

**Dr. Hari Singh Gour Vishwavidyalaya, Sagar (M.P.)**



Tender

For

**Providing & fixing of High Mast Lights & Street lights in the University Campus.**

**March 2013**

N.I.T. No. R/ES-2/14/Tender/2012-13

Last Date & Time of submission of tender 12/04/2013 up to 4.30 pm

Date & Time of opening of tender (Technical Bid only) 15/04/2013 at 4.30pm

## INDEX

**NAME OF WORK: Providing & fixing of High Mast Lights & Street lights in the University Campus**

<b>Sl. No.</b>	<b>Description</b>	<b>Page No.</b>
1.	General Instructions to the contractors who are submitting tenders	3
2.	Press Notice	4
3.	P.W.D. Form -6	5 to 6
4.	C.P.W.D.Form-7/8	7 to 15
5.	Schedule of quantities	26 to27

This NIT contains  
27 (Twenty seven)  
pages only

This NIT contain 27 pages only

**Executive Engineer  
Engineering Section-2  
Dr. H.S. Gour Vishwavidyalaya  
Sagar (M.P.)**

## **GENERAL INSTRUCTIONS TO THE CONTRACTORS WHO ARE SUBMITTING TENDERS**

1. The tenderers should read all the instructions terms & conditions, contract clauses, nomenclature of items, specifications etc. contained in the tender documents very carefully, before quoting the rates.  
The contract shall be drawn as per General Conditions of Contract for CPWD works 2010 with corrections issued up to date with due modifications to suite to the University. This document is available as a priced publication in the market or University web-site.
2. Contractors shall fill in tenders properly and carefully. They should avoid quoting absurd rates and making too many corrections in tenders. The rates should also be quoted in figures as well as in words otherwise the tender will be treated as rejected.
3. All corrections in the tender should be carried out neatly and clearly and initialed by the person making the corrections.
4. In the percentage rate tender, the contractors are required to quote their rates both in amount as well as in the percentage below/above the rates entered in the schedule.
5. Contractors shall quote their rates/percentage only on the tender documents/schedule issued by the division.
6. The Contractors shall quote his rates keeping in mind the specifications terms & conditions and special conditions etc. and nothing shall be payable extra whatsoever unless otherwise specified.
7. The contractor submitting the tender should read the schedule of quantities, additional conditions, additional specifications, particular specification and other terms and conditions given in the NIT and drawings. The tenderer should also read the General conditions of contract for CPWD works 2010, which is available as Govt. of India publications; however provisions included in the tender document shall prevail over the provisions contained in the standard form. The contractor should also visit the site of work and acquaint himself with the site conditions before tendering.
8. Tenders with any condition including that of conditional rebates shall be rejected forthwith. Rates of such tenders shall neither be read out, nor entered in tender opening register at the time of opening of tenders.
9. Sales tax, excise duty, work contract tax and service tax, VAT, Labour cess etc. as applicable shall be paid by the contractor himself. The Department shall deduct form the R/A bills, the TDS as applicable. The contractor shall quote his rates considering all such taxes.
10. The tender, which is not duly signed by authorized signatory or is conditional shall be treated as non-responsive and shall be summarily rejected.
11. In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power of attorney authorizing him to do so. Such power of attorney should be produced with the tender and it must be disclosed that the firm is duly registered under the Indian partnership act, 1952.

**Registrar**  
**Dr. H. S. Gour V.V.**  
**Sagar(M.P.)**

**Dr. Hari Singh Gour Vishwavidyalaya**  
**(A Central University)**  
**NOTICE INVITING TENDER**

N.I.T. No. R/ES-2/14 /Tender/2012-13

Dt: - 15/03/2013

The Registrar, **Doctor Hari Singh Gour Vishwavidyalaya, Sagar (M.P.)** invites, percentage rate tenders from approved and eligible contractors of CPWD /MES/Railways / MPPWD for the following work through Registered post / Speed Post Only:-

Sl . N o.	Name of work	Estimated cost	Earnest money	Time allowed	Last date of submission of Application for issue of NIT	Last date of issue of Tender & time	Last date of receipt of tender document & time	Date of opening of the tender document & time	Form/ Cost	Schedule Applicable
1.	Providing & fixing of High Mast Lights & Street lights in the University Campus	56,44,920.00	112900.00	<b>Three Month</b>	30.03.13 Upto 4.30 PM	04.04.2013 Upto 4:30 PM	12.04.2013 Upto 4:30 PM	15.04.2013 Upto 4:30 PM	CPWD-7/8 1000.00	M.P.P.W.D. Electrical S.O.R. 1 <sup>st</sup> April, 2008 (as amended up to date)

The enlistment of the contractors should be valid on the last date of sale of tenders. In case only the last date of sale of tender is extended, the enlistment of contractor should be valid on the original date of sale of tender. In case both the last date of receipt of application and sale of tenders are extended, the enlistment of contractor should be valid on either of the two dates i.e. original date of sale of tender or on the extended date of sale of tenders.

**Conditions:-**

(1).Tenders should be submitted in sealed envelope duly marked as Tender for ‘Providing & fixing of High Mast Lights & Street Lights in the University Campus’ Due on 12.04.2013 Addressed to Registrar, Dr. Harisingh Gour Vishwavidyalaya, Sagar (M.P.) up to 4.30 p.m. through Registered/Speed Post only.(2).The Tender received after due date & time shall not be considered.(3).Tenders received will be opened (technical Bid) by the Registrar at 4.30 p.m. on 15/04/2013-in the presence of the tenderers or their authorized representative, if any, who may be present in this office.(4).Earnest money shall be deposited through a Demand Draft in favour of Registrar, Dr. Harisingh Gour Vishwavidyalaya, Sagar (M.P.) and shall be attached with the tender. Tenders without earnest money shall not be considered. (5).The rate should be coated for electrical work on M.P.P.W.D.Electrical S.O.R. 1<sup>st</sup> April, 2008 (as amended up to date) (.6).Tender form and other conditions of the contract can be had from office of the Engineer on payment .This tender notice shall form part of the contract agreement.(7). Tender form will be issued subject to registration of relative Agency under PAN/TIN & valid registration in appropriate class. (8). This tender is also available on the web [www.sagaruniversity.nic.in](http://www.sagaruniversity.nic.in) and [www.dhsgsu.ac.in](http://www.dhsgsu.ac.in) for information only & the contractors will not be permitted to submit tenders on the basis of documents published on the websites. (9.). The tenderer should have minimum experience of Three similar works each costing not less than Rs. **22.58** Lacs or two similar works each costing not less than Rs. **28.22** lacs or one similar work costing not less than Rs. **45.15** Lacs in last 7 years ending 31.03.2013 (Date).

The sealed tender in the prescribed Tender Form should be submitted **in two separate envelopes**, by putting the two in large one envelope, superscribed ``Tender for **Providing & fixing of High Mast Lights & Street lights in the University Campus** `` to the **Registrar Dr. Hari Singh Gour Vishwavidyalay, Sagar** and each envelope shall also be superscribed as **Envelope no.1 and Envelope no.2** respectively alongwith “**Tender for Providing & fixing of High Mast Lights & Street lights in the University Campus**”

**Envelope No.1** shall contain (i) Earnest Money Deposit (ii) certified copy of valid registration (iii) No relationship certificate (iv) Copy of PAN No. (v) Copy of TIN No. (vi) Work certificate issued by Authority not below the rank of Executive Engineer (vii) Financial soundness Certificate (Bank Certificate) **Envelope No.2** shall contain financial bid.

**Registrar**  
**Dr. Hari Singh Gour Vishwavidyalaya,**  
**Sagar (M.P.)**

**Dr. Hari Singh Gour Vishwavidyalaya**  
**NOTICE INVITING TENDER**  
**(NIT No.R/UE/1/2011-12)**

1 Percentage rate tenders are invited on behalf of the President of India from approved and eligible contractors of CPWD. for the work of Providing & fixing of High Mast Lights & Street lights in the University Campus

- 1.1 The work is estimated to cost **Rs. 56, 44,920.00/-** This estimate, however, is given merely as a rough guide.
- 1.1.1 The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the tenders. He will also nominate Division which will deal with all matters relating to the invitation of tenders .For composite tender, besides indicating the combined estimated cost put to tender, should clearly indicate the estimated cost of each component separately. The eligibility of tenderer will correspond to the combined estimated cost of different components put to tender.
- 1.2 The tenders will be issued to eligible contractors provided they produce definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below :-

**Criteria of eligibility for issue of tender documents**

- 1.3 Three similar works each costing not less than Rs. **22.58** Lacs or two similar works each costing not less than Rs. **28.22** lacs or one similar work costing not less than Rs. **45.15** Lacs in last 7 years ending 31.03.2013 (Date) For the purpose of this clause '**Similar Work**' means Street Light work  
 Note: Above condition is applicable (1) for CPWD as well as Non CPWD contractors for works.
- 2 Agreement shall be drawn with the successful tenderer on prescribed CPWD Form No. 7/8, which is available as a Govt. of India Publication Tenderer shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **3 Month** from the date of start as defined in schedule 'F' or from the first date of handing over 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.
5. Applications for issue of forms shall be received Executive Engineer and tender documents shall be issued by Executive Engineer. Alternative tender documents can be downloaded from the web site **www.sagaruniversity.nic.in** and **www.dhgsu.ac.in**  
 Tender documents consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms and conditions of contract to be complied with by the contractor whose tender may be accepted and other necessary documents can be seen in the office of the **Executive Engineer, Dr. Hari Singh Gour Vishwavidyalaya, Sagar** between hours of 11.00 A.M. & 04.30 P.M. from every day except on Sundays and Public Holidays. Tender documents excluding standard form will be issued from his office during the hours specified above on payment of the following:-  
 i).Rs. 1000/- in cash (non-refundable) as cost of tender and  
 ii).Earnest Money of Rs. 112900/-demand draft of a scheduled bank issued in favor of Registrar **Dr. Hari Singh Gour Vishwavidyalaya, Sagar (M.P.)**
6. Tenders submit the qualification application documents (Technical Bid) and the tender (financial bid) in two separate envelop which should always be placed in sealed one envelope, with the name of work and due date submission written on the envelopes, will be received by the **Registrar Dr. Hari Singh Gour Vishwavidyalay, Sagar** up to 4.30 P.M. on 12/04/2013 and will be opened (Technical Bid only) by him or his authorized representative in his office at 4.30PM on 15/04/2013.
7. The contractor whose tender is accepted will be required to furnish performance guarantee of 5% (Five Percent) of the tendered amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10,000/-) or Deposit at call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form.
8. The description of the work is as follows: -**Providing & fixing of High Mast Lights & Street lights in the University Campus** Copies of other drawings and documents pertaining to the works will be open for inspection by the tenderers at the office of the **Executive Engineer, Dr. Hari Singh Gour Vishwavidyalay, Sagar (M.P.)** Tenderers 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 tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent upon any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the

work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

9. The University does not bind himself to accept the lowest or any other tender, and reserves to himself the authority to reject any or all of the tenders received without the assignment of any reason. All tenders in which any of the prescribed conditions is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer, shall be summarily rejected.
10. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
11. The University reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
12. The contractor 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 University Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any officer in the University. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
13. No Engineer of gazetted rank or other Gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India State/University is allowed to work as a contractor for a period of two years after his retirement from Government service, without the previous permission of the Government of India State/University in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India / GNCTD as aforesaid before submission of the tender or engagement in the contractor's service.
14. The tender for the works shall remain open for acceptance for a period of sixty days from the date of opening of tenders. If any tenderer withdraws his tender before 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 department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the retendering process of work.
15. This Notice Inviting Tender shall form a part of the contract document. The successful tenderer / contractor, on acceptance of his tender by the Accepting Authority, shall, **within 10 days** from the stipulated date of start of the work, sign the contract consisting of: -
  - a). The notice inviting tender, all the documents including additional conditions specifications, and drawings if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
  - b). The contract shall be drawn as per General Conditions of Contract for CPWD works 2010 with corrections issued up to date with due modifications to suite to the University. This document is available as a priced publication in the market and University web-site.
16. For Composite Tenders:-
  - 16.1.1. The tenderer must associate with himself agencies of the appropriate class eligible to tender for the other component individually.
  - 16.1.2. It will be obligatory on the part of the tenderer to sign the tender documents for all the components. ( The schedule of quantities, conditions and special conditions etc. ).
  - 16.1.3. After the work is awarded, the contractor will have to enter into separate agreements for each component with the Officer concerned.
  - 16.2. The Registrar will call tenders for the composite work. The cost of tender document and earnest money will be fixed with respect to the combined estimated cost put to tender for the composite tender. Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works. The Earnest Money will become part of the security deposit of the major component of the work.
  - 16.3. On acceptance of the composite tender by the competent authority the letter of award will be issued by the Registrar, making it clear in the letter of award that the contractor will have to execute separate agreements for different component of work with the concerned Officers of the respective discipline (Designation to be given).
  - 16.4. A recovery of 1% (One percent) of total of the work done shall be made from the bill of the contractor on account of worker welfare cess Act of 1996.

**Registrar**  
**Dr. Hari Singh Gour Vishwavidyalaya,**  
**Sagar (M.P.)**

## Dr. Hari Singh Gour Vishwavidyalaya

### Percentage Rate Tender & Contract for Works

(A) **Tender for the work of: Providing & fixing of High Mast Lights & Street lights in the University Campus, Dr. Hari Singh Gour Vishwavidyalaya, Sagar (M.P.)**

- (i) **To be submitted by 4.30 p.m. hours through Registered Post / Speed Post Only on or before 12/04/2013 to Registrar DR. Hari Singh Gour Vishwavidyalaya, Sagar (M.P.)**
- (ii) **To be opened (Technical Bid only) in presence of tenderers who may be present at 4.30 p.m. hours on 15/04/2013 in the office of the Registrar DR. Hari Singh Gour Vishwavidyalaya, Sagar (M.P.)**

Issued to: \_\_\_\_\_

(Contractor)

Signature of officer issuing the documents \_\_\_\_\_

Date of Issue: \_\_\_\_\_

**Executive Engineer  
Engineering Section-2  
Dr. H.S. Gour Vishwavidyalaya  
Sagar (M.P.)**

**T E N D E R**

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 instruction in writing referred to in Rule-1 of General Rule 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 Sixty (60) days from the due date of its opening and not to make any modifications in its terms and conditions.

A sum of **Rs. 112900.00-** has been deposited in Demand Draft of a Scheduled Bank as Earnest Money. If I / We, fail to furnish the prescribed performance guarantee within the prescribed period, I/We agree that the said The University or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I / We fail to commence work, as specified, I/We agree that The 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, upto 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 ad performance guarantee as aforesaid, I/we shall be debased for participation in the retendering process of the work.

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 there from 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.

I/We hereby tender for the execution of the work at the following rate

<b>For electrical work</b>	<b>Percentage above MPPWD SOR 1st April 2008 (as amended up to date)</b>	<b>Percentage below SOR 1st April 2008 (as amended up to date )</b>	<b>At par SOR 1st April 2008 (as amended up to date)</b>

Date ..... :- .....

Witness :- .....

Address :- .....

Occupation :- .....

Signature of Contractor

Postal Address



## A C C E P T A N C E

The above tender is accepted by me for and on behalf of THE DR HARISINGH GOUR VISHWAVIDYALAYA SAGAR M.P @ -----% above /below /at par on MPPWD SOR 1 April 2008 (as amended up to date ) for electrical work

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

- a)
- b)
- c)

REGISTRAR  
FOR AND ON BEHALF OF THE DR HARISINGH GOUR  
VISHWAVIDYALAYA SAGAR M.P.

Signature

Designation

Dated

**DR. HARISINGH GOUR VISHWAVIDYALAYA SAGAR M.P  
CORRIGENDUM TO Form-8 (CPWD)**

<b>S.NO</b>	<b>FOR</b>	<b>READ</b>
1.	Govt. of India	DR HARISINGH GOUR VISHWAVIDYALAYA SAGAR MP
2.	President of India	DR HARISINGH GOUR VISHWAVIDYALAYA SAGAR M.P.
3.	Director General Works	KULPATI DR HARISINGH GOUR VISHWAVIDYALAYA SAGAR
4.	CPWD (Department)	UWD DR HARISINGH GOUR VISHWAVIDYALAYA SAGAR
5	Chief Engineer	B.W.C DR HARISINGH GOUR VISHWAVIDYALAYA SAGAR
6	Superintending Engineer	B.W.C DR HARISINGH GOUR VISHWAVIDYALAYA SAGAR
7	Executive Engineer	EXECUTIVE ENGINEER DR HARISINGH GOUR VISHWAVIDYALAYA SAGAR

**SCHEDULES****SCHEDULE 'A'**

Schedule of quantities (Enclosed): **Page 26 & 27**

**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'****Tool 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/documents for the work, if any. –

-----NIL-----

**SCHEDULE 'E'**

Schedule of component of Cement, Steel, Other Materials, Labour etc. for price escalation.

N.A

**SCHEDULE 'F'****Reference to General Conditions of Contract:-**

(A) Name of work :-	Providing & fixing of High Mast Lights & Street lights in the University Campus
Estimated Cost of work: -	<b>Rs. 5644920.00/-</b>
Earnest Money: -	<b>Rs. 112900.00/-</b>
Performance Guarantee:-	5% of tendered value.
Security Deposit:	5% of tendered value.

**GENERAL RULES & DIRECTIONS****Officer inviting tender****Registrar Dr. H. S. Gour V.V., Sagar (M.P.)**

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

See below

**Definition:**

2(i) Engineer-in-Charge

**Executive Engineer Dr. H. S. Gour V.V., Sagar (M.P.)**

2(viii) Accepting Authority

**KULPATI, Dr. H. S. Gour V.V., Sagar (M.P.)**

2(x) Percentage on cost of material

and labour to cover all overheads and profits.

15%

2(xi) Standard Schedule of Rates

**SOR 1 April, 2008 of M.P.PWD Electrical as amended up to date.**

2(xii) Department

**UWD, Dr. Hari Singh Gour Vishwavidyalaya, Sagar (M.P.)**

Standard CPWD contract Form

CPWD form 7/8 (Print edition 2007) corrected upto the date and due modifications to suit the University till date of receipt of tender.

**Clause 1**

- i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance. **7 days**
- ii) Maximum allowable extension beyond the period as provided In i) above. **3 days**

**Clause 2** Authority for fixing compensation Under clause 2 **Executive Engineer or any Other Person/ committee authorized to do so**

**Clause 2 A** Whether clause 2A shall be applicable **No**

**Clause 5**

- i) Number of days from the date of issue of letter of acceptance for Reckoning date of start. 10 to 15 days or as decided by Engineer in charge

Miles Stones : As per table given below :

**TABLE OF MILE STONES (S)**

S. No.	Description of Milestone (Physical)	Time Allowed in days (from date of start)	Amount to be with-held in case of non achievement of milestone.
Nil	Nil	Nil	Nil

- ii) Time allowed for execution of work **Three Month**  
 Authority to give fair and reasonable extension of time for completion of work **Executive Engineer or any other person/ committee authorized to do so**

**Clause 6, 6A**

Clause applicable – (6 or 6A). **Clause-6**

**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. **not below Rs 50000 /or as decided by EE**

**Clause 10 A**

**List of testing equipment to be provided by the contractor as site lab.**

As and when required as per CPWD norms

- 1. .... 2. ....
- 3. .... 4. ....

**Clause 10 CC** Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column **18 months**

**Clause 11**

Specifications to be followed for execution of work **CPWD specification 2009 Vol I & II**

**Clause 12**

12.2 & 12.3 Deviation Limit beyond which  
Clauses 12.2 & 12.3 shall  
apply for Building work

\_\_\_\_\_ **30%** \_\_\_\_\_

12.5 Deviation Limit beyond which  
Clauses 12.2 & 12.3 shall  
apply for Foundation work

\_\_\_\_\_ **100%** \_\_\_\_\_

**Clause 16**

Competent Authority for  
deciding reduced rates.

**Engineer In charge**  
or equivalent officer in charge of work.

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

(As and when required as per cpwd norms) As per the requirement of work.

- .
1. ....Nil..... 2. ....Nil.....  
3. ....Nil..... 4. ....Nil.....

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

Sl. No.	Minimum Qualification for principal of Technical Representative & No. required.		Minimum Experience		Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i)	
	(I) More than Rs. 10 Lac (Graduate or retired AE possessing) No.	(II) More than Rs. 5 Lac (Recognized Diploma holder). No.	(Graduate or retired AE possessing)	(Recognized Diploma holder).	Graduate or retired AE possessing	(Diploma holder)
1.	One	One	-----	3 Years	15000/-	10000/-

Assistant Engineers retired from Government services those are holding Diploma will be treated at part with graduate Engineers.

**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.
- ii) Variations permissible on theoretical quantities.
- a) Cement for works with estimated cost put to tender not more than Rs. 5 lakhs. 3% plus / minus
- for works with estimate cost put to tender more than Rs. 5 lakhs. 2% Plus/Minus
- b) Bitumen for all works. 2.5% plus only & nil on minus side.
- c) Steel Reinforcement and structural steel sections for each diameter, section and category. 2% plus / minus
- d) All other materials. NIL

**RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION**

Sl. No.	Description of item	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	NIL	NIL
2.	Steel reinforcement	NIL	NIL
3.	Structural Sections	NIL	NIL
4.	Bitumen issued free	NIL	NIL
5.	Bitumen issued at stipulated fixed Price	NIL	NIL

**Executive Engineer  
I/C, ENGINEERING SECTION-2  
Dr. H.S.G. V.V., Sagar (M.P.)**

**ADDITIONAL CONDITIONS**

**1** In case of any variation between different applicable terms and conditions, the following order of precedence shall be followed:-

- (i) Nomenclature of Item
- (ii) Additional Conditions
- (iii) CPWD-7/8
- (iv) General Conditions of Contract

**2.** Any change in Bid after opening of tender will not be allowed.

**3** Before tendering, the tenderer shall inspect the site of work and shall fully acquaint himself about the Conditions with regard to site, nature of soil, availability of materials, suitable location for construction of godowns, stores and labour huts, the extent of leads and lifts involved in the work over the entire duration of contract including local conditions, traffic restrictions, obstructions, and other conditions and restrictions by the administrative authorities, and such other factors as may be required for satisfactory execution of the work. He should take into consideration all such factors and contingencies while quoting his rates. No claim whatsoever shall be entertained by the Department on this account.

**4.** The contractor must study the specifications and conditions carefully before tendering.

**5** The contractor shall submit the programme of execution of work within a week after taking over of the site and get it approved from the Engineer-in-Charge and strictly adhere to the same for timely completion of the work.

**6.** The contractor shall have to make approaches to the site, if so required, and keep them in good condition for transportation of labour and materials as well as inspection of works by the Engineer-in-Charge. Nothing extra shall be paid on this account.

**7.** The work shall be carried out in such a manner so as not to interfere or effect or disturb other works being executed by other agencies, if any.

**8.** Any damage done by the contractor to any existing work shall be made good by him at his own cost, failing

which the same shall be got done at his risk and cost.

9. The work shall be carried out in a manner complying in all respects with the requirement of relevant bye-laws of the local bodies under the jurisdiction of which the work is to be executed and nothing extra shall be paid on this account.

10. For completing the work in time, the contractor might be required to work in two or more shifts including Night shifts and no claims whatsoever shall be entertained on this account, notwithstanding the fact that the contractor will have to pay extra amount to the labourers and other staff engaged directly or indirectly on the work according to the provisions of the labour regulation and/or for any other reason.

11. The contractor shall make his own arrangements for obtaining electric and water connections, if required, and make necessary payments directly to the authority concerned. The department will, however, make reasonable recommendations to the authority concerned in this regard. (The department will, however, make water arrangements, one percent amount shall be deducted as water charge from bills to be paid to the contractor

12. The contractor or his authorized representative should always be available at the site of work to take instructions from departmental officers, and ensure proper execution of work. No work should be done in the absence of such authorized representative.

13. No payment will be made to the contractor for damage caused by rains, or other natural calamities during the execution of the work and no such claim on this account will be entertained.

14. Royalty at the prevalent rates and all other incidental expenditure shall have to be paid by the contractor on the boulders, stone aggregate, shingle, earth, sand, bajri etc. collected by him for the execution of the work direct to the concerned Revenue Authority of the State or Central Govt. His rates are deemed to include all such expenditure and nothing extra shall be paid.

15. The malba/garbage removed from the site shall be disposed of by the contractor at any other suitable place as directed by the Engineer-in-Charge.

16. The contractor shall construct suitable godown at the site of work for storing the materials safe against damage due to sun, rain, dampness, fire, theft etc. He shall also employ necessary watch and ward establishment for the purpose and no extra claim whatsoever shall be entertained on this account.

17 The contractor shall bear all incidental charges for cartage, storage and safe custody of materials issued to him by the department.

18. Contractor will quote amount including all other taxes such as service tax etc. and nothing extra shall paid on account of taxes.

19 Apart from above, all the amendments in the "General Condition of Contract for CPWD Works" issued upto the date of opening of tenders shall be applicable.

20. In partial rectification the following may be read as

( i) Bricks of class designation 75 may be read as class designation 35(ii) Jamuna sand read as stone dust (iii)

Secondary steel namely; Kamdhenu, Goyal, Hariom may be used in place of primary steel, however with the prior approval of the Engineer in charge

EXECUTIVE ENGINEER  
I/C, ENGINEERING SECTION-2  
Dr. H.S.G. V.V., Sagar (M.P.)



**QUALIFICATION INFORMATION**

**LETTER OF TRANSMITTAL**

To  
**The Registrar**  
**Dr. Hari Singh Gour Vishwavidyalaya,**  
**Sagar (M.P.)-470003**

Sub:- **Providing & fixing of High Mast Lights & Street lights in the University Campus** Dr. Hari Singh Gour  
Vishwavidyalaya, Sagar (M.P.)-470003

Sir,

Having examined the details given in notice inviting qualification application and tender and the qualification documents for the above work, I/ We here by submit the qualification application documents ( Technical Bid) and the tender(financial bid) for the work duly filled.

1. I / We here by certify that all the statement made and information supplied in the enclosed forms and accompanying statements are true and correct.
2. I / We have furnished all information and details necessary for deciding for deciding our eligibility to be qualified for taking part in the tendering process for the work. . We have no further information to supply.
3. I / We submit the requisite solvency certificate and authorize the Registrar Dr. Hari Singh Gour Vishwavidyalaya Sager or His representative to approach the bank concerned to confirm the correctness of the certificate. I / We also authorize the Registrar to approach individuals, firms and corporations to verify our competence and general reputation.
4. I / We submit the following certificates in support of our suitability, technical know how and capability for having successfully completed following works.

**Name of work**

**Certificate from**

I am / We are aware that the tender documents (Financial bid) will not be opened if I am / We are not qualified to take part in the tendering process.

Seal of the Applicant

Date of submission

Signature(s) of the applicants

**FORM 'A'**  
**FINANCIAL INFORMATION**

I Financial Analysis –

Details to be furnished duly supported by figures in Balance Sheet / Profit and 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).

SI No	Details	Year ending 31 st March of				
		2008	2009	2010	2011	2012
1	Gross annual turnover in construction work					
2	Profit (+) / Loss (-)					

II Financial arrangement for carrying out the proposed work.

III. Income Tax PAN details

IV. Solvency certificate from Bankers of Applicant.

SIGNATURE OF C.A.

SIGNATURE OF APPLICANT (S)

## FORM 'B'

**DETAILS OF ALL WORKS OF SIMILAR NATURE COMPLETED DURING THE LAST FIVE YEARS  
ENDING BY 31<sup>st</sup> MARCH 2012.**

SL No.	Name of work/project & location	Owner or sponsoring organizations	Agreement No.	Scope of work *	Cost of work in Crores	Date commencement as per contract	Stipulated Date of completion	Actual date of completion	Litigation/Arbitration pending/In progress with details **	Name and address/Tel No. of Officer to whom reference may be made	Remarks
1	2	3	4	5	6	7	8	9	10	11	12

\*indicate Number of stories in super structure.

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

Signature of Applicant (s)

In case of works carried out for private persons/ Organizations copies TDS certificate along with copy of work order / Agreement should be enclosed. Private works with out TDS certificates shall not be considered for valuation.

**PERFORMANCE REPORT FOR WORKS REFERRED TO IN FORM 'B' & 'C'**

1. Name of the work / Project & Location.
2. Scope of work.
3. Agreement No.
4. Estimated Cost
5. Tendered Cost
6. Value of work done
7. Date of Start
8. Date of completion
  - a. Stipulated date of completion.
  - b. Actual date of completion.
9. Amount of compensation levied for delayed Completion if any.
10. Performance report based on Quality of Work, Time Management, and Resourcefulness : Very Good / Good / Fair

DATE

**EXECUTIVE ENGINEER /  
PROJECT MANAGER OR  
EQUIVALENT**

[Type text]

**STRUCTURE AND ORGANISATION**

1. Name and address of the applicant
2. Telephone No./Fax No/Email address.
3. Legal Status (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)
  - a) Registration Number.
  - b) Organization / Place of registration
5. Names and Titles of Directors and officers with designation to be concerned with this work with Designation of individuals authorized to act for the organization.
6. Was the applicant ever required to suspend construction for a period of more than six months continuously after the construction was commenced?  
If so, give the name of the project and give reasons thereof.
7. Has the applicant or any constituent partner in case of partnership firm, ever abandoned the awarded work before its completion?  
If so, give the name of the project and give reasons thereof.
8. Has the applicant or any constituent partner in case of partnership firm, ever been debarred / black listed for tendering in any organization at any time? If so, give details:
9. Has the applicant or any constituent partner in case of partnership firm, ever been convicted by a court of law? If so, give details.
10. In which field of Civil Engineering Construction, specialization and interest is ?
11. Any other information considered necessary but not included above.

**SIGNATURE OF APPLICANT(S)**

# **ADDITIONAL TERMS AND CONDITIONS**

## **1. Introduction**

- 1.1 The system of wiring to be followed for the job shall be recessed conduit wiring. The word 'surface' wherever specified in the subhead-I wiring is therefore withdrawn.
- 1.2 Any damage done due to man, machine and building during the execution of work shall be the responsibility of the contractor and same will have to be made good promptly by the contractor at his own cost to the entire satisfaction of the Engineer-in-Charge.
- 1.3 The electrical work shall be executed in close coordination manner with client department. No claim for idle labor will be admissible.

## **2. Watch and Ward :-**

Watch and Ward for the installations, materials, including materials supplied by the department shall be responsibility of the contractor till the installation / left over material are finally taken over by the department. Nothing shall be payable on this account separately as this deemed to be included within scope of work.

## **3. Completeness of Tender:-**

- 3.1 Statutory deduction of "Contract Tax" at source shall be made while releasing payment through running/ final bills. A certificate specifying the rate and amount of deduction shall however be issued.
- 3.2 No. form 'D', form 31/32 (Road Permit) shall be issued by the department.

## **4. Conformity to specification:-**

- 4.1 The work shall carried out strictly in accordance with C.P.W.D. specification for electrical work 2005 (Internal) and 1995 (External) as amended upto date and also accordance with the Indian Electricity rules and Indian Electricity Act. As amended upto date and as per instructions of the Engineer-in-Charge.
- 4.2 All accessories like switches, sockets, ceiling rose, batten holders etc. shall be ISI marked.
- 4.3 Contractor shall have to prove bonafides of the make of materials by producing necessary documentary evidence. Firms are advised accordingly to obtain prior approval of the Engineer-in-Charge for proposed make of materials before bringing materials to the site of work.
- 4.4 Phenolic laminated sheet shall be ISI mark of only Hylam of Hyderabad Laminations or for mica make only. Covers for adopter box and function box shall also be of white phenolic laminated sheet except loose wire box.
- 4.5 All MCB's in an installations shall be same make. Mixing of different makes shall not be permitted.
- 4.6 All the fans/Luminaries Fittings/Call bells shall be earthed.
- 4.7 All MCCBs having ICs+100% 1 Cu should be thermal magnetic type with overload adjustment of 80% -100%.
- 4.8 MCBs and Isolators shall be rated at least for 100 KA Breaking Capacity.
- 4.9 All Ceiling Fans shall have double ball bearings.
- 4.10 The following are the acceptable make of materials as indicated against individual item.

S.No.	Item	Acceptable Make
1.	Multi stranded PVC insulated copper wire 650 FR Gr.	Finolex/ Havell's/ L&T/ Anchor.
2.	MCCB/ Switch Gear	L& T / Siemens/ GE/ Moeller/ABB/ Scheneider Electric/ Legrand (MDS)
3.	MCB/ MCB DB loose wire box	L& T (Hager) / Siemens/ Scheneider Electric/ ABB/ Legrand (MDS)
4.	Steel conduit	BEC/ AKG/ NIC
5.	GI Pipe	TATA/ Prakash Surya/ Jindal.
6.	Industrial Socket	MDS/ L&T/ Siemens/ Scheneider Electric
7.	Ceiling Rose	Anchor/ Vinay Clair/ Polo Rider/North west (ISI Marked)
8.	Call Bell Buzzer	Anchor/ Vinay Clair/ Polo Rider/North west
9.	Brass batten/ Angle Holder	Anchor/ Vinay Clair/ Polo Rider/North west/ Kinjal/ Antex
10.	Modular 6/16 Amp. Switch/ socket/ Blanking Plate/ Metal Switch Box/ Front Plates, Telephone, T.V. Outlets Socket / Fan Regulator.	Havell's (Crabtree) Piccadilly/ ABB Classic plus/ Legrand-Mosaic/ Anchor Wood/ MK (Wrap round).
11.	Piano Type 6/16 Amp Switch/ Socket	ISI marked
12.	Phenolic Sheet	Formica / Hylem
13.	Co-axial Wire(TV)	Anchor/ Finolex/ Havells/ Delton
14.	CFL Lamps/4-40 W F1. Tube	Osram/ GE/ Philips/ Crompton/ Bajaj/ Wipro
15.	Fluorescent / CFL Fitting	Philips/ Crompton/ Bajaj/ Wipro
16.	Ceiling Fans (ISI Marked) with double ball bearing and regulator	Usha/ Crompton/ Bajaj/ Orient/ Khaitan.
17.	Exhaust fan with louvers and shutters (Copper wound)	GEC/ Crompton/ Bajaj/ Khaitan/ Usha/ Orient
18.	1.1 KV Grade PVC insulated PVC sheathed armoured Cable	Grandley/ Universal Cable/ Finolex / Siemens/ Cable Corporation of India

#### **5. Facilities to the Contractor :-**

- 5.1 Contractor shall make his own arrangement for water and electricity.
- 5.2 Contractor shall have to make his own arrangement for storage place.

#### **6. Inspection and Testing:-**

- 6.1 The contractor shall dispatch the equipment / components in consultation with Engineer-in-Charge. The contractor shall provide all necessary facilities for inspection of equipment at manufactures work before dispatch.
- 6.2 On completion of work the contractor shall arrange for insulation and earth continuity test as per IE rules in the presence of the Engineer-in-Charge or his representative and shall submit the test report in triplicate

#### **7. Date of acceptance of the installation:-**

- 7.1 After the Engineer-in-Charge is satisfied that the installation complies with requirements of specifications report in all respect.
- 7.2 The entire installation shall be at the risk and responsibility of the contractor until these are tested and handed over to the department. However, if there is any delay from the department side, the installation may be taken over in parts but the decision on the same shall be binding on the contractor.
- 7.3 Contractor or his authorized representative is bound to sign the site order book as and when required by the Engineer-in-Charge.
- 7.4 The contractor shall remain responsible for attending complaints free of cost for the minimum period of six month for the satisfactory performance of installation against the schedule work done.

SPECIAL CONDITIONS FOR ELECTRICAL WORKS FOR  
COMPOSITE TENDERS

1. Main contractor shall have to associate an CPWD Registered electrical contractor of appropriate class and category of CPWD for the electrical works for the purpose of submitting technical/commercial price bid and execution of job as part of the composite contract.
2. In case the main contractor is himself eligible for sale of tender for the specific electrical component and intends doing the job himself, he may not associate agency for the specific electrical component.
3. Main agency shall have to submit credential of the proposed associated agencies for verification and approval of the department in Performa at Annexure I. The consent letter of such selected agencies for association shall also be enclosed in the prescribed format (Annexure-II). Main agency may propose upto three names of eligible associates. Such proposal shall be submitted In Division office within 15 days from award of work.
4. After obtaining concurrence of Executive Engineer (E) Bhopal for such association, the main agency shall finalize one associate for execution of the electrical component of the work.
5. All technical discussions shall be attended by the associate agency and the main agency. Commercial/ Technical submissions for the electrical works shall be signed and submitted by the associate agency along with the main agency.
6. Price-bid for electrical component shall be submitted by the main agency.
7. Award of work shall be made by the Engineer-in-Charge of the major component to the main agency for complete work.
8. Running payments shall be made by the Executive Engineer (E) in charge of the work to the main contractor. Main contractor shall ensure that payments for electrical woks are made to the associate electrical agency within 15 days of receipt of each running account payment Non-compliance of above shall invite appropriate action. In absence of reasonable cause of delay in payment, the Engineer-in Charge shall make payment directly to the associate electrical contractor. Such payments will be recovered from the main agency in next running account bill/final bill of Minor/Major component. The main agency has to submit sufficient documents & proof for payment for electrical works to Associated electrical to the satisfaction of Executive Engineer of respective Miner component i.e. Executive Engineer U.W.D..
9. Main contractor has to enter in agreement with has associate electrical contractor for the complete electrical work contained in part A & C of the agreement. Copy of such agreement shall be supplied to the Executive Engineer in charge of the electrical work as well as the Executive Engineer in charge of major component within one month of the award of work or date of start of electrical works whichever is earlier. The agreement shall clearly depict rates of each item of work mutually agreed upon by the main contractor and associate electrical agency.
10. The main contractor shall be entirely responsible and answerable for all the works done by his associated electrical contractor regarding their quality, adherence to the laid down specification, terms and conditions, warranty/ guarantee etc and he shall be liable to bear any compensation that may be levied by the department under any of the clauses of the agreement.
11. The manufacturer's guarantee/ warrantee for all the electrical accessories shall be for minimum period of 12 months from the date of taking over of the installation by the department. Necessary documents of handing/ taking over of the installation will be duly signed by the three parties namely EE the main contractor and the associate contractor. The main contractor will ensure that the maintenance during the guarantee period shall also be out by the associate electrical contractor.



12. The main contractor shall also give necessary general power of attorney under the contract to the associated electrical contractor to enable him to receive instructions from electrical engineers of the department at site sign the order book, bills MBs for acceptance of measurement and receive stipulated materials etc.
13. In case the main contractor wants to change the associate electrical contractor during the currency of the contract he shall obtain prior permission of the Executive Engineer U.W.D.
14. In the event of the concerned electrical associate not performing satisfactory or not completing the work, the department can also direct the main contractor to remove the electrical contractor deployed on the work and ask him to deploy another associate contractor who fulfills the eligibility conditions. The new associate contractor will be bound to execute the left over work without any loss of time or variation in cost to the department. Such associate shall also submit its details as per clause-2 above and after approval of the Engineer-in Charge shall enter into a memorandum of understanding as in earlier case.
15. The main contractor shall be responsible for coordinating the activities of all the works and will ensure progress of all works as per the laid down program me. The main contractor shall also arrange for proper storage of the electrical accessories at site and will be responsible for their watch and ward.
16. The contractor will be supplied the Inventory & general layout drawing of the electrical work. The contractor has to prepared the detail conduiting layout & drawing & get it approved before execution of the work.
17. The contractor has to submit completion plan as per CPWD Specification for electrical work internal 2005.

# Doctor Hari Singh Gour Vishwavidyalaya, Sagar

## SCHEDULE OF WORK

**Name of Work: - Providing & fixing of High Mast Lights & Street lights in the University Campus**

S. No.	S.O.R P.No. & Item No.	Description of Item	Unit	Quantity
	26.21	Supplying, Fixing and Testing of MH lamp Single ended type ISI marked of approved make as required as per specification		
1	26.21.3	250 Watt	Each	280
	26.50	Supplying, fixing & testing of approved make H.D. asymmetrical beam flood light fitting suitable for tubular single lamp consisting of cast aluminium housing 'ALGLAS coated aluminium faceted reflector assly toughned glass cover, mounting bracket and aiming disc, seperate control gear box required for HPSV/M.H. Lamp (without lamp) including fixing & connection as required in position with all necessary material required		
2	26.50.1	250 watt S.V. Lamp/Metal Halide with control gear box.	Each	280
	33.1	Supply of XLPE Insulated power cable (conforming IS-7098 ) 1100 Volt grade/Heavy duty power cable conforming to IS 1554-1100 Volts grade , 2 core /3½ core/4 coreISI MARKED with Alu. Stranded /solid conductor		
	33.1.2	ARMOURED 2 Core		
3	33.1.2.1	2.5 Sq.mm.(Heavy Duty)	Mtr.	2520
	33.1.8	ARMOURED 4 Core		
4	33.1.8.2	10 Sq.mm.(XLPE)	Mtr.	950
	<b>33.13.21</b>	Laying of underground cable armoured./ unarmoured as per specification in air with approved type of iron clamps complete.		
5	<b>33.13.21.1</b>	2 / 3 / 4 Core cable upto 16 Sq.mm	Mtr.	950
6	34.50	Supplying and fixing of 20mm dia. G.I. pipe A class 3 mtrs. in length for street light water tight bracket including bending to shape and wiring with 1.5sqmm W.P./PVC wire alongwith water proof controlling switch etc. as required.	Each	280
7	34.90	Providing and erecting 12mt High Mast Lighting sytem with 6 No.Metal hallide flood light fitting 250 Watt each complete with control gear with integral Power tool, weight 340 kg. comprising of 1 section of hot dipped galvanized materials as per BSEN ISO 1461 thickness 3 mm, dia 100mm & 360mm for top and bottom respectively, stress fitting arrangement on site with 350mm overlap dynamic loading to withstand max wind pressure as per -IS 875 part III, parameters for structural & foundation design must be taken from Wind Tunnel test. Lightning protection of GI single spike 800mm at top and at base inside compartment with double internal lock with adequate size of MCB erected on PVC board complete with base plate of 25mm thick 520mm dia. and foundation bolts having 4 nos. bolts of 24mm dia (6.8E grade) Anchor plate 445 PCD, including accessories viz.	Each	14

		(1) Lantern carriage of 50 NB ERW class-B,PI pipe covered with PVC sleeve suitable to carry 250kg. load and upto 6 fittings symmetrically.(2) Trailing Copper cable 5x2.5 sq.mm, EPR insulated PCP Sheatehed (3) Double Drum Winch having gear 53:1, oil bath (SAE90/140) arrangement (4)2 nos. Stainless steel wire ropes 5mm dia (7/19) breaking load capacity 1600 kg.x2,(5) Integral power tool 3-phase, 1HP 2m/min single speed. (6) Feeder pillar fabricated out of 14 SWG CRCA sheet and comprise of incoming 32 A TPN switch, HRC fuses, single dial timer,suitable size of contactors for lighting and power tool, 2 nos. outgoing, reversing switch for motor.		
8	34.94	Designing & casting of Open raft shallow footing foundation with M-20 cement concrete suitable for 12mtrs. High Mast considering the safe soil bearing cacapcity at site as 10 T/sqm at 2mtrs. Depth including excavation, foundation nut bolts in an approved manner.	Each	14

Total-----

Value in Figure .....

Value in word .....

Signature of Contractor

Signature & Name of witness

Name .....

.....

Address .....

.....

.....

Phone/mobile no.....

EXECUTIVE ENGINEER  
I/C, ENGINEERING SECTION-2  
Dr. H.S.G. V.V.,Sagar (M.P.)