



अखिल भारतीय आयुर्विज्ञान संस्थान भोपाल

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

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NOTICE INVITING TENDER

Vide TS No.	:	39/TS/SE/ABEU/AIIMS/BPL/2017-18
NIT No.	:	01/SE/Project Cell/AIIMS/BPL/2018-19
Name of Work	:	Supplying, Installation, Testing & Commissioning of High Mast Lights in AIIMS Campus Bhopal.
Estimated Cost	:	1,16,79,683/-
Earnest Money	:	2,33,594/- (2% of Estimated Cost)
Performance Guarantee	:	5% of Tender Value
Security Deposit	:	2.5% of Tender Value
Time Allowed	:	04 (Four) Months.

Certified that this N.I.T. contains 01 to 41 Pages (One to forty one) excluding from cover page

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

Executive Engineer(E)
ABEU, AIIMS Bhopal

This NIT is approved for ₹ 1,16,79,683/- (Rupees One Crore Sixteen Lakh Seventy Nine Thousand Six Hundred and Eighty Three Only)

Superintending Engineer,
ABEU, AIIMS Bhopal

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Name of work: - **“Supplying, Installation, Testing & Commissioning of High Mast Lights in AIIMS Campus Bhopal”**

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CORRECTION	NIL	INSERTION	NIL
CUTTING	NIL	OVERWRITING	NIL

AE(P)

EE(P)

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**ABEU AIIMS BHOPAL
NOTICE INVITING e-TENDER**

PRESS NOTICE FOR NEWS PAPER

The Executive Engineer (E), AIIMS Bhopal on behalf of the Director (AIIMS) Bhopal invites Percentage Rate Bids from Approved & Eligible Contractor of CPWD/ BSNL/ Railways/ MES in composite category and specialized firms who fulfill the PQ criteria in Two Bid System for the following work:

NIT No. 01/SE/project Cell/AIIMS/BPL/2018-19,

Name of work: - Supplying, Installation, Testing & Commissioning of High Mast Lights in AIIMS Campus Bhopal.

Estimated Cost: ₹ 1,16,79,683/- **Earnest Money:** - ₹ 2,33,594/-

Period of completion: - 04 Months, **Last time and date of submission of bid:** Up to **03.00 PM on 05/09/2018.**

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.

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

The Executive Engineer (E), AIIMS Bhopal on behalf of the Director (AIIMS) Bhopal invites Percentage Rate Bids from Approved & Eligible Contractor of CPWD/ BSNL/ Railways/ MES in composite category and specialized firms who fulfill the PQ criteria in Two 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, copy of receipt for deposition of original EMD and other documents as specified in the Press Notice	Time & Date of opening of Technical Bid	Time & Date of opening of Price Bid
1	2	3	4	5	6	7	8	
1	01/SE/Project Cell/AIIMS/BPL/ 2018-19	Supplying, Installation, Testing & Commissioning of High Mast Lights in AIIMS Campus Bhopal.	₹ 1,16,79,683/-	₹ 2,33,594/-	04 Months	Up to 3:00 PM on 05/09/2018	Up to 3:30 PM on 05/09/2018	

1. Firms/ Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted.
 - a) Should have satisfactorily completed the works as mentioned below during the last Seven years ending **previous day of last date of submission of bids.**
 - i. One similar work costing not less than ₹ 93.44 Lakhs.
 - ii. Two similar works each costing not less than ₹70.07 Lakhs
 - iii. Three similar works costing not less than ₹ 46.72 Lakhs.
 - iv. Similar work means **“SITC of High Mast and flood lights”**. The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to last date of submission of bids.
 - b) Should have had average annual **financial turnover** of **₹ 60.00 Lakh** on construction works during the immediate last three consecutive financial years. (Scanned copy of Certificate from CA to be uploaded).
 - c) Should not have **incurred any loss** in more than two years during the last five years ending **31st March 2017.**

2. 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.
3. Information and Instructions for bidders posted on website shall form of bid document.
4. 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**.
5. But the bid can only be submitted after **deposition of original EMD in the office of Executive Engineer (E), ABEU AIIMS BHOPAL inviting bids 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** and other documents as specified.
6. 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.
7. The intending bidder must have valid *Class-I/Class-II/Class-III digital signature* to submit the bid.
8. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
9. Contractor can upload documents in the form of **JPG** format and **PDF** format.
10. **Certificate of Financial Turn over:** At the time of submission of bid contractor may upload Affidavit/ Certificate from **C.A.** mentioning Financial Turnover of last 3 years or for the period as specified in the bid document and further details if required may be asked from the contractor after opening of technical bids. There is no need to upload entire voluminous balance sheet.
11. Contractor must ensure to quote 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**.
12. The technical bid will be opened first on due date and time as mentioned above. **The time & date of opening of financial bid of contractors qualifying the eligibility bid will be communicated to them a later date.**
13. **Pre Bid conference** shall be held in the chamber of Superintending Engineer, Project Cell, **AIIMS, Bhopal** at **11:00 AM** on **30/08/2018** to clear the doubt of intending bidders, if any.
14. When bids are invited in Two stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.
15. 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.

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

- I. Enlistment Order/ Registration of Contractor in appropriate class as specified in NIT.
- II. Treasury Challan/Demand Draft/Pay order or banker's Cheque/Deposit at call receipt/Bank guarantee of any scheduled Bank against EMD.
- III. Certificates of work experience. The completion certificate shall be issued by the officer of the rank not below the executive engineer or equivalent shall have to be furnished.
- IV. Certificate of financial turn over in last three years from CA.
- V. Bank Solvency Certificate.
- VI. Certificate of registration for GST and acknowledgement of up to date filed returns (if applicable).
- VII. **Scan Copy of Original EMD in favor of Director AIIMS BHOPAL**
- VIII. **Copy of PAN Card issued by Income Tax Department.**
- IX. **Postal Address, Mobile No. and e-mail ID of bidder.**
- X. **Undertaking for site inspection [Intending bidders must upload undertaking that they have inspected and examined the site and its surrounding before submitting their bids. (As per CPWD 6 Sl. No. 12 Page No. 10)]**

Note: The Sr. No. III to V are not applicable for CPWD enlisted contractors of appropriate class in composite category, however they will have to upload scanned copy of enlistment order of appropriate class in composite category issued by the competent authority of CPWD.

**Executive Engineer (E)
ABEU, AIIMS Bhopal**

Notice Inviting Tender

1. **The Executive Engineer (E), AIIMS Bhopal** on behalf of the **Director (AIIMS) Bhopal** invites Percentage Rate Bids from Approved & Eligible Contractor of CPWD/ BSNL/ Railways/ MES in composite category and specialized firms who fulfill the PQ criteria in **Two Bid System** for the following work of **“Supplying, Installation, Testing & Commissioning of High Mast Lights in AIIMS Campus 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 composite bid is extended, the enlistment of contractor should be valid on the original date of submission of bids.

The work is estimated to Composite **Cost of: ₹ 1,16,79,683/-** This estimate, however, is given merely as a rough guide.

- 1.1 The authority competent to approve NIT for the combined 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.
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 combined estimated cost of different components put to bid.
- 1.2 Intending bidder is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:-

2. **Criteria of eligibility for submission of bid documents**

- 2.1. One similar work costing not less than **₹ 93.44 Lakhs** or Two similar works each costing not less than **₹ 70.07 Lakh** or Three similar works costing not less than **₹ 46.72 Lakh** in last 7 (Seven) Years ending previous day of Last date of submission of Bids.
- 2.2. The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to last date of submission of bids. This is applicable for 1.2.1 as well 1.2.2. (This is not applicable for CPWD enlisted contractors of appropriate class in composite category). Similar work means **“SITC of High Mast, and flood lights”**

To become eligible for issue of bid, the bidders shall have to furnish an affidavit as under:-

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

- 2.4 **When bids are invited from** Non CPWD/MES/PWD contractors, as per the provisions of clause 2.2, it will be mandatory for Non-CPWD contractors to upload the work experience certificate(s) and affidavit as per the provisions of clause 1.2.2. But for such bids, Class-I A and above registered contractors of composite category of CPWD/MES/PWD are eligible to submit the bids without submission of work experience certificate and affidavit. Therefore, CPWD/MES/PWD class-I A and above registered contractors of composite category of CPWD/MES/PWD shall upload two separate letters for experience certificate and affidavit that these documents are not required to be submitted by them. Uploading of these two letters is mandatory otherwise system will not clear mandatory fields.

CORRECTION	NIL	INSERTION	NIL
CUTTING	NIL	OVERWRITING	NIL

3. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7 amended up to **DG/CON/300 dated 09/02/2018** which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidder shall quote his rates as per various terms and conditions of the said form, which will form part of the agreement.
4. The time allowed for carrying out the work will be **04 (Four) 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.
5. **The site for the work is available.**
- ~~The architectural and structural drawings shall be made by successful bidder and got approved and vetted from IIT/NIT/Sates govt. institutes.~~
6. 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 except Standard General Conditions of Contract Form can be seen from website [www.tenderwizard.com/AIIMS BHOPAL](http://www.tenderwizard.com/AIIMS_BHOPAL) or www.aiimsbhopal.edu.in free of cost.
7. 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.
8. While submitting the revised bid, contractor can revise the quoted rates but before last date and time of submission of bid as notified.
- ~~9. When bids are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.~~
10. Earnest Money in the form of Treasury Challan or 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, 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.
11. Copy of Enlistment Order and certificate of work experience and other documents as specified in the press notice 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 with office of E.E.(E) AIIMS Bhopal and other documents scanned and uploaded are found in order.

The bid submitted shall be opened at **03.30 PM on 05/09/2018.**

12. The contractors registered prior to 01.04.2015 on e-tendering portal of tender wizard 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.
13. The bid submitted shall become invalid and e-Tender processing fee shall not be refunded if:
- The bidder is found ineligible.
 - The bidder does not deposit original EMD Executive Engineer (E), AIIMS Bhopal.
 - 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.
 - 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.
 - 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.**
14. 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.**
12. **The description of the work is as follows:-**
“Supplying, Installation, Testing & Commissioning of High Mast Lights in AIIMS Campus 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.

15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. The bid for the works shall remain open for acceptance for a period of **Sixty (60) days** from the date of opening of technical bid in case bids are invited on two envelop system(strike out as the case may be). 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.**
21. 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 and drawings, 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/300 dated 09/02/2018** or other Standard other C.P.W.D. Form as applicable.

22. For Composite Bids

22.1.1. The Executive Engineer in Charge of the major component will call bids for the composite work. The Earnest Money will be fixed with respect to the combined estimated cost put to tender for the composite bid.

22.1.2. The bid document will include following three components:

Part A: - CPWD-7 including Schedule A to F for the major component of the work, Standard General Conditions of Contract for CPWD, 2014 as amended / modified upto DG/CON/300 dated 09/02/2018.

Part B: - Particular Specifications and Special conditions, specifications and schedule of quantities as applicable to major component of the work.

21.1.3 The bidders must associate himself, with agencies of the appropriate class eligible to bid for each of the minor component individual. For electrical works, the bidder should have **valid electrical license from competent authority in the name of the contractor. However, the contractors is allowed to participate in tender with an undertaking that they will either obtain valid electrical license at the time of execution of electrical work or associate contractors having valid electrical license of eligible class.**

21.1.4 The eligible bidders shall quote rates for major component as well as for minor components of work.

21.1.5 In case of registered contractor himself not having experience of High Mast Lights/ Industrial Poles and Street Lights, he need to associate himself with specialized agency as per qualifying criteria of CPWD works manual for value of work of High Mast Lights/ Industrial Poles and Street Lights. Prior approval from Engineer in charge should be obtained before start of work.

21.1.6 After acceptance of the bid by competent authority, the E.E.(E) in-charge of the work shall issue letter of award on behalf of the Director AIIMS. After the work is awarded, the main contractor will have to enter into one agreement with E.E.(E) in charge.

21.1.7 Entire work under the scope of composite bid including major and all minor components shall be executed under one agreement.

~~21.1.8 Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of work.~~

21.1.9 If required, the main contractor has to associate agency(s) for minor component(s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such agency(s) to Engineer-in-Charge of minor component(s) within prescribed time. Name of the agency(s) to be associated shall be approved by Engineer-in-Charge of minor component(s).

21.1.10 In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer-in-charge of minor component. The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer-in-Charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.

21.1.11 The main contractor has to enter into agreement with contractor(s) associated by him for execution of minor component(s). Copy of such agreement shall be submitted to Executive Engineer –in- Charge of each minor component as well as to EE in charge of major component. In case of change of associate contractor, the main contractor has to enter into agreement with the new contractor associated by him.

- 21.1.12 Running payment for the major component shall be made by E.E.(E) of major discipline to the main contractor. Running payment for minor components shall be made by the Engineer-in-charge of the discipline of minor component directly to the main contractor.
- 21.1.13 (A) The composite work shall be treated as complete when all the components of the work are complete. The completion certificate of the composite work shall be recorded by Engineer -in -charge of major component after record of completion certificate of all other components.
- (B) Final bill of whole work shall be finalized and paid by the E.E.(E) of major component. Engineer(s) in charge of minor component(s) will prepare and pass the final bill for their component of work and pass on the same to the E.E.(E) of major component for including in the final bill for composite contract.
- 22 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(E)AIIMS Bhopal, 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.
- 23 A new provision of Integrity Pact (IP) was introduced in GCC-2014 vide DG/CON/281 dated 04/08/2014. 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.
- 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,

Sub: NIT No. **01/SE/Project Cell/AIIMS/BPL/2018-19**
Name of Work : **“Supplying, Installation, Testing & Commissioning of High Mast Lights in AIIMS Campus Bhopal”**

Dear Sir,

It is here by declared that **AIIMS Bhopal** 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 Bhopal**.

Yours faithfully,

Executive Engineer (E)

To,

The Executive Engineer (E)

ABEU, AIIMS BHOPAL.

Sub: NIT No. **01/SE/Project Cell/AIIMS/BPL/2018-19**
Name of Work : **“Supplying, Installation, Testing & Commissioning of High Mast Lights in AIIMS Campus 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. 01/SE/Project Cell/ AIIMS/ BPL/2018-19)**) (hereinafter referred to as “Tender/Bid”) and intends to award, under laid down organizational procedure, contract for **“Supplying, Installation, Testing & Commissioning of High Mast Lights in AIIMS Campus Bhopal”** here in after referred to as the “Contract”.

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

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

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

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 participates in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.
- 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.
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/ Contractor, either before award or during execution 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:** 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.

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 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

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/ holding 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 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 04 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 of AIIMS Bhopal.

Article 7- Other Provisions

- 1) This Pact is subject to Indian Law, place of performance and jurisdiction is the **AIIMS** 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, एतत् द्वारा **निदेशक अ.भा.आ.सं.** 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** 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 (120) days** from the due date of opening of technical bid and not to make any modification in its terms and conditions.

₹ **2,33,594/-** 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 **निदेशक, अखिल भारतीय आयुर्विज्ञान संस्थान भोपाल** 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 अधिक 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 ₹ **2,33,594/-** 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 Bhopal 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.

CORRECTION	NIL	INSERTION	NIL
CUTTING	NIL	OVERWRITING	NIL

मैं/हम एतत् द्वारा 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 #.....

टेकेदार 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 ₹ (रुपए ') 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 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)

निदेशक अ.भा.आ.सं. की ओर से तथा उनके लिए
For & on behalf of the Director AIIMS

हस्ताक्षरSignature

तारीख Dated

पदनाम Designation

अनुसूचियां SCHEDULES

अनुसूची 'क' SCHEDULE 'A'
मात्राओं की अनुसूची (सलग्न)

Schedule of quantities (As per PWD-3) (Enclosed)

Page No. **39 to 42 (Enclosed)**

अनुसूची 'ख' SCHEDULE 'B'

टेकेदार 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 टेकेदार 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'

टेकेदार 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

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. -----Nil-----

अनुसूची (ङ) SCHEDULE 'E'

1.	टेके की सामान्य शर्तों का संदर्भ Reference to General Conditions of contract	General Conditions of Contract for CPWD Works, 2014 as amended upto DG/CON/300 dated 09-02-2018
	कार्य का नाम Name of work :	“Supplying, Installation, Testing & Commissioning of High Mast Lights in AIIMS Campus Bhopal”
	कार्य की अनुमानित लागत Estimated cost of work	₹ 1,16,79,683/-
	(i) धरोहर राशि Earnest money:	₹ 2,33,594/- (To be returned after receiving Performance Guarantee)
	(ii) निष्पादन गारंटी प्रतिशत Performance guarantee :	5% of tendered value. निविदित मूल्य का 5
	(iii) प्रतिभूति निक्षेप: Security Deposit:	2.5% of tendered Value

अनुसूची 'च' SCHEDULE 'F'

	सामान्य नियम एवं दिशानिर्देश: General Rules & Directions: निविदा आमंत्रण करने वाला प्राधिकारी Officer inviting tender - कार्य की मदों की मात्रा के लिए अधिकतम प्रतिशत जिससे अधिक निष्पादित मदों 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.	EXECUTIVE ENGINEER (E) AIIMS Bhopal निम्नानुसार see below
2(v)	Definitions: भारसाधक इंजीनियर Engineer-in-Charge	For Civil Component: EXECUTIVE ENGINEER (E) AIIMS Bhopal
2(viii)	स्वीकार कर्ता प्राधिकारी Accepting Authority	SUPERINTENDING ENGINEER AIIMS Bhopal
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.	15% (Fifteen per cent)
2(xi)	दरों की मानक अनुसूची Standard schedule of Rates	For Civil:- Delhi Schedule of Rate 2016(Civil) with correction issued up to date of receipt of tender.
2(xii)	विभाग Department	ABEU AIIMS BHOPAL
9(ii)	मानक के.लो.नि.वि. टेका फार्म Standard CPWD contract Form	CPWD Form 7 (Print edition -2014) as modified & corrected up to DG/CON/ 298 dated 29.09.2017

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, programme chart (Time & Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW welfare board or proof of applying thereof : from the date of issue of letter of acceptance : **7 days.**
- (ii) (उपर्युक्त i) में दी गई अवधि के पश्चात् अधिकतम अनुमेय 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, AIIMS Bhopal

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.

Schedule of handing over the site
Schedule of issue of Designs

complete site is ready for work
drawing and design shall be prepared by bidder

Nature of Hindrance Register
(either Physical or Electronic)

Physical

लक्ष्य नीचे दी गई सारणी के अनुसार
Milestone(s) :- As per Table given below

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

Table of Mile stones:

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
1.	1/4	01 Month	0.50%
2.	2/4	02 Months	1.50%
3.	3/4	03 Months	1.50%
4.	Full	04 Months	1.50%

NOTE:

1. Withheld amount shall be released if and when subsequent milestone is achieved within respective time specified. However, in case milestones are not achieved by the Bidder for the work, the amount shown against milestone shall be withheld.
2. **Intending bidder may submit phasing of activities/milestones based on their resources and methodology at the time of bidding corresponding to physical milestones/ financial milestone/ stages indicated in the above table. These shall be formed part of the agreement after approval of the accepting authority, otherwise it would be assumed that agency agrees with the above mentioned physical / financial milestones.**

Time allowed for execution of work for execution of original work)	:	04 Months
Authority to decide		
(i) Extension of Time		Executive Engineer (E), AIIMS Bhopal
(ii) Rescheduling of mile stones		Superintending Engineer, AIIMS Bhopal
(iii) Shifting of date of start in case of delay in handing over of site		Superintending Engineer, AIIMS Bhopal
खण्ड Clause 6, 6A		
खंड लागू-(6 या 6 क) Clause applicable		6A
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		25 LAKH
खण्ड 7 क Clause7A		
Weather clause 7 A shall be applicable		Yes (No running Account Bill shall be paid for the work till the applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board, whatever applicable are submitted by the contractor to the Engineer-in-charge)
खण्ड 10 क Clause10A		
कार्यस्थल प्रयोगशाला में ठेकेदार द्वारा उपलब्ध कराये जाने परीक्षण उपकरण की सूची		
List of testing equipment to be provided by the contractor at site lab.		As required
खण्ड Clause10B(ii)		
क्या खण्ड 10 ख (ii) लागू होगा		
Whether clause 10B (ii) shall be applicable		Yes
खण्ड Clause10C		
Component of labour expressed as		25%
खण्ड Clause10CA		NA
खण्ड Clause10CC		: Not Applicable
खण्ड Clause 11		
कार्य निष्पादन के लिए अनुपालन		
Specifications to be followed for execution of work		For Civil : CPWD Specification 2009, Volume-I & II with correction slips upto date of receipt of tender.
खण्ड Clause 12 Type of Work		Original 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	(i) Deviation limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (except earth work)	30%
12.6	(ii) Deviation limit for items in earth work subhead of DSR or related items	100%

खण्ड Clause 16

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

**Superintending Engineer, 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

खण्ड Clause 25

Place of arbitration

To be decided by competent authority at the
time of appointment of Arbitrator.

For Total Claim upto Rs. 25 Lakhs

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

For Total Claim above Rs. 25 Lakhs

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

खण्ड Clause 31

Whether clause 31 shall be applicable

YES

खण्ड Clause 36(i)

Whether clause 36(i) shall be applicable

YES

S.NO	Requirement of Technical staff	Nos.	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	Graduate Or Diploma	1+1 (Elect.)	2 Or 5 respectively	Site Supervisor (Electrical)	Rs. 15,000/- per month per person	Rs. Fifteen Thousand per month per person

खण्ड Clause 42

I) क)	सीमेन्ट और बिटुमन की अनुमानमूल मात्रा निर्धारित करने के लिए अनुसूची / विवरण	केलोनवि द्वारा मुद्रित दिल्ली दर अनुसूची 2016 के आधार पर
I) (a)	Schedule/statement for determining Theoretical quantity of cement & slips	On the basis of Delhi Schedule of Rates 2016 printed by C.P.W.D. with correction issued up to date of receipt of tender.
	Bitumen	
II)	अनुमानमूलक मात्राओं में अनुमत्य विचलन	
	Variations permissible on theoretical quantities.	
क)	सीमेन्ट जिन कार्यों के लिए निविदा में अनुमानित मूल्य रु. 5 लाख से अधिक न हो	
a)	Cement for works with estimated cost put to tender not more than Rs. 5 lakhs	Not Applicable
	जिन कार्यों के लिए निविदा में अनुमानित मूल्य रु. 5 लाख से अधिक हो	2 प्रतिशत जमा / घटा
	for works with estimated cost put to tender more than Rs. 5 lakhs	2 % plus/minus.
ख)	बिटुमन सभी कार्यों के लिए	2.5 प्रतिशत केवल जमा और घटा के पक्ष में शून्य
b)	Bitumen for all works	2.5% plus only & Nil on minus side.
ग)	इस्पात प्रत्येक व्यास, कोट और श्रेणी के लिए पूनर्वलन और संरचनात्मक इस्पात काट	2 प्रतिशत जमा / घटा
c)	Steel Reinforcement and structural steel sections for each diameter, section and category.	2% plus/minus
घ)	सभी अन्य सामग्रियां	शून्य
d)	All other materials	Nil.

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

क्रम सं. Sl 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.	सीमेन्ट Cement	N.A.	Not Permitted
2.	ईस्पात Steel Reinforcement	N.A.	Not Permitted

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 Two Bid System from last date of receipt of tender.

BLANK

GENERAL CONDITIONS

1. The contractor (s) shall inspect the site of work before tendering and acquaint himself with the site conditions and no claim on this account shall be entertained by the department.

The contractor (s) shall get himself acquainted with nature and extent of the work and satisfy himself about the availability of materials from kiln or approved quarries for collection and conveyance of materials required for construction.
2. The contractor (s) shall study the soil investigation report for the site, available in the office of the Engineer-in-Charge and satisfy himself about complete characteristics of soil and other parameters of site. However, no claim on the alleged inadequacy or incorrectness of the soil data supplied by the department shall be entertained.
3. The tenderer shall see the approaches to the site. In case any approach from main road is required by the contractor, the same shall be provided, improved and maintained by the contractor at his own cost. No payment shall be made on this account.
4. The contractor (s) shall give to the Municipality, Police and other authorities all necessary notices etc. that may be required by law and obtain all requisite Licenses for temporary obstructions, enclosures etc. and pay all fee, taxes and charges which may be livable on account of these operations in executing the contract. He shall make good any damage to the adjoining property whether public or private and shall supply and maintain light and other illumination on for cautioning the public at night.
5. The contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards day and night speed limit board's red flags, red lights and providing barriers. He shall be responsible for all dangers and incidents caused to existing / new work due to negligence on his part. No hindrances shall be caused to traffic during the execution of the work.
6. The contractor shall provide at his own cost suitable weighing surveying and levelling and measuring arrangements as may be necessary at site for checking. All such equipments shall be got calibrated in advance from laboratory, approved by the Engineer-in-Charge. Nothing extra shall be payable on this account.
7. Contractor shall provide permanent bench marks and other reference points for the proper execution of work and these shall be preserved till the end of work. All such reference points shall be in relation to the levels and locations, given in the Architectural and plumbing drawings
8. On completion of work, the contractor shall submit at his own cost four prints of "as built" drawings to the Engineer-in-Charge within 30 days of completion of work. These drawings shall have the following information:
 - a) Run of all piping and their diameters including soil waste pipes & vertical stacks.
 - b) Ground and invert levels of all drainage pipes together with locations of all manholes and connections upto outfall.
 - c) Run of all water supply lines with diameters, location of control valves, access panels etc.

If above said drawings are not submitted by the contractor within the above specified time then final bill will not be paid and Security Deposit shall not be released.

9. The contractor shall submit for the approval of Engineer-in-Charge names of specialized agencies of repute along with their technical capacity proposed to be engaged by him for executing specialized works, who must have executed satisfactorily works of value as specified in mandatory conditions.
10. The works shall be carried out in accordance with the Architectural drawings and structural drawings, to be issued from time to time by the Engineer-in-Charge. Before commencement of any item of work, the contractor shall correlate all the relevant architectural and structural drawings issued for the work and satisfy himself that the information available thereof is complete and unambiguous. The discrepancy, if any shall be brought to the notice of the Engineer-in-Charge before execution of the work. The contractor alone shall be responsible for any loss or damage executing by the commencement of work on the basis of any erroneous and or incomplete information.
11. The contractor shall take all precautions to avoid accidents by, exhibiting caution boards day and night, speed limit boards, red flags, red light and providing necessary barriers and other measures required from time to time. The contractor shall be responsible for all damages and accidents due to negligence on his part.
12. Other agencies will also simultaneously execute and install the works of electrification, air conditioning, lifts, fire-fighting etc. for this work and the contractor shall provide necessary facilities for the same. The contractor shall leave such recesses, holes openings etc. as may be required for the electric, air-conditioning and other related works (for which inserts, sleeves, brackets, conduits base pinion, clamps etc. shall be supplied free of cost by the department unless otherwise specifically mentioned) and the contractor shall fix the same at time of casting of concrete, stone work & brick work, if required and nothing extra shall be payable on this account.
13. All materials obtained from Govt. stores or otherwise shall be get checked by the Engineer-in-Charge or his any authorized supervisor staff on receipt of the same at site before use.
14. The contractor shall conduct work so as not to interfere with or hinder the progress or completion of the work being performed by other contractor(s) or by the Engineer-in-Charge and shall as far as possible arrange his work and shall place and dispose off the materials being used or removed so as not to interfere with the operations of other contractor or he shall arrange his work with that of the others in an acceptable and coordinated manner and shall perform it in proper sequence to the complete satisfaction of others.
15. All Architectural drawings given in the tender other than those indicated in nomenclature of items are only indicative of the nature of the work and materials/fixings involved unless and otherwise specifically mentioned. However, the work shall be executed in accordance with the drawings duly approved by the Engineer-in-Charge.

16. PROGRAMME CHART

- i) The contractor shall prepare an integrated program chart for the execution of work, showing clearly all activities from the start of work to completion, with details of manpower, equipment and machinery required for the fulfillment of the programme within the stipulated period or earlier as indicated in the mile stones under clause 5 of the contract and submit the same for approval to the Engineer-in-Charge within ten days of the award of the contract.
- ii) The programs chart should include the following:-
 - a) Descriptive note explaining sequence of various activities.
 - b) Net work (PERT/CPM/BAR CHART)
 - c) Program for procurement of materials by the contractor
 - d) Program of procurement of machinery/equipment's having adequate capacity commensurate with the quantum of work to be done within the stipulated period by the contractor.
19. If appears to the Engineer-in-Charge that the actual progress of work does not conform to the approved program referred above the contractor shall produce a revised program showing the modifications to the approved program to ensure completion of the work within the stipulated time for completion .
20. The submission for approval by the Engineer-in-Charge of such program or the furnishing of such particulars shall not relieve the contractor of any of his duties or responsibilities under the contract. This is without prejudice to the right of Engineer-in-Charge to take action against the contractor as per terms and conditions of the agreement.
21. If the work is carried out in more than one shift or during night no claim on this accounts shall be entertained.
22. Existing drains, pipes, cables, over-head wires, sewer lines, water lines and similar services encountered in the course of the execution of work shall be protected against the damage by the contractor at his own expense. The contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services.
23. The contractor shall be responsible for the watch and ward/guard of the buildings, safety of all fittings and fixtures including sanitary and water supply fittings and fixtures provided by him against pilferage and breakage during the period of installations and thereafter till the building is physically handed over to the department. No extra payment shall be made on this account.
24. The day to day receipt and issue accounts of different grade/brand of cement shall be maintained separately in the standard proforma by the Jr. Engineer-in-Charge of work and which shall be duly signed by the contractor or his authorised representative.
25. The contractor shall render all help and assistance in documenting the total sequence of this project by way of photography, slides, audio-video recording etc. Nothing extra shall be payable to the contractor on this account. However cost of photographs, slides, audio/videography etc shall be born by the department.
26. The contractor shall be fully responsible for the safe custody of materials brought by him issued to him even though the materials are under double lock key system.
27. The rate of items of flooring is inclusive of providing sunk flooring at bath rooms kitchen etc. and nothing extra on this accounts is admissible.

28. No payment shall be made to the contractor for any damage caused by rain, snowfall, floods, earthquake or any other natural causes whatsoever during execution of work. The damages of the work will be made good by the contractor at his own cost and no claim on this account shall be entertained.
29. For construction works which are likely to generate malba/rubbish to the tune of more than a tempo/truck load, contractor shall dispose of malba, rubbish & other unserviceable materials and wastes at their own cost to the notified/specified dumping ground and under no circumstances these shall be stacked/dumped, even temporarily outside the construction premises.
30. The Plinth Level of Building is to be kept as per Architectural drawings. All the items of works such as PCC, RCC, Brickwork and shuttering etc. in foundation upto this plinth level will be measured and paid as the work done upto plinth level. Nothing extra due to higher plinth will be paid and contractors' rates quoted for all these items shall, therefore, be deemed to cater for extra height of plinth.
31. In case of AR & MO works, the agency shall get the sample prepared for each type of finish before hand and the same shall be got approved by the Engineer-in-charge, which shall be kept intact till completion of work or till the time it is found appropriate by the engineer-in-charge.
32. The work shall be executed strictly as per sample approved.
33. All the materials shall be procured in lots of size as per approval of the engineer-in-charge. All procurements shall be handed over to the engineer-in-charge or his authorized representative. The materials required on day to day basis shall subsequently be issued by the representative of the engineer-in-charge to the agency.
34. The site shall be made available to the agency in consonance to the quantity of materials brought at site and handed over to the department. Any delay on this part shall be on account of the agency. In order to avoid any delay on this account, agencies are advised to bring big lots of materials so that there is no delay on this account.
35. Sample of all the materials of all lots shall be got tested independently by the engineer-in-charge at his discretion.
36. The empty containers/ drums of full quantity of materials shall be kept intact by the agency till the maintenance period is over and release of security deposit, whichever is later.

Special Conditions

1. The work is to be executed with in the premises of 'All India Institute of Medical Sciences Bhopal'. The contractor has to abide by the restriction imposed by the Institute authorities regarding working hours, labour movement and material movement etc. If contractor has to suspend the work due to such restriction imposed, nothing extra shall be payable on this account.
2. The contractor shall provide view cutter/barricades of appropriate type all around the work to segregate work site from general public. Nothing extra shall be payable on this account unless provision has been made in the agreement elsewhere.
3. The contractor shall execute the work in such away so that minimum possible dust pollution/Noise pollution is caused.
4. The contractor shall be allowed to load/unload the construction material only during the non-working hours i.e. between 1800 hrs. to 0800 hrs. inside the academy premises.
5. The contractor has to strictly/follows the norms regarding labour safety and safe work practices.
6. The contractor has to provide following personal safety equipments to each worker employed on the work.
 - (i) Helments of appropriate colour (yellow for labour, blue for supervisor and purple for contractor's Engineer) shall be provided to each worker.
 - (ii) Safety shoes of appropriate quality to each worker.
 - (iii) Safety belts with rope for working on heights.

These shall be in addition to the provision made in CPWD safety code provided in General Conditions of Contract CC 2014 with upto date correction slips.
7. The contractor has to provide appropriate safely net if there is possibility of spilling of debris etc.
8. The contractor has to arrange space for labour huts etc. at his own and it will not be obligation on department to provide space for labour huts.
9. Any damage to existing facilities or property of AIIMS Bhopal shall be suitably rectified by the contractor at his own cost and nothing extra shall be payable to the contractor. The Contractor shall make all necessary arrangement to protect the laid carpet and paneling in auditorium hall as per directions of Engineer in charge and for this nothing extra shall be paid.
10. All ward and watch of all material till handing over shall be responsibility of the bidder.

ADDITIONAL SPECIFICATIONS

1. The work in general shall be executed as per the description of the item, specifications and conditions attached and CPWD specifications 2009, Vol I & II with up-to-date correction slips and instructions of Engineer-in-Charge.
2. The order of preference in case of any discrepancy as indicated in condition No. 8.1 under “Conditions of Contract” give in standard CPWD contract form may be read as the following:
 - i) Nomenclature of items as per schedule of quantities.
 - ii) Additional conditions, General Conditions, Additional Specification and Particular Specifications attached with the tender document.
 - iii) CPWD Specifications 2009, Vol I & II with up-to-date correction slips..
 - iv) Architectural Drawings.
 - v) Indian standard specifications of B.I.S.
 - vi) Sound Engineering Practice.
 - vii) Decision of Engineer-in-charge.

A reference made to any Indian Standard specification in these documents, shall imply to the latest version of that standard. Including such revision/amendments as issued by the bureau of Indian standard upto last date of receipt of tenders. The contractor shall keep at his own cost all such publications of relevant Indian standard applicable to the work at site.

3. The proposed building is a prestigious project and quality of work is paramount importance. Contractor shall have to engage well experienced skilled labour and deploy modern T&P and other equipment to execute the work. Many items like stone masonry & stone cladding works, stone flooring, structural glazing, PVDF coating aluminum composite panel and other specialized flooring work, Wood work will specially require engagement of skilled workers having experience particularly in execution of such items.
4. Samples of all materials and fittings to be used in the work in respect of brand manufacturer and quality shall be got approved from the Engineer-in-Charge, well in advance of actual execution and shall be preserved till the completion of the work. Articles bearing BIS certifications mark shall only be used unless no manufacturer has got BIS mark for the particular material. Any material/fitting whose sample has not been approved in advance and any other unapproved material brought by the contractor shall be immediately removed as soon as directed.
5. The rates for all items of work shall unless clearly specialized otherwise include cost of all labour, material tools and plants and other inputs involved in the execution of the item.
6. The contractor (s) shall quote all inclusive rates against the items in the schedule of quantities and nothing extra shall be payable for any of the conditions and specifications mentioned. In the tender documents unless specifically specified otherwise.
7. Unless otherwise specified in the schedule of quantities the rates for all items shall be considered as inclusive of pumping/baling out water, if necessary, for which no extra payment shall be made. Those conditions shall be considered to include water from any source such as inflow of flood, surface and sub-soil water etc. and shall apply to the execution in any season.

8. The rate for all items in which the use of cement is involved is inclusive of charges for curing.
9. The foundation trenches shall be kept free from water while works below ground level are in progress.
10. The work shall be executed and measured as per metric dimensions given in the schedule of quantities, drawings etc. (FPS units wherever indicated are for guidelines only).
11. Payment for items of “RCC work”, brick work and concrete work above different floor shall be made at the rates provided for those items. For operation of these rates, the floor level shall be considered as top of the main structural slab in that floor viz. top of RCC slab in main room and not top of any sunk or depressed floor for lavatory slabs.
12. The SCI/CI pipes and GI pipes wherever necessary shall be fixed to RCC columns, beams etc. with rawl plugs and nothing extra shall be paid for this.

WORKS TO BE CARRIED OUT SUCCESSFUL TENDERER

In addition to items covered by the schedule of work and specifications, the following works shall be included in the scope of the work of the successful tenderer with in quoted rates.

Foundation of High Mast.

Excavation and refilling as required for cable work and for the foundation works.

Provision for raceway/ HDPE pipe for High Mast to Feeder pillar for cabling.

Complete design of illumination.

Detailed design of foundations for High Mast as per actual bearing capacity of soil at site.

The scope of this specification covers the manufacture, transport, installation, testing and commissioning of the complete lighting system, using Raising and Lowering type of High mast Towers, including the Civil Foundation works. However, all items required for the safe and efficient operation and maintenance of the lighting system, including the high mast, and completion of work whether explicitly stated in the following pages or not, shall be included by the contractor.

The firm should confirm & ensure that all the work related to High Mast i/c foundation thereof carried out as per manufacturer design & specification & also under the supervision of the representative of the manufacturer. A certificate issued by the manufacturer to this affect has to be submitted to department.

13. GUARANTEE

1. **The contractor shall guarantee all the materials and equipments supplied by him, against any defective design in the manufacturing and/or workmanship.**
2. **The lumens output and life of lamps shall be covered by the guarantee.**
3. **The guarantee shall start from the date of acceptance of the installation and taking over by the department as indicated in payment terms laid down in these tender papers and shall be valid for a period of 12 months. The security deposit will be refund only thereafter.**

14. DRAWINGS

The successful tenderer shall furnish, within one week of award of work, the following drawings:

- i) Lighting layout and cabling layout.
- ii) Foundation drawing for high mast.
- iii) Any other drawings considered necessary by tenderer.

The work shall be executed as per drawings prepared as above and approved the Engineer-in-Charge.

15. The firm should confirm and ensure that all the works related to High Mast including foundation thereof are carried out as per manufacturers design and specifications and also under the supervision of the representative of the manufacturer. A certificate issued by the manufacturer to this affect has to be submitted to the department.

16. The acceptable makes of materials.

S.No.	Item	Acceptable Makes
(i)	PVC insulated copper wire FRLS Gr.	Finolex/ R.R. Kabel / NICCO/ Universal/Polycab
(ii)	MCCB (ICS=100% ICU at 415V)	Legrand /L&T / Siemens / Schneider/Hager.
(iii)	MCB	Legrand / Siemens / Schneider/Hager.
(iv)	LED Fittings (with min. 3 years warranty)	Philips / Crompton./Bajaj/ Wipro/ Lighting technology.
(v)	XLPE insulated PVC sheathed 1.1 KV grade Al. conductor armored UG cable.	Finolex/ Cable Corporation of India / R.R. Kabels/ Universal Cable/Polycab
(vi)	Galvanize Octagonal Street light pole/ High Mast & galvanized bracket.	Bajaj/ Transrail/ Valmont/Aster/ Phillips/ Wipro
(vii)	Cubical Board	Manufactured from firm CPRI approved having in house CNC machine & facility of seven tank treatment with powder coating and having type valid CPRI type test certificated for short current rating of not less than 35 KA
(viii)	HRC Protection Fuses/ Fuse Fittings.	Siemens/ L&T/ Schneider
(xi)	Selector Switches/ Indicating Lamps (LED type)	AE/ Enercon/ L&T/ Neptune/ Conserve/ Secure/ Keycee
(xii)	Ammeter/ Voltmeter	Conserve/ Secure/Enercon/AE.
(xiii)	Current. Transformer	L&T/ A.E./ Kappa/ IMP/ GE
(xiv)	LUGS, Thimble, Cable Glands	Dowels/ Multi/ COMET
(xv)	Timer	L&T/ Siemens/ Schinder/ Hager/ Legrand
(xvi)	Power contactor	L&T/ Siemens/ Schinder/ Legrand
(xvii)	Aviation Light	Bajaj/ GE/ Crompton.
(xviii)	G.I. Pipe	Jindal/ Tata/ Prakash Surya
(xvix)	Straight Through Joint	3M/ Denson/ Raychem

Note: Any other items with the approval of Engineer-in-Charge.

Assistant Engineer (E)

Executive Engineer (E)

CORRECTION	NIL	INSERTION	NIL
CUTTING	NIL	OVERWRITING	NIL

AE(P)

EE(P)

SCHEDULE OF WORK

Name of Work - Supplying, Installation, Testing & Commissioning of High Mast Lights in AIIMS Campus at AIIMS Bhopal

Sr. No.	Description of Work	Qty	Rate	Unit	Amount
	Sub Head- I (Poles, Fittings & Feeder pillar)				
1	Supply installation testing & commissioning of High Mast shaft with all its accessories, the Mast shall be in two sections, hot dip galvanized both internally and externally average coating of galvanization 65 micron or more suitable for wind velocity as per IS : 875 Pt. III . It shall also enclosed accessories for High Mast like head frame steel wire rope 6 mm dia (7/19 construction) trailing double drum winch hot dip galvanize lantern carriage arrangement suitable for 9 nos. luminaries arrangement symmetrically reversibly type 3 ph single speed motor of 1 HP or more with mechanical tripping facility & GI lighting finial on the head frame separate handle for manual operation of winch with torque limiting device for safe locking of carriage flexible 2.5 sq mm EPR cable for connection hinged service door of size not less than (1200x 250 mm) in base section, base plate earthing terminal supply of foundation bolts top dia not less than 150mm base dia not less than 410 mm no. mm sec. over lapping 1.5 times the diameter at penetration , sheet thickness not less than 3 mm . base flange thickness not less than 25 mm no. of bolts 8 nos. M 30 dia x 850 length PCD 490 and suitable size anchor plate of thickness 8 mm or more. The mast shall have an integral motorize power tool system installed inside the base compartment for its operation including designing and casting suitable size RCC foundation M25 grade for High mast as per manufacturers drawing adopting safe bearing capacity of soil at site including provision of 70 mm dia pipe for cable running and supplying and fixing of cubical outdoor type IP 65 feeder panel board , duly powder coated made from 2 mm thick made from CRCA sheet steel enclosure mounted on angle frame 750 mm long in CC foundation having 2 nos earth strips 3 nos holes for cable glands and comprising the following components in side.				
	1. 3 Pole Power Contactor 50A- 3 nos. 2. RCBO 300 MA 4 pole 63 A L&T 1 nos. 3. Timer - 3 nos. for operating Luminair in 3 groups 4. Rev.- forward switch -1 nos. 5. Toggle switch -! Nos. 6. Phase indicating Lamp 7. Connector 63 A TPN - 2 set Etc. complete as required.				
a)	16 Meter pole	14	304830.00	Each	4267620.00
b)	20 Meter Pole	1	335568.00	Each	335568.00

2	Supply installation testing and commissioning of LED flood light fitting for 16 mtr. & 20 mtr. high mast shaft having wattage 300watt (Nominal) with >_ 100 lumens per watt color temp. 5700K +_ 500 K or other color temp. to be approved by engineer in charge. luminaire maintenance L 70 at 50,000 hours voltage 110v-270 volts, 50 c/s LED driver efficiency >_ 90% PF >_ 0.95 surge protection > 10 KA THD < 20/, IP 66 IK(8-10) pressure dia cast aluminum body with high power LEDs with secondary lenses for wide angle distribution etc. complete as required.	135	34615.00	Each	4673025.00
3	Supply installation testing and commissioning of LED aviation obstruction light, on the lantern carriage of high mast shaft of high 16/20 mtr. comprising of aluminum housing with poly carbonate enclosure, 302 No LED with mounting rod, clamp nuts & bolts etc. complete as required.	15	10200.00	Each	153000.00
Sub Head – II (Cabling)					
1	Supplying of XLPE/PVC insulated & PVC sheathed armored Aluminum conductor cable of 1.1 Kv grade ISI marked etc. complete as required.				
a)	3.5 core 25 sq. mm	3200	264.00	Meter	844800
2	Laying of one no. PVC insulated and PVC sheathed XLPE power cable of 1.1 Kv grade of following size direct in ground i/c excavation, sand cushioning protective covering and refilling the trench etc. as required (up to 35 sq. mm)	3070	342.00	Meter	1049940.00
3	Demolishing cement concrete road manually or by mechanically means including disposal of material with in 50 mtr. lead as per direction of engineer in charge.	60	1184.00	Cubic meter	71040.00
4	Supply & laying non pressure NP-2 light duty RCC pipe ISI marked with stiff mixture of cement mortar in proportion of 1:2 (1 cement : 2 time) sand i/c testing of joints etc. complete as required.				
a)	150 mm dia	130	703.00	Meter	91390.00
5	Laying of one no. PVC insulated & PVC sheathed XLPE power cable of 1.1 KV grade of following size in the existing RCC/HUME/ metal pipe complete as required.				
a)	Up to 35 sq. mm	130	22.00	Meter	2860.00
6	Supply and making end termination with brass compression gland & aluminum lugs for 3.5 x 25 sq. mm PVC insulated PVC sheathed XLPE aluminum conductor cable of 1.1 KV grade complete as required.	30	284.00	Each	8520.00

Sub Head III (Earthing)					
1	Earthing with GI earth pipe 4.5 meter long 40 mm dia i/c accessories & providing masonry enclosure with cover plate having locking arrangement & watering pipe etc. with charcoal & salt complete as required.	30	4684.00	Each	140520.00
2	Providing & fixing (25 x 5 mm) GI strip on surface or recess for connections etc. complete as required.	230	180.00	Meter	41400.00
		TOTAL		Rs.	11679683.00



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