

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



Tender

For

Internal Electrical installation work at Gour Bhawan

March 2013

N.I.T. No. R/ES-2/16/Tender/2012-13

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

Date & Time of opening of tender 15/04/2013 at 4.30pm

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NAME OF WORK: Internal Electrical installation work at Gour Bhawan

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This NIT contains
27 (Twenty Seven)
pages only

Executive Engineer
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 2012 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.)

DOCTOR HARISINGH GOUR VISHWAVIDYALAYA, SAGAR
A CENTRAL UNIVERSITY

N.I.T. No. R/ES-2/16/Tender/2012-13

Dated 22/03/2013.

NOTICE INVITING TENDER

On behalf of the Dr. Harisingh Gour Vishwavidyalaya, Sagar Sealed item rate tenders are invited from appropriate class contractors who are empanelled in Dr. Harisingh Gour Vishwavidyalaya, Sagar only, for following work through Registered post/ Speed Post only:-

S.No.	Description of Work	Approximate Cost in Rs.	Earnest Money in Rs.	Cost of tender form	Last date of submission of Application for issue of NIT	Last date of issue of tender form	Last date of submission of tender form
01.	Internal Electrical installation work at Gour Bhawan	7,05,293.00	14,106.00	500.00	30/03/2013	04/04/2013	12/04/2013

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.

(1).Tenders should be submitted in sealed envelope duly marked as Tender for 'Internal Electrical installation work at Gour Bhawan'. 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).Tender received after due date & time shall not be considered.(3).Tenders received will be opened 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).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.(6).This NIT is also available on university web site www.dhsgu.ac.in

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

Dr. Hari Singh Gour Vishwavidyalaya

Item Rate Tender & Contract for Works

(A) Tender for the work of: **Internal Electrical installation work at Gour Bhawan, 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 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: _____

Registrar
Dr. Hari Singh 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. 14,106.00-** 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 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.

Internal Electrical installation work at Gour Bhawan	As Per Attached Sheet
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Date :-

Witness :-

Address :-

Occupation :-

Signature of Contractor
Postal Address

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for a sum of Rs. _____ (Rupees _____)

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

- a)
- b)
- c)

Date

Signature _____

Designation _____

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

S.NO	FOR	READ
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 24 &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 :- **Internal Electrical installation work at Gour Bhawan**

Estimated Cost of work: -	Rs. 7,05,293.00/-
Earnest Money: -	Rs. 14,106.00/-
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:- Internal Electrical installation work at Gour Bhawan 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 31st 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/Teel 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 without 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**

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 installation 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 an 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 compiles 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 works 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 (Elect) BCED CPWD Bhopal.
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 (Elect.) 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(E) 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 (E) BCED, Bhopal.
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.

SIGNATURE OF APPLICANT(S)

Doctor Hari Singh Gour Vishwavidyalaya, Sagar

SCHEDULE OF WORK

Name of Work: - Electric installation work required for Gaur Bahwan

S.No.	Description of Item	Unit	Qty.	Rate (Rs)	Amount
	Point wiring (excluding metallic switch box & sheet but including switches, sockets, lamp holders/ceiling roses etc) with 1.5 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in concealed rigid P.V.C. conduit (HMS) ISI Marked of suitable size and 1.5 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside conduit including painting etc. as required as per specification for :-			Using Modular Accessories	
	<u>Light Point/Fan Points.</u>				
1	a) Short point	Each	36		
2	b) Medium point	Each	55		
3	c) Long point	Each	45		
	Point wiring (excluding metallic switch box & sheet but including switches, sockets) for 3 pin 6 Amp. Socket outlet point with 1.5 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in concealed rigid P.V.C. conduit (HMS) ISI marked of suitable size and 1.5 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside conduit with required materials as per specification on same board.	Each	48		
	Wiring for circuit wiring with PVC insulated cable FR with copper multi strand conductor ISI marked in concealed rigid P.V.C. conduit (HMS) of ISI marked suitable size including painting etc. as required as per specification				
4	a) 2x2.5 Sq.mm.	Meter	150		
5	b) 4x2.5 Sq.mm.	Meter	160		
6	c) 6x2.5 Sq.mm.	Meter	180		
7	d) 8x2.5 Sq.mm.	Meter	170		
	Point wiring (excluding metallic switch box & sheet) for 3 Pin 16 Amp. Socket Outlet Point With 4 Sq. mm. PVC insulated cable FR with copper multi strand conductor ISI marked in Concealed rigid P.V.C. Conduit (HMS) ISI Marked of suitable size including painting etc. with 16 Amp. F.T. Switch & Socket / S.S. Combined 16 Amp. of ISI Marked and 4 Sq. mm. PVC insulated copper earth continuity conductor of green colour inside conduit as per specification for :-				
	On Separate Board				
8	C. Long Point	Each	9		
9	D. Extra Long -I	Each	7		
10	E. Extra Long -II	Each	17		
11	F. Extra Long -III	Each	9		
12	Same board socket 16 Amp	Each	32		
	Supplying and fixing of approved make modular type metal box with modular frame/ base plate and cover plate including fixing in concealed / surface excluding switch, socket etc. as required for:-				
13	1 Or 2 Module	Each	5		
14	3 Module	Each	6		
15	4 Module	Each	8		
16	6 Module	Each	12		

17	8 Module	Each	10		
18	12 Module	Each	32		
	Supplying and fixing of approved make modular type P.V.C. box with modular base and cover plate including fixing on surface excluding switch, socket etc. as required for:-				
19	1 OR 2 Module	Each	5		
20	3 Module	Each	6		
21	4 Module	Each	8		
22	6 Module	Each	12		
23	8 Module	Each	10		
24	12 Module	Each	32		
	Supplying of ISI Marked and accepted standard of Miniature Circuit Breaker (MCB) of 'C' series suitable for 240/415 Volts, 50 Cycle, 10 kA Value AC supply confirming to IS : 8828 : 1996, IEC : 60898 :2002 but without enclosures :-				
	SINGLE POLE (SP)				
25	6 Amp to 32 Amp Rating	Each	70		
	Supplying of MCB Isolators suitable for 240/415 Volts, 50 Hz AC supply with KA value rating 10 kA of approved make confirming to IS :13947-Part III : 1993 & IEC :60947- 3:2001 (without enclosures) :-				
	FOUR POLE				
26	40 Amps.	Each	2		
27	63 Amps.	Each	4		
	Supplying of approved make TPN MCB DB Metal Double Door with provision for FP MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoing inclusive of Busbar, Neutral bar, Earth bar & two earth terminals etc. complete as per IS:13032(exclusive of MCB & isolator):				
28	6 way (8+18)	Each	6		
	Supplying & fixing of approved make Industrial type metal plug & socket DBs (without MCB) SPN sheet encloser (dust protected) inclusive of 2 pole and earth metal plug and socket and space to incorporate SP MCB complete as per specification as required.				
29	20 Amps	Each	16		
	Supplying,Fixing and Testing of Compact Fluorescent Lamp (CFL) with inbuilt electronic ballast ISI marked of approved make as required as per specification				
30	5 Watt	Each	6		
31	11 Watt	Each	6		
32	20 Watt	Each	6		
	Suppling and fixing of approved make step type Modular electronic, Fan regulator including connection etc. as required on existing board				
33	450 Watt	Each	21		
	Supplying, erection and testing of approved make electric Ceiling fan of double ball bearing complete with standard down rod, canopy, hanging shackle, Aluminium blades, without regulator, A.C. 230-250 volts including connections with all necessary material complete as required confirming to IS :374/1979 with upto date ammendments.				
34	Ceiling Fan (Energy Saver 60 W)-1400 mm Sweep	Each	21		

	Supplying, erection and testing of approved make Wall Mounting fan complete with Wall Bracket ,canopy, blades, speed Regulator etc .A.C 230-250 volts with connections and including raw bolt/Anchor hole fastener etc. complete finished and as required.				
35	400 sweep	Each	5		
	Supplying, erecting and testing of approved make Exhaust Fan heavy duty with mounting frame, blades AC 230-250 complete connection and including, frame bolt/ Anchor hole fastners etc. complete finished and as required.				
36	300mm sweep 900 RPM	Each	4		
	Supplying, fixing & testing of approved make of T- 5 lamp channel luminaire with plastic extruded housing with in-built electronic control gear with decorative end caps with necessary materials connection etc. complete as required (with lamp)				
37	T - 5 Lamp 1 X 28 watt	Each	47		
38	Earthing with G.I. Earth plate 600mm X 600mm X 6mm thick including accessories and providing masonry encloser in cement mortar, cover plate having locking arrangment on the top and G.I. watering pipe 20mm dia 2.7 Metre long etc. (but without charcoal or coke and salt) complete as required.	Each	2		
39	Supplying and laying 25mm X 5mm G.I. strip at 0.5 Metre below ground level as strip earth electrode including soldering etc. as required.	meter	50		
	Providing and laying earth continuity conductor including fixing with copper clamps and other necessary materials as per specification along the run of conduit.				
	Aluminium Earth Continuity Conductor :-				
40	10 Sq mm.	Meter	200		
	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				
	ARMOURED 3½ CORE				
41	25 Sq.mm(XLPE)	Meter	100		
42	50 Sq.mm(XLPE)	Meter	80		
	Supplying and fixing cramping type Alum. lugs as per I.S.S. Specification suitable for following size of cable with Alu. /Copper solid/stranded conductor evently cramped with high/pressure tool and connected to switch gear/Bus/M.C.C.B./ M.C.B. etc. as required complete .For Conductor Size-				
43	6mm to 16 Sq.mm	Each	35		
44	25 Sq.mm	Each	20		
45	50 Sq.mm	Each	16		
	Laying of underground cable armoured./ unarmoured as per specification in air with approved type of iron clamps complete.				
46	3 / 3½ / 4 Core cable 25 Sq.mm to 120 Sq.mm	Meter	180		
	Supplying of ISI Marked Switch Disconnecter Fuse (SDF), in sheet steel enclosure (Panel mounting cubicle type) confirming to IS:13947 (part I & III) 3 pole and neutral , AC -23A ,50 Hz , 415 Volt with 3 HBC fuses complete.				
47	200 Amps				

	Supplying of metal clad ISI Marked busbar chamber made of heavy gauge iron sheet complete with copper strip and busbar supports as per specification confirming to IS -4064				
48	200 AMP 440/500 VOLTS, 4 way				
49	Fabrication, supplying, erection, testing and commissioning of cubical type LT panel board, compartmentalized of size not less than 1500mm x1500mmx 350 mm made out of 14 SWG MS sheet with hinged doors, rubber gaskets locking arrangement, powder coated after chemically treating the metal surface with 7 tank process including supplying and fixing the following switch gear, connections, interconnections, testing and commissioning Complete as required.				
	a).160 Amps, Ics=36 KA, Four Pole MCCB 2 Nos (INCOMER)				
	b). 63 Amps, Ics=18 KA,FP MCCB 6 Nos (OUT GOINGS)				
	c). 4 Pole 160 Amps, On load Changeover Switch 1 Nos				
	c) 160 A 4 strip Aluminium bus bar - 1 Set				
	d). Voltmeter, Ammeter with selector switch suitable ratio CTs and protection fuses -1 set				
	e). LED Indicating lamps -1 set	Job.	1		
50	Fabrication, supplying, erection, testing and commissioning of cubical type LT panel board, compartmentalized of size not less than 1500mm x1250mmx 350mm made out of 14SWG MS sheet with hinged doors, rubber gaskets locking arrangement, powder coated after chemically treating the metal surface with 7 tank process including supplying and fixing the following switch gear, connections, interconnections, testing and commissioning Complete as required.				
	a).160 Amps, Ics=36 KA, Four Pole MCCB 2 Nos (INCOMER)				
	b). 63 Amps, Ics=18 KA,FP MCCB 4 Nos (OUT GOINGS)				
	c). 4 Pole 160 Amps, On load Changeover Switch 1 Nos				
	c) 160 A 4 strip Aluminium bus bar - 1 Set				
	d). Voltmeter, Ammeter with selector switch suitable ratio CTs and protection fuses -1 set				
	e). LED Indicating lamps -1 set	Job.	1		
Total					

Total-----

Value in Figure

Value in word

Signature of Contractor
Name
Address

Signature of witness
.....
.....

Phone/mobile no.....