, and associated accessories.
- e) Maintenance of telephone handsets, EPABX extensions, line cords, rosette boxes, telephone outlets, and associated wiring.
- f) Comprehensive Annual Maintenance of Telephone Sets, EPABX System, Intercom Network, and associated cabling infrastructure.
- g) Cleaning of telephone handsets, EPABX consoles, and accessories on a quarterly basis.
- h) Repair, replacement, and re-termination of telephone extension wiring, line cords, rosette boxes, CAT-6 outlets, keystone jacks, patch cords, and associated accessories.
- i) Maintenance of all associated tags, numbering, identification labels, and network documentation.

Materials Included in Scope

The Contractor shall provide and replace, whenever required, approved makes of the following items:

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- Telephone Cables
- Patch Cords
- Telephone Line Cords
- Rosette Boxes
- Information Outlets
- RJ-11 Connectors
- Keystone Jacks
- I/O Modules
- Face Plates
- Telephone Sockets
- Junction Boxes
- Digital Phone
- Coller ID Phone
- EPABX Accessories
- Associated Wiring and Consumables

The rates quoted for Comprehensive Maintenance shall be deemed to include all labour, supervision, tools, tackles, consumables, spare parts, repairs, replacements, transportation, OEM support, and all other incidental expenses required for satisfactory performance of the contract, and no payment other than the accepted contract rate shall be admissible under any circumstances.

5. UPS System (Emerson and Numeric Make)

- The scope shall include Comprehensive Annual Maintenance Contract (CAMC) of the UPS Systems installed at Paryawas Bhawan and ICCG, including all associated electronic modules, power modules, control systems, and accessories, excluding batteries.

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- The Contractor shall ensure uninterrupted operation of the UPS Systems on a 24x7x365 basis and shall be responsible for preventive, corrective, breakdown, and emergency maintenance services.

Scope of Services

5.1 Comprehensive Maintenance

The Contractor shall carry out comprehensive maintenance of UPS systems including:

- a) Preventive Maintenance.
- b) Corrective Maintenance.
- c) Breakdown Maintenance.
- d) Supply and Replacement of Defective Components.
- e) Troubleshooting and Fault Diagnosis.
- f) Software and Parameter Verification.
- g) Standby Arrangement during major breakdowns, if required.

5.2 Parts Holding Service

The Contractor shall maintain adequate stock of spare parts required for ensuring continuous operation of the UPS Systems and minimizing downtime.

5.3 Parts Replacement Service

The Contractor shall provide unlimited replacement of defective components arising out of normal wear and tear during the contract period without any additional cost to NRANVP.

The scope shall include repair/replacement of:

- UPS Control Cards
- Power Cards
- Rectifier Modules

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- Inverter Modules
- Static Switch Components
- Display Modules
- Control Electronics
- Fans and Cooling Components
- Contactors
- Relays
- Fuses
- Power Supplies
- Communication Modules
- Associated Internal Components

5.4 Preventive Maintenance Service

The Contractor shall carry out a minimum of four (04) preventive maintenance visits in a year or as recommended by the OEM.

Each preventive maintenance visit shall include:

- a) Complete inspection and health assessment of the UPS System.
- b) Cleaning of equipment and internal assemblies.
- c) Cleaning and tightening of input, output, DC, control, and communication cable connections.
- d) Measurement and recording of input voltage, output voltage, output current, frequency, DC voltage, and load parameters.
- e) Inspection and testing of rectifier, inverter, static switch, contactors, relays, cooling fans, and power supplies.

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- f) Verification of alarms, indications, event logs, and fault history.
- g) Functional testing of load transfer from mains to battery and vice-versa.
- h) Verification of static bypass operation and manual bypass functionality.
- i) UPS output load balancing evaluation and recommendations for load redistribution if required.
- j) Tightening of all power and control terminations.
- k) Verification of earthing and bonding arrangements.
- l) Cleaning of air filters and ventilation paths.
- m) Submission of preventive maintenance report to the Engineer-in-Charge after each visit.
- n) Providing refresher training, if required, to maintenance personnel regarding safe operation and routine checks.
- o) Arrangement of all manpower, supervisors, service engineers, tools, tackles, testing instruments, consumables, and spare parts required for maintenance activities.

5.5 Corrective and Breakdown Maintenance

- a) The Contractor shall provide breakdown maintenance support on a 24x7 basis.
- b) Upon receipt of a complaint, the Contractor shall immediately deploy trained and certified service personnel for fault diagnosis and rectification.
- c) The Contractor shall restore the UPS System within the prescribed repair time and ensure continuity of critical loads.
- d) In case of major failures, temporary arrangements shall be made to minimize downtime, subject to feasibility.
- e) All replaced components shall be tested and commissioned before restoration of service.

Exclusions

The following items shall be excluded from the scope of Comprehensive Maintenance unless specifically included elsewhere in the contract:

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- a) Dismantling, shifting, relocation, and reinstallation of UPS Systems and Battery Banks.
- c) Civil works and structural modifications associated with UPS installations.

The quoted CAMC rates for the UPS System shall be inclusive of all labour, consumables, preventive maintenance, breakdown maintenance, testing, calibration, repairs, replacement of defective components, OEM support, software updates, tools and tackles, transportation, supervision, and all other incidental expenses required for satisfactory operation of the UPS System, and no extra payment whatsoever shall be admissible except for items specifically excluded under the contract if any.

6. Addressable Fire Alarm System

Note: The Contractor shall carry out maintenance of the Addressable Fire Alarm System strictly in accordance with the OEM's maintenance manuals, recommendations, applicable standards, and statutory requirements.

Monthly Maintenance

- a) Cleaning of Fire Alarm Control Panel (FACP), repeater panels, loop cards, power supply modules, batteries, and associated components.
- b) Verification of operational readiness of the Fire Alarm Control Panel under normal and emergency conditions.
- c) Check operation of the system in the event of mains power failure and ensure proper functioning on battery backup.
- d) Visual inspection and functional testing of Manual Call Points (MCPs).
- e) Visual inspection and functional testing of smoke detectors, heat detectors, beam detectors, modules, and interfaces on a sample basis.
- f) Verification of proper operation of hooters, sounders, strobes, and alarm indication devices.
- g) Verification of fault indications, alarm indications, event logs, and system health status.
- h) Inspection of communication loops, control modules, isolators, and network connectivity.
- i) Recording of observations and corrective actions in the maintenance logbook.

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Quarterly Maintenance

- a) Thorough cleaning of Fire Alarm Control Panels, detectors, Manual Call Points, hooters, and associated field devices.
- b) Functional testing of smoke detectors, heat detectors, MCPs, modules, and alarm devices after cleaning.
- c) Verification of system performance and recording of test results in the maintenance logbook.
- d) Testing of the complete system under battery operation by simulating mains power failure and checking battery voltage under alarm conditions with hooters operating.
- e) Verification of charger health, battery condition, charging current, and backup performance.
- f) Zone-wise and loop-wise testing of monitoring circuits by simulating detector activation and fault conditions.
- g) Verification of correct operation of fault indications, supervisory signals, and alarm indications.
- h) Testing of all output modules, relay modules, interface modules, and cause-and-effect logic, wherever provided.
- i) Verification of communication links between Fire Alarm Panels, Repeater Panels, BMS, PA System, Lift Interface, HVAC Interface, and other connected systems.
- j) Submission of maintenance and test reports to the Engineer-in-Charge.

Yearly Maintenance

- a) Functional testing of 100% detectors, MCPs, hooters, modules, interfaces, and field devices.
- b) Calibration and sensitivity testing of smoke detectors as per OEM recommendations.
- c) Verification of battery backup performance and replacement recommendation, if required.
- d) Comprehensive testing of all alarm, fault, supervisory, and monitoring functions.
- e) Verification of cause-and-effect matrix and integrated system operation.
- f) Testing of all fire alarm loops, communication networks, and interface circuits.

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g) Conducting a Fire and Emergency Evacuation Drill at a date and time decided by the Engineer-in-Charge and demonstrating satisfactory operation of the complete Fire Alarm System.

h) Submission of annual health assessment and maintenance report along with recommendations for replacement of defective or deteriorated components.

Repairs and Replacement

The Contractor shall attend all breakdowns and faults on priority and shall repair or replace defective components including Fire Alarm Control Panels, Loop Cards, Power Supply Modules, Batteries, Smoke Detectors, Heat Detectors, MCPs, Hooters, Strobes, Isolators, Interface Modules, Relay Modules, Cables, Connectors, and associated accessories to maintain the system in fully operational condition throughout the contract period.

The quoted CAMC rates for the Addressable Fire Alarm System shall be inclusive of all labour, consumables, testing, calibration, repairs, replacement of defective components, OEM support, tools and tackles, and no extra payment whatsoever shall be admissible except for items specifically excluded in the contract.

7. Diesel Generator Set (DG Set)

Note: The Contractor shall carry out maintenance strictly in accordance with OEM recommendations, maintenance manuals, CPCB norms, and applicable statutory requirements.

Daily Inspection

a) Check DG set availability and readiness for operation.

b) Record engine running hours.

c) Check fuel level, engine oil level, coolant level, and battery voltage.

d) Check for oil, fuel, coolant, and exhaust leakage.

e) Observe engine temperature, oil pressure, battery charging voltage, frequency, and output voltage.

f) Check AMF panel indications, alarms, and meters.

g) Observe for abnormal noise, vibration, smoke, overheating, or unusual operating conditions.

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- h) Verify automatic starting and stopping readiness.
- i) Check cleanliness of DG set room and acoustic enclosure.

Monthly Preventive Maintenance

- a) Cleaning of DG Set, alternator, AMF panel, control panel, battery charger, and associated equipment.
- b) Check and tighten all nuts, bolts, cable terminations, busbar connections, and earthing connections.
- c) Check V-belt tension and condition.
- d) Check couplings, rubber bushes, engine mounts, and flexible connections.
- e) Check all valves, pipelines, fuel hoses, coolant hoses, and fittings for leakage.
- f) Check rubber seals, gaskets, hose pipes, and replace if required.
- g) Check fuel injection system and high-pressure fuel lines.
- h) Check and adjust injector settings as per OEM recommendations.
- i) Check and clean radiator, cooling fan, air filters, blower, and lube oil cooler.
- j) Check starter motor and battery charging alternator.
- k) Check battery electrolyte level, battery terminals, and charging system.
- l) Verify output voltage, frequency, current, and load sharing.
- m) Functional testing of DG set in manual and automatic modes.
- n) Test AMF panel operation and mains failure simulation.

Quarterly Preventive Maintenance

- a) Carry out all activities covered under Monthly Maintenance.
- b) Check operation and settings of all safety protections and alarms including:
 - High Engine Temperature

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- Low Oil Pressure
- Over Speed
- Under Voltage
- Over Voltage
- Earth Fault Protection
- Overload Protection

- c) Check and repair fuel tank accessories, fuel transfer systems, and associated piping.
- d) Check and replace defective indicating lamps, meters, relays, switches, and control devices.
- e) Check control panel wiring, MCBs, contactors, timers, relays, and protection devices.
- f) Check operation of diesel transfer pumps and fuel lifting pumps.
- g) Inspect turbocharger and associated piping.
- h) Measure insulation resistance of alternator windings.
- i) Check operation of battery charger and AMF controller.

Half-Yearly Preventive Maintenance

- a) Carry out all activities covered under Monthly and Quarterly Maintenance.
- b) Measure and record insulation resistance of alternator windings and control circuits.
- c) Greasing and lubrication of alternator bearings as per OEM recommendations.
- d) Replacement of Fuel Filters.
- e) Replacement of Lube Oil Filters.
- f) Replacement of Engine Lubricating Oil.
- g) Replacement of Rocker Cover Gasket.

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- h) Cleaning of oil sump and lubrication system components, where applicable.
- i) Check and adjust tappet clearance.
- j) Check operation of governor system and engine shutdown protections.
- k) Check carbon brushes, slip rings, AVR, diodes, and excitation system.
- l) Verify synchronization and load transfer functions, wherever applicable.
- m) Thermographic inspection of alternator terminals, AMF panel, and cable terminations.

Annual Preventive Maintenance

- a) Carry out all activities covered under Monthly, Quarterly, and Half-Yearly Maintenance.
- b) Alignment check of engine and alternator.
- c) Check V-belts, pulleys, and tensioning arrangements and replace if required.
- d) Check engine mounts and flexible couplings.
- e) Inspect injectors and fuel injection pump.
- f) Inspect fuel filter assemblies and replace filter elements if required.
- g) Verify monitoring and protection functions.
- h) Check engine compression pressure.
- i) Check all fasteners for OEM specified tightening torque.
- j) Remove and clean exhaust piping and silencers.
- k) Clean complete engine and alternator assembly.
- l) Check crankcase ventilation and breather arrangements.
- m) Clean and inspect air intake ducts and filters.
- n) Inspect flywheel, ring gear, starter engagement mechanism, and associated components.

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- o) Clean diesel storage tanks and fuel lines.
- p) Measure earth resistance and verify earthing continuity.
- q) Calibrate meters, sensors, gauges, and monitoring instruments.
- r) Conduct full-load trial run and performance testing.
- s) Carry out thermographic scanning of all power and control connections.
- t) Submit Annual Health Assessment Report along with recommendations.

Breakdown Maintenance

- a) The Contractor shall attend all DG set breakdown complaints on priority.
- b) Initial response shall be provided within the stipulated response time specified in the contract.
- c) Repair work shall commence immediately and not later than 24 hours from reporting of the breakdown.
- d) The Contractor shall make all efforts to restore the DG Set within 48 hours of fault reporting.
- e) In case of major breakdown requiring OEM support, the Contractor shall coordinate with the OEM and keep the Engineer-in-Charge informed regarding progress and expected restoration time.
- f) All breakdowns, repairs, replaced components, and corrective actions shall be recorded in the DG Set maintenance logbook.

Critical Parameters to be Checked During Every Maintenance Visit

- Loss of Power
- Excessive Smoke
- Low Oil Pressure
- High Oil Temperature
- High Engine Temperature
- Abnormal Noise

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- Excessive Vibration
- Starting Problems
- Battery Charging System
- Fuel Consumption Pattern
- Alternator Output Voltage and Frequency
- AMF Panel Operation
- Protection and Alarm Functions

The quoted CAMC rates for the DG Sets shall be inclusive of all labour, consumables, lubricants, filters, gaskets, belts, testing, calibration, repairs, replacement of defective components, OEM support, tools and tackles, transportation, and all incidental expenses required for satisfactory operation of the DG Sets, and no extra payment whatsoever shall be admissible except for items specifically excluded under the contract.

5. Day-to-Day Operation and Maintenance Jobs

5.1 The Contractor shall carry out day-to-day operation and maintenance activities of the Electrical System (HT & LT), Building Electrification System, DG Sets, UPS Systems, Fire Alarm System, Telephone/EPABX System, Internet Network, Street Lighting System, and all associated installations between 08:00 AM and 08:00 PM on all working days by deploying the required manpower as specified in the contract.

5.2 The Contractor or his authorized representative shall remain in regular contact with the Engineer-in-Charge and shall coordinate all operation and maintenance activities as directed. In the event of utility power failure, the Contractor shall promptly coordinate with CSPDCL and take necessary follow-up action for restoration of supply.

5.3 The Contractor shall arrange deployment of adequate manpower beyond normal working hours, on holidays, weekends, and during emergencies whenever required for maintenance, testing, shutdown activities, fault rectification, or any exigency, without any additional cost to NRANVP.

5.4 The Contractor shall keep all equipment, electrical rooms, DG rooms, UPS rooms, battery rooms, fire alarm panels, switchgear rooms, telephone rooms, and associated work areas clean, safe, and free from dust and debris at all times.

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5.5 The Contractor shall extend full cooperation and coordination to all agencies working within the premises and shall ensure that maintenance activities do not adversely affect the functioning of other systems or services.

5.6 The Contractor shall immediately inform the Engineer-in-Charge regarding any abnormality, defect, unsafe condition, malfunction, deterioration, or anticipated failure observed in any equipment or system.

5.7 Electricians, technicians, helpers, and other maintenance personnel deployed under the contract shall perform operation, preventive maintenance, corrective maintenance, breakdown maintenance, testing, servicing, and associated activities as required.

5.8 The Contractor shall arrange all labour, supervision, tools and tackles, testing instruments, safety equipment, consumables, transportation, and other resources required for satisfactory performance of the work.

5.9 The Contractor shall carry out regular inspection, testing, servicing, preventive maintenance, and breakdown maintenance of all systems covered under the contract in accordance with approved maintenance schedules, OEM recommendations, and directions of the Engineer-in-Charge.

5.10 The Contractor shall maintain all records relating to operation, maintenance, servicing, inspections, testing, breakdowns, repairs, and replacements and shall make the same available for inspection whenever required.

5.11 The Contractor shall prepare and submit maintenance schedules for periodic inspection and servicing of all major equipment and shall ensure comprehensive upkeep of the complete system for uninterrupted operation.

5.12 The Contractor shall maintain records of all periodic inspections and promptly report any deficiencies, defects, or recommendations for corrective action to the Engineer-in-Charge.

5.13 The Contractor shall provide and maintain Log Books and Registers for HT Panels, LT Panels, Transformers, DG Sets, UPS Systems, Fire Alarm System, Telephone/EPABX System, Complaint Records, Preventive Maintenance Records, and Breakdown Maintenance Records. No separate payment shall be made on this account.

5.14 The Contractor shall arrange services of qualified technicians and OEM-authorized personnel whenever required and shall ensure that maintenance activities are carried out in accordance with OEM recommendations and accepted engineering practices.

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5.15 The activities described herein are indicative and not exhaustive. The Contractor shall perform all works necessary for safe, reliable, efficient, and uninterrupted operation of the systems covered under the contract, whether specifically mentioned herein or otherwise.

5.16 The Contractor shall submit a fortnightly Operation and Maintenance Report to the Engineer-in-Charge detailing preventive maintenance activities, complaints attended, breakdowns, repairs, replacements, equipment performance, pending issues, and recommendations.

5.17 No extra payment shall be admissible for operation, preventive maintenance, breakdown maintenance, reporting, documentation, cleaning, housekeeping, coordination, testing, or manpower deployment required for satisfactory performance of the contract, and all such costs shall be deemed included in the quoted rates.

6. Environmental Considerations

- a) The Contractor shall strictly comply with all provisions contained in the Bid Documents, applicable statutory regulations, environmental laws, safety regulations, labour laws, and health requirements during execution of the work.
- b) The Contractor shall take all necessary precautions to prevent pollution, environmental damage, nuisance, and unsafe conditions arising out of the execution of the work and shall ensure proper disposal of waste materials in accordance with applicable regulations.
- c) The Contractor shall provide all necessary Personal Protective Equipment (PPE), safety devices, warning signs, barricades, and other protective measures required for safe execution of the work.
- d) Any environmental damage, safety incident, or statutory non-compliance attributable to the Contractor shall be rectified by the Contractor at his own cost and risk.

7. Standards

- a) All equipment, materials, workmanship, testing, maintenance practices, and systems shall conform to the latest editions of relevant Indian Standards (IS), Central Electricity Authority (CEA) Regulations, National Building Code (NBC), CPWD Specifications, OEM recommendations, and other applicable National/International Standards.
- b) Wherever required by the Engineer-in-Charge, the Contractor shall furnish copies of the relevant standards, manuals, technical literature, and maintenance procedures being followed for execution of the work.

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- c) Reference to any specific make, manufacturer, standard, specification, or product in the contract documents shall be deemed to include the words “or equivalent”. However, any alternative material, equipment, or component proposed by the Contractor shall be subject to prior approval of the Engineer-in-Charge.
- d) The Contractor shall submit complete technical details, specifications, catalogues, test certificates, and justification for any proposed alternative material or equipment. The decision of NRANVP regarding acceptability, quality, suitability, and equivalence shall be final and binding on the Contractor.

8. Manpower Requirements

8.1 Minimum Deployment Requirement

The Contractor shall deploy the following minimum manpower for operation and maintenance of the Electrical System (HT & LT), Building Electrification System, DG Sets, UPS Systems, Fire Alarm System, Telephone/EPABX System, Internet Network, and associated installations.

Sl. No.	Description	Minimum Quantity
1	Electrician (Skilled)	03 No.

The above manpower shall be available during normal working hours on all working days. Additional manpower shall be deployed whenever required for preventive maintenance, shutdown activities, emergency repairs, testing, servicing, or breakdown maintenance without any additional cost to NRANVP.

8.2 Qualification Requirements

Electrician (Skilled)

- The Electrician shall possess:
- ITI Certificate in Electrician/Wireman Trade from a recognized institution.
- Valid Wireman License/Permit wherever applicable.

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- Minimum 05 years' experience in operation and maintenance of HT/LT electrical systems, DG Sets, UPS Systems, Fire Alarm Systems, and Building Electrification works.

8.3 Approval of Personnel

- Before deployment, the Contractor shall submit details of all personnel including qualification certificates, experience details, photograph, identity proof, and police verification certificates for approval of the Engineer-in-Charge.
- Deployment shall commence only after approval by the Engineer-in-Charge.

8.4 Replacement / Change of Personnel

- The Contractor shall not change any approved personnel without prior approval of the Engineer-in-Charge except in emergency situations.
- In case of resignation, transfer, absence, or replacement, the Contractor shall provide personnel of equivalent or higher qualification and experience and obtain approval before deployment.
- The Engineer-in-Charge shall have the right to require replacement of any personnel found unsuitable, negligent, incompetent, indisciplined, or involved in misconduct. Such replacement shall be made within 48 hours.

8.5 Uniform, Dress Code and Identity Cards

All personnel deployed under the contract shall wear proper uniform while on duty consisting of:

- Uniform Shirt and Trouser
- Safety Shoes
- Safety Helmet
- Reflective Safety Jacket (where required)
- Electrical Safety Gloves
- Valid Identity Card displaying photograph, name, designation, and contractor's details
- Personnel without prescribed uniform and safety equipment shall not be permitted to work.

Signature of Contractor.....

Signature of NRANVP.....



8.6 Police Verification and Medical Fitness

- All deployed personnel shall possess valid police verification certificates and shall be medically fit to perform their duties. Copies of all relevant documents shall be submitted before deployment.

9. Tools, Tackles, Testing Instruments and Site Spares

9.1 Tools, Tackles and Testing Instruments

The Contractor shall provide and maintain at site all tools, tackles, testing instruments, safety equipment, and maintenance accessories required for satisfactory performance of the work. The minimum inventory shall include:

- Digital Multimeter
- Clamp Meter
- Insulation Resistance Tester (Megger)
- Earth Resistance Tester
- Phase Sequence Meter
- Infrared Thermometer
- Thermal Imaging Camera
- Battery Tester
- Continuity Tester
- Hydraulic Crimping Tool
- Portable Drill Machine
- Standard Electrical Hand Tools
- Extension Ladders
- Portable Work Lights

Signature of Contractor.....

Signature of NRANVP.....



- Safety Barricades and Warning Signs
- Lock-Out/Tag-Out (LOTO) Devices
- First Aid Box
- Insulated Mats
- PPE and Electrical Safety Equipment
- All testing instruments shall be calibrated periodically and calibration records shall be maintained.

9.2 Minimum Spare Parts and Consumables

The Contractor shall maintain adequate stock of critical spare parts and consumables at site to ensure minimum downtime. The inventory shall include, but not be limited to:

- LED Lamps and Drivers
- Switches and Socket Outlets
- MCBs, MCCBs, RCCBs and RCBOs
- HRC Fuses and Fuse Links
- Indicating Lamps and Push Buttons
- Contactors and Overload Relays
- Auxiliary Relays and Control Relays
- Selector Switches and TNC Switches
- Cable Lugs, Glands, Ferrules and Connectors
- Telephone Line Cords and Accessories
- CAT-6 Cables, Patch Cords and RJ-45 Connectors
- Fire Alarm Detectors, MCP Glasses, Hooters and Interface Modules

Signature of Contractor.....

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- DG Set Consumables including Fuel Filters, Lube Oil Filters, Air Filters, Belts, Hoses and Gaskets
- UPS Fuses, Cooling Fans, Control Cards and Minor Spare Components
- Earthing Hardware and Electrical Consumables
- PVC Insulation Tapes, Heat Shrink Sleeves and Miscellaneous Consumables
- The Engineer-in-Charge may direct the Contractor to maintain additional critical spares based on operational requirements.

9.3 General

All costs towards manpower, uniforms, identity cards, police verification, statutory compliances, tools and tackles, testing instruments, safety equipment, consumables, maintenance materials, spare parts inventory, transportation, and other incidental requirements shall be deemed included in the quoted rates and no separate payment shall be admissible on these accounts.

Signature of Contractor.....

Signature of NRANVP.....



SCHEDULE– D

Section-III

Technical Specification of Works



SPECIFICATIONS

GENERAL:

All item shall be repair or replace as per manufacture specification and existing standard. The material use by the contactor for maintenance shall take authorized certificate from manufacturer.

Material to be of best quality:

The whole of the materials, employed in connection with the permanent work, shall be new and of the best of its kind. All materials shall be in accordance with specifications and shall be as approved by the engineer’s representative.

Standards:

Except where otherwise specified or permitted by the engineer in charge, all material shall confirm to the latest edition of Indian /international Standard Specifications.



Signature of Contractor.....

Signature of NRANVP.....

SCHEDULE– D

Section-IV

Special Conditions of Contract
& Service Level Agreement for Annual
Maintenance Contract



Special Conditions of Contract

1. GENERAL

The Special Conditions of Contract are to be read in conjunction with General Conditions of Contract. If there are any variations or discrepancies or conflicting provisions, the provisions in Special Conditions of contract shall take precedence over the provisions in the General Conditions of Contract.

All additional facilities/equipment/ office etc to be provided by the contractor, as mentioned in the tender, document outside the BOQ shall not be paid separately, and shall be deemed to have been included in the rates quoted by the contractor.

2. ACCESS

The Contractors are to verify the work site details including: -

- a) Access,
- b) Availability of water supply and electrical energy,
- c) Space for dumping stores and materials and
- d) Space for erection of site office,

The Contractors are deemed to have catered for all contingencies connected with the site, access, water & electricity.

3. DEFECT LIABILITY

The Contractor shall be responsible for rectification of defects, during the defect liability period as per clause 17 of GCC after the certified date of completion by the NRANVP. This period shall be known as Defects Liability period as defined in CL. No. 17 of the General Conditions of Contract. Subsequent to the taking over of the works and after it has been in use, its removal/correction of defects would be the responsibility of the Contractor. Any defects or failures during this period shall be rectified by Contractor within one week of intimation in writing. If the same is not carried out in the stipulated time, NRANVP shall have the right to get it repaired departmentally or through any other agency, entirely at the risk and costs of the Contractor as detailed in the GCC clause. No. 17.

4. ACCIDENTS

Should any accidents, fatal or otherwise occur, a detailed report about the same shall be made promptly by the Contractor to the Engineer. The Contractor should at all times during execution of work keep the NRANVP fully indemnified against all risks, claims, litigations and financial burdens arising out of all incidental operations on work and accidents.

5. ENGINEER

22.1 Engineer for this project shall be the Engineer or the person nominated or



appointed by NRANVP from time to time and shall include any person duly authorised by them.

22.2 Engineer shall be responsible for the Maintenance of the project with regards to management and supervision. Instructions issued by the Engineer to the Contractor shall be deemed to be the Employer's instructions in respect of-

1. Approval of material and workmanship using ISO formats proforma of which should be got approved from Engineer.
2. Matter of urgency involving safety or protection of person or property.
3. Monitoring progress of work using System Application of Projects (SAP). (Refer 3.5 hereunder).
4. Interpretation of specifications
5. Certification of measurements and bills and issue of certificates accordingly for interim and final bills.

6. **CONDITIONAL TENDER**

The Tenderer shall note that the clarifications shall be obtained in the pretender meeting and the tender should be submitted without any conditions, whatsoever. Clarifications given to the various tenderers in the pre-tender meeting would be summarized by NRANVP and would be issued to every tenderer as "Minutes of Pre-Tender Meeting". The same will be binding on all the tenderers irrespective of whether they have attended the pre-tender meeting or not. The Minutes of the Pre-Tender Meeting would form part of the Contract Agreement and the Tenderers should submit the Financial Offer taking into consideration the same. The Tender submitted with conditions would be summarily rejected.

7. **SITE ORDER BOOK& OTHER BOOKS REQUIRED**

The contractor will maintain Site Order Book at the site of work. The Contractor or his authorized representative shall sign all the instructions received therein, in token of having received the same and shall comply with them forthwith.

All other books of record at site shall have to be maintained as required in the CPA Code of works.

8. **CLEANING Of SITE**

- a) Site shall be maintained free from rubbish. Heaps of material lying around in unplanned manner and disorderly fashion shall not be permitted. Engineer's decision in this matter shall be final.
- b) The Contractor shall not, at any time, do cause or permit any nuisance on the site or do anything which shall cause unnecessary disturbance or inconvenience to



Employer, tenants or occupiers of other properties near the site and to the public in general.

The contractor shall be responsible for the following work at site.

Cleaning: Remove staining or reactive materials from new surfaces immediately during course of the Work.

Debris: Remove hazardous accumulations of debris promptly, at least daily.

Dust: Confine dust producing operations during painting and finishing. Vacuum immediately after completion.

c) TRASH DISPOSAL

General: Keep new buildings and site free from accumulations of waste materials.

Removal: Remove cartons, crates, wrappings, lunch trash, and other trash from each room daily. Provide trash receptacles on each floor of each building and in convenient locations on the site.

Burning: Do not burn trash or other materials on Owner's property.

EXCESS MATERIAL; Remove excess materials, including demolished materials, excess earth, and excess building materials from Owner's property and dispose of legally.

- d) *Any expenditure that may be incurred by NRANVP to ensure that the above conditions are fulfilled by the contractor will be debitable to contractor account and will be recovered from the running bills of the contractor from time to time.*

9. CONTRACTOR RESPONSIBLE FOR SUFFICIENCY OF MEANS EMPLOYED

The Contractor shall take upon himself the full and entire responsibility for the sufficiency of plant, centering, scaffolding, timbering, machinery, tools or implements and generally for all means used for the fulfilment of the Contract. In the event of any of these means proving insufficient, the Contractor is still fully and entirely responsible for the sufficiency of these means notwithstanding any previous approval or recommendation that may have been given by the Engineer.

10. STANDARDS

In various places throughout this specification and the bills of quantities, reference is made to the standards, specifications and byelaws issued by the Indian Standard Institutions and other similar organizations. These references shall in every case be deemed to include the latest edition or issue of such standards, specifications and byelaws including all revisions, amendments and addendum subsequently issued. Where materials are not specified



and standard exists in respect of such materials, then the materials shall in all respects comply with relevant and current I.S.I. In such cases where I.S.I. do not exist, the best manufacturers' specification shall be followed; in absence of all these, Engineer's instruction shall be followed.

11. Use of Site

The contractor shall not use any portion of site for the purpose not connected with the works with the works without the prior written approval of the Engineer.

12. FIRE PRECAUTIONS

The contractor shall comply with fire regulations of the controlling authority in force at the site of the works relating to the precautions to be taken against fire hazards.

13. QUALITY ASSURANCE MANUAL AND SAFETY MANUAL

Successful tenderers will be required to submit Quality Assurance Manual and Safety manual made as per applicable specification for various items of work and get the same approved from Engineer before start of work and the adhere the same during actual execution of work.

i. Quality Assurance Manual (QAM)-

Successful tenderers will be required to submit Quality Assurance Manual and Safety manual made as per applicable specification for various items of work and get the same approved from Engineer before start of work and the adhere the same during actual execution of work.

ii. Inspection of Works at Factory/ Workshop

For any visits that maybe necessary for the purpose of performance of testing, inspection of factory-made goods/ equipment's, at a location other than the site or Raipur, the actual cost of travel (to & fro airfare/ train A/c 1st class), boarding & lodging, local transport & per diem (per person per day) costs at the rate of Rs. 4000 (Rupees three thousand only) for any visit made by officials from NRANVP / PMC/ Architect/ Consultant (maximum 3 (three) persons per instance), shall be borne by the Contractor. Such visits may be necessary for the inspection of chillers, panels, elevators, transformers, DG sets, fabricated doors, etc. that require inspection prior to shipping from the place of its manufacture. Any other item which is required to be tested before being processed/ fabricated in the factory, such visits shall require the prior written approval from the NRANVP.

14. EQUIPMENT MAINTENANCE MANUAL

The Contractor shall mention the list of machinery procured at site for the work in this manual. This manual shall also reflect the name of the manufacturer, age of machinery and the agency entrusted with the maintenance work of the machinery listed in the manual.



15. Subject work is strictly to be completed within stipulated work completion Period and in accordance with the activities listed below completely as per the directives from Engineer. The charges and the expenses for completing the following listed activities should be included in the quoted offer and no separate payments against this will be made.

1. Successful agency will have to obtain and submit the Contractor All Risk Insurance Policy (CAR) in original within 1 (one) week from date of work order from Director of Insurance, Government Insurance Fund, Raipur, Chhattisgarh. The Contractors All Risk (CAR) Policy as said above shall be inclusive of insurance coverage under workman's compensation insurance policy for all workmen employed by contractor to complete the works covered under present contract. Further the contractors All Risk Policy period completely as stated in the tender. In case of time period extension (If any), it is essential that, premium of CAR policies should be timely paid by agency in order to ensure the continuity of CAR policy without any break in the same, suitable action will be taken against defaulters as per General Conditions of Contract unless and until the Contractors All Risk Policy as stated in above manner is submitted to the office of Engineer no payments will be released against any work executed.

2. The contractor shall visit the site to access the actual quantum of work and period required for completing the same before quoting the offer.

3. specifications and quantity of the material to be used for the subject work under the contract and specified in the tender document is only for guideline purpose. However, it will be the responsibility of the successful agency to obtain the measurements and specifications in detail of each and every item before starting the execution of work and complete the work in accordance with the approvals, clearances obtained for the same. All cost required for completion of work as per statutory approval, shall deemed to have included in the offer quoted.

4. It will be Agency's responsibility to obtain necessary sanctions and permissions by paying necessary charges towards;

a) Obtaining necessary scheme sanctions and permissions for completing the subject work in all respect from any concerned statutory authority.

5. The successful agency will be completely responsible for accidents occurred if any during the execution of work as well as during 24 (twenty-four) months defect liability period under this contract. It will also be the responsibility of agency, for making police complaints against any thefts and accidents etc. under intimation to NRANVP.

6. Charges against following listed activates should be included in the quoted offer itself and no separate payments will be made against same.

a) Arranging and carrying out the material inspecting at respective



manufactures unit as stated in Annexure - I.

- b) Arrangements for performing site visits and other connected activities as and when required by Engineer or his representative.
- c) Carrying out necessary co-ordination and follow up with concern authorities for obtaining necessary sanctions and permissions as required towards completion of work in all respects.
- d) Appointing Govt. Approved surveyor for carrying out site survey and preparation of computerized shop drawing, Execution drawing, As built drawing etc. with soft copy.
- e) Any other incidental charges required towards completion of work in all respect.

7. Bills submitted against the executed and completed works at site, will be processed further by Engineer, after necessary scrutiny and verification.

16. The services/ tasks/ works as referred to under clauses shall be suitably applicable to all Utility services executed by the contractor, whether specifically mentioned herein above or no.

17. Safety, Security and Protection of the Environment

The Contractor shall, throughout the maintenance period and the remedying of any defects therein:

- (a) Have full regard for the safety of all persons entitled to be upon the Site and keep the Site (so far as the same is under his control) and the Works (so far as the same are not completed or occupied by the Employer) in an orderly state appropriate to the avoidance of danger to such persons,
- (b) take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation.

18. NOISE AND VIBRATION CONTROL

Noise and Existing Building Structure Vibration Generated by Construction Procedures, Equipment, Tools, and Operations: Keep to minimum practicable during demolition and removal from building and site, including loading and removing storage containers. Equipment generated noise levels shall not exceed the following in decibels: -

- 1. Concrete mixer: 85
- 2. Concrete pump: 82



- 3. Crane: 83
 - 4. Materials elevator:
 - 5. Pumps: 76
 - 6. Generators: 78
 - 7. Compressors: 81
 - 8. Pneumatic tools: 86
 - 9. Saws: 78
 - 10. Vibrators: 76
 - 11. Other tools: 85
 - i. Operation of Air Hammers, Compressors, and Reciprocating Equipment: Not permitted inside existing buildings unless specifically approved in writing by Owner.
 - ii. Laws: Comply with applicable noise control laws, ordinances, and regulations.
 - iii. Acoustical Enclosures: Stationary equipment may be enclosed to produce required sound attenuation subject to continued maintenance of such enclosures to ensure that specified sound levels are not exceeded.
 - iv. Violations: Where field sound measurements reveal sound levels exceeding those specified, cease operating such equipment and repair or replace it with equipment that complies with the sound levels specified.
 - v. Cutting and Drilling Concrete: Use only rotary or core drilling for holes through concrete. Do not use impact tools to cut or otherwise remove concrete or to install inserts.
 - vi. Power-Activated Tools: Not permitted in or immediately adjacent to existing buildings, except with Owner's written approval in each specific case, except where such use is specifically specified.
- 19. EXISTING CONDITIONS**
- i. Contractors Examination of Site: -
 - 1. By executing Contracts, Contractor and subcontractors represent that they have:
 - a. Visited the site and made due allowances for difficulties and contingencies;
 - b. Compared Contract documents with existing conditions and informed themselves of conditions to be encountered, including work by others, if any, being performed; and
 - c. Notified Architect of ambiguities, inconsistencies, and errors they have discovered within Contract documents or between Contract documents and existing conditions.
 - 2. Failure to visit the site and become familiar with conditions shall not relieve Contractor or a subcontractor from furnishing materials or equipment or completing the Work in accordance with Contract



documents at no additional cost.

3. Contractor or subcontractors will not be given extra payment for Work related to conditions they can determine by examining the site and Contract Documents.
4. Contractor or subcontractors will not be given extra payment for work related to ambiguities, inconsistencies, or errors within Contract documents, or between Contract documents and existing conditions, when such ambiguities, inconsistencies, or errors are known to Contractor or subcontractor before Contract execution unless Contractor or subcontractor has notified Architect in writing of such condition before execution of Agreement Between Owner and Contractor.
- ii. Make use of public property and make arrangements for that use. No extra compensation will be paid due to costs associated with using public property.
- iii. Access by Contractor to portions of Owner's property beyond the actual area of Work under this contract is denied, except where necessary to perform the Work, and then only with specific written approval in each case. Refer to other sections for additional requirements.
- iv. Contractor shall accept the site in the condition in which they exist at the time Contractor is given access to begin the Work.
- v. Damage caused by Contractor to existing structures, grounds plants, pavements, utilities, work by others, fixtures, or furnishings, shall be repaired by Contractor and left in as good condition as existed before the damaging, unless such existing work is shown to be removed or replaced by new Work.
- vi. Immediately upon entering the site for purposes of beginning Work, locate general reference points and take such action as is necessary to prevent their destruction; lay out Work and be responsible for lines, elevations, and measurements, and Work executed under this Contract. Exercise proper precautions to verify figures shown on Drawings before laying out Work. See Section "Field Engineering" for additional requirements.
- vii. Contractor and each subcontractor, before starting work, shall verify governing dimensions at the premises, including floor elevations, floor-to-floor heights, and column locations and shall examine adjoining Work on which Contractor's or subcontractor's Work is in any way dependent. No "Extra" or additional compensation will be allowed on account of differences between actual measurements and dimensions shown. Submit differences discovered during the Work to Architect for interpretation before proceeding with associated Work.
- viii. Employment of local labour shall be given priority wherever possible. However,
- ix. This shall not in any way affect/ dilute the Contractors obligations



listed within the Tender document.

20. Service Level Agreement (SLA) for OEM Support and Maintenance

- 20.1** The Contractor shall, at his own cost, enter into and maintain valid Comprehensive Service Maintenance Agreements (CSMA)/Annual Maintenance Contracts (AMC) with the respective Original Equipment Manufacturers (OEMs) or their authorized service partners for all critical systems covered under the contract, including but not limited to UPS Systems, Diesel Generator (DG) Sets, Fire Alarm Systems, and other OEM-supported equipment, throughout the entire contract period.
- 20.2** The Service Maintenance Agreements shall remain valid, active, and enforceable for the complete duration of the contract. A copy of the executed agreement(s), along with proof of validity and authorization of the service provider, shall be submitted to the Engineer-in-Charge (EIC) within 30 days of commencement of the contract and whenever renewed thereafter.
- 20.3** The Employer, i.e., Nava Raipur Atal Nagar Vikas Pradhikaran (NRANVP), shall be designated as a beneficiary/stakeholder in such agreements, and the Contractor shall ensure that NRANVP is entitled to receive service support records, maintenance reports, warranty claims, and escalation support directly from the OEM or its authorized service partner whenever required.
- 20.4** The Contractor shall also maintain a valid service support agreement with the authorized service provider/OEM of the existing EPABX/Intercom System installed at NRANVP and shall ensure uninterrupted operation and technical support for the system throughout the contract period.
- 20.5** Any lapse, termination, suspension, non-renewal, or invalidity of the aforesaid Service Maintenance Agreements during the contract period shall be treated as a material breach of contract. In such cases, NRANVP shall have the right to direct immediate renewal/restoration of the agreement within a stipulated period, failing which NRANVP may, without prejudice to any other contractual rights, impose penalties, get the services executed at the risk and cost of the Contractor, and/or terminate the contract.
- 20.6** The Contractor shall be solely responsible for ensuring availability of OEM support, software updates, firmware updates, technical assistance, spare parts, replacement components, and emergency breakdown services as applicable to the respective systems during the contract period.
- 20.7** Any change in OEM, authorized service partner, or support arrangement shall require



prior written approval of the Engineer-in-Charge. The Contractor shall submit documentary evidence of such approval and continuity of support without any interruption in services.

20.8 Penalty for Non-Execution / Non-Renewal of Service Agreements

In the event the Contractor fails to execute, renew, or maintain a valid Service Maintenance Agreement with the respective OEM or its authorized service partner, as stipulated in Clauses 20.1 to 20.7, the following penalties shall be applicable:

a) For critical systems including UPS, DG Set, Fire Alarm System, and EPABX, a penalty of Rs. 1,000/- per day per system shall be levied from the date of expiry, non-renewal, or non-execution of the Service Maintenance Agreement until submission of a valid agreement to the satisfaction of the Engineer-in-Charge.

b) The total penalty imposed under this clause shall be subject to a maximum limit of 10% of the annual contract value. Upon reaching this limit, NRANVP shall have the right to initiate action for termination of the contract for material breach, without prejudice to any other remedies available under the contract.

d) If such default continues for more than 30 days, NRANVP shall have the right to:

i. Arrange the required OEM support and/or Service Maintenance Agreement at the risk and cost of the Contractor, and recover the actual expenditure incurred along with 15% departmental charges from any amount due or becoming due to the Contractor.

ii. Withhold Running Account (RA) Bills, Final Bills, Security Deposit, Performance Security, and any other payments due to the Contractor until full compliance is achieved.

e) The imposition of the above penalties shall not relieve the Contractor of his obligations under the contract, nor shall it restrict NRANVP from taking any other action permissible under the contract conditions, including termination of the contract and risk-and-cost execution of the remaining work/services.

21. Penalty Clause

21.1 Penalty for Non-Availability of Manpower

Non-availability, absence, or deployment shortfall of the prescribed manpower during the contract period shall attract the following penalty:

Electrician: Rs. 500/- per day per person.

The penalty shall be recovered from the Contractor's monthly running bills.

21.2 Penalty for Non-Adherence to Maintenance Schedule

The Contractor shall carry out all preventive and routine maintenance activities as per the approved maintenance schedule. Failure to execute the scheduled activities within the stipulated time shall attract a penalty of Rs. 1,000/- per day for each day of delay. The penalty shall be recovered from the monthly AMC/O&M bill payable to the Contractor.

21.3 Penalty for System Downtime

In the event any system remains non-functional for a continuous period of more than 2 hours due to reasons attributable to the Contractor, and the Contractor fails to locate and rectify the fault within the time specified by the Engineer-in-Charge, a penalty of Rs. 1,000/- per day per system shall be imposed until restoration of the system.

21.4 Risk and Cost Provision

If the Contractor fails to rectify any fault, breakdown, or defect within the stipulated time, NRANVP shall have the right to get the work executed through any other agency at the risk and cost of the Contractor. The actual expenditure incurred by NRANVP shall be recovered from the Contractor's dues. Such recovery shall be in addition to the penalties specified herein.

21.5 Penalty for Non-Submission of Mandatory Reports

The Contractor shall submit all reports, maintenance records, log books, and other documents required under the contract within the prescribed timelines. Failure to do so shall attract penalties as specified below.

21.6 Non-Submission of Monthly Report

The Monthly Maintenance Report shall be submitted on or before the 10th day of the succeeding month. Failure to submit the report within the stipulated period shall attract a penalty of Rs. 500/- per report per week of delay or part thereof, which shall be recovered from the Contractor's monthly bill.

21.7 Maximum Penalty

The total penalty imposed under this clause shall be limited to 10% of the annual contract value. However, repeated defaults, persistent non-performance, or failure to comply with the directions of the Engineer-in-Charge may be treated as a material breach of contract, and NRANVP shall be at liberty to terminate the contract and take further action as per the contract conditions.



22. PAYMENT

- 22.1 Payment for operation and maintenance services under BOQ Item Nos. 1 to 6 shall be made on a quarterly basis, subject to satisfactory performance of the services and certification by the Engineer-in-Charge (EIC).
- 22.2 The actual expenditure incurred towards replacement of damaged materials, spare parts, accessories, or equipment pertaining to the Electrical System (HT & LT), Internal Building Electrification, and associated installations covered under BOQ Item No. 7 shall be reimbursed only after obtaining prior approval of the Engineer-in-Charge and successful replacement/installation of the approved material. The payment for such approved replacements shall be released along with the quarterly bill, subject to verification of supporting documents, certification by the Engineer-in-Charge, and availability of budget provisions.
- The rates for such items shall be governed by the relevant provisions of the latest CGPWD Electrical SOR 2026. Payment shall be made based on the percentage (%) above, below, or at par quoted by the Contractor against the applicable Schedule of Rates.
- 22.3 In respect of items not covered under the latest CGPWD Electrical SOR 2026, payment shall be made on the basis of approved market rates.
- For determination of market rates, the Contractor shall submit a minimum of three quotations from authorized dealers/suppliers. The Engineer-in-Charge shall evaluate the quotations, and payment shall be made based on the lowest responsive quotation, inclusive of all taxes, duties, transportation, loading, unloading, and other incidental charges, duly approved by the Engineer-in-Charge.
- 22.4 No separate payment shall be made for any spare parts, consumables, accessories, repairs, replacements, servicing, testing, calibration, minor materials, tools, tackles, transportation, labour, or any other items required for the comprehensive annual maintenance of the systems covered under BOQ Item Nos. 2 to 5. The quoted rates shall be deemed to include all such costs necessary for satisfactory operation and maintenance of the systems during the contract period.

23. Extension of contract

- The contract shall remain valid for a period of three (03) years from the date of commencement of services. However, based on the satisfactory performance of the Contractor and subject to the requirements of NRANVP, the contract may be extended for a further period of up to two (02) years, in one or more spells, with the same rates, terms, and conditions of the original contract.
24. The Contractor shall employ the following technical staff during the execution of work (mandatory): -



- a) The Contractor shall deploy three (03) qualified Electricians, each possessing a minimum qualification of ITI in Electrician/Electrical Trade and having at least five (05) years of experience in the operation, maintenance, troubleshooting, and repair of 33 kV/11 kV electrical systems and associated HT/LT equipment, including transformers, HT/LT panels, switchgear, protection systems, and allied electrical installations.

25 PROVISIONS FOR PAYMENT OF WAGES THROUGH DIGITAL MODE

1. Payment of Wages through Digital Mode :-The Contractor has to ensure that at least 25 percent of all wages paid to labors shall be made through digital mode like BHIM/UPI in the respective bank account of the labors.
2. Penalty :-In case the contractor fails to pay at least 25 percent of the total wages through digital mode, a penalty of 1.5 percent of the wages not paid through digital mode out of the maximum limit of 25 percent shall be levied on the contractor by the department.

26. CONTRACTOR’S OBLIGATIONS

- 1) The Contractor shall engage all the men, tools and plants required for the work.
- 2) The contractor shall engage their own conveyance for transporting the men and materials, tools and plants required for the work.
- 3) The NRANVP will not be responsible for any loss or damage to the men/ materials, tools and plants engaged by the firm for the work.
- 4) The contract will be responsible for any damage to the NRANVP ’s property during the work.

The Contractor shall undertake and perform the Services in accordance with NRANVP Requirements and as per Good Industry Practice in a timely and efficient manner. The Contractor shall perform/ implement/ carry out the Services and training, in accordance with the terms and conditions contained herein in accordance with NRANVP Requirements and to the satisfaction of the NRANVP Representative. NRANVP reserves the right to review, revise, modify, enhance or reduce the Services from time to time.

Contractor should ensure that the NRANVP Standard Operating Procedures and work instructions for NRANVP are always adhered to, for operation & maintenance.

Contactor will carry out preventive maintenance of the Systems as per MS and as per the manufacturer’s recommendations.

The Contractor shall develop Safety, Health and Environment ("SHE") Process, quality control and assurance plans within weeks from the Commencement Date and reviews the program on a regular basis.



The Contractor shall prepare and maintain, all maintenance records, minutes of meeting, equipment breakdown reports, weekly/monthly fault logs, defects list, Preventive Maintenance reports, tools serviceability status report, monthly maintenance report. Maintenance, standard operating procedures, emergency recovery procedures shall be provided to NRANVP.

All members of the Contractor’s Team shall wear uniforms or overalls, Identity Cards, safety glasses, safety jacket, safety footwear.

No personnel shall smoke, chew tobacco, consume alcohol, litter, loiter, while on duty.

27. Definition

- “**Preventive Maintenance**” shall mean the systematic inspection, testing, servicing, adjustment, cleaning, calibration, and maintenance of all HT & LT Electrical Systems, Internal Building Electrification Systems, DG Sets, UPS Systems, Fire Alarm Systems, EPABX Systems, and other associated electrical installations covered under the contract, in accordance with the approved Maintenance Schedule, OEM recommendations, relevant standards, and directions of the Engineer-in-Charge. Preventive Maintenance shall include identification and rectification of defects, deterioration, and potential failures before they occur or develop into major faults, so as to ensure safe, reliable, and uninterrupted operation of the systems and facilities. The Preventive Maintenance Schedule may be revised from time to time with the approval of NRANVP.
- “**Breakdown Maintenance**” shall mean the corrective maintenance undertaken by the Contractor to restore any equipment, system, or installation to its normal operating condition following a fault, malfunction, failure, or breakdown.
- “**Response Time**” shall mean the maximum time taken by the Contractor's authorized personnel to report at the site and commence investigation of a fault, complaint, emergency, or breakdown after such fault or breakdown has been reported by NRANVP or its authorized representative.
- “**Repair Time**” shall mean the period within which the Contractor shall complete the rectification, repair, replacement, restoration, testing, and commissioning of the affected equipment or system after the expiry of the stipulated Response Time, so as to restore the system to normal operation.
- “**Serviceability Level**” shall mean the required level of operational availability, performance, reliability, and functionality of the systems and equipment covered under the contract, as specified in the maintenance schedule, technical specifications, and other provisions of the contract.
- “**Related Works**” shall mean works other than the Services covered under this contract, executed by NRANVP or by any other agency, contractor, utility provider, consultant, or service provider engaged by NRANVP in connection



with the operation, maintenance, management, modification, expansion, or improvement of the facilities and infrastructure at Paryawas Bhawan, Nava Raipur Atal Nagar.

28. Service Team

The Contractor shall deploy an adequate number of technically qualified, skilled, and experienced personnel at the site for the operation, maintenance, supervision, execution, and implementation of the services covered under the contract. The deployed personnel shall possess the requisite qualifications, certifications, and experience relevant to the systems and equipment under their responsibility.

The Contractor shall ensure that the service team is available as required for the efficient operation and maintenance of the systems and for attending breakdowns and emergencies within the stipulated response time.

The Contractor shall furnish to NRANVP the names, designations, qualifications, contact numbers, and other relevant details of all key personnel deployed under the contract and shall promptly inform NRANVP of any change in the deployment of personnel during the contract period. Any replacement of key personnel shall be made only with personnel of equivalent or higher qualifications and experience and shall be subject to the approval of the Engineer-in-Charge.

29. Serviceability Levels of the System

The Contractor shall maintain the HT-LT Electrical System, Internal Electrification System, and associated equipment in a fully operational and serviceable condition throughout the contract period. The required serviceability level shall be achieved through timely preventive maintenance, routine inspections, testing, repairs, and replacement of defective components in accordance with the approved maintenance schedule, OEM recommendations, relevant standards, and the provisions of the contract.

The Contractor shall ensure maximum system availability and reliability and shall promptly attend to and rectify any faults, breakdowns, or deficiencies to minimize downtime. Failure to maintain the prescribed serviceability levels shall attract penalties and other actions as stipulated elsewhere in the contract.

30. Reporting:

The Contractor shall carry out all daily, weekly, monthly, quarterly, half-yearly, and annual preventive maintenance checks and inspections as per the approved maintenance schedule, relevant standards, and the recommendations of the respective equipment manufacturers/OEMs. All maintenance activities, observations, test results, and corrective actions taken shall be properly recorded in the prescribed log books and maintenance registers.



A detailed report of the inspections carried out, observations made, abnormalities noticed, and corrective/preventive actions taken shall be submitted to the Engineer-in-Charge at the prescribed intervals. In case any defect, abnormality, deterioration, or unsafe condition is observed during inspection, the Contractor shall immediately inform the Engineer-in-Charge and initiate necessary rectification measures as per the directions of the Engineer-in-Charge to ensure safe, reliable, and uninterrupted operation of the system.

Signature of Tenderer
Date:

Chief Executive Officer, NRANVP,
Paryavas bhawan, North block Sector-
19, Atal Nagar Distt Raipur (C.G)
492002,



SCHEDULE- D
Section-V
List of Approved Makes

Signature of Contractor.....

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For the items missing in the list/ the relevant IS Code and specification should be binding on the contractor. The contractor should take approval wrt the approved vendor list prior to any procurement from the Engineer-in-charge.

A. APPROVED MAKE LIST FOR CIVIL WORKS

Sr. No.	Item	Approved Make
1	AAC Blocks	BILT/Ecorex or Equivalent as approved by NRDA
2	Acoustical Ceiling tiles	Armstrong / Anutone/ Hunter Douglas
3	Adhesive For Wood Work	Fevicol/Vamicol/Dunlop
4	Aluminium Accessories	Classic/Argen/Oxford/Nulite/Crown/EBCO
5	Aluminium composite panel	ALUCOBOND/ALSTONE/Eurobond
6	Aluminium Sections	Hindalco/Jindal
7	Anti-Termite Treatment	Pest Control India Ltd/Pest Control Service of India/Pest India Corporation/ Godrej
8	Bricks and Brick tiles	Best quality available conforming to class 75
9	Calcium Silicate Boards	HILUX by RAMCO/Gypsum India/Lafarge
10	Cement PPC/OPC	Ultratech/Lafarge/Ambuja/ACC/Birla/Century India Cement/ JK Laxmi Cement/Emami .Cement from mini cement plants shall not be allowed.
11	Cement Based Paint	Super Snowcem (Killick Nixon Ltd.)/Duracem/ Berger
12	Cement Board	Everest/Bison/Hyderabad Industries
13	Ceramic Tiles Adhesive	Pidilite/ (Saint Gobain)/MYK/ Latricrete/Bal-Endura/ MAPAI
14	Clear Glass	Saint Gobain/Asahi India Safety/Modiguard/ Pilkington
15	Concrete Additive	Sika /STP/CICO / Fosroc/Roffe/ Pidilite
16	Compressed Chequered Tiles	Eurocon/Unitile/Ultra Tiles / DURACRETE/Raj Tiles
17	Curtain Rod	Vista Levolor/Mac Décor/Aerolux/Luxelon/ Hunter Douglas
18	Dash Fasteners	Hilti/Fisher
19	Extruded Polystyrene Board	Supreme Industries/ Owens Corning/SIKA
20	Fire Doors	Shakti Met-Dor Limited/Navair/Signum
21	Flush Door	Kitply, Merino, CENTURY. Green Ply Industries/Sarda Plywood Industries Ltd (Duro Door)/Archid
22	Fly-ash Bricks	Brick Shall be as per IS 12894
23	Glass Doors (Motorised)	Autodoor Industries/DORMA/Manusa/Enox
24	Glass Fibre Acoustical Tiles	ECOPHON/Armstrong/Anutone
25	Glass mosaic tiles	Italia/Bissazza
26	Grab Bars and Disabled Hardware	DLine/ Commander/Jaguwar/Hindrance
27	GRC Screens/Louvers	Unistone/Grasim
28	Gypsum Ceiling	Lafarge/ Saint Gobain/Gypsum India
29	Heat Reflective Glass/ thermal glass	Saint Gobain/Asahi India Safety/Pilkington/ Armstrong
30	Interlocking Paving Blocks / Grass Pavers	Ultra Spectra/ Eurocon/ Duracrete/JAI MAA BAMLESHWARI INDUSTRIES /RAJ TILES
31	MDF Bords	Panelmax (Greenlam) /Anchor/Duro/Archid/Merino
32	Metal Ceilings	Armstrong / Hunter Douglas (Luxalon)

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Sr. No.	Item	Approved Make
33	Mineral Fibre Grid Ceilings	Armstrong / DAIKEN/ Hunter Douglas
34	Mirrors	Modiguard/Saint Gobain/Asahi India Safety
35	Modular Toilet Partitions	BESCO by Merino/Sturdo by Greenlam
36	Night Latch	Godrej/Dorma/Heffelle/Hettich
37	Oil Bound Distemper & Dry Distemper	Nerolac Paints/Asian Paints/AkzoNobel (Dulux)
38	Panic Exit Device	Dorma/DLine/ Heffelle/Hettich
39	Ply/ Commerical board/ Block boards/ Particle Boards	ARCHID/Century/Bhutanboad/Duro/National/Kitply
40	Polyurethane insulation and waterproofing	BASF/ BAYER/Huntsman (ICI)/Lloyd Insulations
41	Polycarbonate Sheets	Lexan from Sabic/G.E./Wilson/Sunpal/Bayer/DIP Day Lighting
42	Polymeric APP felt	Shalimar Tar Products (STP)/ Texsa India Ltd.
43	Polysulphide Sealant	STP/CICO/Pidilite
44	Pre-Laminated Particle Board	Anchor/Merinolam/Archid/Novopan/Greenply/Kitla m
45	PVC Flooring	Tarkett Floors/LG Floors/Armstrong
46	Resin Based Cement	Killick Nixon/Berger/Nerolac/ICI/Pidilite.
47	Rolling Shutters	Shakti Met-Dor Limited/Rama Rolling Shutters&Equivalent
48	Silicone Sealant	WackerChemie/Pidilite/Dow Corning
49	Spider Fittings/ WCP profiles /Patch Fittings	Dorma/ Dline/Heifele/Hettich
50	Stainless Steel Friction Stay	Securistyle/ EBCO
51	Stainless Steel Screws	Kundan/Puja/Atul/Northfold
52	Steel: Main Producers only	SAIL/RashtriyaIspat Nigam Ltd./ISCO/ TISCO/TATA/JINDAL/ESSAR
53	Structure Steel & Hallow Seation	Tata/Jindal/Sail/Bhushan
54	Synthetic Enamel Paints	AkzoNobel (Dulux)/ Kansai Nerolac Paints (Nerolac)/ Asian Paints (Apolite)
55	Tensile Fabric Roofing	ENCON/Structureflex
56	Texture Paints (Exterior)	Heritage/ AkzoNobel (Dulux)/Asian Paints
57	Texture Paints(Interior)	Heritage/Asian Paints/Dulux
58	UPVC Rain Water Pipe	Supreme/Finolex/ KML Classic
59	Veneered Particle Board	Kitply/Anchor/Archid/Century/Duro/Bhutan/ Greenply Particle Board.
60	Veneers and Laminates	Greenlam / Century/Merino/Euro/Archid
61	Vitrified Tiles/Ceramic Tiles	NITCO/ ASIAN/ KAJARIA/RAK/ /Orient Bell
62	Wall putty	Birla / JK
63	Water Proofing Materials	Shalimar Tar Products (STP)/ SIKAIWL (India) Ltd./Lloyd Insulations India Ltd./Chemisol Adhesive Pvt. Ltd. Mumbai Chemistik /CICO /Choksey /Fosrock /Dr. Fixit, BASF/ AkzoNobel (Dulux)/
64	White Cement	JK/Birla
65	Wooden Finish Ceilings	Armstrong / Anutone
66	Precast concrete tiles / Paver Blocks	Ultra/ Eurocon/ Duracrete/JAI MAA BAMLESHWARI INDUSTRIES /RAJ TILES

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Signature of ANVP.....

B. APPROVED MAKE LIST FOR PLUMBING WORKS

Sr. No.	Item	Approved Make
1	Automatic variable temperature control/ fixed temperature control faucets	Jaguar/Kohler/Hindware
2	Ball Valves /Globe valves	ITAP (Italy)/TBS Engineers Ltd./Zoloto/RB (Italy)/Leader/Surya/ DRP -M
3	Battery operated Autosensor Urinal flushing system	Parry/UTech Systems/AOS Systems/Jaguar/Kohler/Hindware
4	Brass stop & Bib Cock	Jaquar/Hindware/Kohler
5	Ball valve with floats	Zoloto/ Leader/ Sant/ Jayco
6	C.I. Spun Pipe (IS 8329)	Electro Steel/ IISCO/Lanco / HAPCO
7	Centrifugally Cast CI Soil Waste Pipe And Vent Pipes (IS 3989)	Neco/Anand/ HAPCO /Ashutosh Casting
8	CPVC Valves up to 50 mm Dia	ASTRAL /Finolex/KML Classic
9	CPVC Pipes & Fittings above 50 mm dia	ASTRAL /Finolex/KML Classic
10	CPVC Pipes & Fittings up to 50 mm dia	ASTRAL /Finolex/KML Classic
11	Chlorinator	Ion Exchange/Thermax Limited.
12	C.I. Rainwater inlet fitting/Bronze gratings etc.	Sage Metals/GMGR
13	Copper Fittings (Capillary)	Yorkshire Imperial/ U.K./Rajco Metal Works/ Mumbai/IBP Conex Ltd.
14	Copper Pipes	Rajco Metal Works/ Mumbai/IBP Conex Ltd.
15	C.I. Sluice Valve (Fully Way Checked And Globe Valve)	Leader/Kirloskar/Upadhyay
16	C.P. Fitting And Accessories	Jaquar/Parry/GEM/Kohler/Hindware / Artize
17	Cockroach Trap	Chilly/Player/Jayna
18	Centrifugal Pump	Crompton/Kirloskar/KSB/Grundfos
19	C.I. Fitting	Unik/Neco/Hepco
20	C.I. Sluice Valve& Non- Return Valve	Kirloskar/IVC/Leader/Electrostal
21	C.I. Spun Pipe (IS 8329)	Electro Steel/Kesoram/IISCO/Lanco/Neco/Hepco
22	Centrifugally Cast CI Soil Waste Pipe And Vent Pipes (IS 3989)	Neco/Anand/HEPCO/Ashutosh Casting
23	D.I. Pipe Fitting	Electro Steel Casting Limited/Lanco Industries Ltd./Jindal
24	Ductile Iron(DI) pipe	Electro steel casting ltd./Jindal saw ltd.
25	FRP/GRP	EVERLAST /TECHNOCRATS /THERMOSET /BAJAJ
26	Flush Valves	Jaquar/Kohlar/Hindware
27	Filtration Plant / Softening Plant	Thermax Limited./Ion Exchange
28	G.I. Pipe With Anti Corrosive Coating	Jindal/Zenith/Hissar/Tata
29	G.I. Fitting	R Brand/Zoloto/Unik/Surya/KC

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Sr. No.	Item	Approved Make
30	Gun Metal Valves (Fully Checked And Globe Valve)	Zoloto/Leader/Surya Gold
31	G.I. Pipes	Jindal-Hissar/ Tata/Zenith
32	G.I. Fittings	Unik/ K.C./ Zoloto/Leader/Surya
33	Gunmetal Valves	Zoloto/ Leader/ Sant/ Kilburn
34	Hand Dryer	Kopal/UTech Systems , Blue Circle (India) Pvt. Ltd./Kohler
35	Hydro Pneumatic System	HBDGM/ Grundfoss /Salmson /Nocchi
36	HDPE pipe	Duraline/ Jain/Time Tech/KML Clasic/Supreme
37	Liquid Soap Container	UTech Systems/Blue Circle (India) Pvt. Ltd. Kimberly Clark/Jaguar/Hindware/ Kohler
38	Level Controller	21st Century/Advance Auto/Sridhan International
39	Motor	Crompton/Kirloskar/Siemens/Jyoti
40	Manhole Covers & Frame SFRC	K.K/ PERGITY/Neco/SRIF/Pratibha/Bajaj
41	Non Clog Centrifugal Pump	Crompton/Kirloskar/KSB
42	PVC Flushing Cistern	Johnson Pedder/Parryware/Hindware
43	Plastic Seat And Cover (Solid Heavy Duty)	Hindware/Johnson/Pedder/ Parryware / Juquar / Kohler
44	PVC Pipes & fittings SWR Soil/ Waste & Vent Pipes and Fittings/ Type B PVC Casing & Screen Pipes	Supreme /Finolex//KML Classic
45	Polyethylene Water Storage Tank	Sintex /Rotex /Fusion /Storex/Plasto/Ocean (ISI)
46	PVC Insulated Tank 3-layer	Frontier/Euro/Diplast
47	P.T.M.T. Fitting	Prince/India /Symet
48	PP-R pipes (PN - 16)	Amitex polymers Pvt. Ltd./Prince/Supreme
49	PVC Flushing Cistern	Johnson Pedder/Parryware / HINDWARE
50	Plastic Seat And Cover (Solid Heavy Duty)	Hindware/Johnson/Pedder/Parryae
51	RCC Hume Pipe	Indian Hume Pipe/Pragati Concrete Udyog/Equivalent/(ISI Mark) /Jain Spun /Dewan spun
52	R.O. System	Ion Exchange/Sterling India Ltd/Pentair Water
53	Stainless Steel Sinks	Jayna/Neelkanth/Nirali/Franke
54	SFRC Manhole Cover And Frame, Gully Trap covers & SFRC Casings	K.K. Manhole/Pratibha/Everlast
55	Submersible Water Pump	Raindrop/KSB/Grundfos/Kirloskar
56	Submersible Drainage Pump	Mody/Grundfos/HBDGM/Zenit
57	Stone Ware Pipes And Gully Traps (ISI Marked)	Perfect/Burn/R.K.&Equivalent, approved as per Engineer Incharge /pragati
58	Self-Closing Taps/Pillar cocks	Italy/Kohlar/Hindware/Jaguar
59	Self-Closing Mixers	Italy/Kohlar/Hindware/Jaguar
60	Solar Hot Water System	Tata BP Solar/EPL INDIA LIMITED/Solahart (India)
61	Specification for EPDM Gasket	AnandReddiplex/ Enviro Seals
62	S.S. Sink (SS-304)	Franke / Jayna / Nirali

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Sr. No.	Item	Approved Make
63	Turbine Pump	Jyoti/Kirloskar/KSB/Crompton/ Grundfos
64	Thermal insulation	K-flex/Vidoflex
65	Vitreous China Sanitary Ware	Parryware /Hindware/Kohlar/ROCA
66	Water level controller	Elegant controls/Active Controls
67	WC connections	Multi KWik (U.K) / Prince/Supreme
68	uPVC Pipes and fittings	Prince/Supreme / jain/KML Classic
69	Pipe clamp and support	Chill / euro clamping / Hi-tech/ KML Classic
70	Concealed PVC Flushing Cistern	Kohler/Hindware/Geberit/Parryware

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C. APPROVED MAKE LIST FOR FIRE FIGHTING WORKS

Sr. No.	Item	Approved Make
1	Air Release Valve / Pressure release Valve	Sukan/Leader/ZOLOTTO/TBS/Arco
2	Anti Vibration Pads	Kanwal/Dunlop/Kiloskar
3	Air Curtains.	Almonard / Becon / Technomech / Russel / Aerodynamics
4	Balancing Valve	Advance / Sant / Castle / HBD/Esseti
5	Ball Valve (Gunmetal/White Metal)	Leader/ Zoloto
6	Battery	Exide / Amco-yuasa/AMAR RAJA
7	Canvas Rrl Fire Hose	Jayshree/ Newage/ Crc /Exflame/Safeguard/ Life Guard
8	C.I. Butterfly valves	Audco/ Zoloto/ KSB Conforming To IS-13095/ Kirloskar
9	C.I. Double flanged sluice valve	Kirloskar/ Indian Valve Company Conforming To IS-780 / Exflame/Safeguard/ Life Guard
10	C.I. Double flanged non-return valves	Kirloskar/ Indian Valve Company Conforming To IS-5312
11	Diesel Engine	Kirloskar Oil/ Cummins/Ashoka Leyland / Greever/Loel
12	Dual Plat types non-return valves	Audco/ C & R/ KSB
13	Fire Hydrant Landing Valves/ Fire Brigade Connection (Isi Marked).	Minimax / Safex / Newage / Vijay / Safe Guard / Exflame/ Life Guard
14	Filters	Dyna / Kirloskar / Puromatic / Purafill / Aitech /Thermodyne / Aerosol / Smil / Pure Air
15	Fire Damper Motors	Balemo /Juvanto / Siemens
16	Fire Alarm	Honeywell/las Morley/Notifier/ Siemens
17	Forged Steel Fitting	Vs/Sant / Jk forging/Jainson industries
18	Fire Hydrant Valves And Branch Pipe	Minimax/ Newage/ Safex Conforming To Is-5290
19	First Aid Hose Reels Drum	Minimax/ Newage/ Safex Conforming To Is-884/ Exflame
20	Fire Pumps	Mather & Platt/ Kirloskar/ Crompton Greaves
21	Fire Extinguishers	Minimax/ Newage/ Nitin / Exflame/Safeguard/ Crease Fire.
22	Flow Switch	System Sensor/ Potter / Johnson control / Potter
23	Factory Mutual (F.M) U.S.A. Approved	Globe
24	Grilles /Diffusers.	Carryaire / Airmaster / Vinayaga / Matasys Corporation / Ajanta / Ravi Star
25	G.I. Fittings (Malleable Cast Iron)	R' / Zoloto/ Unik. Conforming To Is-1879(Part I To X)
26	Hose Box/Hose Reel Drum	Geetach/Safegard
27	Hp /Lp /Off Switch Thermostats /Humidistats Strip Heaters.	Penn / Honey Well / Indfoss / Escorts / Dasspass.
28	Hp /Lp /Off Switch Thermostats /Humidistats Strip Heaters.	Penn / Honey Well / Indfoss / Escorts / Dasspass.
29	Insulation Material.	Fgp / Up Twiga / Pilkington / Beardsell / Lloyds / Kimmco
30	Indicating lamps/ push buttons	Siemens/ L&t/ Ge power

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Sr. No.	Item	Approved Make
31	Installation valve	IID/ Spraysafe/ Mather & Platt / Tyco/ Viking
32	Loss Prevention (F.O.C) Council Approved	Globe
33	Mechanical Seal	Dunlop /Duramat / seald
34	Modulating Motor	Honey Well / Johnson / Stefa Control / Rapid Cool.
35	Modulating Valve/ Solenoid Valve For AHU	Rapid Cool / Honeywell / Johnson
36	Mixing Valve With Motor	Siemens / Johnson Control / Honeywell / Rapid Cool
37	Pressure Guage.	Japsin / Fiebig / Guru / Dwyer /
38	Proportional Thermostate	Honey Well / Johnsons / Landis & Steafa
39	Pressure Switch	Indfoss/ Switzer/ Resistoflex/ Kanwal /Potter
40	Protective tape	IWL (Pypkote)/ Rustech Products (Coatek)
41	Rubber Tube For Hose Reel	Jyoti/Newage/
42	Refrigerant Valve	Brasmatic / Sant
43	Rubber Hose(20mm)	Deep Jyoti/ Maruti Conforming To Is-5132
44	Sprinklers	Spray Safe / Hd/Newage.
45	Sluice Valve	Kirloskar/Ivc
46	Sprinklers	Tyco / Viking / HD
47	Standpost hydrant	Minimax/ Safex/ Newage Conforming To IS-908
48	Terminal Block	Elmex/ Wago/ Fiebeg/ H. Guru
49	Under Writers Laboratories (U.L) U.S.A Approved	Globe
50	VVVF Drive For AHU/ Cooling Tower Motor	Danfoss / Alan Bradley./ Siemens /Abb
51	Welding rods	Adani/ Oerlikon/ ESAB/Superweld/Modi/DNH
52	Y-Stainer	Leader/ Zoloto / Aip valve /Audco / Advance

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NRANVP" APPROVED MAKE LIST FOR ELECTRICAL WORK.

Sr. No	Items	Approved Makes
1A	DISTRIBUTION TRANSFORMER/OIL TYPE	EMCO/VIJAI/VOLT AMP/KIRLOSKAR/APPROVED VENDER OF CSPDCL
1B	Dry type Transformer	VOLTAMP/TELEWANE/KIRLOSKAR/ TOSHIBA / ABB LTD/ AMES IMPEX ELECTRICAL PVT LTD.
2	HT PANEL	SCHNEIDER/L&T/SIEMENS/ABB/CG
3	TIMERS	L&T/SCHNEIDER/LEGRAND/SIEMENS
4	ACB	L&T/SCHNEIDER/SIEMENS/ABB/C&S
5	CHANGE OVER SWITCH	
i	ON LOAD	L&T/C&S/ABB/HPL/SOK-MEN
II	OFF LOAD	STANDARD/C&S/ABB/L&T
6	VOLT METER, AMPERE METER	
I	ANALOG TYPE	MECO/ESSVEE/AE/ SCHNEIDER/ L&T
II	DIGITAL TYPE	MECO/ESSVEE/AE/C&S/ SCHNEIDER/ L&T
7	CURRENT TRANSFORMER for LT	C&S/AE/KAPPA/PRAGATI/OEM of VCB
8	SELECTOR SWITCH	L&T/C&S/ABB/SIEMENS /SCHNEIDER
9	STATIC WATT HOUR METER	L&T/SEMS/GENIUS/APPROVED VENDOR OF CSPDCL
10	STARTER/CONTACTORS	L&T/SCHNEIDER
11	RELAY	SIEMENS/ABB/SCHNEIDER/ER/L&T/C&G
12	MCCB	L&T/ABB/SCHNEIDER/LEGRAND
13	CONNECTORS	ELMEX/CONNECTWELL/RAYCHEM
14	MCB/RCCB/DBs	L&T/ABB/SCHNEIDER/LEGRAND
15	METAL CLAD INDUSTRIES PLUG & TOP	
i	PIN & SLEEVE TYPE	HAVELLS/LEGRAND/SCHNEIDER/ABB/L&T
16	CAPACITOR	EPCOS/SCHNEIDER/UNISTAR/ABB/L&T
17	POWER SWITCH (UPTO 32A)	L&T/SCHNEIDER/SIEMENS/ABB/ HAVELLS
18	EXHAUST FAN	CROMPTON/BAJAJ/ORIENT/USHA/HAVEELLS / KHETAN/ ALMONARD
19A	CEILING FAN/WALL FAN	GE/CROMPTON/BAJAJ/ORIENT/USHA/HAVEELLS
B	CEILING FAN/WALL FAN (BLDC)	GE/CROMPTON/BAJAJ/ORIENT/USHA/HAVEELLS
20	SWITCH & SOCKET	LEGRAND(MYRUS)/HAVELLS(Murano)/ Honeywell -(Citrus)

Signature of Contractor.....

Signature of NRANVP.....

Sr. No	Items	Approved Makes
21	LIGHT FITTING (Street light)	PHILIPS/WIPRO/BAJAJ
22	DECORATIVE LIGHT FITTING OUT DOOR	PHILIPS/WIPRO/BAJAJ/K-LITE/CROMPTON
23	LIGHT FITTING (INDOOR)	PHILIPS/WIPRO/BAJAJ/CG
24	Lighting automation	LUTRON /PHILIPS/ HONEYWELL/WIPRO
25	AIR CONDITIONER (Cassette type,Ductable,Split)	LG/VOLTAS/SAMSUNG / O-GENERAL / HITACHI / DIAKIN/CARRIER/BLUE STAR/MITSUBISI ELECTRIC/TOSHIBA
26	AIR CONDITIONER (VRV)	SAMSUNG /DIAKIN/BLUE STAR/MITSUBISI ELECTRIC/TOSHIBA/ LG/VOLTAS/ CARRIER
27	WIRES	FINOLEX/POLYCAB/RR KABEL/GLOSTER/HAVELLS
28	LT CABLES	FINOLEX/POLYCAB/GLOSTER/HAVELLS/RAVIN/CCI/UNIVERSAL/RPG(KEC)
29	BRASS GLAND	COMET/ METAL CRAFT INDUSTRIES /DOWELLS
30	ALUMINIUM LUG	DOWELLS/METAL CRAFT INDUSTRIES/COMET
31	TELEPHONE CABLE	DELTON/FINOLEX/ NATIONAL/HAVELLS/POLY CAB
32	HT CABLES	UNIVERSAL/GLOSTER/CCI/POLYCAB/RAVIN/RPG(KEC) /HAVELLS/LAPP CABLE
33	CABLE JOINTS	DENSON/RAYCHEM/3-M
34	MS CABLE TRAY	VENUS/PASCO/DOLPHIN/METALEM/ ASIAN ANCILLARIES/BEC/RR-ISPAT
35	COPPER/AL BUS TRUNKING ARRANGEMENT	L&T/SCHNEIDER/LEGRAND/C&S
36	PVC PIPES (ELECTRICAL CONDUIT)	PRECISION/BEC PLAST/AKG/POLYCAB
37	POWER TRANSFORMER 33/11 KV	CROMPTON/BHEL/EMCO/TOSHIBA/VOLT AMP/ KIRLOSKAR/ APPROVED VENDOR OF CSPDCL
38	RING MAIN UNIT 11&33 KV	CROMPTON/SIEMENS/ABB/SCHNEIDER/LUCY
39	OCTAGONAL POLES	BAJAJ/TRANSRAIL/VALMONT/Skipper
40	TUBULAR POLES	AS PER IS CODE & SPECIFICATION
41	DG SET	CUMMINS/ CATERPILLAR/STERLING WILLSON/KIRLOSKAR
42	LIFT	OTIS/JHONSON/THYSSSEN KRUPP/ MITSUBISHI /SCHINDLER/KONE
43	PACKAGE SUBSTATION	SCHNEIDER/ABB/SIEMENS/LUCY
44	BATTERY&BATTERY CHARGER	AMARRAJA/EXIDE/TEJA
45	UPS	VERTIV/SUKAM/APC/HIREN/ NUMERIC/EATON
46	DWC PIPES	TIRUPATI/C-REX/RELIANCE
47	RACE WAY	LEGRAND/M&K/ OBO BETTER MEN
48A	LT Panel ((Type test)	SCHNEIDER/L&T/SIEMENS/ABB
48 B	LT Panel	SCHNEIDER/L&T/SIEMENS/ABB & Channel partner of said

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Sr. No	Items	Approved Makes
		company
49	ELECTRICAL MOTOR	SIEMENS/ABB/CG/BHARAT BIJLEE/KIRLOSKAR/ALSTOM
50	METRING PANEL	APPROVED VENDOR OF CSPDCL
51	SOFT STARTER	SCHNIEDER/L&T/SIEMENS/ABB/TELEMECHANIQUE
52	CHEMICAL / GEL EARTHING	ABB/OBO BETTER MEN/ Multi pressing
53	MULTIREX POLYOLEFIN CABLE CHANNEL	Approved make in Railway or any Discom
54	PA System	BOSCH/BOSE/HONEY WELL
55	CCTV	HONEY WELL/MOGOTICS/AXIS,HIK-VISION
56	BMS	SCHNIEDER/SIEMENS/GFR/HONEYWELL
57	TELEPHONE SYSTEM	ALCATEL/ SIEMENS/AVAYA/BEETEL

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E. APPROVED MAKE LIST FOR HVAC WORKS

Sr. No.	Item	Approved Make
1	Accessories	
A	Automatic Air Vent	Rapid Control/Spirotech /Emerald
B	Flow Switch	Rapid Control/Anergy
C	Pressure Gauge	H.Guru/Fiebig/ Emerald
D	Pot Strainer	Vaishno/ Flowell/ Emerald
E	Suction Guide	Anergy/ Rapid Control/ Emerald
F	Thermometer	Emerald/ Fiebig/Japsin/Guru/H.Guru//Bestobell
G	Y-strainer	Flowell/ Emerald
2	Air Filters	
A	Filters	Airtech/ Purolator/ Mechmark
3	Air Handling Units	
A	Air Handling Units (High Static)	VTS/Crystal/EdgeTech/Zeco/Waves/FeddersLlyod
B	Air Handling Units (Sectional /Unitary)	VTS/ Crystal / EdgeTech /Zeco/ Waves/ FeddersLlyod
C	Air washer/Scrubber	Crystal /EdgeTech /Zeco/ Airflow/Roots Air/Humidin
D	Fan Coil Units	VTS/ Crystal / EdgeTech /Zeco/ Waves/ FeddersLlyod
E	Ozone	RUKS / Trimed
F	Second Stage Air washer	Ambassador/Roots
4	Air Ozone	RUKS/ Trimed
5	Axial Flow Fans	
A	Axial Flow Fans	Kruger/Comefri/Airflow/Humidin
B	Centrifugal Blowers	Kruger/Comefri/Airflow/Humidin
6	Building Automation System	
A	Airflow Switch (Air & water)	Johnson Control/Anergy/ Honeywell/Siemens
B	DDC Controllers	Johnson Control/Anergy/Honeywell/Siemens
C	Sensors(Pressure/Teinperature)	Johnson Control/Anergy/ Honeywell/Siemens
D	VAV	Johnson Control/Anergy Honeywell/Siemens
7	Cables	
A	Control Cables	Ford/Glostor/ Finolex/Polycab/universal/Havells
B	Power Cables	Gloster /universal/Ravin/RPG KEC/Havells/CCI
8	Controls	
A	2/3-Way motorized valve for AHU	Honeywell/Belimo
B	2/3-Way motorized valve for FCU	Honeywell/Belimo
C	Thermostats	Belimo/ Honeywell/ Siemens
9	Ducting & Grilles	
A	Factory Fabricated	Ductofab/Zeco
B	Fire Dampers motors	Belimo/Seimens/Conaire
C	G.I. Sheet Metal Duct	Jindal/National/ Tata
D	Grilles/Fire Dampers/Diffusers	Airflow/Tristar/ Dynamic/Conaire/Caryaire
E	G.I. Sheets	Jindal/ SAIL/ Nippon
F	PUF/PIR Board or Panel	PAL / P3
G	Self-adhesive gaskets	"Prima Seal".Phone: (011-6179614/ 6160850)
H	Stick Pins	Prima Seal/Air flow

Signature of Contractor.....

Signature of ANVP.....

2

Sr. No.	Item	Approved Make
10	Electrical Equipment	
A	Change Over Switch	Siemens/L&I/HH Elcon/ Socomech/ HPL
B	Electric Motors	ABB/Siemens/Crompton/Kirloskar/Alstom/Jyothi
C	Earthing Chemical	OBO Bettcemann/Erika/JEF
D		
E	Earthing	JMV or as per IS Code.
F	Indicating lamps	Siemens/L&T/Cutler Hammer/Covered modular/Vaishno
G	Line Type Fuse	GEC Alstom/Siemens
H	Starters/Switchgear	Cutler Hammer/Siemens/English Electric/ L&T
I	Timer	Siemens/Cutler Hammer/ GEC Alstom
J	Terminal Block	Elmex/ Comex/ HMI
K	Voltmeter/Ammeter	Siemens/AE/KAPPA/Rishabh (L&T) Automatic Electric
11	High Side Equipment	
A	Cooling Towers	Paharpur/Coron/Flowtech/Mihir
B	Electric hot water generator	Rapid cool/ KEPL/Emerald
C	Pumps Coupled	Kirloskar/Maxflow/ Beacon/Mather & Platt/ Gundfoss
D	Pumps Monoblock	Kirloskar/Beacon/Siemens/Gundfoss
E	Pumps Coupled with VFD	ITT/Bell & Goset/ Gundfoss
F	VFD with controls	ABB/Danfoss
G	Water Cooled Screw Chilling Units	Carrier/Trane/York/BlueBox/Clivet /Dan hum bush /Daikin Mcqway
12	Insulation	
A	Aluminium Tape	Johnson/Birla 3M/Garware
B	Crossed linked Polyethylene Foam	Trocellene / Paramount/Supreme
C	Closed Cell Elastomeric Insulation	K-flex /Vedoflex
D	Expanded Polystyrene	Thermolloyd/ R.P. Packaging
E	Glass Wool	Owens Corning /U.P. Twiga
F	Non woven fibre material	Mikron/ Du pont
G	Polyurethane Foam	Malanpur /Superurethane
H	Premoulded PUF section for pipe & pipe supports	Malanpur/ Lloyd
13	Microprocessor based systems	Siemens/Johnson Controls/Honeywell/ Belimo
14	Miscellaneous	
A	Anchor fastners	Cannon/ Hilti/Fisher
B	Vibration isolator	Resistoflex/Dunlop/Kanwal
15	On-line non-chemical water treatment system	Scale Guard of Aqua Treat Pvt. Ltd./ Crystallo of D-Borne Engineers/ Scaloid of TBI System
16	Paints	
A	Bituminous	Shalimar/ICI / Dulux
B	Enamel	AkzoNobel/ Asian/ Nerolac/ Berger/ICI
C	Plant Audit & Certification Works	Energy Management Consultants
D	Tarfelt (for underground chilled water pipe insulation)	Shalimar
17	Valves	
A	Butterfly Valves	Audco/Advance/Castle/Honeywell /C & R/AIP Valve
B	Balancing Valves	Advance/Audco/ Honeywell/ C & R

Signature of Contractor.....

Signature of ANVP.....

Sr. No.	Item	Approved Make
C	Gate/Globe Valves	Sant/ Zoloto/Emerald
D	Non Return Valve	Advance /Audco/ Castle/I Honeywell/AIP Valve

Signature of Contractor.....

Signature of ANVP.....



F. APPROVED MAKE LIST FOR ELECTROMECHANICAL WORKS

Sr. No.	Item	Approved Make
1	Valves	
A	Flow Control Valve with Electric Actuator	Kirloskar/auma/Samson/Avcon or Approved by NRDA
2	Water Meters	
A	Electromagnetic Flow meters	Siemens/Krohne Marshall/Endress Hauser/ABB/Adept Fluidyne/Approved by NRDA
B	Mechanical Meters	Itron /Hindustan Water Engineering Company /Zenner or Approved by NRDA
3	Pumps	
A	Skid mounted Hydro pneumatic system	Grundfos/Kirloskar or Approved by NRDA
B	Vertical Submersible Dewatering Pump	Grundfos/Kirloskar or Approved by NRDA
4	Ultrasonic Level Transmitters	Siemens/Endress Hauser/ABB or Approved by NRDA

Signature of Contractor.....

Signature of ANVP.....

नवा रायपुर अटल नगर विकास प्राधिकरण

पर्यावास भवन, नार्थ ब्लॉक, सेक्टर - 19, नवा रायपुर, अटल नगर, रायपुर (छ.ग.) 492002
PH.NO. +91771 2512500, FAX +91771 2512400, e-mail. ceo.nranvp@cg.gov.in

क्र. 550 /4(3) Engg. Sec./CE/NRANVP/2023-24,

Date 15 /03/2024

सामग्री अनुमोदन आदेश

नवा रायपुर अटल नगर विकास प्राधिकरण अंतर्गत निर्माण परियोजनाओं के लिए जारी किये जाने वाले निविदा प्रपत्रों में उपलब्ध Approvaed Make List में M/s Shree Cement Limited, Bangur Nagar, Beawar-305901, Dist, Ajmer, Rajsasthan (India) को निम्नानुसार तालिका में वर्णित सामग्रियों हेतु Aapproved Make सूची में शामिल किया जाता है।

APPROVED MAKE LIST FOR CIVIL WORKS

Sr. No.	Item	Approved Make
01	Cement PPC/OPC (Grade 43)	Shree Cement

यह अनुमोदन निम्न शर्तों के अधीन मान्य होगा --

1. अनुमोदित सामग्री की क्वालिटी, आकार अथवा अन्य कोई शिकायत सिद्ध होती है तो यह अनुमोदन निरस्त किया जा सकता है।
2. उत्पाद के साथ निर्धारित परीक्षण प्रपत्र संलग्न करना आवश्यक है।
3. यह अनुमोदन उत्पादों की बी.आई.एस. प्रमाण पत्रों की वैधता तिथि तक मान्य होगा।
4. समय-समय पर उपरोक्त उत्पादों के प्राईस लिस्ट/केटलाग/ड्राईंग आदि जब भी परिवर्तित होंगे, इस कार्यालय को उपलब्ध कराना होगा।
5. यह अनुमोदन भारतीय मानक ब्यूरो द्वारा जारी सामग्री का लैबोरेटरी नवीनीकरण होने पर ही मान्य होगा। नवीनीकरण के प्रत्येक प्रमाण पत्र की प्रति इस कार्यालय को उपलब्ध कराना आवश्यक है। अनुमोदित प्रत्येक सामग्री पर आई.एस.आई. चिन्ह अंकित होना चाहिये।
6. बगैर कारण दर्शाए यह अनुमोदन निरस्त करने का सर्वाधिकार विभाग के पास सुरक्षित होंगे।

मुख्य अभियंता

नवा रायपुर अटल नगर विकास प्राधिकरण
नवा रायपुर अटल नगर जिला-रायपुर (छ.ग.)

पृ. क्र. 550-A /4(3) Engg. Sec./CE/NRANVP/2023-24,

Date 15 /03/2024

प्रतिलिपी :-

1. निज सचिव, मुख्य कार्यपालन अधिकारी, नआरएएनव्हीपी, नवा रायपुर अटल नगर को सूचनार्थ।
2. प्रमुख अभियंता, नआरएएनव्हीपी, नवा रायपुर अटल नगर को सूचनार्थ।
3. अधीक्षण अभियंता (अभि.), एनआरएएनव्हीपी, नवा रायपुर अटल नगर को सूचनार्थ।
4. कार्यपालन अभियंता (सिविल-1, 2, 3, 4/ विद्युत.), एनआरएएनव्हीपी, नवा रायपुर अटल नगर को सूचनार्थ।
- 5- M/s Shree Cement Limited, Bangur Nagar, Beawar-305901, Dist, Ajmer, Rajasthan (India)

मुख्य अभियंता

नवा रायपुर अटल नगर विकास प्राधिकरण
नवा रायपुर अटल नगर जिला-रायपुर (छ.ग.)

नवा रायपुर अटल नगर विकास प्राधिकरण

पर्यावास भवन, नार्थ ब्लॉक, सेक्टर - 19, नवा रायपुर, अटल नगर, रायपुर (छ.ग.) 492002
PH.NO. +91771 2512500, FAX +91771 2512400, e-mail. ceo.nranvp@cg.gov.in

क्र. 9/3 /4(3) Engg. Sec./CE/Vendor-15/NRANVP/2023-24,

Date 14/05/2024

सामग्री अनुमोदन आदेश

नवा रायपुर अटल नगर विकास प्राधिकरण अंतर्गत निर्माण परियोजनाओं के लिए जारी किये जाने वाले निविदा प्रापत्रों में उपलब्ध Approvaed Make List में M/s KEI Industries Limited, New Delhi-110020 को निम्नानुसार तालिका में वर्णित सामग्रियों हेतु Aapproved Make सूची में शामिल किया जाता है।

Sr. No.	Item	Approved Make
01	Electrical Wires & Cables	KEI Industries Ltd.

यह अनुमोदन निम्न शर्तों के अधीन मान्य होगा -

1. अनुमोदित सामग्री की क्वालिटी, आकार अथवा अन्य कोई शिकायत सिद्ध होती है तो यह अनुमोदन निरस्त किया जा सकता है।
2. उत्पाद के साथ निर्धारित परीक्षण प्रपत्र संलग्न करना आवश्यक है।
3. यह अनुमोदन उत्पादों की बी.आई.एस. प्रमाण पत्रों की वैधता तिथि तक मान्य होगा।
4. समय-समय पर उपरोक्त उत्पादों के प्राईस लिस्ट/केटलाग/ड्राईंग आदि जब भी परिवर्तित होंगे, इस कार्यालय को उपलब्ध कराना होगा।
5. यह अनुमोदन भारतीय मानक ब्यूरो द्वारा जारी सामग्री का लाईसेंस नवीनीकरण होने पर ही मान्य होगा। नवीनीकरण के प्रत्येक प्रमाण पत्र की प्रति इस कार्यालय को उपलब्ध कराना आवश्यक है। अनुमोदित प्रत्येक सामग्री पर आई.एस.आई. चिन्ह अंकित होना चाहिये।
6. बगैर कारण दर्शाए यह अनुमोदन निरस्त करने का सर्वाधिकार विभाग के पास सुरक्षित होंगे।

मुख्य अभियंता

नवा रायपुर अटल नगर विकास प्राधिकरण
नवा रायपुर अटल नगर जिला-रायपुर (छ.ग.)

पृ. क्र. 9/3-A /4(3) Engg. Sec./CE/Vendor-15/NRANVP/2023-24

Date 14/05/2024

प्रतिलिपि :-

1. निज सचिव, मुख्य कार्यपालन अधिकारी, नआरएएनव्हीपी, नवा रायपुर अटल नगर को सूचनार्थ।
2. प्रमुख अभियंता, नआरएएनव्हीपी, नवा रायपुर अटल नगर को सूचनार्थ।
3. अधीक्षण अभियंता (अभि.), एनआरएएनव्हीपी, नवा रायपुर अटल नगर को सूचनार्थ।
4. कार्यपालन अभियंता (सिविल-1, 2, 3, 4 / विद्युत.), एनआरएएनव्हीपी, नवा रायपुर अटल नगर को सूचनार्थ।
5. M/s KEI Industries Limited, D-90, Okhla Industeial Area, Phase-1, New Delhi-110020, Tel: 011-26818840/8642/0242, Email: info@kei-ind.com, delhi@kei-ind.com

मुख्य अभियंता

नवा रायपुर अटल नगर विकास प्राधिकरण
नवा रायपुर अटल नगर जिला-रायपुर (छ.ग.)

नवा रायपुर अटल नगर विकास प्राधिकरण

पर्यावास भवन, नार्थ ब्लॉक, सेक्टर - 19, नवा रायपुर, अटल नगर, रायपुर (छ.ग.) 492002
PH.NO. +91771 2512500, FAX +91771 2512400, e-mail. ceo.nranvp@cg.gov.in

क्र. 435 / 4(3) Engg. Sec./CE/Vendor-15/NRANVP/2024-25,

Date 21 / 02 / 2025

सामग्री अनुमोदन आदेश

नवा रायपुर अटल नगर विकास प्राधिकरण अंतर्गत निर्माण परियोजनाओं के लिए जारी किये जाने वाले निविदा प्रपत्रों में उपलब्ध Approved Make List में CPPLUS को निम्नानुसार तालिका में वर्णित सामग्रियों हेतु Approved Make सूची में शामिल किया जाता है।

Sr. No.	Item	Approved Make
01	CCTV	CPPLUS

यह अनुमोदन निम्न शर्तों के अधीन मान्य होगा -

1. अनुमोदित सामग्री की क्वालिटी, आकार अथवा अन्य कोई शिकायत सिद्ध होती है तो यह अनुमोदन निरस्त किया जा सकता है।
2. उत्पाद के साथ निर्धारित परीक्षण प्रपत्र संलग्न करना आवश्यक है।
3. यह अनुमोदन उत्पादों की बी.आई.एस. प्रमाण पत्रों की वैधता तिथि तक मान्य होगा।
4. समय-समय पर उपरोक्त उत्पादों के प्राईस लिस्ट/केटलाग/ड्राईंग आदि जब भी परिवर्तित होंगे, इस कार्यालय को उपलब्ध कराना होगा।
5. यह अनुमोदन भारतीय मानक ब्यूरो द्वारा जारी सामग्री का लाईसेंस नवीनीकरण होने पर ही मान्य होगा। नवीनीकरण के प्रत्येक प्रमाण पत्र की प्रति इस कार्यालय को उपलब्ध कराना आवश्यक है। अनुमोदित प्रत्येक सामग्री पर आई.एस.आई. चिन्ह अंकित होना चाहिये।
6. बगैर कारण दर्शाए यह अनुमोदन निरस्त करने का सर्वाधिकार विभाग के पास सुरक्षित होंगे।


मुख्य अभियंता

नवा रायपुर अटल नगर विकास प्राधिकरण
नवा रायपुर अटल नगर जिला-रायपुर (छ.ग.)

पृ. क्र. 435-A / 4(3) Engg. Sec./CE/Vendor-15/NRANVP/2024-25

Date 21 / 02 / 2025

प्रतिलिपि :-

1. निज सचिव, मुख्य कार्यपालन अधिकारी, एनआरएएनव्हीपी, नवा रायपुर अटल नगर को सूचनार्थ।
2. प्रमुख अभियंता, एनआरएएनव्हीपी, नवा रायपुर अटल नगर को सूचनार्थ।
3. अधीक्षण अभियंता (अभि.), एनआरएएनव्हीपी, नवा रायपुर अटल नगर को सूचनार्थ।
4. कार्यपालन अभियंता (सिविल-1, 2, 3, 4, 5 / विद्युत.), एनआरएएनव्हीपी, नवा रायपुर अटल नगर को सूचनार्थ।
5. M/s Aditya Infotech Ltd., Khemka Square, A-12, Sector-4, Noida-201301 & Regd. Office:- F-28, Okhla Industrial Area, Phase-1, New Delhi - 110020, Email Address - Sales@adityagroup.com & hemant.verma@adityagroup.com


मुख्य अभियंता

नवा रायपुर अटल नगर विकास प्राधिकरण
नवा रायपुर अटल नगर जिला-रायपुर (छ.ग.)

नवा रायपुर अटल नगर विकास प्राधिकरण

पर्यावास भवन, नार्थ ब्लॉक, सेक्टर - 19, नवा रायपुर, अटल नगर, रायपुर (छ.ग.) 492002
PH.NO. +91771 2512500, FAX +91771 2512400, e-mail. ceo.nranvp@cg.gov.in

क्र. ५३६ /4(3) Engg. Sec./CE/Vendor-15/NRANVP/2024-25,

Date २१ /02/2025

सामग्री अनुमोदन आदेश

नवा रायपुर अटल नगर विकास प्राधिकरण अंतर्गत निर्माण परियोजनाओं के लिए जारी किये जाने वाले निविदा प्रपत्रों में उपलब्ध Approved Make List में CG Power and Industrial Solutions Limited (CGPISL) को निम्नानुसार तालिका में वर्णित सामग्रियों हेतु Approved Make सूची में शामिल किया जाता है।

Sr. No.	Item	Approved Make
01	Compact Substations (CSS)	CG Power and Industrial Solutions Limited (CGPISL)

यह अनुमोदन निम्न शर्तों के अधीन मान्य होगा –

1. अनुमोदित सामग्री की क्वालिटी, आकार अथवा अन्य कोई शिकायत सिद्ध होती है तो यह अनुमोदन निरस्त किया जा सकता है।
2. उत्पाद के साथ निर्धारित परीक्षण प्रपत्र संलग्न करना आवश्यक है।
3. यह अनुमोदन उत्पादों की बी.आई.एस. प्रमाण पत्रों की वैधता तिथि तक मान्य होगा।
4. समय-समय पर उपरोक्त उत्पादों के प्राईस लिस्ट/केटलाग/ड्राईंग आदि जब भी परिवर्तित होंगे, इस कार्यालय को उपलब्ध कराना होगा।
5. यह अनुमोदन भारतीय मानक ब्यूरो द्वारा जारी सामग्री का लाईसेंस नवीनीकरण होने पर ही मान्य होगा। नवीनीकरण के प्रत्येक प्रमाण पत्र की प्रति इस कार्यालय को उपलब्ध कराना आवश्यक है। अनुमोदित प्रत्येक सामग्री पर आई.एस.आई. चिन्ह अंकित होना चाहिये।
6. बगैर कारण दर्शाए यह अनुमोदन निरस्त करने का सर्वाधिकार विभाग के पास सुरक्षित होंगे।


मुख्य अभियंता

नवा रायपुर अटल नगर विकास प्राधिकरण
नवा रायपुर अटल नगर जिला-रायपुर (छ.ग.)

पृ. क्र. ५३६-A/4(3) Engg. Sec./CE/Vendor-15/NRANVP/2024-25

Date २१ /02/2025

प्रतिलिपी :-

1. निज सचिव, मुख्य कार्यपालन अधिकारी, एनआरएनवीपी, नवा रायपुर अटल नगर को सूचनार्थ।
2. प्रमुख अभियंता, एनआरएनवीपी, नवा रायपुर अटल नगर को सूचनार्थ।
3. अधीक्षण अभियंता (अभि.), एनआरएनवीपी, नवा रायपुर अटल नगर को सूचनार्थ।
4. कार्यपालन अभियंता (सिविल-1, 2, 3, 4, 5 / विद्युत.), एनआरएनवीपी, नवा रायपुर अटल नगर को सूचनार्थ।
5. M/s CG Power and Industrial Solutions Limited, A-3 MIDC, Ambad, Nashik 422 010, Maharashtra, India, Email: Sumant.kale@cgglobal.com


मुख्य अभियंता

नवा रायपुर अटल नगर विकास प्राधिकरण
नवा रायपुर अटल नगर जिला-रायपुर (छ.ग.)

SCHEDULE– D
Section – VI
Drawings

NOT APPLICABLE



Signature of Contractor.....

Signature of NRANVP.....

SCHEDULE– E
Reference to General Conditions of contract.

Signature of Contractor.....

Signature of NRANVP.....



SCHEDULE-E

Reference to General Conditions of contract.

Name of Work: Annual Maintenance of HT & LT Electrical Systems, Building Electrification, and Comprehensive Annual Maintenance of UPS Systems, Fire Alarm System, DG Sets, and Telephone System at Paryawas Bhawan, Sector-19, Nava Raipur Atal Nagar, District Raipur (C.G.)”(1st Call)

- Estimated cost of work : Rs 47.69 Lakh per year
- (i) Earnest Money : Rs. 96,000.00
- (ii) Performance Guarantee : 5% of tendered value
- (iii) Security Deposit : 5% of tendered value

SCHEDULE– F

General Rules & Directions

SCHEDULE-F

GENERAL RULES & DIRECTIONS: Officer inviting E-Tender

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

See below

Definitions:

2(v)	Engineer-in-Charge	EE(Electrical)
2(viii)	Accepting Authority	Chief Executive Officer, NRANVP
2(x)	Percentage on cost of materials and Labour to cover all overheads and profits:	15 %
2(xi)	Standard Schedule of Rates	CG PWD SoR with Updated Amendments
2(xii)	Department	Nava Raipur Atal Nagar Vikas Pradhikaran

Clause 1

- | | | |
|------|---|----------------|
| (i) | Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance | 07 days |
| (ii) | Maximum allowable extension beyond the period provided in (i) above | 07 days |

Clause 2

Authority for fixing compensation under clause 2	CEO, NRANVP
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Clause 2A

Whether Clause 2A shall be applicable	No
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Clause 5

Number of days from the date of issue of letter of acceptance for reckoning date of start	07 days
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Signature of Contractor.....

Signature of NRANVP.....

Mile stone(s) as per table given below:-

Project milestone will be governed wrt approved work program submitted by the agency at the start of work

(To be submitted by the E-Tendered on award of work)

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 mile stone
1.	Deployment of Manpower	7 Days	INR 2,00,000.00

Time allowed for Works

36 Months (including rainy season)

Authority to decide:

- (i) Extension of time **CEO, NRANVP** (Engineer in Charge or Engineer in Charge of Major Component in case of Composite Contracts, as the case may be)
- (ii) Rescheduling of mile stones Chief **Engineer**

Clause 6, 6A

Clause applicable - (6 or 6A)

6A

Clause 7 Payment

Signature of Contractor.....

Signature of NRANVP.....

- a) Payment for operation and maintenance services under BOQ Item Nos. 1 to 6 shall be made on a quarterly basis, subject to satisfactory performance of the services and certification by the Engineer-in-Charge (EIC).
- b) The actual expenditure incurred towards replacement of damaged materials, spare parts, accessories, or equipment pertaining to the Electrical System (HT & LT), Internal Building Electrification, and associated installations covered under BOQ Item No. 7 shall be reimbursed only after obtaining prior approval of the Engineer-in-Charge and successful replacement/installation of the approved material. The payment for such approved replacements shall be released along with the quarterly bill, subject to verification of supporting documents, certification by the Engineer-in-Charge, and availability of budget provisions.
- The rates for such items shall be governed by the relevant provisions of the latest CGPWD Electrical SOR 2026. Payment shall be made based on the percentage (%) above, below, or at par quoted by the Contractor against the applicable Schedule of Rates.
- c) In respect of items not covered under the latest CGPWD Electrical SOR 2026, payment shall be made on the basis of approved market rates.
- For determination of market rates, the Contractor shall submit a minimum of three quotations from authorized dealers/suppliers. The Engineer-in-Charge shall evaluate the quotations, and payment shall be made based on the lowest responsive quotation, inclusive of all taxes, duties, transportation, loading, unloading, and other incidental charges, duly approved by the Engineer-in-Charge.
- d) No separate payment shall be made for any spare parts, consumables, accessories, repairs, replacements, servicing, testing, calibration, minor materials, tools, tackles, transportation, labour, or any other items required for the comprehensive annual maintenance of the systems covered under BOQ Item Nos. 2 to 5. The quoted rates shall be deemed to include all such costs necessary for satisfactory operation and maintenance of the systems during the contract period.
- e) Payment for the items covered under BOQ Item No. 8 shall be made on an actual basis only after successful supply, installation, testing, commissioning, and satisfactory operation of the respective items, duly certified by the Engineer-in-Charge.

Clause 10A All the materials as per contract

Clause 10B(ii)

Whether Clause 10B (ii) shall be applicable **Applicable subjected to Clause as per Special conditions of contract**

Clause 10C **Not Applicable**

Clause 10CA **Not Applicable**



Clause 11

Specifications to be followed for execution of work **E-Tender specification attached with E-Tender document, CPWD,**

Clause 12

- 12.2. & 12.3 Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for building and allied infrastructure work..... **200%**
- 12.5 Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work..... **200%**

Clause 16

Competent Authority for deciding reduced rates.

Chief Engineer ,NRANVP

Clause 18

List of mandatory machinery, tools & plants to be deployed by the contractor at site: -

As per relevant Clause of Special Conditions of Contract

Clause 36 (i): Minimum Technical Representative(s) and recovery Rate

Sl. No	Designation (Principal Technical/ Technical Representative)	Number	Educational and Relevant Experience	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i)
1	Electrician	3	ITI in Electrician/Electrical Trade and having at least five (05) years of experience in the operation, maintenance, troubleshooting, and repair of 33 kV/11 kV electrical systems and associated HT/LT equipment, including transformers, HT/LT panels, switchgear, protection systems, and allied electrical installations.	500

Signature of Contractor.....

Signature of NRANVP.....