

NOTICE INVITING TENDER

NIT No.-TC/IMS/BHU/HM/01/2022-23

Name of Work:- Supply, Installation, Testing & Commissioning of High Mast Lights at various places in Trauma Centre Premises, IMS, BHU, Varanasi, U.P.,

- | | | |
|----|------------------------|----------------------------|
| 1. | Estimated cost: | 12,50,000.00/- |
| 2. | Earnest Money: | 25,000.00/- |
| 3. | Security Deposit: | 2.5% of the Tendered Value |
| 4. | Performance Guarantee: | 5% of the Tendered Value |
| 5. | Time Allowed: | 60 Days |

Certified that this NIT contains pages marked as 1 to 27

Professor In-charge
Trauma Centre, IMS
Banaras Hindu University

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Name of Work: - Supply, Installation, Testing & Commissioning of High Mast Lights at various places in Trauma Centre Premises, IMS, BHU, Varanasi, U.P.,

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INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING FORMING PART OF NIT AND TO BE POSTED ON WEBSITE

The **Professor In-charge, Trauma Centre, IMS, BHU** invites the online percentage rate/Item rate Bids from approved and eligible contractors of UWD/EWSS and those of appropriate list of C.P.W.D., M.E.S., Railways, Telecom (BSNL) and other central govt. agencies for the following works:

S.NO.	NIT No.	Name of work and location	Estimated cost put to tender	Earnest Money	Period of Completion	Last date & time of Submission of bids	Time & date of opening of bid.
1	2	3	4	5	6	7	8
	NIT No TC/IMS/BHU/HM/01/2022-23	Supply, Installation, Testing & Commissioning of High Mast Lights at various places in Trauma Centre Premises, IMS, BHU, Varanasi, U.P.,	12,50,000.00/-	25,000.00/-	60Days	23/05/2022(11.00 AM)	24/05/2022 (11.00 AM)

- The tender 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 from website www.eprocure.gov.in or www.bhu.ac.in free of cost.
- Agreement shall be drawn with the successful bidder on prescribed Format.
- The time allowed for carrying out the work will be 60 Days 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 tender documents.
- The site for the work is available for start of the work.
- After submission of the tender the bidder can re-submit revised tender any number of times but before deadline time and date of submission of tender as notified.
- While submitting the revised bid, bidder can revise the rate, but before last time and date of submission of tender as notified.
- a) Earnest Money of ₹ 25,000.00/- can be paid in the form of Banker's Cheque/Demand Draft/Fixed Deposit Receipt (**drawn in favor of Registrar, Banaras Hindu University, Varanasi, payable at Varanasi**) of any Scheduled Bank ,the same shall be scanned and uploaded to the e-tendering website within the period of tender submission.

- b) **e-Tender processing fees – ₹ 500.00/-** can be paid in the form of Banker's Cheque/Demand Draft drawn in favor Registrar, Banaras Hindu University, Varanasi, payable at Varanasi.

e-Tender processing fee & EMD document shall be scanned and uploaded to the e-tendering website within the period of tender submission and its copy in original shall be placed in single sealed envelopes superscripted as "Tender fee & EMD" with name of work and due date of opening of the tender mentioned thereon **and to be submitted in the office of Professor In-charge, Trauma Centre, IMS, BHU, Varanasi on or before 11:00 AM 23/05/2022. The documents submitted shall be opened at 11:00 AM on 24/05/2022**

Conditions of contract/Technical bid and Eligibility criteria document like copy of Completion/performance certificate of work experience issued by competent authority like government/semi government/PSU otherwise for private projects bidder's have to submit TDS certificate with respect to the projects they have claimed, Audited Balance Sheet for the last three financial years duly certified by the C.A, Bank Solvency Certificate equivalent to 40% of the total estimated cost of the instant tender as mentioned above, affidavit and other documents mentioned in the PQ Document shall be mandatorily scanned and uploaded to the e-tendering website within the period of tender submission.

Online Bid Documents submitted by intending bidders shall be opened only of those bidders, whose Earnest Money deposit, tender processing fee and other documents placed in the envelope are found in order.

Online Bid Documents submitted by intending bidders shall be opened only of those bidders, whose Earnest Money deposit, tender processing fees and other documents placed in the envelope are found in order.

8. The bid submitted shall become invalid and cost of bid & e-Tender processing fee shall not be refunded if:
- The bidder is found ineligible.
 - The bidder does not upload all the documents (including G.S.T. registration) as stipulated in the bid document.
 - If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically in the office of tender opening authority.
9. Criteria of eligibility for submission of bid documents:
- Should have satisfactorily completed Three similar works each of value not less than 40% of the estimated cost or Two similar works each of value not less than 60% of the estimated cost or One similar work of value not less than 80% of the estimated cost during last seven years ending 31st Mar.- 2021.

Explanation:-

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 receipt of applications for tenders.

Similar work Means **“Supply, Installation, Testing & Commissioning of High Mast Lights.**

Should have had average annual financial turnover of 30 % of the estimated cost on Construction works during the last three preceding financial years ending 31st March, 2021, duly audited by a Chartered Accountant **(Scanned copy of certificate from CA to be**

uploaded). The year in which no turnover is shown would also be considered for working out the average.

- b. Should not have incurred any loss in more than three years during the last five years ending 31st March, 2021.
- c. Should have a solvency certificate of 40% of the estimated cost issued by Bank during the last six months.

(Scanned copy of original solvency certificate to be uploaded).

10. List of Document to be filled by bidder in various on as indicated, to be scanned and uploaded within the period of bid submission:-

1	Copy of Original Demand Draft/ Fixed Deposit Receipt/Bank Guarantee against EMD and Copy Original Demand Draft against tender processing fees.
2	Letter of Transmittal.
3	Certificate of financial Turnover From Chartered Accountant. (Form 'A')
4	Registration with Govt. /Semi Government Organizations.
5	Bank Solvency Certificate (Form 'B')
6	Details of Eligible similar nature of works completed during the last seven years ending previous day of last day of submission of tenders. (Form 'C')
7	Performance Report of works referred in Form 'C' (Form 'D')
8	Structure and Organization (Form 'E')
9	Certificate of Registration for GST and acknowledgement of upto date filed return, if any.
10	Enlistment/registration paper with central government organization.
11	Valid Electrical License of the Bidder.
12	Information regarding any litigation or arbitration resulting from contracts executed by the Bidder in the last five years.
13	Any other Document as specified in the press notice.

Professor In-charge
Trauma Centre, IMS
Banaras Hindu University

LETTER OF TRANSMITTAL

To
Professor In-charge
Trauma Centre, IMS
Banaras Hindu University

Sub: -NIT NO: -TC/IMS/BHU/HM/01/2022-23 for the work of “Supply, Installation, Testing & Commissioning of High Mast Lights at various places in Trauma Centre Premises, IMS, BHU, Varanasi, U.P.,

Dear Sir,

I/We acknowledge that BHU, Varanasi 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 is in conform the main contract, which will come into existence when tender/bid is finally accepted by BHU, Varanasi. 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, BHU, Varanasi 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)

FORM 'A'

FINANCIAL INFORMATION

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

Years				
2016-17	2017-18	2018-19	2019-20	2020-21

- (i) Gross Annual turnover on construction works.
- (ii) Profit/Loss.
- II. Financial arrangements for carrying out the proposed work.
- III. Solvency Certificate from Bankers of the bidder in the prescribed Form "B".

Signature of Chartered Accountant with Seal

Signature of Bidder(s)

FORM "B"

FORM OF BANKERS' CERTIFICATE FROM A SCHEDULED BANK

This is to certify that to the best of our knowledge and information that M/s./Sh
.....having marginally noted address,
.....a customer of
our bank are/is respectable and can be treated as good for any engagement upto a limit of
Rs Rupees
.....). This certificate is issued
without any guarantee or responsibility on the bank or any of the officers.

(Signature)
For the Bank

NOTE:

1. Bankers certificates should be on letter head of the Bank, sealed in cover addressed to tendering authority.
2. In case of partnership firm, certificate should include names of all partners as recorded with the Bank.
3. Solvency certificate should not be more than 6 month old.

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

Sr.No.	Name of work/project and location	Owner of sponsoring organization	Cost of work in crores of rupees	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Litigation / arbitration cases pending /in progress with details*	Name and address/ telephone number of officer	Whether the work was done on back to back basis Yes/No
1	2	3	4	5	6	7	8	9	10

SUBMISSION OF TENDERS

* Indicate gross amount claimed and amount awarded by the Arbitrator.

Signature of Bidder(s)

Note: The agency should give list of only those eligible works which are of 'SIMILAR NATURE'.

FORM 'D'

PERFORMANCE REPORT OF WORKS REFERRED TO IN FORMS "C"

1. Name of work/project & location
2. Agreement no.
3. Estimated cost
4. Tendered cost
5. Date of start
6. Date of completion
 - (i) Stipulated date of completion
 - (ii) Actual date of completion
7. (a) Whether case of levy of compensation for delay has been decided or not Yes/No
 - (b) If decided, amount of compensation levied for delayed completion, if any
8. Performance Report
 - (1) Quality of work Outstanding/Very Good/Good/Poor
 - (2) Financial soundness Outstanding/Very Good/Good/Poor
 - (3) Technical Proficiency Outstanding/Very Good/Good/Poor
 - (4) Resourcefulness Outstanding/Very Good/Good/Poor
 - (5) General Behavior Outstanding/Very Good/Good/Poor

Dated:

Professor In-charge or Equivalent

**FORM “E”
STRUCTURE & ORGANIZATION**

1. Name & address of the bidder
2. Telephone no. /Telex no. /Fax no. /Email id
3. Legal status of the bidder (attach copies of original document defining the legal status)
 - (a) An Individual
 - (b) A proprietary firm
 - (c) A firm in partnership
 - (d) A limited company or Corporation
4. Particulars of registration with various Government Bodies (attach attested Photocopy) **Organization/Place of registration**
Registration No.
 - 1.
 - 2.
 - 3.
5. Names and titles of Directors & Officers with designation to be concerned with this work.
6. Designation of individuals authorized to act for the organization
7. Has the bidder, or any constituent partner in case of partnership firm **Limited Company/Joint Venture**, ever been convicted by the court of law? If so, give details.
8. In which field of Civil/Electrical Engineering construction the bidder has specialization and interest?
9. Any other information considered necessary but not included above.

Signature of Bidder(s)

**Banaras Hindu University
Institute of Medical Sciences
Trauma Centre & Super Speciality Hospital**

NOTICE INVITING TENDER

The Professor In-charge, IMS, BHU invites the online percentage rate/Item rate Bids from approved and eligible contractors of UWD,EWSS and those of appropriate list of C.P.W.D., M.E.S., Railways, Telecom (BSNL) and other central govt. agencies for the following works:

Supply, Installation, Testing & Commissioning of High Mast Lights at various places in Trauma Centre Premises, IMS, BHU, Varanasi, U.P.,

- 1 The work is estimated to cost **12,50,000.00/-**This estimate, however, is given merely as a rough guide.
- 2 The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the tenders.
- 3 Agreement shall be drawn with the successful tender on prescribed Form No.8 (or other Standard Form as mentioned) which is available as a Govt. of India Publication. Tender 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 **60 days** 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 tender documents.
- 5 The site is available.
- 6 The tender 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 from website www.eprocure.gov.in or www.bhu.ac.in free of cost.
- 7 After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of tender as notified.
- 8 While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of time (he need not re-enter rate of all the items) but before last time and date of submission of tender as notified.
- 9 When tenders are invited in two/ 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 tender submitted earlier shall become invalid. The bid submitted shall be opened at 11:00 AM on **24/05/2022**
- 10 The bidder whose bid is accepted will be required to furnish performance bank guarantee of 5% (Five Percent) of the tendered amount within the 15 days of issue of letter of acceptance. This guarantee shall be in the form of Demand Draft of any scheduled bank 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 bidder fails to deposit the said performance guarantee within the period as indicated, the Earnest Money deposited by the bidder shall be forfeited automatically without any notice to the bidder.

- 11 Intending bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent upon 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 tender by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the university and local conditions and other factors having a bearing on the execution of the work. Cost of site visit shall be borne by the bidder.
- 12 The competent authority on behalf of the University does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidder shall be summarily rejected.
- 13 Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the tenders submitted by the bidders who resort to canvassing will be liable to rejection.
- 14 The competent authority on behalf of University reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
- 15 The bidder shall not be permitted to tender for works in the University, if his near relative is posted as an officer in any capacity between the grades of Professor In-charge and Junior Engineer (both inclusive).. Any breach of this condition by the bidder would render him liable to be removed from the tendering process.
- 16 The tender for the works shall remain open for acceptance for a period of **One Eighty Days (180 days)** from the date of opening of financial bid. If any tenderer withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the Trauma Centre, IMS, then the University 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 retendering process of the work.
- 17 The notice inviting bid shall form part of the contract document. The successful bidder, on acceptance of his bid by the Accepting Authority, have to sign the contract consisting of “The Notice Inviting bid, all the documents including Special Conditions, General Specifications/ Particular 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 leading thereto. Within 15 days from the stipulated date of start of the work.
 - a) The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time

of invitation of tender and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.

b) Standard Form 8 or other Standard C.P.W.D. Form as mentioned

19. 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 Professor In-charge, IMS, BHU, then the bid submitted shall become invalid and the University 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 retendering process of the work.

Professor In-charge

Trauma Centre, IMS
Banaras Hindu University

**Banaras Hindu University
Institute of Medical Sciences
Trauma Centre & Super Specialty Hospital**

ITEM RATE TENDER AND CONTRACT FOR WORKS

- (A) Tender for the work of: **Supply, Installation, Testing & Commissioning of High Mast Lights at various places in Trauma Centre Premises, IMS, BHU, Varanasi, U.P.,**

(Time)

(Date)

i. To be submitted by **11:00 AM** on **23/05/2022**
to the: **Professor In-charge, IMS, BHU Varanasi**

(ii) To be opened in presence of tenderers who may be present at **11:00 A.M.** on **24/05/2022**
in the office of the: **Professor In-charge, IMS, BHU Varanasi** Issued to
(Contractor)

Signature of officer issuing the documents:

Designation:

Professor In-charge, BHU

Date of issue:

TENDER

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

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

*We agree to keep the tender **open for One Eighty Days (180) days from the date of opening of tender** and not to make any modifications in its terms and conditions.*

Earnest Money of **Rs. 25,000.00/-** can be paid in the form of Banker's cheque/ Demand Draft / Fixed Deposit Receipt (**drawn in favor of Registrar, Banaras Hindu University, Varanasi, payable at Varanasi**) of any Scheduled Bank as earnest money. If I/we, fail to furnish the prescribed performance guarantee or fail to commence the work within prescribed period I/we agree that the said President of India or his successors in office shall without prejudice to any other right or remedy be at liberty to forfeit the said earnest money absolutely. Further, if I/we fail of commence work as specified, I/we agree that University or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, up to maximum of the percentage mentioned in

Schedule 'F' and 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 both Earnest Money & 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 Banaras Hindu University in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

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

Signature of contractor
Postal Address

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the University for a sum of

Rs. _____ (Rupees _____
_____))

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

- a) _____
- b) _____
- c) _____

For & on behalf of the University

Dated _____

Signature _____

Designation _____

Operative schedules shall be supplied separately to each intending tenderer)

SCHEDULE 'A'

Schedule of Quantities (As per PWD -3) (As per sheets attached)

SCHEDULE 'B'

Schedule of materials to be issued to the contractor:

S. No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of issue
1	2	3	4	5
-----NIL -----				

SCHEDULE 'C'

Schedule of Tools and Plants to be hired to the contractor

S. No.	Description	Hire charges per day	Place of issue
1	2	3	4
-----NIL -----			

SCHEDULE 'D'

Extra schedule for specific requirements/document for the work, if any:

Addl. Specifications attached.

SCHEDULE 'E' Reference to General Conditions of contract.

Name of Work:	Supply, Installation, Testing & Commissioning of High Mast Lights at various places in Trauma Centre Premises, IMS, BHU, Varanasi, U.P.,
Estimated cost of the work:	12,50,000.00/-
Earnest money	25,000.00/-
Performance Guarantee	5% of the tendered value of the work
Security Deposit	2.5% of the tendered value of the work

SCHEDULE 'F'

General rules and direction

Officer inviting tender	Professor In-charge Trauma Centre, IMS Banaras Hindu University, Varanasi.
Maximum percentage of quantity of items of work to be executed beyond which rates are to be determined in accordance with Clause 12.2.& 12.3	See at appropriate clause under definitions

Definitions:

2(v)	Engineer-in-Charge	Professor In-charge Trauma Centre, IMS Banaras Hindu University, Varanasi.
2(vii)	Accepting Authority	Professor In-charge Trauma Centre, IMS Banaras Hindu University, Varanasi.
2(x)	Percentage on cost of materials and labour to cover all overheads and profits	15%
2(xi)	Standard Schedule of Rates:	Market Rates
2(xii)	Department:	Trauma Centre, IMS, BHU , Varanasi
9(ii)	Standard CPWD contract Form:	GCC 2020, CPWD form 8 as modified & corrected up to date (Whether correction vide latest circulars are incorporated or not in this document).
Clause 1	i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance.	15 Days
	ii) Maximum allowable extension beyond the period as provided in i) above	7 Days
Clause 2	Authority for fixing Compensation under Clause 2	Professor In-charge Trauma Centre, IMS Banaras Hindu University, Varanasi. Or successor thereof
Clause 2 A	Whether Clause 2A shall be applicable	No
Clause 5	Number of days from the date of issue of letter of acceptance for reckoning date of start	10 Days
Authority to decide	Extension of time	Professor In-charge Trauma Centre, IMS Banaras Hindu University, Varanasi..
	Rescheduling of mile stone	Professor In-charge Trauma Centre, IMS Banaras Hindu University, Varanasi.

Time allowed for execution of work		60 Days	
Clause 6, 6A	Clause applicable		Clause 6A
Clause 7	Gross work to be done together with net payment/Adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment		6.0 Lac
Clause 10A	List of testing equipment to be provided by the contractor at site lab.		As per Annexure -B
Clause 10 B (ii), (iii)	Whether clause 10-B (ii) and 10-B (iii) shall be applicable.		No
Clause 10 C	Component of labour expressed as percentage of value of work		75%
Clause 10 CA	Materials covered under this clause.	Nearest material (other than cement, reinforcement bars and structural steel) for which All India Whole sales price Index is to be followed.	NA
	Nil	Nil	Nil
Clause 10 CC	Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column		NA
Clause 11	Specification to be followed for execution of work:	CPWD General Specifications for, Internal E.I. 2013 with up to date correction slips.	
Clause 12			
12.2 & 12.3	Deviation limit beyond which clause 12.2 & 12.3 shall apply for building work		30%
12.5	Deviation limit beyond which clause 12.2 & 12.3 shall apply for foundation work		NA
Clause 16	Competent Authority for Deciding reduced rates:	Professor In-charge Trauma Centre, IMS Banaras Hindu University, Varanasi. Or successor thereof.	
Clause 18	List of mandatory machinery, tools & plants to be deployed by the contractor at site.		As per Annexure -B

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 leveling 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

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.

8. 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.
9. 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.

10. 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.
11. 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.

Special Conditions of Contract

1. The work is to be executed within the premises of 'Trauma Centre, IMS, Banaras Hindu University'. The contractor has to abide by the restriction imposed by the University 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 a way 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 Trauma Centre.
5. The contractor has to strictly follow the norms regarding labour safety and safe work practices.
6. The contractor has to provide following personal safety equipment to each worker employed on the work.
 - (i) Helmets 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 2020 with upto date correction slips.

7. The contractor has to provide appropriate safety 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 the University shall be suitably rectified by the contractor at his own cost and nothing extra shall be payable to the contractor.
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. 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.
3. 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.
4. 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.
5. 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.
6. The rate for all items in which the use of cement is involved is inclusive of charges for curing.

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.

7. GUARANTEE

- 1. The contractor shall guarantee all the materials and equipment 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 30 Days. The security deposit will be refund only thereafter.**

8. 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 highmast.**
- 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.

- 9. 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 effect has to be submitted to the department.**

10. The acceptable makes of materials.

Sr. 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/ Lighting Technology.
V.	XLPE insulated PVC sheathed 1.1 KV grade Al. conductor armored UG Cable.	Finolex/ Cable Corporation of India / R.R. Cables/ Universal Cable/Polycab
VI.	Galvanize Octagonal Street light pole/ High Mast & galvanized Bracket.	Bajaj/ Transrail/ Valmont/Aster/ Phillips/Surya/Wipro
VII.	HRC Protection Fuses/ Fuse Fittings.	Siemens/ L&T/ Schneider
VIII.	Selector Switches/ Indicating Lamps (LED type)	AE/ Enercon/ L&T/ Neptune/ Conserve/ Secure/ Keycee
IX.	Ammeter/ Voltmeter	Conserve/ Secure/Enercon/AE.
X.	Current Transformer	L&T/ A.E./ Kappa/ IMP/ GE
XI.	LUGS, Thimble, Cable Glands	Dowels/ Multi/ COMET
XII.	Timer	L&T/ Siemens/ Schinder/ Hager/ Legrand
XIII.	Power contactor	L&T/ Siemens/ Schinder/ Legrand
XIV.	Aviation Light	Bajaj/ GE/ Crompton.
XV.	G.I. Pipe	Jindal/ Tata/ Prakash Surya
XVI.	Straight Through Joint	3M/ Denson/ Raychem

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

SCHEDULE OF WORK

Name of Work - Supply, Installation, Testing & Commissioning of High Mast Lights at various places in Trauma Centre Premises, IMS, BHU, Varanasi, U.P.,					
Sr. No.	Description of Work	Qty.	Unit	Rate	Amount
	Sub Head- I (Poles, Fittings & Feeder pillar)				
1.0	<p>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.</p> <ol style="list-style-type: none"> 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 Luminaire 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. 				
1.1	16 Meter pole	2	each		

2.0	Supply installation testing and commissioning of LED flood light fitting for 16 mtr. & 20 mtr. high mast shaft having wattage 300watt (Nominal) with >_ 120 lumens per watt color temp. 5700K +_ 500 K or other color temp. to be approved by engineer in charge. lumina 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 < 10%, 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.	18	Each		
3.0	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.	2	Each		
Sub Head – II (Cabling)					
4.0	Supplying of XLPE/PVC insulated & PVC sheathed armored Aluminum conductor cable of 1.1 Kv grade ISI marked etc. complete as required.				
4.1	3.5 core 25 sq. mm	442	Mtr.		
5.0	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)	100	Mtr.		
6.0	Laying of one no. PVC insulated & PVC sheathed XLPE power cable of 1.1 KV grade of following size in the existing trench RCC/HUME/ metal pipe complete as required.				
6.1	Up to 35 sq. mm	342	Mtr.		
7.0	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.	4	Each		
Sub Head III (Earthing)					
8.0	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia. including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	4	Each		
9.0	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)	10	Mtr.		
				Total=	

**Professor In-charge
Trauma Centre, IMS
BHU, Varanasi**