

NOTICE INVITING TENDER

NIT No. TC/IMS/BHU/EI/01/2019-20

Name of Work: Operation & Maintenance of Electrical installation & fan Compound lights and Operation of Pump Sets and DG Sets in Trauma Centre, IMS, Banaras Hindu University

1. Estimated cost: 49,99,500.00/-
2. Earnest Money: 1, 00,000/-
3. Security Deposit: 2.5% of the Tendered Value
4. Performance Guarantee: 5% of the Tendered Value
5. Time Allowed: 12 Months

Certified that this NIT contains pages marked as 1 to 32

Professor In charge
Trauma Centre, IMS,
BHU, Varanasi.

INDEX

Name of Work: - Operation & Maintenance of Electrical installation & fan Compound lights and Operation of Pump Sets and DG Sets in Trauma Centre, IMS, Banaras Hindu University

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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/EI/01/2019-20	Operation & Maintenance of Electrical installation & fan Compound lights and Operation of Pump Sets and DG Sets in Trauma Centre, IM S, Banaras Hindu University.	49,99,500.00/-	1,00,000.00	12 Months	01-05-2019(16.00 Hrs.)	02-05-2019 (16.00 Hrs.)

1. 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.
2. Agreement shall be drawn with the successful bidder on prescribed Format.
3. The time allowed for carrying out the work will be 12 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 tender documents.
4. The site for the work is available for start of the work.
5. 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.

6. While submitting the revised bid, bidder can revise the rate, but before last time and date of submission of tender as notified.
7. a) Earnest Money of **Rs. 1,00,000.00/-** 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/- can be paid in the form of Banker's Cheque/Demand Draft **drawn in favor Registrar, Banaras Hindu University, Varanasi, payable at Varanasi.**

Tender fees & Eligibility criteria document like work experience, financial turn over certificate, Solvency certificate and any other documents mentioned in relevant clauses, shall be placed in single sealed envelope superscripted as (Cover1- "Eligibility criteria document") with name of work and due date of opening of the tender mentioned thereon.

e-Tender processing fees & and EMD document shall be scanned and uploaded to the e-tendering website within the period of tender submission and certified copy in original shall be placed in single sealed envelope superscripted as (Cover2- "Tender fees & EMD") with name of work and due date of opening of the tender mentioned thereon.").

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's 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 an equivalent to 40% of the total estimated cost of the Project as mentioned above, Affidavit and other documents mentioned in the PQ Document shall be scanned and uploaded to the e-tendering website within the period of tender submission and certified copy of each shall be placed in single sealed envelope superscripted as (Cover 1- "Eligibility criteria document") with name of work and due date of opening of the tender mentioned thereon.

Both the envelopes shall be placed in another envelope with due mention of Name of work, date & time of opening of tenders and to be submitted in the office of Professor In-Charge, Trauma Centre, IMS, BHU, Varanasi on or before 04:00 PM 01/05/2019. The bid submitted shall be opened at 04:00 PM on 02/05/2019

8. The bid submitted shall become invalid and cost of bid & e-Tender processing fee shall not be refunded if:
 - (i) The bidder is found ineligible.
 - (ii) The bidder does not upload all the documents (including G.S.T. registration) as stipulated in the bid document.
 - (iii) If any discrepancy is noticed between the documents as uploaded

at the time of submission of bid and hard copies as submitted physically in the office of tender opening authority.

9. Criteria of eligibility for submission of bid documents:

- a. Should have satisfactorily completed Three similar works each of value not less than 19,99,800.00 Lacs or Two similar works each of value not less than 29,99,700.00 Lacs or One similar work of value not less than 39,99,600.00 Lacs during last seven years ending 31st Mar.- 2019.

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 “**Operation & Maintenance of Electrical installation & fan Compound lights and Operation of Pump Sets and DG Sets.**”

- b. Should have had average annual financial turnover of 49,98,50.00 Lacs of the estimated cost on Construction works during the last three preceding financial years ending 31st March, 2019, 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.
- c. Should not have incurred any loss in more than three years during the last five years ending 31st March, 2019.
- d. Should have a solvency certificate of 19,99,800.00 Lacs 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	Bank Solvency Certificate (Form 'B')
5	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')
6	Performance Report of works referred in Form 'C' (Form 'D')
7	Structure and Organization (Form 'E')
8	Certificate of Registration for GST and acknowledgement of upto date filed return, if any.
9	Enlistment/registration paper with central government organization.
10	Valid Electrical Licence of the Bidder.
11	Information regarding any litigation or arbitration resulting from contracts executed by the Bidder in the last five years.
12	Any other Document as specified in the press notice.

***Professor in-charges
Trauma Centre, IMS, BHU***

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).

II.

Years

2013-14	2014-15	2015-16	2016-17	2017-18

- (i) Gross Annual turnover on construction works.
(ii) Profit/Loss.

III. Financial arrangements for carrying out the proposed work.

IV. 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 SUBMISSION OF TENDERS

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

* 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:

Executive Engineer 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 Specialty Hospital**

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:

Operation & Maintenance of Electrical installation & fan Compound lights and Operation of Pump Sets and DG Sets in Trauma Centre, IMS, Banaras Hindu University

- 1 The work is estimated to cost 49,99,500.00 /- 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 **12 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 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 04:00 PM **on 02.05.2019**
- 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, Superintending Engineer 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, Trauma Centre, 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.

20. **PAYMENT OF WAGES**

- (i) Wages due to every worker shall be paid to him direct by contractor through **Bank or ECS or online transfer to his bank account.**
- (ii) All wages shall be paid **through Bank or ECS or online transfer.**
- (iii) It shall be the duty of the contractor to ensure the disbursement of wages **through Bank account of Labour.**
- (iv) The contractor shall obtain from the Junior Engineer or any other authorized representative of the Engineer-in-Charge as the case may be, a certificate under his signature at the end of the entries in the “register of Wages” or the “Wage cum-Muster Roll” as the case may be in the following form : -

Certified that the amount shown in column No..... has been paid to the workman concerned **through bank account of Labour** on At

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

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

(A) Tender for the work of: **Operation & Maintenance of Electrical installation & fan Compound lights and Operation of Pump Sets and DG Sets in Trauma Centre, IMS, Banaras Hindu University**

(i) To be submitted by **4:00 P.M.** hours on **01.05.2019**
to the: **Professor In charge, Trauma Centre, IMS, BHU Varanasi**

(ii) To be opened in presence of tenderers who may be present at **4:00 P.M** on **02.05.2019** in the office of the: **Director, IMS, BHU Varanasi Issued to
(Contractor)**

Signature of officer issuing the documents:

Designation: **Professor In charge, Trauma Centre, IMS,**

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. 1,00,000.00/-** 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

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:	Operation & Maintenance of Electrical installation & fan Compound lights and Operation of Pump Sets and DG Sets in Trauma Centre, IMS, Banaras Hindu University
Estimated cost of the work:	49,99,500.00/- (Forty Nine Lac Ninety Nine Thousand Five Hundred Only)
Earnest money	1,00,000.00/- (One Lac Only)
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, BHU, 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, BHU, Varanasi.
2(vii) Accepting Authority	Professor In charge Trauma Centre IMS, BHU, 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 2014, 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, BHU, 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, BHU, Varanasi.**

Rescheduling of milestone **Professor In charge Trauma Centre IMS, BHU, Varanasi.**

Time allowed for execution of work **12 Months**

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.		1. Earth Tester, 2. Insulation Tester, 3. LT/HT, Tong Tester, 4. Multimeter 5. Lux Meter 6. Vernier Caliper 7. Wire Gauge 8. Cable Jacks. 9. Screw Driver Set 10. Spanner Set 11. Allen keys Set 12. Testing Lamp 13. P & P Tools
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, BHU,
Varanasi Or successor
thereof.**

Clause 18 *List of mandatory machinery, tools & plants to be deployed by the contractor at site.*

1. Drill Machine 2. Chase Cutting Machine 3. Crimping Tool Kit 4. Self Supporting Ladder-4 ft. 5. Ladder-20ft. 6. Electrical wiring drawing machine.

Clause 36(i) Requirement of Technical Representative(s) and Recovery Rate

Sl. No. cost of work (Rs. in Crore)	Requirement of Technical staff		Minimum experience (Years)	Designation of Technical staff	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 36(i)	
	Qualification	Number (of Major + Minor Component)			Figures	Words
More than 50 to 100	Graduate Engineer	1	20 (and having experience of one similar nature of work)	Project manager	Rs. 60,000/- per month	Rs. Sixty Thousand per month
	Graduate Engineer	1	12 (and having experience of one similar nature of work)	Deputy Project Manager	Rs. 40,000/- per month	Rs. Forty Thousand per month
	Graduate Engineer Or Diploma Engineer	1+1	5 Or 10 respectively	Project / Site Manager	Rs. 25,000/- per month	Rs. Twenty Five Thousand per month
	Graduate Engineer	1+1	8	Quality Engineer	Rs. 25,000/- per month	Rs. Twenty Five Thousand per month
	Diploma Engineer	1	8	Surveyor	Rs. 15,000/- per month	Rs. Fifteen Thousand per month
	Graduate Engineer	1+1	6	Project Planning/ Billing Engineer	Rs. 20,000/- per month	Rs. Twenty Thousand per month

More than 20 to 50	Graduate Engineer	1	20 (and having experience of one similar nature of work)	Project Engineer	Rs. 60,000/- per month	Rs. Sixty Thousand per month
	Graduate Engineer	1	12 (and having experience of one similar nature of work)	Deputy Project Manager	Rs. 40,000/- per month	Rs. Forty Thousand per month
	Graduate Engineer Or Diploma Engineer	1+1	5 Or 10 respectively	Project / Site Manager	Rs. 25,000/- per month	Rs. Twenty Five Thousand per month
	Graduate Engineer Or Diploma Engineer	1+1	2 Or 5 respectively	Project Planning/ Quality/ Billing Engineer	Rs. 15,000/- per month	Rs. Fifteen Thousand per month
More than 10 to 20	Graduate Engineer	1	10 (and having experience of one similar nature of work)	Project Manager	Rs. 30,000/- per month	Rs. Thirty Thousand per month
	Graduate Engineer Or Diploma Engineer	1	5 Or 10 respectively	Project / Site Manager	Rs. 25,000/- per month	Rs. Twenty Five Thousand per month
	Graduate Engineer Or Diploma Engineer	1+1	2 Or 5 respectively	Project Planning/ Quality / billing Engineer	Rs. 15,000/- per month per person	Rs. Fifteen Thousand per month per person
More than 5 to 10	Graduate Engineer	1	5 (and having experience of one similar nature of work)	Project Manager	Rs. 25,000/- per month	Rs. Twenty Five Thousand per month
	Graduate Engineer Or Diploma Engineer	1+1	2 Or 5 respectively	Project Planning/ Quality / Site/ billing Engineer	Rs. 15,000/- per month per person	Rs. Fifteen Thousand per month per person
More than 1.5 to 5	Graduate Engineer Or Diploma Engineer	1+1	2 Or 5 respectively	Project Manager cum Planning/ Quality / Site/ billing Engineer	Rs. 15,000/- per month	Rs. Fifteen Thousand per month

More than 15 lacs to 1.5 crore	Graduate Engineer Or Diploma Engineer	1 of major component	2 Or 5 respectively	Project Manager cum Planning/Quality/Site/billing Engineer	Rs. 15,000/- per month	Rs. Fifteen Thousand per month
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Note:

1. Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers. Diploma holder with minimum 10 years relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.
2. Nothing extra need to be added while preparing market rate justified amount of the work if stipulation is made as per above recommended scale of requirement of technical staff.

Clause 42			
i)	a)	Schedule/ statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2007 printed by CPWD	NA
ii)		Variations permissible on theoretical quantities	
	b)	Cement for works with estimated cost put to tender not more than ` 5 lakhs.	NA
		For works with estimated cost put to Tender is more than 5 lakhs	NA
	c)	Bitumen all works	NA
	d)	Steel reinforcement and structural steel Sections for diameter, section and category.	NA
	e)	All other materials	NA

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

Sl No	Description of items	Rates in figures and words at which recovery shall be made from the contractor	
		Excess beyond permissible variation	Less use beyond the permissible variation
1.	Cement (PPC)	NA	NA
2.	Steel reinforcement (TMT Bars)		NA

GENERAL CONDITIONS

1. The maintenance of work shall be done as per rules and specification of CPWD and as Per Indian Electricity Rules & acts as amended up to date
2. The contractor shall engage suitable qualified, experienced staff for round the clock services as per schedule of work i/c Sundays & Holidays.

Buildings covered: - Trauma Centre main building, Substation building with Pump house and National Emergency Life Support Training & Skill Center, IMS, BHU

4. The firm will have to submit the name and qualification of the workers to be employed on different locations shifts wise to the Engineer-in-charge or his authorized representative. He should maintain statutory requirement of employment as per existing Labour laws. The technical staff wireman/ operator should have valid electrical license and least three-year experience in the line, after passing ITI course form recognized institute.
5. Whenever the services are not attended immediately, than recovery shall be made as decided by Engineer-in-charge.
6. Payment of work shall be made on monthly / quarterly after verification of work and attendance of worker for the period, by the Engineer-in-charge of work.
7. The department shall be at liberty to terminate the contract without giving any notice if the contractor's working is found unsatisfactory and not in accordance with the schedule of work.
8. The contractor shall arrange his own T&P etc. He will also arrange petty material like Soap, Duster, fuse wire, HRC fuse up to 15 amp, indicating lamps, distilled water for battery, battery terminal, all control fuse for secondary wiring arrangement, log books, register, etc. as required and as per Technical Condition for which nothing extra shall be paid.
9. The contractor, staff shall maintain a history sheet register of the installations, showing equipment wise details of repairs carried out. A separate attendance register will also be maintained at site for the staff employed, which will be produced to the inspecting authority as & when reqd.
10. Being security zone area necessary, entry passes has to be arranged by the contractor for his deployed labour, with the help of Engineer-in-charge at site of work.
11. Safe custody of the equipments / installations and their accessories shall be responsibility of the contractors during the tenure of the contract. In case of theft or damage to any part of the store, machine/equipment the losses shall be made good by the contractor at his own risk & cost and for any penalty imposed by the Labour officer shall be paid by the contractor.
12. This contract provide for maintenance, preventive maintenance, servicing, testing operation of above said equipment, up keep of log book and also minor repair both electrical & mechanical. The spare shall be supplied by the

department for minor repair free of cost at site, the contractor shall keep account of all such material issued to him or his authorized representative and dismantled material shall be returned back to the department after repairs.

13. To carry out above jobs the contractor/firm shall be provided with the free water and electricity at site.
14. The following minimum staff shall be provided for Maintenance of Elect. & Mech. Installation. Contractor may have to deploy more staff at site for any specific work for which nothing extra shall be paid
15. Payment of Labour contractor should be paid in presence of JE (E) concern.
16. For any Leave/contingency of manpower, spare manpower of the same class to be engaged by the contractor without any extra cost.
17. Any fault/failure should be attended in reasonable time, any undue delay/persistent client complain will attract penalty as decided by EIC.
18. For final bill a client satisfaction Certificate/NOC may be asked regarding service put in by the contractor for the work.
19. The transportation and filling of fuel (Diesel) will be scope of contractor from BHU petrol pump to the Diesel Tank of DG sets at no extra cost.

Details of Installations: - Annexure 'A'

Internal Electrical installation: - The details of internal electrical Installations are.

a)	Total Light/Fan/Exhaust fan points	:	4400 points (approx)
b)	15/16 Amp. Power point	:	750 Nos. (Approx)
c)	5/6 Amp. Light plug	:	1300 Nos. (Approx)
d)	Computer point (2x5 Amp.)	:	300 Nos. (Approx)
e)	Compound light	:	165 Nos. (Approx)
f)	W.S. pump sets	:	12 Nos.

DG set:-

a)	1250 KVA DG set with AMF Panel	:	2 Nos.
b)	500 KVA DG set with AMF Panel	:	2 Nos.

- 1 The following recoveries shall be made from the bill of the contractor for the absence of the staff as under: -

- (a) Supervisor / Mechanic / Sr. Mechanic/ Electrician/Technician/Wireman/ Operator:
Rs. 1290/- Per visit/ Shift.
- (b) Khallasi :
Rs. 974/- Per shift.

- 2 The agency will hand over the entire installation to the department in working position at the time of completion of stipulated time, as per agreement.
- 3 The department shall not be responsible for any labour claim and compensation during the course of the contract and cannot claim employment in the Govt. works.
- 4 Any worker found inefficient or indulging in undesired activity shall be immediately removed from the site and the decision of the Engineer-in-charge in this regard shall be final and binding upon the contractor.
- 5 Timing of the shift can be changed by the department as per actual requirement at site.
- 6 In case of disobedience or misbehavior by the worker, Engineer-in-charge may ask for removal of such person from the work.
- 7 The contractor is fully responsible for the safety of the worker employed by him on the work.
- 8 Any damage to man/ machinery will be the full responsibility of the contractor
- 9 The contractor will provide monogram badge "ON TRAUMA CENTRE DUTY" shall be embossed on it.
- 10 The contractor shall provide mobile phone facilities to the staff during duty hours, for which nothing extra shall be paid and mobile no. shall be provided to the Engineer-In-Charge.
- 11 The prescribe wages to the deployed staff shall be paid in the presence of the Engineer-in-charge.
- 12 All Labour rules shall be followed by the contractor for which nothing extra shall be paid by the Department.

RMO EI & Fans and compound lights/ security Light

1. The contractor's staff shall be well conversant with the attending of electrical complaints and should be able to undertake minor repair of installation. They shall be responsible for maintenance / cleaning of electrical accessories etc.
2. Logbook/complaint diary / register shall be maintained in proper form and shall be kept up to date. It should be duly signed by the contractor's staff. In order to keep proper monitoring the instruction of the Engineer-in-charge or his superior officer shall be recorded in the logbook / complaint diary / register. These shall be fully complied with.
3. Any damage caused to the electrical installation or its accessories due to carelessness of the contractor's staff or any, shall have to be made good by

the contractors at his own cost and nothing extra shall be paid on this account.

4. The contractor shall depute suitable technically qualified & experienced well behaved staffs for cleaning & maintenance & to attend electrical complaints.
5. The department shall be at liberty to terminate the contract without giving any notice if the contractor's working is found unsatisfactory and not in accordance with the schedule of work.
6. The department shall not be responsible for any labour claim and compensation during the course of the contract and cannot claim employment in the Govt. works.
7. The contractor will submit the list of the workers to be deployed at the site to the Engineer-in-charge before commencement of the agreement along with their names and experience etc.
8. Any worker found inefficient or indulging in undesired activity shall be immediately removed from the site and the decision of the Engineer-in-charge in this regard shall be final and binding upon the contractor.
9. Timing of the shift can be changed by the Engineer In-charge as per actual requirement at site.
10. In case of disobedience or misbehavior by the worker, Engineer-in-charge may ask for removal of such person from the work.
11. The contractor is fully responsible for the safety of the worker employed by him in the work.
12. The payment of work shall be made monthly / quarterly after verification of work and attendance of worker for the period, by the Engineer-in-charge of work.
13. The contractor shall arrange for worker to be engaged for reliving duty on weekly off days & all holidays for which nothing extra shall be paid on any account.
14. The contractor will provide to his staff monogram badge "**ON TRAUMA CENTRE DUTY**" shall be embossed on it. The contractor staff's will have to wear it on duty time.
15. The watch and ward of the entire installation shall be the responsibility of the contractor & any loss/damage to the equipments occurred due to negligence of staff shall be made good / replaced by the contractor free of cost.
16. The contractor will deploy the following staff as per Schedule of items:-

a. Wireman cum supervisor	= 3	Nos (1 Nos in Each Shift)
b. Wireman	= 6	Nos (2 Nos in Each Shift)
c. Khallasi	= 6	Nos (2 Nos in Each Shift)

17. The contractor shall provide mobile phone facilities to the staff during duty hours, for which nothing extra shall be paid.
18. The electrical complaint & maintenance / cleaning of electrical installation shall be attended in three shift i/c holidays and Sundays as mentioned in schedule of work.
19. **SCOPE OF WORK:-** The contractor's scope of work will include attending the day to day electrical complaints, however all necessary electrical items such as Switch/Sockets/holder/lamps/ballasts/Ignitors/Capacitors/ will be supplied by the deptt. free of cost.
20. Contractor will return all dismantled parts to JE-in-charge and electrical items required for day-to-day complaint and repair shall be issued by the deptt., free of cost for which contractor will maintain necessary records.
21. Following material will be provided by the contractor within the scope of this work for performance of the contract.
 - (a) Cleaning materials like Soap, Detergent Powder, Duster, Cotton Waste, Grease etc.
 - (a) Pilot lamp for indication, screw washer.
 - (b) Fuse wire up to 15 Amp, PVC Tape, copper thimbles etc.
 - (c) Logbook/ badges.
22. The prescribe wages to the deployed staff shall be paid in the presence of the Engineer-in-charge.
23. All the labour rules shall be followed by the contractor for which nothing extra shall be paid by the department.
24. The firm will have to inform the name and qualification of the workers to be employed on different shifts, to the Engineer-in-charge or his authorized representative. He should maintain statutory requirement of employments as per existing labour Laws. The technical staff (except Khallasi) should have valid electrical license

C) Operation of D.G. Sets:-

1. This contract provide for operation & daily routine Check of following equipment, upkeep of log book
- 2 The following equipment are to be operated in case of power failure in routine. Round the clock Duty.
2X1250 KVA and 2X500 KVA, DG set with AMF panel, fitted with diesel driven Engine.
3. The safe custody of DG set, panel and cables and its accessories shall be the responsibility of the contractor during the tenure of the contract. In case of theft or damages to any part or stores, compensation as decided by the Engineer-in-charge shall be recoverable from the bill of the contractor.

SCOPE OF WORK: - The contractor's scope of work will include routine operation of DG sets, as per instruction of the Engineer-in-charge.

4. Log book is to be maintained properly by the Operator.
5. The department shall supply diesel Oil, Mobil Oil and related electrical and mechanical spare parts etc. within the premises / site of work for which contractors will maintain necessary records.
6. The diesel Gen. Set shall be run on trial on daily basis and as per the requirement of Engineer-in-charge.
7. The contractor shall arrange his own T&P etc. He will also arrange petty material like Soap, Duster, log books, register etc. as required for which nothing extra shall be paid.
- 8) A separate attendance register will also be maintained at site for the staff employed, which will be produced to the inspecting authority as & when reqd.

D) Operation of Water Pump Sets:-

1. This contract provide for operation of above said equipment, upkeep of log book.
2. The following Water Pump sets are to be operated as & when required basis round the clock
 - a. 7.5 HP Centrifugal pumps with Induction motor - 2 nos.
 - b. 10 HP Centrifugal pumps with Induction motor - 7 nos.
 - c. 10 HP Submersible pumps - 2 nos.
 - d. 33 HP Submersible pumps - 1 nos.
3. The safe custody of Water pump Sets, panels and cables and its accessories shall be the responsibility of the contractor during the tenure of the contract. In case of theft or damages to any part or stores, compensation as decided by the Engineer-in-charge shall be recoverable from the bill of the contractor.

SCOPE OF WORK: - The contractor's scope of work will include routine operation of Water Pump Sets as & when required, as per instruction of the Engineer-in-charge.

- 1) Log book is to be maintained properly by the Operator.
- 2) The contractor shall arrange his own T&P etc. He will also arrange petty material like Soap, Duster, log books, register etc. as required for which nothing extra shall be paid.
- 3) A separate attendance register will also be maintained at site for the staff employed, which will be produced to the inspecting authority as & when reqd.

Schedule of Work

Name of work: - Operation & Maintenance of Electrical installation & fan Compound lights and Operation of Pump Sets and DG Sets in Trauma Centre, IMS, Banaras Hindu University					
Sl. no.	Description of item	Qty.	Unit	Rate	Amount
1	Providing Services for running maintenance of EI & fans, Compound/ Security light and attending day to day electrical complaints including cleaning of ceiling fans & other electrical accessories in three shifts / round the clock duty (i.e. from 6 AM to 2 PM, 2 PM to 10 PM & 10 PM to 6 AM) , Operation of Water Pump Sets, DG Sets, Electrical work related with Lifts on all days including Sunday & Holidays in Trauma Centre campus under IMS BHU, Varanasi as required by Engineer In-charge. (1 No Supervisor cum Wireman, 2 nos. Wireman and 2 Nos. Khallasi in each shift)	12	Months	355,276.00	4,263,312.00
2	Supply of following materials:-				
2.1	6 A 1 Module 1 Way switch Cat. OS11W06 (Make : L&T Model: Oris)	200	Nos.	123.00	22140.00
2.2	16 A 1 Module 1 Way switch Cat. OS11W16 (Make : L&T Model: Oris)	100	Nos.	172.00	15480.00
2.3	6 A 3 Module 2-Pin/3-Pin socket, Shuttered, cat. OC32W06 (Make : L&T Model: Oris)	100	Nos.	165.00	14850.00
2.4	6/16 A 3 Module Twin 3-Pin socket, Shuttered, cat. OC32W66 (Make : L&T Model: Oris)	100	Nos.	252.00	22680.00
2.5	3/4 Module surface box cat. OW41W00 (Make : L&T Model: Oris)	35	Nos.	105.00	3307.50
2.6	4-module grid frame+ cover cat. OF41W00 (Make : L&T Model- Oris)	40	Nos.	126.00	4536.00
2.7	8-module Surface box cat. OW81W00 (Make-L&T ,Model-Oris)	50	Nos.	131.00	5895.00
2.8	8-module grid frame+ cover Cat. OF81W00 (Make : L&T Model- Oris)	60	Nos	198.00	10692.00
2.9	12-module surface box Cat. OW12W00 (Make - L&T Model- Oris)	15	Nos.	173.00	2335.50
2.10	12-module grid frame+ cover cat. OF12W00 (Make : L&T Model- Oris)	25	Nos.	281.00	6322.50
2.11	Fan Regulator 120W 2 Module 5 step fan regulator 360° Rotation cat. OR22W01 (Make – L&T Model-Oris)	15	Nos.	597.00	8059.50
2.12	Wall fan 400 mm sweep (Crompton/Usha /Havells)	50	Nos.	2340.00	105300.00
2.13	14 Lamp T-5 (Make – Philips/ Wipro)	220	Nos.	120.00	23760.00

2.14	70 Watt Double Ended Metal Halide Lamp (Make- Wipro/Philips)	50	Nos.	550.00	24750.00
2.15	70 Watt MH Ballast suitable for item no. XII (Make- Wipro/Philips)	60	Nos.	1050.00	56700.00
2.16	Starter & Igniter 70W Super imposed pulse suitable for item no. XII Cat. WEH 24001 in Wipro make or its equivalent (Make-Philips/ Wipro)	30	Nos.	350.00	9450.00
2.17	High performance IP66 LED streelight, (Make - Wipro/Philips)	35	Nos.	7205.00	252175.00
2.18	3 Pole 280-400 Amp Icu@415Vac= 36 kA MCCB (Make: - ABB Cat. No. 1SDA054437R1)	3	Nos.	8560.00	23112.00
2.19	10 sq. mm wire (1.1 KV grade FRLS PVC insulated single core multistrand Copper Wire 90 mtr (Black/Red/Blue in each colour (Make-L&T/Polycab/Finolex)	3	Coil	10600.00	25440.00
2.20	10 sq. mm 3 core Armoured Cable XLPE of 100mtr (1.1 KV grade PVC insulated single (Make- Polycab/Finolex/National)	600	Mtr.	123.00	59040.00
2.21	Cat-6 4 pair unshielded twisted pair (UTP) LAN Computer Cable Make (Polycab/Finolax/D-Link)	5	Nos.	8925.00	40162.5
				Total	4,999,499.50
				Say Rs.	49,99,500.00

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