



अखिल भारतीय आयुर्विज्ञान संस्थान भोपाल

**Office of the Superintending Engineer, Project Cell, MoHFW,
Block No. 10, Hospital Building, AIIMS, Saket Nagar, Bhopal.**

e-mail: se@aiimsbhopal.edu.in, Phone : 0755-2900697

NOTICE INVITING TENDER

Vide TS No.	:	53/TS/EE(E)/ABEU/AIIMS/BPL/2018-19
Notice inviting e-tender No.	:	30/EE(E)/ABEU/AIIMS/BPL/2018-19
Name of Work	:	Operation and maintenance of electrical substations and UPS system at AIIMS Bhopal.
Estimated Cost	:	₹ 71,34,440/-
Earnest Money	:	₹ 1,42,689/- (2% of Estimated Cost)
Performance Guarantee	:	5% of Tender Value
Security Deposit	:	2.5% of Tender Value
Time Allowed	:	12 (Twelve) Months.

Certified that this N.I.T. contains 01 to 44 Pages (One to Forty Four).

Assistant Engineer (E) (P),
ABEU, AIIMS Bhopal

Executive Engineer (E)
ABEU, AIIMS Bhopal

This N.I.T. is approved for ₹ **71,34,440/-** (Rupees Seventy One Lakh Thirty Four Thousand Four Hundred Forty Only)

Superintending Engineer,
MoHFW, Project Cell,
AIIMS Bhopal

INDEX

Name of Work:- **Operation and maintenance of electrical substations and UPS system at AIIMS Bhopal.**

Serial No.	Contents	Page No.	Remarks
1	Index	1 to 2	
2.	Press Tender Notice	3 to 4	
3.	Information and instructions for Contractors	5 to 6	
4.	Notice inviting tender (CPWD – 7)	7 to 10	
5.	Integrity Pact	11 to 17	
6.	Tender and contract	18 to 20	
7	Schedule “A” to “F”	21 to 26	
8.	Form of Earnest Money Deposit (Bank guarantee Bond)	27 to 28	
9.	Form of Performance Guarantee (Bank guarantee Bond)	29 to 30	
10.	Special Condition	31 to 40	
11.	PRICE BID	31 to 42	

Certified that this bid document contains pages 1 to 42 (One to Forty Two) excluding front and back cover page

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CORRECTION	<u>NIL</u>	INSERTION	<u>NIL</u>	
CUTTING	<u>NIL</u>	OVERWRITING	<u>NIL</u>	
				AE(P) EE(P)

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**AIIMS BHOPAL
NOTICE INVITING e-TENDER**

PRESS NOTICE FOR NEWS PAPER

The Executive Engineer (E), Project Cell, MoHFW, Block No. 10, Hospital Building, AIIMS, Saket Nagar, Bhopal (Phone 0755-2831045, 2900697 email : se@aiimsbhopal.edu.in, ee.electrical@aiimsbhopal.edu.in,) on behalf of The Director (AIIMS) Bhopal invites Percentage Rate Bids from approved & eligible bidders registered with CPWD in appropriate class & category in Single Bid System for the following work:

NIT No. 30/EE (E)/ABEU/AIIMS/BPL/2018-19,

Name of work: - Operation and maintenance of electrical substations and UPS system at AIIMS Bhopal.

Estimated Cost: ₹. 71,34,440/- **Earnest Money:** - ₹. 1,42,689/-

Period of completion: - 12 Months, **Last time and date of submission of bid:** Up to 03.00 PM on 18/02/2019.

The Bid forms and other details can be obtained from the website www.tenderwizard.com/AIIMSBHOPAL, www.aiimsbhopal.edu.in and www.eprocure.gov.in.

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INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING FORMING PART OF BID DOCUMENT AND TO BE POSTED ON WEBSITE (APPLICABLE FOR INVITING BIDS ON SINGLE BID SYSTEM)

The Executive Engineer (E), Project Cell, MoHFW, Block No. 10, Hospital Building, AIIMS, Saket Nagar, Bhopal (Phone 0755-2831045, 2900697 email : se@aiimsbhopal.edu.in, ee.electrical@aiimsbhopal.edu.in.) on behalf of **The Director (AIIMS) Bhopal** invites **Percentage Rate Bids** from approved & eligible bidders registered with CPWD in appropriate class & category in Single Bid System for the following work:

Sr. No.	NIT No.	Name of work & Location	Estimated Cost put to bid	Earnest Money	Period of Completion	Last date & time of submission of bid, original EMD, and other documents as specified in the NIT	Time & Date of opening of Price BID
1	2	3	4	5	6	7	8
1	30/EE(E)/ABEU/AIIMS/BPL/ 2018-19	Operation and maintenance of electrical substations and UPS system at AIIMS Bhopal.	₹. 71,34,440/-	₹. 1,42,689/-	12 Months	Up to 3:00 PM on 18/02/2019	Up to 3:30 PM on 18/02/2019

1. The intending bidder must read the terms and conditions of **CPWD-7** carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
2. Information and Instructions for bidders posted on website shall form of bid document.
3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from **website www.tenderwizard.com/AIIMSBHOPAL or www.aiimsbhopal.edu.in** free of cost.

But the bid can only be submitted after **deposition of original EMD in the office of Executive Engineer (E) AIIMS Bhopal within the period of bid submission** and uploading the mandatory scanned documents such as Demand Draft or Pay order or Banker`s Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any scheduled Bank towards EMD in favour of **Director AIIMS Bhopal, as mentioned in NIT** and other documents as specified.

4. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
5. The intending bidder must have valid class-III digital signature to submit the bid.
6. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
7. Contractor can upload documents in the form of **JPG** format and **PDF** format.

8. Contractor must ensure to quote percentage rate on total value of work with selection of ABOVE/ BELOW/ AT PAR. The column meant for quoting percentage rate in figures appears in “Yellow Color”. In addition to this, while selecting Above/ Below / AT PAR, if the cell is left with AT PAR selection, the same shall be treated as “0” (ZERO) Percent.

However, if a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above / below on the total amount of the tender or any section / subhead in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

9. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.

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

- I. Registration/ Contractor Enlistment order of CPWD in Electrical Class as specified in the NIT.
- II. Valid Electrical Contractor License issued by MP Electricity Dept., Govt. of India.
- III. Scan Copy of Demand Draft / FDR/ Pay order or banker’s Cheque / Deposit at call receipt / Bank guarantee of any scheduled Bank against EMD.
- IV. Certificate of GST Registration and acknowledgement of up to date filed returns (if applicable).
- V. **Copy of PAN Card issued by Income Tax Department.**
- VI. **Agency details like Postal Address, Mobile No. and e-mail ID of bidder.**
- VII. Any other Document as specified in the Press Notice.
- VIII. **Undertaking for site inspection (Intending bidders must upload undertaking that they have inspected and examined the site and it’s surrounding before submitting their bids.) (As per CPWD 7 Sr. No. 11 Page 9)**

Executive Engineer (E)

Notice Inviting Tender

1. **The Executive Engineer (E)**, Project Cell, MoHFW, Block No. 10, Hospital Building, AIIMS, Saket Nagar, Bhopal (Phone 0755-2831045, 2900697 email : se@aiimsbhopal.edu.in, ee.electrical@aiimsbhopal.edu.in.) on behalf of **The Director (AIIMS) Bhopal** invites **Percentage Rate Bids** from approved & eligible bidders registered with CPWD in appropriate class & category in **Single Bid System** for the work of **“Operation and maintenance of electrical substations and UPS system at AIIMS Bhopal.”** The enlistment of the contractors should be valid on the last date of submission of bids. In case the last date of submission of bid is extended, the enlistment of contractor should be valid on the original date of submission of bids.

The work is estimated to **Estimated Cost of ₹. 71,34,440/-** This estimate, however, is given merely as a rough guide.

- 1.1 The authority competent to approve NIT for cost and belonging to the major discipline will consolidate NITs for calling the bids. He will also nominate Division which will deal with all matters relating to the invitation of bids.
- 1.2 ~~For composite bid, besides indicating the combined estimated cost put to bid, should clearly indicate the estimated cost of each component separately. The eligibility of bidders will correspond to the estimated cost of different components put to bid.~~
- 1.3 Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7 amended upto **DG/CON/302** dated **09.02.2018** which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in.
- 1.4 Bidder shall quote his rates as per various terms and conditions of the said form, which will form part of the agreement.
2. The time allowed for carrying out the work will be **12 Months**.
3. Months from the date of start as defined in schedule ‘F’ or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. (i) The site for the work is available: **Available**.

~~The drawings shall be made available in phased manner, as per requirement of the same as per approved programs of completion submitted by the contractor after award of the work.~~

5. The bid document consisting of plans, specifications, the schedule of work of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except **Standard General Conditions of Contract 2014** Form can be seen from website www.tenderwizard.com/AIIMSBHOPAL, eprocure.gov.in or www.aiimsbhopal.edu.in free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last date and time of submission of bid as notified.
7. While submitting the revised bid, contractor can revise the quoted rates but before last date and time of submission of bid as notified.
8. Earnest Money in the form of Demand Draft or Pay Order or Banker`s Cheque or Deposit at Call Receipt or Fixed Deposit Receipt of a Scheduled Bank (drawn in favour of **Director AIIMS Bhopal** shall be scanned and uploaded to the e-Tendering website within the period of bid submission.

The original EMD should be deposited in the office of Executive Engineer (E) AIIMS Bhopal inviting bids within the period of bid submission.

A part of earnest money is acceptable in the form of Bank Guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lakh, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any Scheduled Bank having validity for **120 (One Hundred Twenty) days** or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

Copy of Enlistment Order and other documents as specified in the press notice/NIT shall be scanned and uploaded to the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder only within a week physically in the office of tender opening authority.

Online bid documents submitted by intending bidders shall be opened only of those bidders, whose original EMD deposited in office of Executive Engineer (E), AIIMS Bhopal other documents scanned and uploaded are found in order.

The bid submitted shall be opened at **03.30 PM on 18/02/2019.**

The contractors registered prior to 01.04.2015 on e-tendering portal of CPWD shall have to deposit tender processing fee at existing rates or they have option to switch over to the new Registration system without tender processing fee any time.

9. The bid submitted shall become invalid and e-Tender processing fee shall not be refunded if:
 - I. The bidder is found ineligible.
 - II. The bidder does not deposit original EMD with Division office of any Executive Engineer, AIIMS Bhopal.
 - III. The bidder does not upload all the documents (including GST registration) as stipulated in the bid document including the copy of receipt for deposition of original EMD.
 - IV. If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.
 - V. **If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above / below on the total amount of the tender or any section /sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.**

10. The contractor whose bid is accepted will be required to furnish **performance guarantee of 5% (Five Percent)** of the bid amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10000/-) or Deposit at Call Receipt of any Scheduled Bank/Banker's Cheque of any Scheduled Bank/Demand Draft of any Scheduled Bank/Pay Order of any Scheduled Bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F' including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The Earnest Money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. **The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses / registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. if applicable and also ensure the compliance of aforesaid provisions by the sub-contractors, if any, engaged by the contractor for the said work and Programme Chart (Time and Progress) within the period specified in Schedule F.**

11. The description of the work is as follows:-

“Operation and maintenance of electrical substations and UPS system at AIIMS Bhopal.”

Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidder shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

12. The competent authority on behalf of the Director AIIMS Bhopal does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.
13. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
14. The competent authority on behalf of Director AIIMS Bhopal reserves to himself the right of accepting the whole or any part of the bid and the bidder shall be bound to perform the same at the rate quoted.
15. The contractor shall not be permitted to bid for works in the AIIMS Bhopal responsible for award and execution of contracts, in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any Gazetted Officer in the AIIMS Bhopal. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
16. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
17. The bid for the works shall remain open for acceptance for a period of single bid system/ **sixty (60) days** from the date of opening. If any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidder shall not be allowed to participate in the re-bidding process of the work.

18. This Notice Inviting Bid shall form a part of the contract document. The successful bidder / contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of :-
- a) The Notice Inviting Bid, all the documents including additional conditions, specifications if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence & negotiation leading thereto.
 - b) Standard C.P.W.D. Form 7 amended up to **DG/CON/302 dated 09/02/2018** or other Standard CPWD Form as applicable.
 - c) **CPWD General Condition of Contract 2014 as applicable.**
19. **For Bids**
- 20.1.1 The Executive Engineer (E) AIIMS Bhopal in Charge will call bids for the above work. The Earnest Money will be fixed with respect estimated cost put to tender.
- Part A:-** CPWD-7 including Schedule A to F of the work, Standard General Conditions of Contract for CPWD, 2014 as amended / modified up to DG/CON/302 dated 09.02.2018.
- Part B:-** Particular Specifications and Special conditions, specifications and schedule of work as applicable to the work.
- 20.1.2 After acceptance of the bid by competent authority, the Executive Engineer in-charge shall issue letter of award on behalf of the Director AIIMS Bhopal. After the work is awarded, the main contractor will have to enter into one agreement with Executive Engineer in charge.
- 20.1.2 Entire work under the scope of bid including all components shall be executed under one agreement.
- 20.1.3 Security Deposit will be worked out corresponding to the tender cost of the work.
- 20.1.4 Running payment shall be made by Executive Engineer (E), AIIMS Bhopal to the main contractor.
- 20.1.5 (a) The work shall be treated as complete when all the components of the work are complete. The completion certificate of the work shall be recorded by Engineer -in -charge.
- 20.1.5 (b) Final bill of whole work shall be finalized and paid by the E. E.(E) AIIMS Bhopal .
20. In case any discrepancy, is noticed between the documents as uploaded at the time of submission of the bid online and hard copies as submitted physically in the office of Executive Engineer, then the bid submitted shall become invalid and the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the re-tendering process of the work.
21. A new provision of Integrity Pact (IP) was introduced in **GCC-2014 vide DG/CON/302 dated 09.02.2018**. In the OM it is mentioned that at the time of submission of bid, it shall be mandatory to sign the pact by the bidder failing which the bidder will stand disqualified from the tendering process and such bid would be summarily rejected.
22. In case of e-tendering, Integrity Pact shall be treated in the same manner as other components of the bid document. In e-tendering, the intending bidder does not sign any document physically and entire bid document is submitted through digital signature. Since IP is a part of bid document no separate physical submission is required with other documents to be submitted in the office of tender opening authority. In addition to other component of bid document, the Integrity Pact along shall also be signed between Executive Engineer and successful bidder after acceptance of bid.

INTEGRITY PACT

To,

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Sub: **NIT No. 30/EE(E)/ABEU /AIIMS/BPL/2018-19**For the work of **“Operation and maintenance of electrical substations and UPS system at AIIMS Bhopal.”**

Dear Sir,

It is here by declared that AIIMS 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 AIIMS.

Yours faithfully,

Executive Engineer (E)

To,

The Executive Engineer (E),

ABEU, AIIMS Bhopal.

Sub: **NIT No. 30/EE(E)/ABEU /AIIMS/BPL/2018-19**

For the work of **“Operation and maintenance of electrical substations and UPS system at AIIMS Bhopal.”**

Dear Sir,

I / We acknowledge that AIIMS 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 CPWD. 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, AIIMS 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 / authorised to

sign the relevant contract on behalf of AIIMS Bhopal.

INTEGRITY AGREEMENT

This Integrity Agreement is made at on this day of 20

BETWEEN

Director AIIMS Bhopal represented through Executive Engineer,,

(Name of Division)

AIIMS,, (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. 30/EE(E)/ABEU/AIIMS/BPL/2018-19) (hereinafter referred to as “Tender/Bid”) and intends to

award, under laid down organizational procedure, contract for “Operation and maintenance of electrical substations and UPS system at AIIMS Bhopal.”

Hereinafter 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) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
 - 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.
 - e. The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose (with each tender as per Performa enclosed) 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.
- a. 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.
4. 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

1. 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:
- a. 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/Security Deposit:**
- a. 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 Security Deposit of the Bidder / Contractor.

- b. **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 Indian Penal code (IPC)/Prevention of Corruption Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article 4: Previous Transgression

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

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

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

Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors

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 Sub- contractors/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 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, AIIMS.

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.

5. 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** there of shall not be subject to arbitration.

Article 8- LEGAL AND PRIOR RIGHTS

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender / Contract documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

(For and on behalf of Principal/Owner)

(For and on behalf of Bidder/Contractor)

WITNESSES:

1. (Signature, name and address)

2. (Signature, name and address)

Place: -

Dated: -

निविदा (TENDER)

मैंने/हमने कार्य के लिए निविदा आमंत्रण सूचना, अनुसूची क,ख,ग,घ, ङ, और च, लागू विनिर्देश, नक्शे एवं डिजाइन, सामान्य नियम एवं निर्देश, ठेके के उपबंध, विशिष्ट शर्तें, दर अनुसूची एवं अन्य कागजात तथा ठेके की शर्तों में दिए गए नियम तथा निविदा कागजात में उल्लिखित अन्य बातों को पढ़ व जांच लिया है।

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

मैं/हम, एतद्वारा **निदेशक, अखिल भारतीय आयुर्विज्ञान संस्थान, भोपाल** के लिए अनुसूची 'च' में विनिर्दिष्ट समय के भीतर विनिर्दिष्ट कार्य, यथा-मात्राओं की अनुसूची तथा सभी संबंधित विनिर्देशों, डिजाइनों, नक्शों के अनुरूप तथा सामान्य नियमावली के नियम-1 और ठेके की शर्तों के खंड-11 में उल्लिखित लिखित अनुदेशों एवं ऐसी सामग्रियों, जो प्रदान की जाती है और उसके संबंध में, ऐसी शर्तें जो लागू हों, के अनुरूप निष्पादन हेतु निविदा देता हूँ/देते हैं।

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

I/We agree to keep the tender open for **Sixty (60) days** from the due date of opening of and not to make any modification in its terms and conditions.

₹ 1,42,689/- की धनराशि, धरोहर राशि के रूप में ट्रेजरी चालान रसीद/अनुसूचित बैंक की मांग जमा रसीद/अनुसूचित बैंक की सावधी जमा रसीद /अनुसूचित बैंक का डिमांड ड्राफ्ट/ अनुसूचित बैंक द्वारा जारी बैंक गारंटी के रूप में इसके साथ भेजी जा रही है। यदि मैं / हम निर्धारित निष्पादन गारंटी को निर्धारित समय अवधि में प्रस्तुत करने में असफल रहते हैं तो मैं/ हम यह मंजूर करते हैं कि **निदेशक, अखिल भारतीय आयुर्विज्ञान संस्थान, भोपाल** या उनके कार्यालय के उत्तराधिकारी किसी अन्य अधिकार या उपचारी उपाय पर प्रतिकूल प्रभाव डाले बिना उक्त धरोहर राशि जब्त करने के लिए पूर्णतया स्वतंत्र होंगे। इसके अलावा, यदि मैं/हम विनिर्दिष्ट कार्य प्रारंभ करने में असफल रहते हैं तो मैं/ हम यह मंजूर करते हैं कि भारत के राष्ट्रपति या उनके कार्यालय के उत्तराधिकारी कानून में उपलब्ध किसी अन्य अधिकार या उपचारी उपाय पर प्रतिकूल प्रभाव डाले बिना उक्त धरोहर राशि, तथा निष्पादन गारंटी जब्त करने के लिए पूर्णतया स्वतंत्र होंगे अन्यथा उक्त धरोहर राशि निविदा कागजात के अनुसार उसमें निहित शर्तों व निबंधनों के अनुसार कार्यों के निष्पादन एवं आदिष्ट विचलनों को अनुसूची 'च' में वर्णित प्रतिशत से अनधिक व निविदा प्रपत्र के खण्डों 12.2 व 12.3 में निहित प्रावधानों के अनुसार निश्चित की जाने वाली दरों पर उस सीमा से अधिक के विचलनों के करने के लिए उनके द्वारा प्रतिभूति-निपेक्ष के रूप में रोक ली जाएगी। इसके अतिरिक्त मैं/हम सहमत हैं कि बयाना राशि या बयाना राशि तथा उपर्युक्त निष्पादन गारंटी जब्त हो जाने के मामले में मुझे/हमें कार्य की पुनः निविदा प्रक्रिया में भाग लेने से रोक दिया जाएगा।

A sum of **₹1,42,689/-** is hereby forwarded in Cash/ Receipt Treasury Challan/ Deposit at Call Receipt of a Scheduled Bank/ Fixed Deposit Receipts of a Scheduled Bank/ Demand Draft of a Scheduled Bank/ Bank Guarantee issued by a Scheduled Bank as earnest money. A copy of the earnest money in Receipt Treasury Challan/ Deposit at Call Receipt of a Scheduled Bank/ Fixed Deposit Receipts of a Scheduled Bank/ Demand Draft of a Scheduled Bank/ Bank Guarantee issued by a Scheduled Bank is scanned and uploaded (**strike out as the case may be**). If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/we agree that the said **Director AIIMS Bhopal** or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that Director AIIMS Bhopal or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. **Further, I/we agree that in case of forfeiture of earnest money or performance guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.**

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

मैं/हम एतद्द्वारा घोषणा करते हैं कि मैं/हम निविदा कागजातों, नक्शों और कार्य से संबंधित अन्य अभिलेखों को गुप्त/गोपनीय कागजात के रूप में रखेंगे और उनसे प्राप्त/ली गई जानकारी किसी अन्य को, जिन्हें मैं/हम सूचित करने के लिए प्राधिकृत हो, से भिन्न किसी को, नहीं बताएंगे या जानकारी को किसी ऐसे रूप में प्रयोग नहीं करेंगे जो राज्य की सुरक्षा के लिए प्रतिकूल हो।

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

तारीख Dated #.....

ठेकेदार के हस्ताक्षर Signature of Contractor#

डाक का पता Postal Address#

साक्षी Witness : #

पता Address: #

उपजीविका Occupation : #
applicable

To be filled in by the contractor/witness as

स्वीकृति ACCEPTANCE

मैं निदेशक, अखिल भारतीय आयुर्विज्ञान संस्थान, भोपाल की ओर से तथा उनके लिए ₹
.. (रूपए ') की राशि के लिए उपर्युक्त निविदा (अधोलिखित पत्रों के अनुसार परिवर्तित) स्वीकार करता हूँ।

The above tender (as modified vide letters mentioned hereunder) is accepted by me for and on behalf of the Director AIIMS Bhopal for a sum of ₹. _____
Rupees _____)

नीचे दिए गए पत्र इस ठेका करार का हिस्सा होंगे।

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

a)

b)

c)

भोपाल की ओर से तथा उनके लिए

निदेशक, अखिल भारतीय आयुर्विज्ञान संस्थान,

For & on behalf of the Director AIIMS Bhopal

हस्ताक्षर Signature

तारीख Dated

पदनाम Designation

अनुसूचियां SCHEDULES**अनुसूची 'क' SCHEDULE 'A'**

मात्राओं की अनुसूची (संलग्न)

Schedule of quantities (Enclosed) Page No. 43 to 44

अनुसूची 'ख' SCHEDULE 'B'

ठेकेदार की निर्गत की जाने वाली सामग्रियों की अनुसूची

Schedule of materials to be issued to the contractor.

क्रम. सं. S.No.	मद विवरण Description of item	मात्रा Quantity	जिस दर पर सामग्रियां ठेकेदार को प्रभारित होगी वह दर अंकों एवं शब्दों में Rates in figures & words at which the material will be charged to the contractor	निर्गत स्थान Place of Issue
1	2	3	4	5

----- NIL -----

अनुसूची 'ग' SCHEDULE 'C'

ठेकेदार को भाड़े पर दिए जाने वाले औजार एवं संयंत्र

Tools and plants to be hired to the contractor

क्रम सं. Sl. No.	विवरण Description	भाड़ा प्रभार प्रतिदिन Hire charges per day	निर्गत स्थान Place of Issue
1	2	3	4

NIL

<p>अनुसूची 'घ' SCHEDULE 'D' कार्य के लिए विशेष अपेक्षाएं/ दस्तावेज, यदि कोई हों, की अतिरिक्त अनुसूची Extra schedule for specific requirements/documents for the work, if any.</p>	<p>As enclosed</p>
<p>अनुसूची (ड) SCHEDULE 'E' ढके की सामान्य शर्तों का संदर्भ</p>	
<p>1. Reference to General Conditions of contract</p>	<p>General Conditions of Contract 2014 CPWD Works, 2014 as amended upto DG/CON/302 dated 09.02.2018</p>
<p>कार्य का नाम Name of work :</p>	<p>Operation and maintenance of electrical substations and UPS system at AIIMS Bhopal.</p>
<p>कार्य की अनुमानित लागत Estimated cost of work :</p>	<p>₹ 71,34,440/-</p>
<p>(i) धरोहर राशि Earnest money: Guarantee)</p>	<p>₹ 1,42,689/- (To be returned after receiving Performance</p>
<p>(ii) निष्पादन गारंटी Performance guarantee :</p>	<p>5% of tendered value. निविदित मूल्य का 5 प्रतिशत</p>
<p>(iii) प्रतिभूति निक्षेप: Security Deposit:</p>	<p>2.5% of tendered Value</p>
<p>अनुसूची 'च' SCHEDULE 'F' सामान्य नियम एवं दिशानिर्देश: General Rules & Directions: निविदा आमंत्रण करने वाला प्राधिकारी Officer inviting tender - कार्य की मर्दों की मात्रा के लिए अधिकतम प्रतिशत जिससे अधिक निष्पादित मर्दों के लिए दरों का निर्धारण खण्ड 12.2 और 12.3 के अनुसार होगा 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.</p>	
<p>2(v) भारसाधक इंजीनियर Engineer-in-Charge</p>	<p>Executive Engineer (E), ABEU AIIMS निम्नानुसार see below</p>
<p>2(viii) स्वीकार कर्ता प्राधिकारी Accepting Authority</p>	<p>Executive Engineer (E), ABEU AIIMS Bhopal Superintending Engineer, AIIMS Bhopal</p>
<p>2(x) अतिरिक्त और लाभों को पूरा करने के लिए श्रम एवं सामग्रियों की लागत पर प्रतिशतता Percentage on cost of materials and labour to cover all overheads and profits.</p>	<p>15% (Fifteen per cent)</p>
<p>2(xi) दरों की मानक अनुसूची Standard schedule of Rates</p>	<p>Delhi Schedule of rate 2016 with correction slips issued up to date of receipt of tender.</p>
<p>(xii) विभाग Department</p>	<p>ABEU AIIMS Bhopal</p>
<p>9(ii) मानक के.लो.नि.वि. ढेका फार्म Standard CPWD contract Form</p>	<p>CPWD Form 7 (Print edition -2014) as modified & corrected up to DG/CON/ 302 dated 09/02/2018</p>

खण्ड Clause 1

- (i) स्वीकृति पत्र जारी होने की तारीख से निष्पादन गारंटी के प्रस्तुतीकरण के लिए अनुमत समय
Time allowed for submission of performance guarantee from the date of issue of letter of acceptance : 7 days
- (ii) (उपर्युक्त i) में दी गई अवधि के पश्चात् अधिकतम अनुमय एक्सटेंशन
Maximum allowable extension with late fee @ 0.10% per day of performance guarantee amount beyond the period as provided in (i) above : 7 days

खण्ड Clause 2

खण्ड 2 के तहत प्रतिकार निश्चित करने वाला प्राधिकारी
Authority for fixing Compensation under clause 2 **Superintending Engineer (E), AIIMS**

खण्ड Clause 2A

क्या खण्ड 2 क लागू होगा
Whether clause 2A shall be applicable **YES**

खण्ड Clause 5

कार्य आरंभ की तारीख की गणना के लिए स्वीकृति पत्र के जारी होने की तारीख से दिनों की संख्या
No. of days from the date of issue of letter of acceptance for reckoning date of start **14 days**

लक्ष्य (मील-पत्थर) सारणी Table of milestone(s)

Sl. No.	Description of Mile stone (Financial)	Time allowed in Months (From date of start) for achieving milestone	Amount to be withheld in case of Non-achievement of each mile stone
		-NIL-	

खण्ड Clause 5.2

Nature of Hindrance Register (either Physical or Electronic) **Physical**
कार्य निष्पादित करने के लिए अनुमत्य समय

- Time allowed for execution of work Authority to decide **12 Months**
- (i) Extension of Time **Executive Engineer (E), ABEU AIIMS Bhopal**
 - (ii) Rescheduling of mile stones **Executive Engineer (E), ABEU AIIMS Bhopal**
 - (iii) Shifting of date of start in case of delay in handing over of site **Executive Engineer (E), ABEU AIIMS Bhopal**

खण्ड Clause 6, 6A

खंड लागू-(6 या 6 क) Clause applicable **6 A**

खण्ड Clause 7

अंतरिम भुगतान के लिए पात्र होने के लिए अंतिम ऐसे भुगतान के बाद कुल भुगतान एकत्रित सामग्रियों के अग्रिमों के समायोजन सहित किया जाने वाला कुल कार्य
Gross work to be done together with net Payment/adjustment of advances for Material collected, if any since the last such payment for being eligible to interim Payment **Rs. 6.00 Lakhs**

खण्ड 10 क Clause10A

कार्यस्थल प्रयोगशाला में टेकेदार द्वारा उपलब्ध कराये जाने परीक्षण उपकरण की सूची
List of testing equipment to be provided by the Contractor at site lab. **As Per site requirements and as per Direction of Engineer-in-charge**

CORRECTION	NIL	INSERTION	NIL
CUTTING	NIL	OVERWRITING	NIL

खण्ड Clause10B(ii)

क्या खण्ड 10 ख (ii) लागू होगा

Whether clause 10B (ii) shall be applicable **No**

खण्ड Clause10C

Component of labour expressed as **85% (Yes)**
Percent of value of work

खण्ड Clause10CA

Material covered under this clause	Nearest materials (Other than cement, reinforcement bars and structural steel) for which All India Whole Sale Price Index is to be followed.	Base Price of all materials covered under clause 10 CA *
1 Cement	NA	NA
2 Steel reinforcement	NA	NA
3 Structural steel	NA	NA

खण्ड Clause10CC

खण्ड 10 गग उन संविदाओं पर लागू होगा जिसमें कार्य समापन की अवधि, अगले कालम में दर्शाई गई अवधि से अधिक अनुबंधित है।

Clause 10CC to be applicable in contracts with stipulated period of compensation exceeding the period shown in next column : **Not applicable**

खण्ड Clause 11

कार्य निष्पादन के लिए अनुपालन

Specifications to be followed for execution of work

CPWD specification 2009 Vol. I & II with up to date correction slips for civil works.

खण्ड Clause 12 कार्य का प्रकार Type of Work

12.2 & 12.3

विचलन सीमा जिसके परे खण्ड 12.2 तथा 12.3 भवन निर्माण कार्य के लिए लागू होंगे

Deviation limit beyond which clauses 12.2 & 12.3 shall apply for building work (Other than foundation) : **30%**

12.5

वह विचलन सीमा जिसके परे खण्ड 12.2 तथा 12.3 नींव कार्य के लिए लागू होंगे

Deviation limit beyond which clauses 12.2 & 12.3 shall apply for foundation work : **100%**

खण्ड Clause 16

घटी हुई दरे निर्धारित करने की लिए सक्षम प्राधिकारी
Competent Authority for deciding reduced rates.

S.E. AIIMS Bhopal

खण्ड Clause 18

कार्यस्थल पर ठेकेदार द्वारा लगाये जाने वाली अनिवार्य मशीनरी औजार एवं सयंत्रों की सूची :-

List of mandatory machines, tools and plants to be deployed by the contractor at site. **As required by Engineer in charge And as per site requirement.**

खण्ड Clause 25

YES

For Total Claim upto Rs. 25 Lakhs

Designation	Constitution of Dispute Redressal Committee (DRC)
Chairman	Dy. Director AIIMS Bhopal
Member	F.A AIIMS Bhopal
Member	Superintending Engineer AIIMS Bhopal
Presenting Officer	Executive Engineer, AIIMS Bhopal

For Total Claim above Rs. 25 Lakhs

Designation	Constitution of Dispute Redressal Committee (DRC)
Chairman	Director AIIMS Bhopal
Member Secretary	Dy. Director AIIMS Bhopal
Member	F.A AIIMS Bhopal
Presenting Officer	Superintending Engineer AIIMS Bhopal

खण्ड Clause 31

Whether clause 31 shall be applicable

Yes

खण्ड Clause 36(i)

NA

S.NO	Requirement of Technical staff	Minimum experience (Years)	Designation of Technical staff	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 36(i)
1	2	3	4	5
1	Graduate or Diploma Engineer	2 Years Or 5 Years (respectively)	Principle Technical Representative or Project Planning/ Quality/ Site/ Billing Engineer	Rs. 15000/- P.M.

अनुमत्य विचलन से अधिक की मात्राओं के लिए वसूली दरें
RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

क्रम सं. No.	मद विवरण Description of item	अंको और शब्दों में वह दर जिस पर ठेकेदार से वसूली की जाएगी Rates in figures and words at which recovery shall be made from the Contractor
		अनुमत्य विचलन से अधिक आधिक्य Excess beyond permissible variation
		अनुमत्य विचलन से अधिक उपयोग घटाया Less use beyond the permissible variation

- 1.
- 2.

BLANK

FORM OF EARNEST MONEY DEPOSIT (BANK GUARANTEE BOND)

WHEREAS, contractor (Name of contractor) (hereinafter called "the contractor") has submitted his tender dated (date) for the construction of (name of work) (hereinafter called "the Tender")

KNOW ALL PEOPLE by these presents that we (name of bank) having our registered office at (hereinafter called "the Bank") are bound unto (Name and division of Executive Engineer) (hereinafter called "the Engineer-in-Charge") in the sum of Rs. (Rs. in words) for which payment well and truly to be made to the said Engineer-in-Charge the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this day of 20...

THE CONDITIONS of this obligation are:

- (1) If after tender opening the Contractor withdraws, his tender during the period of validity of tender (including extended validity of tender) specified in the Form of Tender;
- (2) If the contractor having been notified of the acceptance of his tender by the Engineer-in-Charge:
 - (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to contractor, if required; OR
 - (b) fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of tender document and Instructions to contractor.

We undertake to pay to the Engineer-in-Charge either up to the above amount or part thereof upon receipt of first written demand, without the Engineer-in-Charge having to substantiate his demand, provided that in his demand the Engineer-in-Charge will note that the amount claimed by him is due to him owing to the occurrence of one or any of the above conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date.* after the deadline for submission of tender as such deadline is stated in the Instructions to contractor or as it may be extended by the Engineer-in-Charge, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE

SIGNATURE OF THE BANK

WITNESS

SEAL

(SIGNATURE, NAME AND ADDRESS)

*Date to be worked out on the basis of validity period of **120** days for Single Bid System from last date of receipt of tender.

BLANK

Form of Performance guarantee / Bank guarantee bond

[Reference para 21.1.(1)(V)]

In consideration of the **Director AIIMS Bhopal** (hereinafter called "The Government") having offered to accept the terms and conditions of the proposed agreement between.....and (Hereinafter called "the said Contractor(s)") for the work..... (Hereinafter called "the said agreement") having agreed to production of an irrevocable Bank Guarantee for Rs..... (Rupees..... only) as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We, (Hereinafter referred to as "the Bank") hereby undertake to pay to the Government an amount not exceeding Rs..... (Rupees..... Only) on demand by the Government.
2. We,(indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demure, merely on a demand from the Government stating that the amount claimed as required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. (Rupees only)
3. We, the said bank further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) 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 bond shall be a valid discharge of our liability for payment there under and the Contractor(s) shall have no claim against us for making such payment.
4. We, (indicate the name of the 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 Government under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-in- Charge on behalf of the Government certified 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.
5. We, (indicate the name of the Bank) further agree with the Government that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor(s) 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(s) or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).
7. We, (Indicate the name of the Bank) lastly undertake not to revoke this guarantee except with the previous consent of the Government in writing.
8. This guarantee shall be valid up tounless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. (Rupees) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

*Dated theday offor.....(indicate the name of the Bank

CORRECTION	NIL	INSERTION	NIL
CUTTING	NIL	OVERWRITING	NIL

AE(P)

EE(P)

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ADDITIONAL TERMS & CONDITIONS FOR ELECTRICAL WORKS

Name of work:- Operation and maintenance of Electrical substation and UPS systems at AIIMS Bhopal.

GENERAL/TECHNICAL

- The maintenance of work shall be done as per rules and specification of CPWD and as per I.E. Rules & Acts, amended up to date.
- Contractor shall employ following suitable qualified /experienced technical Staff as under for operation and maintenance for the works as above on all days i/c Sunday & All types of Holidays.

2.1 For MRSS Sub Station 33/11 KV

Sr. No.	Staff	Shift	Timing	Person	Duty Hrs.
1.	Electrician	Morning Shift	06 AM to 02 PM	1 No.	8 hrs. x 365 Days
		Evening Shift	02 PM to 10 PM	1 No.	8 hrs. x 365 Days
		Night Shift	10 PM to 06 AM	1 No.	8 hrs. x 365 Days
2.	Khallasi	General Shift	09 AM to 06 PM	1 No.	8 hrs. x 365 Days

2.2 Service Substation 11KV/ .415KV

Sr. No.	Staff	Shift	Timing	Person	Duty Hrs.
1.	Wireman	Morning Shift	06 AM to 02 PM	1 No.	8 hrs. x 365 Days
		Evening Shift	02 PM to 10 PM	1 No.	8 hrs. x 365 Days
		Night Shift	10 PM to 06 AM	1 No.	8 hrs. x 365 Days
2.	Khallasi	General Shift	09 AM to 06 PM	1 No.	8 hrs. x 365 Days

2.3 Library Substation 11KV/ .415KV

Sr. No.	Staff	Shift	Timing	Person	Duty Hrs.
1.	Wireman	Morning Shift	06 AM to 02 PM	1 No.	8 hrs. x 365 Days
		Evening Shift	02 PM to 10 PM	1 No.	8 hrs. x 365 Days
		Night Shift	10 PM to 06 AM	1 No.	8 hrs. x 365 Days
2.	Khallasi	General Shift	09 AM to 06 PM	1 No.	8 hrs. x 365 Days

2.4 Housing Substation 33/11KV & 11KV/.415KV Hostel Substation

Sr. No.	Staff	Shift	Timing	Person	Duty Hrs.
1.	Wireman	Morning Shift	06 AM to 02 PM	1 No.	8 hrs. x 365 Days
		Evening Shift	02 PM to 10 PM	1 No.	8 hrs. x 365 Days
		Night Shift	10 PM to 06 AM	1 No.	8 hrs. x 365 Days
2.	Khallasi	General Shift	09 AM to 06 PM	1 No.	8 hrs. x 365 Days

Supervisor

Sr. No.	Staff	Shift	Timing	Person	Duty Hrs.
1.	Supervisor	Morning Shift	06 AM to 02 PM	1 No.	8 hrs. x 365 Days
		Evening Shift	02 PM to 10 PM	1 No.	8 hrs. x 365 Days
		Night Shift	10 PM to 06 AM	1 No.	8 hrs. x 365 Days

Note: Khallasi will assist for all services to Electrician and wireman or as per direction of Engineer-in-charge in case of emergency of all services and will help each other.

- The firm will have to inform the name and qualification of the workers to be employed on different shifts to the Engineer-in-charge or his authorized representative. The Supervisor should have at least 3 years' experience in the line. The wireman should have one year experience in the line and shall possess wireman grade-II license.

4. Khallasi should be physically fit. He will assist the technical staff during maintenance, preventive maintenance and also carry out routine cleaning of all equipment.
5. Contractor shall also depute expert Engineer along with other technical staff for preventive check of all the equipment /installation once in a month regularly and also when required by the Engineer-in-charge.
6. Whenever the contractor's staff is not available not attend the duty, recovery shall be made as under:-
 - a. Supervisor @1000/- Per Shift
 - b. Electrician/ Wireman @800/- Per shift
 - c. Khallasi @500/- Per shift
7. Payment shall be made monthly/quarterly basis, subject to availability of budget/LOC. However, payment to staff shall be made regularly as per labour laws by cheque/ECS only.
8. The operator on duty must be in clean uniform, ID Card & badges. Nothing extra will be paid on account of uniform. In case the operator is found without uniform, the recovery @ 100/- per person per day will be made from the bill.
9. The department shall have liberty to cancel/stop the work at any time without assigning any reason and also if the performance is found unsatisfactory, in the opinion of the Engineer-in-charge.
10. It includes periodical, checking & testing of all installations to keep ready for safe operation at all the time.
11. The contractor shall arrange his own T & P etc. He will also arrange petty material like old dhoti, soap, duster, lubricant, gland dori, log books & register as required for which nothing extra shall be paid.
12. Suitable log book for operation, testing and register for preventive maintenance carried out as per manufactures recommendation shall be maintained at site by the contractor and shown to Assistant Engineer(E) in-charge of site fortnightly.
13. In case, the contractor stops the work in between or his work is discontinued due to unsatisfactory performance, the security deposit shall be forfeited by the department and other legal action may be taken by the deptt. as deemed feet under contract rule.
14. No worker shall be employed for more than 8 hours, the firm/contractor shall maintain wage record and he should not pay wage less than the minimum wages as prescribed/amended by the labour Department/Govt. from time to time.
15. The contract provide for maintenance, preventive maintenance servicing testing/ operation of above equipment, up keep of log book and also minor repair both electrical and mechanical. The spares to be supplied by the department for minor repair free of cost at site, the contractor shall keep record of all such material issued to his representative and dismantle material shall be returned to the department after repairs.
16. The contractor shall intimate immediately without loss of time to site Engineer for occurrence of such faults and in the writing to Engineer-in-charge.
17. The contractor /firm are strongly advised to visit the site for work before quoting the rates, in order to ascertain the quantum and location of works.
18. Providing 1 No. mobile phone to maintenance staff at each site and intimated the cell numbers to related client and CPWD officers immediately after award of work i/c transportation for moving in the campus.

19. Contractor shall have to arrange full demonstration drill of installations to ensure the perfect working of installation once in a month with prior intimation of date of demonstration in presence of Engineer in charge and a certificate in this respect shall be submitted regularly.
20. The staff to be deployed for the work shall be agency's employees only for all purpose & the agency shall be responsible for payment of their wages & all fringe benefits as per labour laws. The staff shall not have any claim of any sort on the department at any time and cannot claim to be the department's employee at any stage & shall have no right of job in the department.
21. In case of accident the contractor shall be responsible for any compensation to his workers deputed on the work by him no claim shall be entertained by the department.
22. Round the clock i/c watch and ward of the equipment shall be the contractor's responsibility and any loss or damage to the equipment shall have to be made good/repaired/replaced as per the original standards/specification of the department, by the contractor at his own cost and nothing extra shall be paid by the department.
23. The worker deputed on the work by the contractor should be well behaved if he misbehaves during the work on the site legal action will be taken by the department.
24. Labour welfare cess at @1% and other statutory deductions will be deducted from the bills payable to the firm in addition to income tax.
25. The firm will have to handover the system completely in working order to the other firm at the time of expiry of contract. Inventories of system and installations shall be prepared and signed by both the firm. Any discrepancy will be found at that time, suitable recoveries will be made from contractor bill. The decision of Engineer-in-charge will be final & binding.
26. Labour laws will be applicable as per GCC-2014 clause – 19. Record of wages, ESI and EPF paid/ deposited shall be submitted with each bill.

RATE

1. The rates quoted by the Contractor are deemed to be inclusive of site clearance, setting out work, profile, setting lay out on ground, establishment of reference bench mark(s), installing various signage, taking spot levels, survey with total station, construction of all safety and protection devices, compulsory use of helmet and safety shoes, and other appropriate safety gadgets by workers, imparting continuous training for all the workers, barriers, preparatory works, construction of clean, hygienic and well ventilated workers housings in sufficient numbers as per drawing supplied by Engineer in charge, working during monsoon or odd season, working beyond normal hours, working at all depths, height, lead, lift, levels and location etc. and any other unforeseen but essential incidental works required to complete this work. Nothing extra shall be payable on this account and no extension of time for completion of work shall be granted on these accounts
2. The rates quoted by the tenderer, shall be firm and inclusive of all taxes and levies. (GST) no extra shall be paid on this account.
- 2.2.1 **Contractor has to be submit the GST compliant Bill showing work done and GST component separately.**
3. No foreign exchange shall be made available by the Department for importing (purchase) of equipment, plants, machinery, materials of any kind or any other items required to be carried out during execution of the work. No delay and no claim of any kind shall be entertained from the Contractor, on account of variation in the foreign exchange rate.

Signature of Contractor**ANNEXURE-II****DETAILS OF EQUIPMENT****MRSS SUBSTATION**

- 6MVA 33/11KV TRANSFORMER – 3Nos
- 33KV HT Panel-1Nos(2Nos 33Kv I/C & 3Nos 33Kv O/G)
- 11KV HT Panel-1Nos(3Nos 11Kv I/C,2Nos Bus Coupler,5Nos 11Kv O/G)
- RTCC Panel-2Nos
- Battery Charger Panel-1Nos
- 9 Pole structure (Isolator Switch, D.O, L.A.)

SERVICE SUBSTATION

- 2.5MVA 11/.433Kv Transformer- 4Nos
- 11KV HT Panel-1Nos(3Nos 11Kv I/C,4Nos 11Kv O/G &2Nos Bus coupler)
- Main LT Panel-1Nos(4Nos I/C,30Nos O/G & 6Nos Bus coupler)
- Emergency Panel-1Nos(5Nos I/C,21Nos O/G & 4Nos Bus coupler)
- Capacitor Panel-2NosX800kvar
- Battery Charger -2Nos

COLLAGE SUBSTATION

- 1.5MVA 11/.433Kv Transformer- 2Nos
- 11KV HT Panel-1Nos(1Nos 11Kv I/C,2Nos 11Kv O/G &1Nos Ring man)
- Main LT Panel-1Nos(2Nos I/C,11Nos O/G & 1Nos Bus coupler)
- Emergency Panel-1Nos(2Nos I/C,10Nos O/G & 1Nos Bus coupler)
- Capacitor Panel-2NosX475kvar
- Battery Charger -1Nos

HOSTEL SUBSTATION

- 1 MVA 11/.433Kv Transformer- 2Nos
- 11KV HT Panel-1Nos(1Nos 11Kv I/C,2Nos 11Kv O/G &1Nos Ring man)
- Main LT Panel-1Nos(2Nos I/C,11Nos O/G & 1Nos Bus coupler)
- Emergency Panel-1Nos(1Nos I/C,11Nos O/G)
- Capacitor Panel-2NosX300kvar
- Battery Charger -1Nos

HOUSING SUBSTATION

- 1.5MVA 33/11KV Transformer- 1Nos
- 750KVA 11/.433KV Transformer- 2Nos
- 33KV HT Panel-1Nos(1Nos 33Kv I/C & 2Nos 33Kv O/G)
- 11KV HT Panel-1Nos(2Nos 11Kv I/C,2Nos 11Kv O/G &1Nos Bus coupler)
- Main LT Panel-1Nos(2Nos I/C,13Nos O/G)
- Emergency Panel-1Nos(1Nos I/C,4Nos O/G)
- Capacitor Panel-1Nos 225kvar
- Battery Charger -1Nos
- RTCC Panel-1Nos
- 4 Pole structure (A.B Switch, D.O, L.A.)

CORRECTION	NIL	INSERTION	NIL
CUTTING	NIL	OVERWRITING	NIL

AE(P)

EE(P)

SPECIAL CONDITIONS (SCOPE OF WORK)

1. The installation shall be maintained in the existing original condition/position. The contractor shall be solely responsible for maintenance and upkeep of the equipment's in good conditions.
2. The supplying and topping up of transformer oil as and when required, filtration and centrifuging of oil once in a year and with required quantity of material for maintenance such as tools & instruments, CTC, cloth, sand paper, nut and bolts with washer (S.S.), petroleum jelly, lubricating oil greases, HRC fuses for control supply & indication lamps shall also be covered in scope of work.
3. The preventive maintenance schedule shall be prepared and submitted in advance. The necessary shutdown may be taken with prior permission of the Engineer – in - charge.
4. Performa for weekly, quarterly & yearly checking should be filled up after doing preventive maintenance of equipment's. The maintenance records shall be checked & verified by the competitive authority. (One set of Weekly, quarterly, half yearly and yearly maintenance & repair chart/ Performa shall be provided by dept.)
5. A suitable complete shutdown shall be given once in a year for preventive maintenance of the complete system. All the equipments should be thoroughly checked & maintained for proper functioning/operations of the equipment. All major structures, cable supports and steel frames shall be painted once in a year with approved colour.
6. Complete transformer yard and switch room should be kept clean done and grass roots should be removed.
7. All the types of minor repairing works will be carried out by the agency on his own cost for which spares(if any) will be provided by the department free of cost.
8. The payment against maintenance during the contract period shall be made against monthly/ quarterly running bills of the accepted amount for AMC subject to satisfactory maintenance of the installation and submission of all formats such as weekly, monthly, quarterly & yearly as provided by the Engineer-in-charge duly filled and accepted by JE/AEE of the work.
9. Testing, calibrating & setting of all the relays, kWh meters installed at different substations has to be done ones in year and report has to be submitted by the contactor in the office of JE/AE of the work.
10. The adequate team of manpower shall be available at site as per quantum of the work.
11. H.S.D. Oil, Water and Electricity for operation / maintenance will be arranged by the department and storage arrangement / carry of HSD oil from filling station to site is including in scope of work.
12. Though the proposal has been made for recovery from the bill of the contractor in case of absence from duty and non wearing the uniform and shoes by the workers deployed, but the contractor has to see that, immediately necessary substitute to be deployed in a pre-planned manner. Also contractor has to pay necessary dues to the persons deployed immediately after completion of one month period. The contractor has to submit the task book wherein the record of day-to-day operation and maintenance activities as required shall be reflected. Non-compliance of these all shall be treated as unsatisfactory performance and thereby the contract shall be cancelled and contractor shall not be allowed further to purchase and participate in tendering process.
13. Liaisoning work with local Electricity board and Client for arranging shutdown of HT / LT lines for any repair work will be the responsibility of the contractor without any extra cost.
14. The contractor is bound to distribute the salary/wages to the staff deployed by 5th of each month, positively, the contractor shall make the payment of wages to the staff deployed at work in their bank account through cheque or draft or e-transaction and will submit the evidence of such transaction like

CORRECTION	NIL	INSERTION	NIL	
CUTTING	NIL	OVERWRITING	NIL	AE(P) EE(P)

photocopy of bank passbook / Account statement of staff etc. to the department at every month to insure the payment of wages.

15. The employees for the contractor shall be of good character and of sound. The service provider shall ensure proper conduct of its personnel in office premises, and enforce prohibition of consumption of alcoholic drinks / durgs, shewing of pan / Gutka, smoking, using speakers for listening to music and loitering without any work. The workers should not be below the age of 18 years.
16. The contractor shall keep himself fully informed of all acts and laws of the Central and state Government, all order, decrees of statutory bodies, tribunals having jurisdiction or authority, which in any manner may affect their engaged or employed staff and anything related to carry out the work. All the rules & regulations and bye-laws laid down by the local bodies and any other statutory bodies shall be adhered to, by the contractor, during the execution of work.
17. The agency is supposed to work on job contract basis and as such there will not be any separate payment for working on Saturdays, Sundays or other gazetted / antional holidays etc. and the same is to be included in the monthly charge claim in the tenders by the Contractor.
18. In case of any fault in the installation covered under this work requiring immediate rectification of the same to put the installation in running condition, the firm have to rectify the fault and if any material is required in doing so, shall also arrange the same within a reasonable time however cost of the material so required shall be paid an extra basis to the firm. The decision of Engineer – in – charge shall be final in this regard.

Execurtive Engineer (E)
AIIMS Bhopal

Signature of Contractor

CORRECTION	NIL	INSERTION	NIL	
CUTTING	NIL	OVERWRITING	NIL	AE(P) EE(P)

MAINTENANCE SCHEDULE

The following works/ checks are required to be performed on monthly / quarterly / half yearly basis and record all the activities in the log book with date and time which shall be counter signed by the Assistant Engineer (E)/ Competent authority of Project Cell, AIIMS Bhopal:

WEEKLY CHECKING**1. Transformers :**

For oil cooled transformer : Checking of oil level (topping if reqd.), oil leakage, colour of silica gel (Breather) (heating if reqd.), Vent diaphragm, Tap position of transformer, neutral earthing connections up to earth pit etc.

2. HT Panels:

To be checked, indicating lamps, Ammeter, voltmeter along with selector switches earthing connection of panels, cleaning of external panel, these should be closed properly and no space be left which may allow the lizard or insects to enter.

3. Capacitor panels:

To be checked, indicating lamps, KWH meter, Ammeter, Voltmeter along with selector switches, earthing connection of panels, cleaning of external panel, these should be closed properly and no space should be left which may allow the lizard or insects to enter, visual inspection of contactors, SFU/ FSU, exhaust fan & APFC relay for any abnormality.

4. LT panels:

To be checked, indicating lamps, Ammeter, Voltmeter along with selector switches, earthing connection of panels, cleaning of external panel, these should be closed properly and no space should be left which may allow the lizard or insects to enter, visual inspection of ACBs, MCCb' s SFU/ FSU, all relays fo r any abnormality.

QUARTERLY CHECKING**1. OIL TYPE TRANSFORMERS :**

- HT and LT Bushing: Open cable box LT side and examine cracks, oil leakage etc. terminal tighten nut & bolts and clean if required.
- Silica gel: Check condition of silica gel and replace if required, replace cup' s oil.
- Pressure relay : To be checked mechanical indication and operating mechanism.
- Earth resistance of neutral earthing: Record value of resistance dry & wet condition of earth pit.
- Breakdown test of transformer oil :
 - a) BDV with 2.5mm gap.
 - i) Top sample. kV
 - ii) Bottom sample. kV
 - iii) OTIC sample. kV
 - b) BDV with 4mm gap (for with stand) One minute/ For Breakdown
 - i) Top sample KV kV
 - ii) Bottom sample KV kV
- Magnetic oil level gauge Buchholze relay. : Checks its operation, control circuit and repair if required.
- IR value: Checks its operation, control circuit and repair if required.

2. HT PANELS:

- Internal & external cleaning of panel.
- Tightening of main connection bus bard and cable connection (outgoing)
- Checking interlocking system (if required)
- Oiling, greasing of operating mechanism.
- Auxiliary contacts, indicating devices, voltmeter, ammeter, KWH meter and selector switch etc. check and repair/replace if required.
- Instrument & potential transformer to be checked.
- To check setting the relay time and contacts of relay of each breaker and record.
- Servicing of breakers.
- Checking of panels heater and thermostats.

3. CAPACITOR BANK PANEL

- Internal & external cleaning of panel.
- Tightening of connection busbar and cable connection (outgoing)
- Checking of APFC relay for proper functioning.
- Auxiliary contacts, indicating devices, voltmeter, ammeter, and selector switch etc. check and repair/ replace if required.
- Instrument & current transformer to be checked.
- Checking of contactors and SFU/ FSU/ MCCB.

4. LT PANELS

- Internal & external cleaning of panel.
- Tightening of connection busbar and cable connection (outgoing)
- Checking of interlocking system (if required)
- Oiling, greasing of operating mechanism.
- Auxiliary contacts, indicating devices, voltmeter, ammeter, and selector switch etc. check and repair/replace if required.
- Instrument & potential transformer to be checked.
- To check setting the relay time and contacts of relay of each breaker and record.
- Servicing of breakers.

HALF YEARLY CHECKING**1. OIL TYPE TRANSFORMER**

- HT and LT Bushing:- To open cable box and examine cracks in bushing. Tighten bolts if reqd., measure IR value with 10,000 Volts megger.
- Silica gel:- Replacement of silica gel and cup oil.
- Pressure relay:- To check the mechanical indication and operating mechanism.
- (Earth resistance of neutral earthing:- Record value of resistance dry & wet condition of earth pit.
- Break down test of transformer oil:- BDV with 2.5mm gap
- Top sample kV
- Bottom sample kV
- Cooling fan.- To check cooling fan operation (manual / auto) and all accessories (i.e. contacts, controlling circuit etc. remove fault or repair / replace damaged parts if required.
- Buchholze relay, magnetic oil gauge: - Check its operation, control circuit and repair replace as required.
- IR value.

2. HT PANEL:

- Internal & external cleaning of panel.
- Tightening of main connection bus bar and cable connections
- Checking of interlocking system.
- Oiling greasing of operating mechanism
- Auxiliary contacts, indicating devices, voltmeter, ammeter, and selector switch etc. check and repair/replace if required.
- Instrument & potential transformer to be checked.
- To checking setting/ calibrating the relay time and contacts of relay of each breaker and record.

3. CAPACITOR BANK PANEL :

- Internal & external cleaning of panel.
- Tightening of connection busbar and cable connection
- Checking of APFC relay for their function.
- Auxiliary contacts, indicating devices, voltmeter, ammeter, and selector switch etc. check and repair/replace if required.
- Instrument & potential transformer to be checked.
- Cleaning of main and auxiliary contact of contactors and overhauling of exhaust fans.

4. LT PANEL (0.433KV SWITCHGEAR) :

- Internal & external cleaning of panel
- Tightening of connection busbar and cable connection
- Checking of interlocking system
- Oiling and greasing of operating mechanism.
- Auxiliary contacts, indicating devices, voltmeter, ammeter, and selector switch etc. check and repair/ replace if required.
- Instrument & current transformer to be checked.
- To check setting the relay time and contacts of relay of each breaker and record.

YEARLY CHECKING**1. OIL COOLED TRANSFORMER :**

- **HT and LT Bushing:-** To open cable box and examine cracks in bushing. Tighten bolts if reqd., measure IR value with 10,000 Volts megger.
- **Silica gel:-** Replacement of silica gel and cup oil.
- **Pressure relay:-** To check the mechanical indication and operating mechanism.
- **Earth resistance of neutral earthing:-** Record value of resistance dry & wet condition of earth pit.
- **Break down test of transformer oil:-** BDV with 2.5mm gap
 - Top sample kV
 - Bottom sample. kV
- **Buchholze relay magnetic oil gauge:-** Check its operation, control circuit and repair/replace as required.
- **Centrifuging of transformer oil and check acidity:** Sludge and submit test report.
 - B.D.V. 4mm gap for 1 minute 3 sample.
 - B.D.V 2.5mm gap for breakdown 3 sample
 - Sludge/Acidity value.
 - IR Value

2. HT PANEL:

- Servicing of SF6/VCB 36 k v breaker.
- Operation checking of breaker.
- Control circuit and its accessories i.e aux Contactors, connection, coils etc). repair/replace if required.
- Check gas pressure and record heating system and its operation to be checked.
- Cleaning of circuit

3. CAPACITOR BANK PANEL :

- Cleaning of panel internal & external.
- Checking of APFC relay for their function.
- Auxiliary contacts, indicating devices, voltmeter, ammeter, and selector switch etc. check and repair/ replace if required.
- Servicing of contactors, FSU/SFU.
- Checking and replacing of defective capacitors.

5. LT Panel

- Servicing of ACB' s & MCCB' s.
- Operation checking of ACB,s & MCCB,s
- Auxiliary contacts, indicating devices, voltmeter, ammeter, and selector switch etc. check and repair/ replace if required.
- Instrument & current transformer to be checked.
- To check setting the relay time and contacts of relay of each breaker and record.

QUALIFICATION OF STAFF**Electrician**

- 10th class/Standard equivalent
- ITI Diploma certificate in electrician trade
- Electrical supervisory certificate of competency :and Practical Experience of 5year in erection and running /maintenance of different types HT and LT electrical installation including UG Cable system

WIRMEN

- 10th class/Standard equivalent
- ITI Diploma certificate in electrician trade
- Electrical workman certificate of competency: and
- Practical experience of 5 year in electrician trade

KHALASI

- 10th class/Standard equivalent
- 1 Year experience in electrical field

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHOPAL

NIT NO. 30/EE(E)/ABEU/AIIMS/BPL/2018-19

Name of Work: - Operation And maintenance of electrical substations & Operation of UPS System At AIIMS Campus Bhopal.

SCHEDULE OF QUANTITY

Name of the Contractor

Sr. No	Description of Items	Person	Qty	Unit (Per Peron Per Month)	Quoted rates are negative or positive	Rate in Figures in Rupees	Amount
	PART - A (MAINTENANCE OF SUB STATIONS)						
1	Operation and Minor Maintenance of ALL Equipment's round the year twenty four hours in three shifts/day complete with required skilled/Licensed (wherever applicable) and Supervisor consumable material (D.O. Fuse, D.O. Barrel, Petroleum jelly, CRC Spray, Nut bolts, aluminium conductor for jumparing, Greece, cotton waste etc. complete as required) including ,sufficient Tools and tackles and training etc.as required in AIIMS campus Bhopal by deploying minimum required staff including carrying out periodical /Break down Maintenance, of the substations, as per maintenance schedule, as per relevant IS & direction of engineer – in charge in all day i/c holidays complete as required.as per qualification attached in Annexure "A" & Inventory attached as per Annexure "B".						
A	MRSS SUBSTATION 33/11KV						
1	Electrician Skilled : 1No each shift 24 hrs X 365 days -3Nos	3 Nos.	12	Months	Normal Item	24210.00	871560.00
2	Khallasi - Un skilled : 1No in general shift X 365 days 1Nos	1 No.	12	Months	Normal Item	21777.00	261324.00
B	SERVICE SUBSTATION 11KV/.415KV						
1	Wiremen Skilled : 1No each shift 24 hrs X 365 days -3Nos	3 Nos.	12	Months	Normal Item	24210.00	871560.00
2	Khallasi - Un skilled : 1No in general shift X 365 days 1Nos	1 No.	12	Months	Normal Item	21777.00	261324.00
C	LIBRARY SUBSTATION 11KV/.415KV						
1	Wiremen Skilled : 1No each shift 24 hrs X 365 days -3Nos	3 Nos.	12	Months	Normal Item	24210.00	871560.00
2	Khallasi - Un skilled : 1No in general shift X 365 days 1Nos	1 No.	12	Months	Normal Item	21777.00	261324.00

C	HOUSING SUBSTATION 33/11KV &11KV/.415KV & Hostel Substation						
1	Wiremen Skilled : 1No each shift 24 hrs X 365 days -3Nos	3 Nos.	12	Months	Normal Item	24210.00	871560.00
2	Khallasi - Un skilled : 1No in general shift X 365 days 1Nos	1 No.	12	Months	Normal Item	21777.00	261324.00
D	SUPERVISOR						
1	Supervisor/Shift in : 1 No each shift 24 hrs. X 365 days 3Nos	3 Nos.	12	Months	Normal Item	26759.00	963324.00
	PART - B (MAINTENANCE OF UPS SYSTEMS)						
2	Operation of ALL UPS Equipment's round the year twenty four hours in three shifts/day complete with required skilled/ Licensed (wherever applicable), consumable material (GREASE, COTTON WASTE, PETROLIUM JELLY, CRC spray, nut bolt etc.) including ,sufficient Tools and tackles and training etc.as required in AIIMS Hospital Bhopal by deploying required staff including carrying out periodical minor maintenance/minor Break down Maintenance of the UPS , maintenance schedule, as per direction of engineer – in charge in all day i/c holidays complete as required.by deputing the minimum required staff.)as per qualification attached in Annexure "A" & Inventory attached as per Annexure "B".						
	Wireman Skilled : 1 No each shift 24 hrs X 365 days - 4Nos	4 Nos.	12	Months	Normal Item	24210.00	1162080.00
	PART - C (OILING AND FILTERATION)						
3	Supply of Transformer oil for topping up	1 Job	500	Ltrs.	Normal Item	115.00	57500.00
4	Filtration of Transformer oil for 33KV/11KV/.415 installed at different location in AIIMS Bhopal campus	1 Job	30000	Ltrs.	Normal Item	14.00	420000.00
	Grand Total						7134440.00
	Percentage above/ below OR At Par rate the estimated cost						
	Grant Total Amount						
	Contractor Percentage in words						