



गुरु घासीदास विश्वविद्यालय, बिलासपुर (छ.ग.)
GURU GHASIDAS VISHWAVIDYALAYA,
BILASPUR (C.G.)

(A Central University)

Koni, Bilaspur-495009 (C.G.)

Phone: 07752-260036, Fax : 07752-260154

Website : www.ggu.ac.in

**e-Tender
for Percentage Rate Tender**

Reference NIT No.	: Nle-T No. 34/ENGG/GGV/ELEC.R&M WORK/2019
Name of Work	: "ELECTRICALREPAIR & MAINTENANCEWORK/2019" AT GURU GHASIDAS VISHWAVIDYALAYA CAMPUS, BILASPUR. (C.G.)
Estimated Cost	: Rs. 30 lakh (Inclusive All)
Tender Cost	: Rs. 2,500/- (in form of D.D.)
Earnest Money Deposit	: Rs. 60,000/- (in the form of D.D./FDR)
Period of Completion	: 12 months (One-year) (Note: May be extended by one more year)
Tender Document	: Available online through the websites www.ggu.ac.in and www.eprocure.gov.in

गुरु घासीदास विश्वविद्यालय
बिलासपुर (छ.ग.)
(केंद्रीय विश्वविद्यालय)
कोनी, बिलासपुर-495009 (छ.ग.)
दूरभाष : 07752-260036, फ़ैक्स -07752-260154
वेबसाइट : www.ggu.ac.in



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e-Tender Notice/(EOI) for Percentage Rate Tender

e-TENDER / EXPRESSION OF INTEREST/RFP

FOR "**ELECTRICAL REPAIR & MAINTENANCE WORK/2019**" AT GGV CAMPUS, BILASPUR, (C.G.)

Reference Nle-T No.	:	34/ENGG/GGV/ELEC.R&M WORK/2019
Name of Work	:	" ELECTRICALREPAIR & MAINTENANCEWORK/2019 " AT GURU GHASIDAS VISHWAVIDYALAYA CAMPUS, BILASPUR. (C.G.)
Estimated Cost	:	Rs. 30 lakh (Inclusive All)
Earnest Money Deposit	:	Rs. 60,000/- (In form of D.D./FDR)
Tender Cost	:	Rs. 2500/- (In form of D.D.)
Period of Completion	:	12months (One-year) (Note: May be extended by one more year)
Tender Document	:	Available online through the websites www.ggu.ac.in and www.eprocure.gov.in
Tender Document Download Start Date	:	20-12-2019, at 10.00 AM
Tender Document Download End Date	:	09-01-2020 up to 03.00 PM
Tender Cost	:	Rs. 2500/- (in form of D.D.)
Start date of submission of e-Tender / Eoi	:	20-12-2019, from 11.00 AM
Last date of submission of e-Tender / Eoi	:	09-01-2020, upto 3.00 PM
Technical Bid opening Date	:	10/01/2020, at 3.30 PM

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UNIVERSITY ENGINEER (I/C)
Guru Ghasidas Vishwavidyalaya,
Bilaspur (C.G.)

REGISTRAR (Acting)
Guru Ghasidas Vishwavidyalaya,
Bilaspur (C.G.)

EOI/Nle-T approved for an amount of Rs. 30, 00,000/- (Rupees Thirty Lakh only) vide Nle-T No. 34/ENGG/GGV/ELEC.R&M WORK /2019.

PART-A

e-TENDER NOTICE / EOI
Information and instructions for contractors for e-tendering
FORM-G1 for e-Tendering
FORM-G2 for percentage rate e-Tender & Contract
Proforma of Schedules

e-TENDERNOTICE / EOI

GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR

गुरु घासीदास विश्वविद्यालय

बिलासपुर (छ.ग.)

(केंद्रीय विश्वविद्यालय)

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Koni, Bilaspur-495009 (C.G.)

Phone: 07752-260036, Fax : 07752-260154

Website : www.ggu.ac.in

Nie-T No. 34/ENGG/GGV/ELEC. R&M WORK/2019, Bilaspur, Date 20/12/2019

e-Tender Notice

e-TENDER/EoI/RFP

for

ELECTRICAL REPAIR & MAINTENANCEWORK/2019 AT GGV BILASPUR CAMPUS

Guru Ghasidas Vishwavidyalaya (a Central University), Bilaspur, (C.G.), invites online **percentage ratee-Tender/ Expression of Interest (EoI)/RFP** for the "**ELECTRICAL REPAIR & MAINTENANCE WORK/ 2019**" with following details

Reference Nie-T No.	:	34/ENGG/GGV/ELEC.R&M WORK/2019
Name of Work	:	<u>"ELECTRICAL REPAIR & MAINTENANCEWORK/2019"</u> AT GURU GHASIDAS VISHWAVIDYALAYA CAMPUS, BILASPUR. (C.G.)
Estimated Cost	:	Rs. 30 lakh (Inclusive All)
Tender Cost	:	Rs. 2,500/-(in form of D.D.)
Earnest Money Deposit	:	Rs. 60,000/- (in form of D.D./FDR)
Period of Completion	:	12 months (One-year)(Note: May be extended by one more year)
Last date of submission of e-Tender	:	09/01/2020, Up to 3.00 PM
Technical Bid opening Date	:	10/01/2020, at 3.30 PM

The bid forms, other details, formats, terms & conditions regarding the e-Tender/EOI can be downloaded from the following websites: - **www.ggu.ac.in** and **www.eprocure.gov.in**.

कुलसचिव(कार्यवाहक) / **REGISTRAR** (Acting)
Guru Ghasidas Vishwavidyalaya,
Bilaspur (C.G.)

**INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR
e-TENDERING FORMING PART OF NIE-T AND TO BE SUBMITTED WITH THE
TENDER**

The Registrar, Guru Ghasidas Vishwavidyalaya, Bilaspur invites online **Percentage Rate e-Tender** from the approved Electrical Contractors with valid registration in appropriate category in following departments:

(i) CPWD (ii) BSNL (iii) M.E.S. (iv) Railways (v) C.G. State P.W.D. (vi) C.G. State Electricity Board.

Name of work: Electrical Repair & Maintenance Work.

Reference NIE-T No.	: 34/ENGG/GGV/ELEC.R&M WORK/2019
Name of Work	: ELECTRICAL REPAIR & MAINTENANCE WORK/2019 AT GURU GHASIDAS VISHWAVIDYALAYA CAMPUS, BILASPUR. (C.G.)
Estimated Cost	: Rs. 30 lakh (Inclusive All)
Tender Cost	: Rs. 2,500/- (in form of D.D.)
Earnest Money Deposit	: Rs. 60,000/- (in form of D.D./FDR)
Period of Completion	: 12 months (One-year) (Note: May be extended by one more year)
Last date of submission of EoI/e-Tender	: 09/01/2020 Up to 3.00 PM
Technical Bid opening Date	: 10/01/2020 at 3.30 PM

The enlistment of the contractors should be valid on the last date of submission of tenders. In case the last date of submission of tender is extended, the enlistment of contractor should be valid on the original date of submission of tenders.

- 1 The intending tenderer must read the terms and conditions of FORM-G1 carefully and should submit the tender only if eligible and in possession of all the documents required.
- 2 Information and Instructions for tenderer posted on website viz. www.ggu.ac.in and www.eprocure.gov.in, shall form part of tender document.
- 3 The tender document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and the EoI/Tender document can be downloaded from the websites www.eprocure.gov.in or www.ggu.ac.in.
- 4 Corrigendum of any kind related with the tender (if any), would appear only on the above web sites and will not be published anywhere else and neither informed in person. Tenderers are advised to visit the above websites regularly till the last date of the bid submission

- 5 **Tender Cost**(Non-refundable) of Rs.2,500/-in the form of Demand Draft from any Nationalized Bank in favor of "**Registrar, Guru Ghasidas Vishwavidyalaya**" payable at **Bilaspur (C.G.)** must reach in original to GGV, on or before the last date of submission of the bid. through registered post/speed post/ courier service only to the prescribed address at GGV Also DD of the above tender cost must be uploaded as scanned documents in the e-tender, failing which the bidder/firm will be disqualified in the Bidding process.
- 6 EMD(Refundable with terms of the tender) of Rs.60,000/ -in the form of Demand Draft (DD)or Fixed Deposit Receipt(FDR) from any Nationalized Bank in favor of "Registrar, Guru Ghasidas Vishwavidyalaya" payable at Bilaspur (C.G.) must reach in original to GGV on or before the last date of submission of the bid, only through registered post/speed post/ courier service to the prescribed address at GGV, also the DD/FDR of the above EMD must be uploaded as scanned documents in the e-tender, failing which the bidder/firm will be disqualified in the Bidding process.
- 7 The Tender Cost (as detailed in serial no5 above) and the EMD(as detailed in serial no 6 above) in the form of DD/FDR must reach to GGV in original on or before the last date of submission of the bid through registered post/speed post/ courier service only, to the following mailing address in a sealed envelope super scribed on the envelope as EOI/Nle-T No. **34/ENGG/GGV/ ELEC. R&M WORK/2019**.The detail name and address of the tenderer must be mentioned on the envelope.
- To,
The University Engineer,
Guru Ghasidas Vishwavidyalaya,
Koni, Bilaspur (C.G.) – 495009
- 8 Bidder must register on the website www.eprocure.gov.in for uploading the soft copy of the bid. Those interested Bidders not registered on the website www.eprocure.gov.in mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the above website.
- 9 The intending bidder (s) must read the terms and conditions of this EoI/tender carefully, and should submit bid only if they are eligible and are in possession of all the required documents.
- 10 The intending bidder (s) must have a valid digital signature to submit the bid.
- 11 Bidders should upload documents in the form of PDF format or as per the format available on the website www.eprocure.gov.in.
- 12 Bidder must upload on the e-Tendering website www.eprocure.gov.in the scanned copy of Demand Draft for Tender Cost (Non-refundable), and Demand Draft/FDR/BG of Earnest Money Deposit (EMD) in PDF format. The copies (Images) of the above two demand drafts should be combined, scanned and uploaded as a single file only with file name as "Tender_Cost_EMD_Name of Bidder.pdf" within the period of bid submission.
- 13 Bidders must upload on the e-Tendering website www.eprocure.gov.in, the scanned copy

- of the bid documents Technical (in PDF format) and Financial Bids (as per format available on the website (www.eprocure.gov.in) within the period of bid submission.
- 14 First PDF file titled "Technical Bid Name of Bidder must have all required documents related to Technical Bid.
 - 15 Second file (as per the format available on the website www.eprocure.gov.in) titled "Financial-Bid_Name of Bidder" must have the Financial Bid.
 - 16 The bidders are required to upload and submit the scanned page of Technical documents as per essential eligibility criteria for the bidders and other required documents as per this EoI/Tender.
 - 17 The Technical bid file must contain the scanned copies of duly signed EoI/tender, certified copies of documents related to ESSENTIAL ELIGIBILITY CRITERIA i.e. all relevant information and documents of turnover, work experience certificates, Proof of Registration Certificate of Firm, OEM Authorization letter (as and where applicable), copy of the audited balance sheet of the vendor by the chartered accountant for the last three financial years, Details of Permanent Account Number, ITR (Income Tax Return) for last 3 financial years, ISO Certification, GST registration certificate, bank mandate for company, etc. relevant for evaluating the bidder technically, Declarations, Corrigendum / Addendum / Other documents, if any, etc.
 - 18 The bidder shall quote the items (up to 2 Decimals)
 - 19 The tenderer (s) is/are required to quote the rate strictly as per the terms and conditions, specifications, standards given in the EoI/Tender documents.
 - 20 Power of Attorney of the person having digital signature for signing/submitting the tender. This should be supported by Board Resolution (in case of a company registered under the Companies Act).
 - 21 In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0".Therefore, if any cell is left blank and no rate is quoted by the tenderer, rate of such item shall be treated as "0"(ZERO).
 - 22 Information and Instructions for tenderers posted on websites shall form part of bid document.
 - 23 The bidders are advised to submit complete details with their bids. The Technical Bid Evaluation will be done on the basis of documents uploaded on e-tendering web site(s) by the bidders with the bids. Bids with Incomplete/Ambiguous information will be rejected.
 - 24 Before the last time and date of submission of bid as notified, the tenderer can submit revised bid any number of times.
 - 25 On opening date, the Bidder can login and see the bid opening process
 - 26 The tenderer (s) if required, may submit queries, if any, through E-mail (E-mail of University Engineer: ueggvbsp@gmail.com) and in writing to the University Engineer, Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.) to seek clarifications within 07 days from

the date of uploading of Tender on website. GGV will reply to only those queries which are essentially required for submission of bids. GGV will not reply to the queries which are not considered fit like replies of which can be implied /found in the NIT/ EOI Documents or which are not relevant or in contravention to NIT/EOI Documents, queries received after 07 days from the date of uploading of Tender on website, extension of time for opening of technical bids, etc. Technical Bids are to be opened on the scheduled dates. Requests for extension of opening of Technical Bids will not be entertained.

- 27 Last date of submission of the bid online as well as original hard copies of DD for Tender Cost & EMD etc., for proposed works, etc. is up to **03:00 PM on 09/01/2020.**
- 28 Online technical bid documents submitted by tenderers shall be opened only of those tenderers, whose Original Earnest Money Deposit and Original DD for Tender Cost of Bid Document are sent to the university in sealed envelope, and are found to be in order and valid.
- 29 Date and Time of opening of the online/sealed envelope **at 03.30 PM on 10/01/2020.** (Venue: Engineering Section, Administrative Block, GGV).
- 30 Successful bidder shall have to submit the certified serially numbered hard copies of all the documents uploaded on the designated website and other relevant original documents for verification before award of the work.
- 31 Contractor should be registered in appropriate category in CPWD/CGPWD/BSNL/Railway/MES, appropriate means the capacity of contractor should equal to/greater than Rs. 30.00 lakh.

FORM-G1 for e-TENDERING

- 1 The Registrar, **Guru Ghasidas Vishwavidyalaya, Bilaspur** invites online **Percentage Rate e-Tender** from the approved Electrical Contractors with valid registration in appropriate category in following departments:
(ii) CPWD (ii) BSNL (iii) M.E.S. (iv) Railways (v) C.G. State P.W.D. (vi) C.G. State Electricity Board.
Name of work: Electrical Repair & Maintenance Work. i.e.
"ELECTRICAL REPAIR & MAINTENANCEWORK /2019"
AT GURU GHASIDAS VISHWAVIDYALAYA CAMPUS, BILASPUR. (C.G.)
- 2 The enlistment of the contractors should be valid on the last date of submission of tenders. In case the last date of submission of tender is extended, the enlistment of contractor should be valid on the original date of submission of tenders.
- 3 The work is estimated to cost **Rs.30,00,000/- (Rupees Thirty lakh only)**. This estimate, however, is given merely as a rough guide.
- 4 Intending tenderer must have satisfactorily completed similar works of magnitude specified as below in any Government/ Semi-Government/ PSU/ Government funded organizations:-
 - (i) Three similar works each of value not less than 40% of estimated cost or
 - (ii) Two similar works each of value not less than 50% of estimated cost or
 - (iii) One similar work of value not less than 80% of estimated costin the period of last seven years ending **31.03.2019**.
 - **'Similar work'** means 'Electrical Repair & Maintenance Works only'.
 - The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to the last date of submission of the tender.
 - The experience shall be considered only if the tenderer submits a valid experience certificate issued by the competent authority of the concerned department/organization, in support of the completed work.
- 5 Agreement shall be drawn with the successful tenderers on prescribed FORM-G2. Tenderers shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
- 6 The time allowed for carrying out the work will be **12months (one year)**(Note: May be extended by one more year) from the date of start as defined in schedule 'For from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
- 7 The site for the work is available.
- 8 Architectural drawings for work are available (if any)
- 9 The tender document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract. Form can be seen on websites viz www.ggu.ac.in or www.eprocure.gov.in
- 10 After online submission of the tender the contractor can re-submit the revised tender any number of times (if required) online, but the same is allowed before the last date and time of submission of tender as notified.
- 11 **Tender Cost**(Non-refundable) of Rs.2,500/-in the form of Demand Draft from any Nationalized Bank in favor of "**Registrar, Guru Ghasidas Vishwavidyalaya**" payable at

Bilaspur (C.G.) must reach in original to GGV, on or before the last date of submission of the bid through registered post/speed post/courier service only to the prescribed address at GGV. Also DD of the above tender cost must be uploaded as scanned documents in the e-tender, failing which the bidder/firm will be disqualified in the Bidding process.

- 12 EMD(Refundable with terms of the tender) of Rs.60,000/-in the form of Demand Draft (DD)or Fixed Deposit Receipt(FDR) from any Nationalized Bank in favor of "Registrar, Guru Ghasidas Vishwavidyalaya" payable at Bilaspur (C.G.) must reach in original to GGV on or before the last date of submission of the bid, only through registered post/speed post/ courier service to the prescribed address at GGV Also DD/FDR of the above EMD must be uploaded as scanned documents in the e-tender, failing which the bidder/firm will be disqualified in the Bidding process.
- 13 The Tender Cost (as detailed in serial no 5 above) and the EMD(as detailed in serial no 6 above) in the form of DD/FDR must reach to GGV in original on or before the last date of submission of the bid through registered post/speed post/ courier service only, to the following mailing address in a sealed envelope super scribed on the envelope as "EOI/Nle-T No. 34/ENGG/GGV/ELEC. R&M WORK/2019". The detail name and address of the tenderer must be mentioned on the envelope.

To, <u>The University Engineer,</u> <u>Guru Ghasidas Vishwavidyalaya,</u> <u>Koni, Bilaspur (C.G.) – 495009</u>

- 14 Copy of Enlistment Order and certificate of work experience wherever applicable and other documents if required and specified in this tender document shall be scanned and uploaded to the e-Tendering website within the period of tender submission. However, certified copy of all the scanned and uploaded documents as specified in this tender document shall have to be submitted by the lowest tenderer only within a week physically in the office of tender opening authority. Online tender documents submitted by intending tenderers shall be opened only of those tenderers, whose original Demand Draft for Tender Cost/Bid Cost (Non-refundable) and EMD deposited with the University Engineer, GGV, Bilaspur and other documents scanned and uploaded are found in order/proper.
- 15 The tender submitted shall become invalid if
- The tenderer does not deposit original Tender Cost and EMD
 - The tenderer does not upload the certified scanned copy of all the relevant/ desired documents including Tender Cost, EMD, Enlistment order, Experience etc. as detailed and stipulated in this tender document.
 - If any discrepancy is noticed between the documents as uploaded at the time of submission of tender and hard copies as submitted physically by the lowest tenderer in the office of tender opening authority.
 - If a tenderer does not quote any percentage above/at-par/below, on the total amount of the tender or any section/sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
- 16 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. Banker's

cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any Scheduled Bank or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with tender shall be returned after receiving the aforesaid performance guarantee.

The earnest money deposited along with tender shall be returned after receiving the aforesaid performance guarantee. The Contractor whose tender is accepted will also be required to furnish either copy of applicable licenses/registrations or proof of applying for obtaining labour licenses, registration with **EPFO**, **ESIC** and **BOCW** Welfare Board including provident fund code no. if applicable and also ensure the compliance of aforesaid provisions by the subcontractor, if engaged by the contractor for the said work and Programme Chart (Time and Progress) within the period specified in Schedule F.

- 17 Intending 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 tenderers shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The tenderers 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.
- 18 The GGV does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderers shall be summarily rejected.
- 19 Canvassing whether directly or indirectly, in connection with tenderers is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable for rejection.
- 20 The, Guru Ghasidas Vishwavidyalaya, Bilaspur reserves the right of accepting the whole or any part of the tender and the tenderers shall be bound to perform the same at the rate quoted.
- 21 The contractor shall not be permitted to tender for works in the (Guru Ghasidas Vishwavidyalaya, Bilaspur) University responsible for award and execution of contracts, in which his near relative is posted as an officer in the university. He shall also intimate the

names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the University. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this University.

- 22 No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service
- 23 The tender for the works shall remain open for acceptance for a period of **Ninety (90) days** from the date of opening of tenders. If any tenderer withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the University shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tenderers shall not be allowed to participate in the retendering process of the work.
- 24 This Notice Inviting Tender shall form a part of the contract document. The successful tenderers/contractor, on acceptance of his tender by the Accepting Authority shall within 15 days (or as decided by the competent authority of GGV) 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 part of the tender as uploaded at the time of invitation of tender and the rates quoted online at the time of submission of tender and acceptance thereof together with any correspondence leading thereto.
 - b) Standard **FORM-G2** or other **Standard C.P.W.D. Form** as applicable

25 For Tenders

The tender document will include following three components:

Part A:- NIT including schedule A to F for component of the work, Standard General Conditions of Contract (CPWD-GCC 2014) or latest edition as applicable with all amendments /modifications.

Part B:- General/specific conditions, specifications and schedule of quantities applicable to major component of the work.

Part C:- Price Bid, Special Instructions to Tenderer

The tenderer must associate with himself, agencies of the appropriate class eligible to tender for the minor components individually.

The eligible tenderers shall quote rates for all items of component of work. It will be obligatory on the part of the tenderer to sign the tender document for all the components (The schedule of

quantities, conditions and special conditions etc.) in appropriate Price-bid/BoQ as % above/ at par/below of **PWD SOR-2015**.

After acceptance of the tender by competent authority, the Registrar GGV shall issue an order on behalf of the Guru Ghasidas Vishwavidyalaya.

Entire work under the scope of composite tender including all components shall be executed under one agreement.

- 26 Deviation / Variation Extent and Pricing:** The Engineer Incharge with due approval of the university authority can (i) make alteration in omissions from, addition to or substitutions for the original specification, drawings. Designs and instruction that may appear to him to be necessary or advisable during the progress of the work and (ii) omit a part of the in case of non- availability of a portion of the site or for any other reasons and the contractor shall be bound to carry out the work in accordance with the instructions given to him in writing signed by the Engineer-in-charge and such originally. Omission, Addition or substitutions shall from part of the contractor as if originally provided therein and any altered, additional or substituted work which the contractor may be directed to do in the manner specified as part of the work, shall be carried out by the contractor on the same condition in all including price on which he agreed to do the main work except as hereafter provided.

The time for completion of the work shall, in the event of any deviations resulting in additional cost over the tendered value sum being order, be extended, if requested by contractor, as follows:

- i) In the proportion which the addition cost of the altered, additional or substituted work, bear to the original tendered value plus.
- ii) 25% of the time calculate in (i) above or such further additional time as may be considered reasonable by the Engineer-in-charge with due approval from the university authority..

Rate of such altered, additional or substituted work shall be determined by Engineer-in-charge as follows: with due approval from the university authority.

- i) In the rate for altered, additional or substituted item of work is specified in the schedule of rate, the contractor shall carry out the altered, addition or substituted item at the same rate. Accepted tender rate shall be applied for it.
- ii) If the rate for any altered, additional or substituted item of work is not specified in the schedule of rate, the rate for that items shall be derived from the rate the nearest similar item specified therein. Accepted tender rate shall be applicable for it.
- iii) If the rate for any altered, additional or substituted item of work cannot be determined in the manner specified in sub- paras (i) & (ii) above, the contractor shall within 15 days of the date or receipt of the order to carry out the said work, inform the Engineer-in-charge or the rate which he proposed to claim for such item of work, supported by analysis method thereafter, after giving due consideration to the rate claimed by contractor , determines the rate on the basis of market rates. In the event of the contractor failing to inform the Engineer-in-charge within the stipulated period of time, the rate which he propose to claim, the rate which he proposed to claim, the rate for such item shall be determined by the Engineer-in-

charge on the basis of market rates. Tender percentage rate shall not be applicable on this determined rate. The university authority has right to accept finally the above said rates based on the rate analysis as given.

27 GST, labour Cess and all other tax as applicable, shall be payable by the contractor and the university will not entertain any claim whatsoever in respect of the same

28 *Note: - Intending Tenderer shall quote rate percentage below/at-par/above in the online Price bid/ BoQ only in Percentage rate.*

Signature of

UNIVERSITY ENGINEER (I/C)
Guru Ghasidas Vishwavidyalaya,
Bilaspur (C.G.)

Signature of

REGISTRAR (Acting)
Guru Ghasidas Vishwavidyalaya,
Bilaspur (C.G.)

<p>गुरु घासीदास विश्वविद्यालय बिलासपुर (छ.ग.) (केंद्रीय विश्वविद्यालय) कोनी, बिलासपुर-495009 (छ.ग.) दूरभाष : 07752-260036, फ़ैक्स -07752-260154 वेबसाइट :www.ggu.ac.in</p>		<p>GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.) (A Central University) Koni, Bilaspur-495009 (C.G.) Phone: 07752-260036, Fax : 07752-260154 Website : www.ggu.ac.in</p>
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PERCENTAGE RATE e-TENDER & CONTRACT FOR WORKS

A	TENDER FOR THE WORK OF		: ELECTRICAL REPAIR & MAINTENANCEWORK/2019 AT GURU GHASIDAS VISHWAVIDYALAYA CAMPUS, BILASPUR. (C.G.)	
	A1	Reference Nle-T No.	:	34/ENGG/GGV/ELEC. R&M WORK /2019
			(Time)	(Date)
	A2	To be Uploaded Online latest by	:	upto3.00 P.M. on 09-01-2020
	A3	To be opened by the authorized bid openers of the university	:	At 3.30 P.M. on 10-01-2020

TENDER

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

I/We hereby tender for the execution of the work specified for the **(Guru Ghasidas Vishwavidyalaya, Bilaspur)** university within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing and instructions in writing referred to in **Rule-1 of General Rules** and Directions and **in Clause 11** of the Conditions of contract and with such materials as are provided for, by, and in respect in accordance with, such conditions so far as applicable.

We agree to keep the tender open for **Ninety (90) days** from the due date of its opening and not to make any modification in its terms and conditions.

A sum of **Rs. 60,000/-** is hereby forwarded as fixed deposit receipt of scheduled bank/demand draft of a scheduled bank as earnest money. If I/We, fail to furnish the prescribed performance guarantee within prescribed period. I/We agree that the said Guru Ghasidas Vishwavidyalaya, Bilaspur, (C.G.) 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 Guru Ghasidas Vishwavidyalaya, Bilaspur, (C.G.) shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely, Otherwise the said earnest money shall be retained by the university 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 carryout 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 of the tender form. Further, I/We agree that in case of forfeiture of Earnest Money or both Earnest money and Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of University, then I/We shall be debarred for tendering in the Guru Ghasidas Vishwavidyalaya (University) in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge (University Engineer/Competent authority) shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived 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 University/State/Country.

I/we have done myself/our self fully satisfied to read & examine the notice inviting, general conditions and various clauses of contract, all annexure, specials conditions & specifications,

applicable specifications, drawings, designs, applicable schedule of rates, descriptions, of the items of work, all the rules in respect of contract and all other contents in the tender documents and here by agreed for execution of the said specified work for the University Authority within the above time period in accordance with that at the rate

(In figures)_* _____

(In Words)_* _____

Percent below/at par/above of PWD Schedule of Rates 2015/attached schedule rates.

Note * the rate should be quoted in the online price bid only

Dated:

Signature of Contractor:

Postal Address:

Witness:

Address:

Occupation:

To be filled in by the contractor/witness as applicable

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the Registrar, GGV. Bilaspur for a sum of Rs. _____

(Rupees _____)

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

- a)
- b)
- c)

Registrar (Acting)

Signature

Dated

SCHEDULES

FOR MAJOR (ELECTRICAL) COMPONENT OF "ELECTRICAL REPAIR & MAINTENANCE WORK /2019"

SCHEDULE 'A'

Schedule of quantities

(Enclosed)

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'

Tools and plants to be hired to the contractor

S.No.	Description of item	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'Reference to General Conditions of contract: **CPWD GCC-2014****Name of work :**

Estimated cost of work: **Rs.30.00 lakh**
 Earnest money: **Rs. 60,000/-**
 Performance guarantee: **5% of tendered value.**
 Security Deposit: **5% of tendered value.**

SCHEDULE 'F'**General Rules & Directions:**

Officer inviting tender:	Registrar GGV
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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.	Not applicable
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Note: There may be change in schedule items and in quantity (Excess or less) upto any extent. Extended items will be paid as per quoted percentage rate of schedule in tender.

Definitions:

2(v)	Engineer-in-Charge	For Civil, Electrical: UE, GGV Bilaspur or his successor.
2(viii)	Accepting Authority	Registrar, GGV, Bilaspur.
2(x)	Percentage on cost of materials and labour to cover all overheads and profits.	15%
2(xi)	Standard Schedule of Rates	For Civil: Delhi Schedule of Rates 2014(Civil) with correction slips issued upto date of receipt of tender For Electrical: CG PWD SOR Schedule of rate 2015 for Electrical Repair & Maintenance works
2(xii)	Department:	Guru Ghasidas Vishwavidyalaya, Bilaspur.
9(ii)	University Standard Contract Form	GGV Standard Contract Form / (FORM G2)

Clause -1

i	Time allowed for submission of performance guarantee from the date of issue of letter of acceptance	20 days
ii	Maximum allowable extension beyond the period as provided in (i) above	10 days

Clause -2

Authority for fixing Compensation under clause 2	Registrar/Building Committee / Competent Authority (GGV)
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Clause -2A

Whether clause 2A shall be applicable	Yes
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Clause -5

No. of days from the date of issue of letter of acceptance for reckoning date of start **22 days**

Milestone(s) : -

Table of Milestone(s)

Work order will be given in parts as per the requirement with in the period of one year. The contractor has to complete the work within the time stipulation given in the concerned work orders

Time allowed for execution of work		12 (Twelve) month (Note: May be extended by one more year)
Authority to decide	(i) Extension of Time	University Engineer, GGV, Bilaspur (C.G.) with permission of competent Authority
	(ii) Scheduling of mile-stones	University Engineer/ Competent Authority (GGV)

Clause 6, 6A

Clause applicable **6A**

Clause 7

Gross work to be done together with net payment/adjustment of advances for material collected, if any since the last such payment for being eligible to interim payment	Rs. 5.00 Lakhs (For Civil Component) (For Electrical Component)
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Clause10A	List of testing equipment to be provided by the contractor at site lab	See P 39 Para 11.0 (Part – B)
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Clause10B(ii)	Whether clause 10B (ii) shall be applicable	Yes
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Clause10C	Component of labour expressed as Percent of value of work	25% (Twenty five per cent)
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Clause10CA

Material covered under this clause		Nearest materials (Other than cement, reinforcement bars and structural steel) for which All India Whole Sale Price Index is to be followed.	Base Price of all materials covered under clause 10 CA *	
1	Cement	NA	1	Rs. 5000/- per MT
2	Steel reinforcement	NA	2	Rs.31304/- per MT
3	Structural steel	NA	3	Rs. 31009/- per MT

Clause10CC**Not Applicable**

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

27 months

Schedule of component of other materials, Labour POL etc. for price escalation –

Component of civil (Except materials covered under clause 10 CA) /Electrical construction materials expressed as percent of total value of work

“Xm” 30%

Component of labour expressed as percent of total value of work

Y’ 25%

Component of P.O.L. expressed as percent of total value of work.

‘Z’ Nil%**Note:-**

No Escalation shall be given by GGV. Neither any claim for the escalation will be entertain.

Clause 10 CC --- This clause is not applicable.

Clause 11

Specifications to be followed for execution of work

For Civil:CPWD specification 2009, Volume-I & II with correction slips upto date of receipt of tender.

For Electrical :CPWD specification for electrical works Part-I (Internal) 2005 and Part-II (external) 1994– amended upto date of receipt of tender

Clause 12 Not Applicable**12.2 & 12.3**

Deviation limit beyond which **30%**
clauses 12.2 & 12.3 shall apply for
building work

Deviation limit beyond which **100%**
clauses 12.2& 12.3 shall apply for
foundation work

Note: There may be change in schedule items as well as quantity up to any extent, as per the need of the university. Excess quantities will be adopted from the DSR and shall be paid as per quoted percentage rate of schedule in tender.

Clause 16

Competent Authority for deciding **Registrar, GGV/**
Reduced rates. **Building Committee, GGV.**

Clause 18 List of mandatory machines, tools **See P 38 Para 9.0 (Part-B)**
and plants to be deployed by the
contractor at site.

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

SNo	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical / Technical representative)	Minimum experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 36(i)	
						Figures	Words
1	Graduate Engineer or Diploma Engineer	Electrical	Technical Representative <i>(Project Planning/Site/Billing Engineer)</i>	Two years (for Graduate) or 5 years (for Diploma)	(1) one No.	Rs.15,000/- PM.	Rupees Fifteen Thousand Per Month each

“Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.”

Clause 42

- I(a) Schedule/Statement for determining theoretical quantity of cement & bitumen **on the basis of Schedule of Rates 2015 printed by C. G. P.W.D.**
- 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 estimated 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			
S.N.	Description of item	Rates in figures and words at which recovery shall be made from the Contractor	
		Excess beyond the permissible variation	Less use beyond the permissible variation
1	Cement	Nil	Rs.6000.00 per MT
2	Reinforcement steel	Nil	Rs. 50000.00 per MT
-----Two items only-----			

PART-B

Particular Specification & Special Conditions (Electrical)
List of Approved materials & Specialized Agencies (for Electrical works)
Schedule of quantities/Rate (Electrical R&M Work)

PARTICULAR SPECIFICATION
&
SPECIAL CONDITIONS (ELECTRICAL)

1 GENERAL

- 1.1 The contractor shall work according to the program of work as approved by the Engineer-in-charge/Registrar/Building committee for the purpose, the contractor shall submit a tentative program of the work within 15 days from the stipulated date of start of the work
- 1.2 The contractor shall take instructions from the Engineer-in-charge for stacking of materials at site. No excavated earth or building materials shall be stacked on areas where the buildings, roads, services or compound walls are to be constructed
- 1.3 If as per municipal / GGV. rules the huts for labour are not to be erected at the site of work by the contractors, the contractors shall provide such accommodation at such locations as are acceptable to local bodies, for which nothing shall be payable
- 1.4 Unless otherwise provided in the Schedule of quantities, the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the building and nothing shall be payable to him on this account. However, payment for centering, shuttering, if required to be done for floor heights greater than 3.5m, shall be admissible at rates arrived at, in accordance with clause 12 of the agreement, if not already specified otherwise
- 1.5 The working drawings appearing at para 8.1(iii) of conditions of contract in the form prescribed form shall mean to include both Electrical layout and Switching & Connection drawings respectively. The drawings shall be properly correlated before executing the work. In case of any difference noticed between drawings, final decision, in writing of the Engineer-in-charge shall be obtained by the contractor before proceeding further
- 1.6 Samples of items of different makes for particular items of work shall be prepared/presented for prior approval of the Engineer-in-charge before taking up the same on mass scale and nothing shall be payable on this account.
- 1.7 Some restrictions may be imposed by the security staff etc. on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restriction / instructions and nothing extra shall be payable on this account.
- 1.8 The contractor shall make his own arrangements for obtaining electric connections, if required, and make necessary payments directly to the University.
- 1.9 Other agencies may also be executing simultaneously on some other related works such as- electrical cable laying, street lighting and horticulture works for the same/different project. The contractor shall extend necessary co-operation to them without any claim on this account.
- 1.10 Stacking of materials and excavated earth including its disposal shall be done as per the directions of the Engineer-in-Charge. Double handling of materials or excavated earth if required shall have to be done by the contractor at his own cost.

- 1.11 No claim for idle establishment & labour, machinery & equipments, tools & plants and the like, for any reason whatsoever, shall be admissible during the execution of work as well as after its completion.
- 1.12 The items other than the schedule will be taken from CG PWD SOR-2015 applicable in CG PWD with tender rate (percentage above/at par/below) if required.
- 1.13 There may be change in schedule items as well as quantity up to any extent, as per the need of the university. Excess quantities will be adopted from the CG PWD SOR-2015 and shall be paid as per quoted percentage rate of schedule in tender.

02 SAFETY MEASURES AT CONSTRUCTION SITE

In order to ensure safe construction, following shall be adhered for strict compliance at the site:-

- (i) The work site shall be properly barricaded.
- (ii) Adequate signages indicating 'Work in Progress – Inconvenience caused is Regretted' or Diversion Signs shall be put on the sites conspicuously visible to the public even during night hours. These are extremely essential where works are carried out at public places in use by the public.
- (iii) The construction Demolition/ malba at site shall be regularly removed on daily basis
- (iv) All field officials and the workers must be provided with safety helmets, safety shoes and safety belts.
- (v) Proper MS pipe scaffoldings with work – platforms and easy-access ladders shall be provided at site to avoid accidents.
- (vi) Necessary First-Aid kit shall be available at the site.

The above provisions shall be followed in addition to the provisions of General Condition of Contract, CPWD safety code and CPWD specifications for which nothing extra shall be paid except otherwise provided.

03 No Escalation shall be given by the University neither any claim for the escalation will be entertained.

04 The intending Tenderer shall be required to submit the EOI/Bid of the e-tender in the following manner.

- 1) The Tenderer has to send the Original DD of the Tender Cost/Bid Cost and Original DD/FDR of Earnest Money Deposit (EMD), of any scheduled bank drawn in favour of the "REGISTRAR, GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.) in a sealed envelope to the University Engineer (UE), GGV, Bilaspur. It should be clearly super scribed on the top of envelope the e-Tender Notice No. "Nie-T No. 34/ENGG/GGV/ELEC. R&M WORK/2019". These Originals should reach the University Engineer, GGV before the last date and time of Tender Submission.

2) The tenderer has to submit the Bid online in the e-Tendering website (www.eprocure.gov.in) with the following details

a) Technical BID

- i. The Tenderer has to upload the e-tender and all related documents (including the corrigendum/ instructions/ notices till the last of submission if any) properly signed where ever required. (Scanned copies of , the DD of the **Tender Cost**, the DD/FDR of the Earnest Money Deposit (**EMD**), Registration Certificate in appropriate Category of the contractor as per the eligibility criteria, Experience Certificate of appropriate amount & works mentioned in the tender, Copy of Income Tax Return certificate of previous year with pan card., GST Registration Certificate, all the other documents in support of information furnished in the tender.)

b) Financial BID

- i. The Tenderer has to upload the Financial bid/BOQ properly signed where ever required in the following e-Tendering website (www.eprocure.gov.in)

- 05 The GGV reserves the right to award the work order to the 2nd lowest tenderer incase of the first lowest tenderer fails to execute monthly work progress report by canceling the work order given the 1st lowest tenderer.
- 06 The GGV reserves the right to place the order complete or part of work.
- 07 The GGV reserves the right to alter. Add or delete any term(s) & condition(s) in the interest of the University without any pre-notice and no suit shall lie on the University for the same.
- 08 Validity of accepted Quoted rates will be for **27 months** from the date of agreement. University will give separate order for separate works time to time for some specified time and specified works in the interest of the University.
- 09 The venue of arbitration shall be the court at Bilaspur (C.G.)
- 10 Any other information related to the tender may be obtained from office of the University Engineer, GGV, Bilaspur, during working hours.
- 11 As it is Tender by the University for the University, the university has all the rights to modify any clause/specification, or to delete any clause/specification, for the benefit of the university and these are always binding on the Tenderer.
- 12 The Quality of the work done by the Tenderer should be as per the specifications of the CPWD standards/Manuals/IS Codes where ever applicable and will be evaluated accordingly.
- 13 The university has at all times has all the rights to execute the work mentioned in the tender or to not execute the work mentioned in the tender without giving any reasons thereof for the same.
- 14 As per requirement and in the interest of the University, any other items which are not mentioned in Financial Bid/Technical Specification may be added for which the rate shall be decided on the basis of market rate analysis.
- 15 The items in the schedule can be increased or decreased in quantity upto any extent or any item which can be included which is not in the given schedule but is an item of the DSR and

the percentage rate of the tender will be applied for the same and is binding on the tenderer.

- 16 Other than the terms and conditions laid down in this tender form, when required, the terms and conditions of CPWD manual will be followed.
- 17 **Inspection:** GGV or its representative shall have the right to inspect or to test the items to confirm their conformity to the ordered specification. In case any inspected or tested goods fail to conform to the specifications, GGV may reject them and supplier shall either replace the rejected goods or make all alterations necessary to meet specification required free of cost to GGV.
- 18 **Indemnification:** The Firm/Contractor shall indemnify the Client for any loss resulting from and as a consequence of errors, omissions arising out of gross negligence on the part of the Firm/Contractor or on the part of their employees/representatives/agents and shall take necessary action to remedy the loss, such as removal of defects, deficiencies and such other action as considered necessary by the client to remedy the loss arising from such negligence.
- 19 **Third Party Liability:** The Client shall not be liable for any injury/death, caused to any official, employee, representative or agent of the Firm/Contractor or their sub-Firm/Contractor s working at the site or damage to their properties for any reason whatsoever and Client shall not entertain any claim from any person on that behalf. It would be the responsibility of the Firm/Contractor to get their officials, employees, representatives, agents or their sub-Firm/Contractor's insured against the possible risks involved in the discharge of their duties at the worksite.
- 20 **Arbitration:** Any dispute arising out of this agreement shall be settled through mutual discussion and consultations among the parties. In case the parties would not come under fruitful conclusion on the disputes, the matter shall be referred to the Sole Arbitrator by either party. The Sole Arbitrator shall be the representative nominated by the Vice Chancellor of Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.). The decision of the sole arbitrator shall be final and binding upon the parties to the disputes.
- 21 In case of any ambiguity /anything not contained in this document, GGV reserves the right to take discretionary decision without assigning any reason thereof and it will be binding on concerned/all bidders. The University also reserves the right to cancel/reject any bid due to any reason including human error in calculation incurred during process. The GGV shall be free to cancel the whole or part of tender without assigning any reason.
- 22 **Court Jurisdiction:** The university shall not be bound to give justification for any aspect of the selection process and the decision of the university shall be final and binding on all without any right of appeal. Further, in case of any dispute, any suite or legal proceedings against the university, the jurisdiction shall be restricted to the courts at Bilaspur, Chhattisgarh.

<u>LIST OF APPROVED MAKES, MATERIALS & SPECIALIZED AGENCIES</u> <u>(FOR ELECTRICAL WORKS)</u>		
SL.NO.	EQUIPMENT	APPROVED MAKES
1.	11KV OUTDOOR VCB	AREVA/SIEMENS/ABB
2.	11KV CT, PT	CGL/LAXMI ENGG/ PRAGATI/MEHRU/TELK
3.	11KV ISOLATOR (HCDB)	G NANDY/ ABB/S&S/SIEMENS/ HIVELM
4.	30KV LA	ABB/AREVA/BHEL/CGL/OBLUM
5.	HT INSULATOR & BUSHING	JAYSHREE/WSI/MODERN/OBLUM/BHEL
6	TRANSFORMER	AREVA/CGL/KEC/MARSONS, AGRA/PETE, HYDERABAD/AEG, KOLKATA/APPROVED MAKES BY CSEB
7	C & R PANELS	ECC/PCE PROJECTS/SYSTEM CONTROL & AUTOMATION/ELECTRO ALLIED PRODUCTS
8	RELAYS	AREVA
9	AMMETER, VOLTMETER	AE/IMP
10	MULTIFUNCTION METER	CONZERVE/SATEC/SECURE/SCHNEIDER
11	TRI VECTOR METER	CONZERVE/SATEC/SECURE/SCHNEIDER
12	ANNUNCIATOR	MINILEC/PROCON
13	T-N-C & L-R SWITCH	AREVA/KAYCEE
14	AUXILIARY RELAYS	AREVA
15	MASTER TRIP RELAY	AREVA
16	AIR CIRCUIT BREAKER (DRAW OUT TYPE)	ABB/SCHNEIDER/SIEMENS
17	MCCB	ABB/SCHNEIDER/SIEMENS
18	ACDB/LDB/FABRICATED PANELS	ECC/PCE PROJECTS/SYSTEM CONTROL & AUTOMATION/ELECTRO ALLIED PRODUCTS/ALFA AUTOMATION
19	BATTERY, BATTERY CHARGER	EXIDE/HBL/AMCO/CALDYNE
20	MCB, DB 10KA	ABB/SIEMENS/LEGRAND/SCHNEIDER
21	SWITCH, FUSE, CONTACTOR, BIMETALIC OVERLOAD RELAY	ABB/SIEMENS/SCHNEIDER
22	HT POWER CABLE	CCI/ GLOSTER/HAVELLS/NICCO/POLYCAB/ UNIVERSAL
23	LT POWER AND CONTROL CABLES	CCI/ GLOSTER/HAVELLS/NICCO/POLYCAB/ UNIVERSAL/FINOLEX/ASIAN
24	CABLE GLAND	DOWELS/ELECTRO WERKE/CCI
25	CABLE LUG	DOWELS/JAINSON/ISMAL
26	TERMINAL BLOCK	CONNECT WALL/ELMEX/WAGO
27	CABLE TERMINATION, JOINTING KIT	CCI/RAYCHEM/M-SEAL

28	LIGHTING LUMINAIRES WITH LAMPS	BAJAJ/CGL/PHILIPS/Havells/ Wipro
29	EMERGENCY LIGHTING	PROLITE
APPROVED MAKE LIST OF LT		
SL.NO.	EQUIPMENT/DESCRIPTION	APPROVED MAKE
1	SWITCH GEARS	SIEMENS/SCHNEIDER/ABB/L&T
	A) ACB'S, SFU, CONTACTORS, AUX REALY	
	B) MCCB'S 200 AMP AND ABOVE	
2	MCCB'S 160 AMP & BELOW	SIEMENS/SCHNEIDER/ABB/L&T/LEGRAND
3	MCB'S/RCCB'S/RCBO'S/DBS	SIEMENS/SCHNEIDER/ABB/LEGRAND
4	CHANGE OVER SWITCH	ABB/L&T/LEGRAND/HAVELL'S/HPL
5	MOTOR STARTERS	SIEMENS/LEGRAND/L&T/CGL
6	PUSH BUTTONS	SIEMENS/SCHNEIDER/ABB/L&T/LEGRAND
7	AL./CU. CONDUCTOR XLPE/PVC INSULATED POWER & CONTROL CABLE	POLYCAB/HAVELL'S/FINOLEX
8	FR AND PVC INSULATED STRANDED FLEXIBLE COPPER WIRES AS PER IS 694	FINOLEX/POLYCAB/HAVELL'S/LAPP
9	PVC RIGID CONDUIT HEAVY DUTY	FINOLEX/POLYCAB/AKG/PRECISION/BERLIA/HARSHA/PLAZA OTHER MAKE WITH APPROVAL OF ENGINEER INCHARGE BUT MINIMUM THICKNESS 1.5 MM FOR 20 MM & 2 MM FOR 25 MM AND ABOVE
10	MODULAR TYPE SWITCHES AND ACCESSORIES	CRAB TREE (VARONA)/HAVELLS
11	FTL/CFL/LED/ INDOOR LIGHTING	PHILIPS/CGL/BAJAJ/POLYCAB
12	MH/SV STREET/FOOD LIGHT FITTING, LAMPS & ACCESSORIES	PHILIPS/CGL/BAJAJ/POLYCAB
13	POST TOP & GARDEN LIGHTS	PHILIPS/CGL/BAJAJ/POLYCAB
14	HIGH MAST LIGHT	PHILIPS/CGL/BAJAJ/
15	ENERGY METERS	ALSTOM/SECURE/L&T/HPL
16	MEASURING INSTRUMENTS	AE/L&T/COSMO/HPL
17	CEILING FANS; 600MM, 800MM, 1200MM, 1400 MM (ENERGY EFF. WITH 5 STAR RATED AS PER BEE)	USHA/CGL/BAJAJ/POLYCAB
18	EXHAUST FAN/WALL FAN	USHA/CGL/BAJAJ/POLYCAB/HPL/HAVELL'S
19	TUBULAR/OCTAGONAL GALVANIZED/ M S POLES	ASTER/BANSAL/BAJAJ/SCHREDER/JINDAL

20	CT/PT	KAPPA/L&T/GE
21	PAINTS	BERGER/ASIAN/NEROLAC
22	SELECTOR SWITCH	KAYCEE/L&T/GE/AE
23	GEYSERS	BAJAJ/USHA/CGL/V-GUARD/JAGUAR
24	PANEL BUILDER	AS PER APPROVED BY ENGINEER-IN-CHARGE
25	CABLE TRAYS	LEGRAND/REXTON
26	HT CABLE JOINT AND END TERMINATION	3M/CCI/RAYCHEM
27	LT CABLE JOINT AND END TERMINATION	3M/CCI/RAYCHEM
28	CABLE LUG	DOWELS/ISMAL/JAINSON
29	GLAND	DOWELS/ISMAL/JAINSON/ELECTOWERKE
30	LED STREET/FLOOD LIGHTS	PHILIPS/CGL/BAJAJ/HALONIX
31	INSULATION TAP	ANCHOR/3M
32	ALL OTHER ITEMS	AS PER APPROVAL BY ENGINEER-IN-CHARGE
33	SWITCH SOCKET & ACCESSORIES	ANCHOR/HAVELLS
<p>NOTE:</p> <ol style="list-style-type: none"> UNIVERSITY MAY SELECT ANYONE MAKE FROM EACH ITEM/DIFFERENT MAKES FOR DIFFERENT LOCATIONS AND CONTRACTOR MUST TAKE APPROVAL FROM THE ENGINEER-IN-CHARGE FOR THE SAME BEFORE SUPPLY AND USE. COLOUR OF ITEMS SHOULD BE IN MATCH WITH INTERIOR COLOUR OF THE ROOM/BUILDING. SUPPLY ITEMS/INVOICE/SUPPLIER AUTHENTIC SHOULD BE VERIFIED BY ENGINEER-IN-CHARGE BEFORE FIXING/SUPPLY. 		

SCHEDULE OF RATE

(Estimate for Electrical maintenance work as per CG PWD SOR -2015)

The Scope of Work includes Electrical repair and maintenance with the following given items of work. The scope does not limit only to the items given below but also for items that are required in urgency will be taken up by the University from the items of SOR, otherwise, if the items are not in the SOR, a market rate analysis of the item as per university rules will be carried and the contractor has to execute the same based on the rate analysis and the tender rate quoted will be applicable on that item.

PWD SOR Code 2015	Description of Items	Unit	Rate	Qty	Amount
17.8	Supplying and laying following sizes one number PVC insulated/ XLPE, PVC sheathed, unarmoured, aluminium conductor power cable of 1.1 KV grade on surface/ existing cable tray with 1 mm thick GI saddle as required.				
17.8.1	2 x 4 sq. mm	Metre	68.00	200.0	13600
8.31	Supplying, installation, testing and commissioning of following 230/250 volts metal halide street light fitting with gear box, igniter, capacitor with IP 66 protection on pole bracket complete but without lamp as required.				
8.31.3	250 watt	Each	5449.0	5.00	27245
8.34	Supplying, fixing, testing and commissioning of following 230/250 volts metal halide lamp in existing lighting luminaries fixed on pole/ wall/ roof etc as required.				
8.34.7	250 Watt (E)	Each	1138.0	10.00	11380
11.1	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				
11.1.7	3 pole MCCB, 200A, Adjustable Thermal - Magnetic Release, 25KA	Each	10179.0	1.00	10179
11.1.8	3 pole MCCB, 250A, Adjustable Thermal - Magnetic Release, 25KA	Each	12069.0	1.00	12069
12.11	Providing and fixing following rating motor starter on metal board including, connections, testing and commissioning etc. as required.				
12.11.1	DOL single phase 16 amps	Each	1084.0	2.00	2168
12.11.3	DOL three phase 32 amps	Each	2458.0	3.00	7374
17.23	Supplying and making end termination with brass compression gland and aluminium lugs for following size armoured aluminium conductor power cable of 1.1 KV grade as required.				
17.23.13	3½ X 35 sq. mm (28 mm)	Each	168.00	10.00	1680
17.23.18	3½ X 150 sq. mm (45 mm)	Each	356.00	10.00	3560
21	POLE AND POLE ERECTION				
21.1	Supply of "H" beam steel pole as per IS specifications in standard length for over head line work:				
21.9	Supply and fixing following street light pole bracket on existing pole made out of 50 mm dia MS "B" class pipe welded to 300 mm long MS pole canopy of suitable dia at an angle of 102.50 including having MS triangular stiffener of size 150 X 50 X 5 mm thick, making arrangement for tightening the bracket with pole by				

	providing suitable size heavy duty nuts and bolts in canopy, painting with one coat of approved steel primer etc. as required.				
21.9.3	Single Over Hang 1.50 metre Long	Each	1191.00	20.00	23820
22	OVER HEAD LINES				0
22.1.1	Stay rod (19/20mm dia 7.8 metre long) with anchor plate 300x300x6.4mm in CC but excluding cost of CC	Set	551.00	10.00	5510
22.1.2	Stay wire 7/4.0mm dia	kg	41.00	50.0	2050
22.1.3	Stay wire 7/3.15mm dia	kg	26.00	100.0	2600
22.1.4	Turn buckle (19/20mmx60mm)	Each	253.00	20.00	5060
22.1.5	MV Strain insulator	Each	34.50	20.00	690
22.1.6	Bow tightener	Each	160.00	20.00	3200
22.1.7	MV Shackle insulator 75x90mm with G.I. bolts and nuts	Each	46.50	20.00	930
22.1.8	MV Shackle insulator 100x110mm with G.I. bolts and nuts	Each	80.50	20.00	1610
22.1.9	MV Pin insulator 100x80mm with G.I. spindle and nuts etc.	Each	43.50	20.00	870
22.1.12	DC cross arm made of MS channel 100x50x5 mm @ 9.56 kg/m	Metre	606.00	5.00	3030
22.2	Supplying and erection of stay set complete (galvanized) with 19/20mm dia x 1.8 metre long stay rod, anchor plate of size 300mm x 300mm x 6.4 mm, thimble stay clamps, turn buckle (19/20mm x 600mm), strain insulator and specified G.I. stay wire etc. in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required.				0
22.2.1	With 7/4.00 mm dia G.I. stay wire	Each	3415.00	2.00	6830
22.14	Supplying and erection of guard for existing overhead lines as required including split insulator as required.				
22.14.2	Hexagonal type	Each	44.50	100.0	4450
22.14.3	Ring type	Each	44.50	100.0	4450
22.16	Supplying and erection aerial fuse complete as required.				
22.16.1	15 amp	Each	90.50	25.00	2262.5
22.16.2	30 amp	Each	113.00	25.00	2825
22.18	Supplying and fixing approved make 11 KV glazed porcelain pin insulator with G.I. spindle on existing pole bracket with necessary materials as required:	Each	236.00	30.00	7080
22.19	Supplying and fixing approved make 11 KV glazed porcelain disc type insulator with tension hardware on existing pole/ support/ cross arm channel as required complete:	Each	1210.0	5.00	6050
22.20	Supplying and erection of 11 KV gang operated air break switch on existing two pole structure with insulators and all other accessories complete including locking arrangement as required.	Set	7005.0	3.00	21015
22.21	Supplying and erection of 11 KV D.O. fuse unit on existing two pole structure with insulators and all other accessories complete including locking arrangement as required.	Set	4127.0	3.00	12381
22.22	Supplying and erection of three piece nonlinear resistor type lightning arrester suitable for 3 wire, 11 KV overhead lines with rated voltage 9 KV (rms) with a nominal discharge current rating of 5 KA and complete with galvanised clamping arrangement, G.I. bolts, nuts, washers etc. as required.	Set	6021.0	6.00	36126
22.32	Supply and erection standard ACSR (aluminium conductor steel reinforced) conforming to IS 398-1961 of approved make at existing insulator at height upto 14m from ground level including stringing, binding with insulator, jointing wherever required, jumpering,				0

	tearing off connection etc complete etc. as required including clearing off obstacle if any:				
22.32.2	Weasel 6/1/2.59mm dia with calculated aluminium area 31.61 sq.mm , weight 128 kg/ km (80 amps)	Km	28021	1.00	28021
24	H T EQUIPMENT'S & DG SETS				0
26	WATER SUPPLY PUMPS				0
26.10	Supply, installation, testing and commissioning of 5-7.5 HP 3 phase submersible motor starter cum control wall/ floor mounted type made out of not less than 1.6 mm thick MS sheet and comprising of following panel mounting switchgears there in including connection inter-connection etc. as required.a) Phase indicating lamps with fuses and toggle switches 1 setb) 5/7.5 HP 3 phase DOL starter with over load and no volt relay 1 Noc) 32 A "C" curve TPMCB 1 Nod) Voltmeter 0-500 V with selector switch 1 sete) Ammeter 0-10 A with CT's and selector switch 1 set.	Each	4253.0	1.00	4253
26.14	Supplying, laying and fixing following size submersible cable along with GI/PVC/HDFC pipe line or laid in ground etc as required				
26.14.2	3x2.5 sqmm	Metre	67.50	100.0	6750
26.14.3	3x4.0 sqmm	Metre	99.00	200.0	19800
31.9	Dismantling the existing armoured / unarmoured power cable from surface including recoiling of dismantled cable and shifting to department store.				
31.9.1	Upto 35 sqmm	Metre	1.80	200.0	360
31.9.2	Beyond 35 sqmm and upto 95 sqmm	Metre	2.20	200.0	440
31.10	Dismantling of existing underground power cable from ground and refilling the trench upto ground level including recoiling of dismantled cable and shifting to department store.				
31.10.1	Upto 35 sqmm	Metre	38.00	100.0	3800
31.10.2	Beyond 35 sqmm and upto 95 sqmm	Metre	38.50	100.0	3850
14.4	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe, with charcoal and salt as required.	Set	6754.0	20.0	135080
14.5	Supplying and laying 8 SWG copper wire at 0.50 metre below ground level for conductor earth electrode, including soldering etc. as required.	Metre	76.00	150.0	11400
4	WIRING IN SURFACE PVC CONDUIT				
4.1	Wiring for light/ fan/ exhaust fan / call bell point with 1.5 sqmm FR PVC insulated stranded copper conductor single core cable in surface PVC conduit, with 5 amp piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with same size cable etc as required.				
4.1.1	Short Point	Point	213.00	200.0	42600
4.1.2	Medium Point	Point	356.00	200.0	71200
4.1.3	Long Point	Point	506.00	200.0	101200
4.4	Wiring for light plug point with 2x2.5 sq mm FR PVC insulated stranded copper conductor cable in surface PVC conduit along with piano type 6 amp switch and 3 pin 6 amps socket outlet with suitable size M.S. box, phenolic laminated sheet, earthing the				0

	switch box and socket outlet with same size cable etc. as required.				
4.4.1	Short Point	Point	316.00	50.0	15800
4.4.2	Medium Point	Point	550.00	50.00	27500
4.4.3	Long Point	Point	822.00	5.00	4110
4.5	Wiring for power plug point with 2x4 sq mm FR PVC insulated stranded copper conductor cable in surface PVC conduit along with piano type 16 amp switch and 6 pin 16 amps socket outlet with suitable size M.S. box, phenolic laminated sheet, earthing the switch box and socket outlet with same size cable etc. as required.				0
4.5.1	Short Point	Point	465.00	50.00	23250
4.5.2	Medium Point	Point	781.00	50.00	39050
4.5.3	Long Point	Point	1163.0	20.00	23260
8.30	Supplying, installation, testing and commissioning of following 230/250 volts LED street light fitting with all accessories like driver, heat sink made of die cast aluminium with IP 66 protection and 5 KV surge protection on pole bracket complete as required and furnishing 2 Yrs Guarantee certificate from manufacturer.				
8.30.1	25-30 watt	Each	4890.0	40.00	195600
8.30.3	60 watt	Each	10115.0	20.00	202300
8.30.4	90 watt	Each	18616.0	15.00	279240
4.13	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface PVC conduit etc as required.				
4.13.2	3 X 2.5 sq. mm in 20mm conduit	Metre	95.00	100.0	9500
6	METAL, WOODEN AND PVC BOXES				0
6.2	Supplying and fixing of following sizes wooden switch box made of wooden plank side wall and base including 3mm thick phenolic laminated sheet cover on surface complete as required				0
6.2.1	100mmX100mm	Each	55.00	50.0	2750
6.2.2	150mmX75mm	Each	58.00	50.0	2900
6.2.3	150mmX150mm	Each	76.50	100.0	7650
6.2.4	180mmX100mm	Each	69.50	100.0	6950
6.2.5	200mmX150mm	Each	88.50	50.0	4425
6.2.6	250mmX200mm	Each	94.50	50.00	4725
6.2.7	300mmX350mm	Each	116.00	50.00	5800
7	SWITCHES & ACCESSORIES				
7.1	Supplying and fixing following piano type switch, socket, other accessories on the existing switch box/ cover including connections etc. as required.				0
7.1.1	5/6 amps one way switch	Each	23.00	700.00	16100
7.1.4	15/16 amps switch	Each	69.50	200.0	13900
7.1.5	3 pin 5/6 amp socket outlet	Each	36.00	500.0	18000
7.1.6	6 pin 15/16 amp socket outlet	Each	69.50	200.0	13900
7.1.12	Fan regulator Electronic, step type moving all round	Each	178.00	100.0	17800
7.1.13	Ceiling rose 3 pin 5 amps	Each	28.00	200.0	5600

7.1.15	Batten/ angle holder	Each	37.50	100.0	3750
7.5	Providing and fixing 16/32 amp DP surface switch with neon on suitable size wooden box including connection, testing etc. complete.	Each	139.00	50.00	6950
8	FANS, LUMINARIES AND LAMPS				0
8.1	Supplying, installation, testing and commissioning of following sizes ceiling fan including wiring the down rods of standard length up to 30 cm with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable, earthing etc. complete as required.				
8.1.2	1200 mm sweep	Each	1503.0	100.00	150300
8.4	Supplying and fixing of wall/ cabin fan of 400mm sweep including connection etc. as required.	Each	2282.00	30.00	68460
8.6	Supplying, installation, testing and commissioning of following sizes heavy duty (continuous running) 1400 rpm exhaust fan in existing opening in wall including earthing etc. complete as required.				
8.6.2	380 mm sweep	Each	3079.00	10.00	30790
8.6.3	450 mm sweep	Each	4228.00	5.00	21140
8.8	Supplying, installation, testing and commissioning of following sizes fancy exhaust fan having built in lovers in existing opening in wall including earthing etc. complete as required.				
8.8.1	225 mm sweep	Each	1229.00	5.00	6145
8.8.2	300 mm sweep	Each	1319.00	5.00	6595
8.3	Providing and fixing phenolic laminated sheet cover of 180 mm dia 3 mm thick on the fan box etc. as required. (If provided at the time of installation of ceiling fan)	Each	45.50	100.0	4550
8.5	Supplying and fixing of resistance type ceiling fan regulator, in/ on existing switch box including connection, earthing etc. as required.	Each	118.00	50.0	5900
8.9	Supplying, installation, testing and commissioning of following surface/ concealed type fluorescent fitting (luminaries) complete with electronic ballast/ copper ballast glow type starter but without fluorescent lamp, on ceiling/ wall surface, earthing the fitting etc. as required.				
8.9.1	4' x 40 W single patti type	Each	272.00	100.0	27200
8.12	Supplying, fixing, testing and commissioning of following 230/250 volts fluorescent lamp (tube) in existing lighting luminaries as required.				
8.12.1	4' x 36/40 watt	Each	51.00	300.0	15300
8.19	Supplying, fixing, testing and commissioning of following CFL without ballast in existing CFL lighting luminaries as required.				0
8.19.5	36W CFL (without choke)	Each	176.00	50.00	8800
8.36	Supplying, fixing, testing and commissioning of approved make following 230/250 volts electronic ballast in existing luminaries at all locations as required.				
8.36.1	For 36/40 watt T8 flu. Fitting	Each	253.00	50.00	12650
8.37	Supplying, fixing, testing and commissioning of glow type starter suitable for 36/40 watt T8 230/250 volts flu. lamp in existing luminaries at all locations as required.	Each	23.00	100.0	2300

8.41	Supplying, fixing, testing and commissioning of following 230/250 volts capacitors in existing ceiling fans/ exhaust fan at all locations as required.				0
8.41.2	2.5 MFD	Each	95.00	100.0	9500
9.8	Supplying and fixing metal clad busbar chamber made of 1.6 mm thick CRCA sheet with 4 strip copper busbars of following capacity and length, complete with all accessories, including earthing the body etc. as required.				0
9.8.2	100 amps x 450mm long	Each	2438.0	5.00	12190
9.8.3	100 amps x 600mm long	Each	2997.0	5.00	14985
9.8.4	200 amps x 300mm long	Each	2389.0	5.00	11945
9.9	Providing and fixing metal clad, SP&N switch fuse unit (re-wirable), 230/250 volts, with porcelain re-wireble fuses including drilling holes on the board, connections, earthing the body etc. as required. (Thimbeling shall be paid separately).				0
9.9.1	32 amps	Each	931.00	20.00	18620
9.9.2	63 amps	Each	1676.0	10.00	16760
9.10	Providing and fixing metal clad, TP&N switch fuse unit (re-wirable), 415/500 volts, with porcelain re-wireble fuses including drilling holes on the board, connections, earthing the body etc. as required. (Thimbeling shall be paid separately).				0
9.10.3	100 amps	Each	3306.0	5.00	16530
9.10.4	200 amps	Each	5067.00	10.00	50670
9.21	Supply, installation, testing and commissioning of 4 pole (3 phase + neutral) copper (electric grade) bus bars in existing cubicle type compartmentalized wall/ floor mounted panel board along with suitable size and shape insulators, necessary bolts and nuts etc complete as required.				0
9.21.1	100 amp (20x3mm)	Metre	1262.0	5.00	6310
9.21.2	200 amp (25x5mm)	Metre	2270.0	5.00	11350
9.21.3	300 amp (40x5mm)	Metre	2533.0	5.00	12665
11	MCCB, MCB, MCBDB				0
11.2	Supplying and fixing on surface/ recess following way, 240 volts SP&N MCB distribution board of sheet steel phosphatized and powder painted complete with tinned copper busbar, neutral busbar, earth bar, din bar, detachable gland plate, including interconnections, earthing etc. as required. (But without MCB/RCCB/Isolator)				0
11.2.1	4 way, Single door	Each	602.00	10.00	6020
11.2.2	8 way, Single door	Each	736.00	10.00	7360
11.2.3	12 way, Single door	Each	846.00	10.00	8460
11.2.4	16 way, Single door	Each	1017.00	10.00	10170
11.12	Supplying and fixing DP MCB, 240 volts, 'C' curve, suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as required.				0
11.12.2	6 amps to 32 amps	Each	428.00	20.00	8560
11.12.3	40 amps	Each	684.00	20.00	13680
11.12.5	63 amps	Each	684.00	20.00	13680
11.18	Supplying and fixing following rating, 240 volts TWO POLE ISOLATOR in the existing MCB DB complete with connections, testing and commissioning etc. as required.				0

11.18.2	40 amps	Each	271.00	40.00	10840
11.19	Supplying and fixing following rating, 415 volts, FOUR POLES, ISOLATOR in the existing MCB DB complete with connections, testing and commissioning etc. as required.				0
11.19.1	40 amps	Each	593.00	20.00	11860
11.19.2	63 amps	Each	645.00	10.00	6450
12	ACB, STARTER, CONTACTOR, PANEL ACCESSORIES				0
12.16	Providing and fixing single phasing preventer in existing panel including connection, testing and commissioning as required.	Each	478.00	10.00	4780
14.5	Supplying and laying 8 SWG copper wire at 0.50 metre below ground level for conductor earth electrode, including soldering etc. as required.	Metre	76.00	100.0	7600
31.3	Repairing wall/ ceiling surface along dismantled surface conduit point wiring by refilling the hole with cement mortar & finished with matching distemper/ paint.	Point	1.40	200.0	280
31.4	Repairing wall/ ceiling surface along dismantled surface circuit/ sub main wiring by refilling the hole with cement mortar & finished with matching distemper/ paint.	Metre	0.50	300.0	150
31.5	Dismantling the existing ceiling / exhaust fan / cabin fan with accessories including shifting of dismantled material to department store.	Each	22.50	100.0	2250
31.6	Dismantling the all sizes indoor lighting luminaries from wall/ ceiling with accessories including shifting of dismantled material to department store.	Each	13.50	200.0	2700
31.7	Dismantling the all sizes outdoor lighting luminaries from wall/ roof with accessories including shifting of dismantled material to department store.	Each	31.00	50.0	1550
31.12	Dismantling of DP/T.P/TPN switch or D.B. of following capacity from angle iron board/ cubical panel including shifting of dismantled material to department store.				
31.12.1	Upto 125 amps	Each	35.50	100.0	3550
31.12.2	Above 125 amps	Each	44.50	50.00	2225
31.13	Dismantling of angle iron board/ cubical panel including repairing the wall, shifting of dismantled material to department store. (front area to be measured)	sqm	153.00	10.00	1530
32	MINOR CIVIL WORKS				0
32.9	Plastering 15 mm thick on brick work/ CC surface with cement mortar 1:4 (1 cement : 4 fine sand) at all levels.	sqm	111.00	50.00	5550
32.10	Cement mortar 1:4 (1 cement : 4 coarse sand).	cum	2654.0	3.00	7962
33	MAINTENANCE				0
33.1	Rewinding of ceiling fan by copper enameled wire of suitable gauge including all other required material i.e. insulation varnish, connection leads, oiling greasing etc complete with testing including dismantling & refitting of fan at site. (old copper wire will become the property of contractor)				0
33.1.1	48" (1200 mm sweep)	Each	368.00	40.00	14720
33.3	Cleaning, overhauling, servicing of ceiling/ Exhaust / wall bracket fan including greasing/ oiling, replacement of safety pins, check nuts, lock nut, nut bolts etc. making perfect alignment including dismantling and refitting at site as required.	Each	104.00	50.00	5200
33.4	Replacement of defective ball bearing by approved make of suitable size bearing of all size of ceiling fan during overhauling as required.	Each	53.50	50.00	2675

33.5	Replacement of defective ball bearing by approved make of suitable size bearing of all size of ceiling fan including dismantling, disassembling, assembling and refitting as required.	Each	82.50	50.00	4125
33.11	Painting of following height steel tubular poles with two coat of enamel paint of approved brand and colour including cleaning the surface as required:				0
33.11.3	Above 8 metre and upto 10 metre	Each	248.00	10.00	2480
33.11.4	Above 10 metre and upto 12 metre	Each	331.00	10.00	3310
33.12	Painting of following height steel tubular poles with two coat of aluminium paint of approved brand including cleaning the surface as required:				0
33.12.2	Above 6 metre and upto 8 metre	Each	201.00	10.00	2010
33.12.4	Above 10 metre and upto 12 metre	Each	402.00	10.00	4020
33.14	Painting new steel and other metallic surface with red oxide zinc chromide primer paint complete with supply of material labour etc. including preparation of surface.	sqm	124.00	20.00	2480
34.63	Supplying of aluminium lugs				
34.63.6	Aluminium lugs for 35 sq. mm cable	Each	3.80	50.00	190
34.63.7	Aluminium lugs for 50 sq. mm cable	Each	5.70	50.00	285
34.63.8	Aluminium lugs for 70 sq. mm cable	Each	8.50	20.00	170
34.63.9	Aluminium lugs for 95 sq. mm cable	Each	9.40	20.00	188
34.63.10	Aluminium lugs for 120 sq. mm cable	Each	13.00	50.00	650
34.63.11	Aluminium lugs for 150 sq. mm cable	Each	17.00	50.00	850
34.63.12	Aluminium lugs for 185 sq. mm cable	Each	21.50	20.00	430
34.63.13	Aluminium lugs for 225 sq. mm cable	Each	30.00	10.00	300
34.63.14	Aluminium lugs for 240 sq. mm cable	Each	36.50	10.00	365
34.63.15	Aluminium lugs for 300 sq. mm cable	Each	51.00	50.00	2550
34.63.16	Aluminium lugs for 400 sq. mm cable	Each	74.00	50.00	3700
9.11	Providing and fixing porcelain re-wireable fuse carrier and base unit on wooden board including drilling holes on the board, screws, connections etc. as required.				0
9.11.1	16 amps	Each	57.00	5.00	285
9.11.2	32 amps	Each	85.50	10.00	855
9.11.3	63 amps	Each	157.00	10.00	1570
9.11.4	100 amps	Each	275.00	10.00	2750
9.11.5	200 amps	Each	524.00	20.00	10480
9.11.6	300 amps	Each	754.00	20.00	15080
17.1	Supplying and laying following sizes one number PVC insulated/ XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.				0
17.1.12	3.5 x 35 sq. mm.	Metre	347.00	70.00	24290
17.1.14	3.5 x 70 sq. mm.	Metre	479.00	100.00	47900
17.1.16	3.5 x 120 sq. mm.	Metre	639.00	100.00	63900
17.1.20	3.5 x 300 sq. mm.	Metre	1229.00	50.00	61450
17.1.22	4 x 10 sq. mm.	Metre	278.00	100.00	27800
	Supplying and drawing following sizes of FR PVC insulated copper				

	conductor, single core cable in the existing surface/ concealed, steel/ PVC conduit/ PVC casing capping as required.				
5.11.11	2 x 2.5 sq. mm	Metre	46.50	100.0	4650
5.11.12	3 x 2.5 sq. mm	Metre	64.50	100.0	6450
8.31	Supplying, installation, testing and commissioning of following 230/250 volts metal halide street light fitting with gear box, igniter, capacitor with IP 66 protection on pole bracket complete but without lamp as required.				
8.31.3	250 watt	Each	5449.0	10.00	54490
8.34	Supplying, fixing, testing and commissioning of following 230/250 volts metal halide lamp in existing lighting luminaries fixed on pole/ wall/ roof etc as required.				
8.34.7	250 Watt (E)	Each	1138.0	30.00	34140
8.34.8	400 watt (E)	Each	1138.00	20.00	22760
17	MV CABLE LAYING (1.1 KV)				
17.1	Supplying and laying following sizes one number PVC insulated/ XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
17.1.11	3.5 x 25 sq. mm.	Metre	316.00	100.0	31600
17.16	Laying of following size one number power cable of 1.1 KV grade direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
17.16.1	Upto 35 sqmm	Metre	182.00	100.0	18200
21.9	Supply and fixing following street light pole bracket on existing pole made out of 50 mm dia MS "B" class pipe welded to 300 mm long MS pole canopy of suitable dia at a angle of 102.50 including having MS triangular stiffner of size 150 X 50 X 5 mm thick, making arrangement for tightening the bracket with pole by providing suitable size heavy duty nuts and bolts in canopy, painting with one coat of approved steel primer etc. as required.				
21.9.3	Single Over Hang 1.50 metre Long	Each	1191.00	30.00	35730
21.9.5	Double Over Hang 1.00 metre Long	Each	1472.0	5.00	7360
11.2	Supplying and fixing on surface/ recess following way, 240 volts SP&N MCB distribution board of sheet steel phosphatized and powder painted complete with tinned copper busbar, neutral busbar, earth bar, din bar, detachable gland plate, including interconnections, earthing etc. as required. (But without MCB/RCCB/Isolator)				
11.2.1	4 way, Single door	Each	602.00	30.00	18060
	Supplying and fixing SP MCB, 240 volts, 'B' curve, suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
11.10.1	6 amps to 32 amps	Each	154.00	50.00	7700
8.38	Supplying, fixing, testing and commissioning of approved make following 230/250 volts polyester filled copper wound ballast in existing luminaries at all locations as required.				
8.38.4	For 250 watt HPSV/ Metal halide fitting	Each	2012.00	20.00	40240
8.38.5	For 400 watt HPSV/ Metal halide fitting	Each	2884.00	5.00	14420
34.36	Supplying of following 230/250 volts Ignitors for 70-400 watt	Each	153.00	40.00	6120
8.42	Supplying, fixing, testing and commissioning of following 230/250				

	volts capacitors for single phase motor at all locations as required.				
8.42.8	30 MFD	Each	202.00	20.00	4040
	Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ concealed, steel/ PVC conduit/ PVC casing capping as required.				
5.11.20	3 x 4 sq. mm	Metre	91.50	200.0	18300
5.11.12	3 x 2.5 sq. mm	Metre	64.50	100.0	6450
8.22	Supplying, fixing, testing and commissioning of following LED lamps with inbuilt electronic driver heat sink and all other accessories in existing holder/ luminaries as required and furnishing 2 Yrs Guarantee certificate from manufacturer.				
8.22.3	7 Watt	Each	781.00	20.0	15620
8.22.4	9 Watt	Each	973.00	20.0	19460
17	MV CABLE LAYING (1.1 KV)				
17.1	Supplying and laying following sizes one number PVC insulated/ XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
17.1.11	3.5 x 25 sq. mm.	Metre	316.00	30.0	9480
11.5	Supplying and fixing on surface/ recess vertical type following way, 415 volts, TPN MCB distribution board of sheet steel phosphatized and powder painted, with 200 amps tinned copper busbar, common neutral link, earth bar, din bar, detachable gland/ knock out plate, including interconnections, earthing etc. as required. (But without MCB/RCCB/Isolator) (Note: Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
11.5.1	4 way (4 + 12), Single door	Each	3853.00	1.00	3853
	Supplying and fixing SP MCB, 240 volts, 'B' curve, suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
11.10.1	6 amps to 32 amps	Each	154.00	10.00	1540
11.14	Supplying and fixing TP MCB, 440 volts, 'C' curve, suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
11.14.5	63 amps	Each	1048.00	1.00	1048
9.10	Providing and fixing metal clad, TP&N switch fuse unit (re-wirable), 415/500 volts, with porcelain re-wireble fuses including drilling holes on the board, connections, earthing the body etc. as required. (Thimbeling shall be paid separately).				0
9.10.3	100 amps	Each	3306.0	1.00	3306
			Total Rs.		2992595.5
Important Note: Items which are not given in the schedule will be taken if required from the CG PWD SOR 2015 if required and the rate of contract will be applicable on the same and is binding on the contractor.					
				Say Rs.	3000000.0
					Rs. Thirty lakh only

SUB ENGINEER (ELECTRICAL)

UNIVERSITY ENGINEER (I/C)

PART-C

(PRICE BID(FORMAT))
Intending tenderer shall quote rate percentage Below/At Par / Above
Special Instructions To Tenderer

PRICE BID (FORMAT)**Percentage BoQ**

Tender Inviting Authority: REGISTRAR, GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)						
Name of Work: ELECTRICAL REPAIR & MAINTENANCE WORK/2019						
Contract No: Nle-T No. 34/ENGG/GGV/ELEC. R&M WORK /2019						
Name of the Bidder/ Bidding Firm / Company :						
<u>PRICE SCHEDULE</u>						
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)						
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units of Items of DSR-2014	Estimated Rate in Rs. P	Total Amount Inclusive of All (Taxes..etc.)in Rs. P	Total Amount in In Words
1	2	4	5	6	53	55
1.0	Items & Quantities of the work of "ELECTRICAL REPAIR & MAINTENANCE WORK/2019 "as per Schedule of Quantities/Rates"	1.000	Units as per the Given Schedule of Quantities	3000000.00	3000000.00	INR Thirty Lakh Only
Total in Figures					3000000.00	INR Thirty Lakh Only
Quoted Rate in Figures			Select		0.00	INR Zero Only
Quoted Rate in Words			INR Zero Only			

Note :

- 1) The bidder has to quote rates on percentage basis by selecting "Select" for Excess (+) or Less (-) or for at par i.e. 0% in Excess (+)/0% in Less (-) of the total estimated amount as per the Schedule of rates of work in S.L. No.1.0
- 2) The bidder is advised to mention the offer percentage only in the respective cell (Col. 6) next to the cell where the "Select" cell (Col. 5) is present. After selecting the select cell, two options i.e. Excess (+) or Less (-) will be popped up, after selecting the respective, enter the offer percentage in the cell next to "Select" cell. Then the total offer price of the Tender will be automatically appears in figures in Col. No. 53 and in words in the Column No. 55 of respective cells. Check the offer value in figures and in words also before submitting.
- 3) Percentage Rates are to be quoted by the Tenderer shall be inclusive of all (GST, Levies, and Taxes etc.)

SPECIAL INSTRUCTIONS TO TENDERER

REGARDING EOI/Nie-T No. **34/ENGG/GGV/ELEC. R&M WORK/2019**

The intending Tenderer shall be required to submit the EOI/Bid of the e-tender in the following manner.

- 1) The Tenderer has to send the Original DD of the Tender Cost/Bid Cost and Original DD/FDR of Earnest Money Deposit (EMD), of any scheduled bank drawn infavour of the "REGISTRAR, GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.) in a sealed envelope to the University Engineer (UE), GGV, Bilaspur. It should be clearly super scribed on the top of the envelop the e-Tender Notice No. **Nie-T No. 34/ENGG/GGV/ELEC. R&M WORK/2019**. These DD & EMD should reach the University Engineer, Guru Ghasidas Vishwavidyalaya, Bilaspur, before the last date and time of Tender Submission.
- 2) The tenderer has to submit the Bid online in the e-Tendering website (www.eprocure.gov.in) with the following details
 - a) Technical BID
 - i. The Tenderer has to upload the e-tender and all related documents (including the corrigendum/ instructions/ notices till the last of submission if any) properly signed where ever required.
 - ii. The Tenderer has to upload file of the scanned copy of the Original DD of the **Tender Cost** in the required format
 - iii. The Tenderer has to upload file of the scanned copy of the Original DD of the Earnest Money Deposit (**EMD**) in the required format.
 - iv. The Tenderer has to upload file of the scanned Copy of Registration Certificate in appropriate Category, (i.e. working capacity equal to/more than Rs. 30.00 lakh) of the contractor as per the eligibility criteria.
 - v. The Tenderer has to upload file of the scanned Copy of Experience Certificate of appropriate amount & works mentioned in the tender.
 - vi. The Tenderer has to upload file of the scanned Copy of Income Tax Return certificate of previous year with pan card.
 - vii. The Tenderer has to upload file of the scanned Copy of GST Registration Certificate.
 - viii. The Tenderer has to upload file of the scanned Copies of all the other documents in support of information furnished in the tender.
 - b) Financial BID
 - ii. The Tenderer has to upload the Financial bid/BOQ properly where ever required in the following e-Tendering website (www.eprocure.gov.in)

By Order

University Engineer (I/C)