



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. 57(R)/ENGG/GGV/ELEC.WORK/ ACADEMIC & NON ACADEMIC BUILDINGS ETC /2022, BILASPUR, Date 01/09/2022
Name of Work	"ELECTRICAL R & M WORKS/ ACADEMIC & NON ACADEMIC BUILDINGS ETC/2022"AT GURU GHASIDAS VISHWAVIDYALAYA CAMPUS, BILASPUR. (C.G.)
Estimated Cost	Rs. 20,00,000.00(Inclusive All)
Tender Cost	Rs. 2,500/- (in form of D.D.)
Earnest Money Deposit	Rs.40,000/- (in the form of D.D./FDR)
Period of Completion	03 months (Three-months) from date of work order
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 for Percentage Rate Tender

e-TENDER FOR **ELECTRICAL R & M WORKS/ ACADEMIC & NON ACADEMIC BUILDINGS ETC /2022**"AT GURU GHASIDAS VISHWAVIDYALAYA CAMPUS, BILASPUR. (C.G.)

Reference Nle-T No.	:	NI e-T No. 57(R)/ENGG/GGV/ELEC.WORK/ ACADEMIC & NON ACADEMIC BUILDINGS ETC. Date: 01/09/2022
Name of Work	:	"ELECTRICAL R & M WORKS/ ACADEMIC & NON ACADEMIC BUILDINGS ETC /2022"AT GURU GHASIDAS VISHWAVIDYALAYA CAMPUS, BILASPUR. (C.G.)
Estimated Cost	:	Rs 20,00000.00(Inclusive All)
Earnest Money Deposit	:	Rs. 40,000/- (In form of D.D./FDR)
Tender Cost	:	Rs. 2500/- (In form of D.D.)
Period of Completion	:	3 months (Three-months) from date of work order
Tender Document	:	Available online through the websites <u>www.ggu.ac.in</u> and <u>www.eprocure.gov.in</u>
Made of Submission	:	Online through <u>www.eprocure.gov.in</u>
Tender Document Download Start Date	:	01/09/2022 ,from 03.00 PM
Tender Document Download End Date	:	15/09/2022 up to 03.00 PM
Tender Cost	:	Rs. 2500/- (in form of D.D.)
Start date of submission of e-Tender/ Eol	:	01/09/2022 from 03.00 PM
Last date of submission of e-Tender / Eol	:	15/09/2022 up to 03.00 PM
Technical Bid opening Date	:	16/09/2022 at 03.30 PM
Financial Bid opening Date	:	Will be notified later through <u>www.eprocure.gov.in</u>
Corrigendum (if any)	:	Will be notified through <u>www.eprocure.gov.in</u>

INDEX**NAME OF WORK "ELECTRICAL R & M WORKS/ ACADEMIC & ADMINISTRATIVE BUILDINGS /2022" AT GURU GHASIDAS VISHWAVIDYALAYA CAMPUS, BILASPUR. (C.G.)**

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

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

PART-A

e-TENDER NOTICE
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)

कोनी, बिलासपुर-495009 (छ.ग.)

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Website : www.ggu.ac.in

Nie-T No 57(R)/ENGG/GGV/ELEC.WORK/ ACADEMIC & NON ACADEMIC BUILDINGS ETC., BILASPUR, Date 30/08/2022

e-Tender Notice

e-TENDER/EoI/RFP

for

e-Tender FOR ELECTRICAL R & M WORK/2022 AT GGV BILASPUR CAMPUS

Guru Ghasidas Vishwavidyalaya (a Central University), Bilaspur, (C.G.), invites online **percentage rate-Tender** for the "ELECTRICAL WORK **ACADEMIC & NON ACADEMIC BUILDINGS ETC /2022**" with following details

Reference Nie-T No.	:	57(R)/ENGG/GGV/ELE. WORK/ ACADEMIC & NON ACADEMIC BUILDINGS ETC. /2022 Date: 30/08/2022
Name of Work	:	"ELECTRICAL R & M WORKS/ ACADEMIC & NON ACADEMIC BUILDINGS ETC /2022"AT GURU GHASIDAS VISHWAVIDYALAYA CAMPUS, BILASPUR. (C.G.)
Estimated Cost	:	Rs. 20,00,000.00(Inclusive All)
Tender Cost	:	Rs. 2,500/-(in form of D.D.)
Earnest Money Deposit	:	Rs.40,000/- (in form of D.D./FDR)
Period of Completion	:	03 months (Three-months)
Last date of submission of e-Tender	:	15/09/2022 Up to 03.00 PM
Technical Bid opening Date	:	16/09/2022 at 03.30 PM

The bid forms, other details, formats, terms & conditions regarding the e-Tender 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 any one of the 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 and, (vii) PSUs.

Name of work: "ELECTRICAL R & M WORKS/ ACADEMIC & NON ACADEMIC BUILDINGS ETC /2022"

Reference NI e-T No.	: 57(R)/ENGG/GGV/ELECTRICAL R & M WORKS/ ACADEMIC & NON ACADEMIC BUILDINGS ETC /2022" BILASPUR, Date 30/08/2022
Name of Work	: "ELECTRICAL R & M WORKS/ ACADEMIC & NON ACADEMIC BUILDING ETC /2022" AT GURU GHASIDAS VISHWAVIDYALAYA CAMPUS, BILASPUR. (C.G.)
Estimated Cost	: Rs. 20,00,000/-(Inclusive All)
Tender Cost	: Rs. 2,500/- (in form of D.D.)
Earnest Money Deposit	: Rs.40,000/-(in form of D.D./FDR)
Period of Completion	: 03 months (Three -months)
Last date of submission of EoI/e-Tender	: 15/09/2022 Up to 03.00 PM
Technical Bid opening Date	: 16/09/2022 at 03.30 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 submitted 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 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.40,000/** -in the form of Demand Draft (DD)or Fixed Deposit Receipt(FDR) from any Nationalized Bank in favor of “Registrar, Guru GhasidasVishwavidyalaya” 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/Nie-T No. 57(R)/ENGG/GGV/“**ELECTRICAL R & M WORKS/ ACADEMIC & NON ACADEMIC BUILDINGS ETC /2022 BILASPUR dt. 30/08/2022**”. The detail name and address of the tenderer must be mentioned on the envelope.

To,
The University Engineer,
Guru GhasidasVishwavidyalaya,
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.inmentioned 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 15/09/2022**
- 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 16/09/2022**. (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/CG State Electricity Board/PSUs, appropriate means the capacity of contractor should equal to/greater than Rs. **20.00 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 any one of the 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 R & M WORKS/ ACADEMIC & NON ACADEMIC BUILDINGS ETC./2022 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. 20,00,000/- (Rupees Twenty 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 31.03.2022.
 - **‘Similar work’** means ‘Electrical Works’.
 - 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 **3 months (Three months)** 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 The details of work are available.
- 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.40,000/-** 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.

The Tender Cost (as detailed in serial no 11 above) and the EMD(as detailed in serial no 12 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/NI e-T No. **57(R)/ENGG/GGV/ELECTRICAL R & M WORKS/ ACADEMIC & NON ACADEMIC BUILDINGS ETC. /2022**" 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

- 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-2020**.

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 In charge 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 R & M WORK/ ACADEMIC & NON ACADEMIC BUILDINGS ETC. /2022AT GURU GHASIDAS VISHWAVIDYALAYA CAMPUS, BILASPUR. (C.G.)	
	A1	Reference Nle-T No.	:		57(R)/ENGG/GGV/ELECTRICAL R & M WORKS/ ACADEMIC & NON ACADEMIC BUILDINGS ETC /2022"	
			(Time)	(Date)		
	A2	To be Uploaded Online latest by	:		Up to 03.00 P.M. on 15/09/2022	
	A3	To be opened by the authorized bid openers of the university	:		At 03.30 P.M. on 16/09/2022	

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. 40,000/-** 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 carry out such deviations as may be ordered, up to maximum of the percentage mentioned in Schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 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 2020**/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 WORK /2021"

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. 20,00,000/-**Earnest money: **Rs. 40,000/-**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) up to 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 2020 for Electrical 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)**

<p>1 to 30 days – First 50 % work. Next 31 to 60 days – remaining 50% work</p>

Time allowed for execution of work	03 (Three) months
Authority to decide	University Engineer, GGV, Bilaspur (C.G.) with permission of competent Authority
(i) Extension of Time	
(ii) Scheduling of mile-stones	University Engineer/ Competent Authority (GGV)

Clause 6, 6A

Clause applicable	6A
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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 2020 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 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 7 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 & equipment's, 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-2020 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-2020 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 **singnages** 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/ debris 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 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 envelopthe e-Tender Notice No. **"Nie-T No. 57(R)/ENGG/GGV: "ELECTRICAL R & M WORKS/ ACADEMIC & NON ACADEMIC BUILDINGS ETC /2022"** 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 **03 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/SURYA
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/HAVELLS
4	CHANGE OVER SWITCH	ABB/L&T/LEGRAND/HAVELL'S/HPL/CGL
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	ASTER/BANSAL/BAJAJ/SCHREDER/JINDAL

	GALVANIZED/ M S POLES	
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 work as per CG PWD SOR -2020)

Electrical Repairing, Maintenance & Renovation Work of Academic & Non Academic Buildings etc. as per CGPWD SOR-2020

Work Details : LED tube light work, ceiling fan , wall fan , Exhaust fan, wiring & Switch board, main switch, bus bar work etc.

SOR NO	Description	Unit	Rate	QTY	Amount
2	WIRING IN SURFACE PVC conduit				
2.1	Wiring for light/ fan/ exhaust fan / call bell point with 3x1.5 sqmm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in surface FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) with 5/6 amp piano type switch, phenolic laminated sheet, suitable size M.S. box etc as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)				
2.1.1	Short Point	Point	210.00	20	4200.0
2.1.2	Medium Point	Point	340.00	20	6800.0
2.1.3	Long Point	Point	494.00	20	9880.0
2.4	Wiring for light plug point with 3x2.5 sq mm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in surface FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) 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 switch box and socket outlet with same size wire etc. as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)				
2.4.1	Short Point	Point	280.00	15	4200.0
2.4.2	Medium Point	Point	515.00	1	515.0
2.4.3	Long Point	Point	762.00	5	3810.0
2.5	Wiring for power plug point with 3x4 sq mm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in surface FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) 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 wire etc. as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)				
2.5.1	Short Point	Point	415.00	10	4150.0
2.5.2	Medium Point	Point	704.00	10	7040.0
2.5.3	Long Point	Point	1038.00	10	10380.0

2.7	Wiring for light/ fan/ exhaust fan / call bell point with 3x1.5 sqmm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in surface FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) with 5/6 amp modular switch, modular base and cover plate, suitable size G.I. box as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)				
2.7.1	Short Point	Point	227.00	20	4540.0
2.7.2	Medium Point	Point	347.00	25	8675.00
2.7.3	Long Point	Point	465.00	20	9300.00
2.11	Wiring for power plug point with 3x4 sq mm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in surface FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) along with modular type 16 Amp switch and 6 pin 16 amps socket outlet with modular base and cover plate, suitable size G.I. box, earthing the switch box and socket outlet with same size wire etc. as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)				
2.11.1	Short Point	Point	518.00	5	2590.0
2.11.2	Medium Point	Point	817.00	10	8170.0
2.11.3	Long Point	Point	1157.00	1	1157.0
2.13	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, wire in surface FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) etc as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)				
2.13.2	3 X 2.5 sq. mm in 20mm conduit	Metre	87.00	100	8700.0
2.13.6	3 X 4 sq. mm in 25mm conduit	Metre	128.00	80	10240.0
2.13.7	3 X 6 sq. mm in 25mm conduit	Metre	166.00	20	3320.00
2.13.8	3 X 10 sq. mm in 25mm conduit	Metre	253.00	30	7590.0
2.15	Supplying and fixing of following sizes FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) along with accessories in surface complete as per specification and IS: 9537 (2000 Part 5)				
2.15.1	20 mm	Metre	32.00	50	1600.0
2.15.2	25 mm	Metre	39.00	50	1950.0
2.16	Supplying and fixing of following sizes PVC casing capping along with accessories in surface complete as per specification and IS: 9537 (2000 Part 5).				
2.16.1	20x12 mm	Metre	28.00	100	2800.0
2.16.2	25x16 mm	Metre	30.00	50	1500.0
4.2	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 per specification				

4.2.4	180mmX100mm	Each	71.00	20	1420.0
4.2.5	200mmX150mm	Each	80.00	20	1600.0
4.2.6	250mmX200mm	Each	79.00	20	1580.0
4.2.7	300mmX350mm	Each	101.00	15	1515.0
4.3	Supplying and fixing of following sizes PVC switch box suitable for modular switches with modular base and cover plates on surface complete as per specification				
4.3.2	118mmX94mm (3 Module)	Each	133.00	10	1330.0
4.3.3	150mmX94mm (4 Module)	Each	144.00	15	2160.0
4.3.4	205mmX94mm (6 Module)	Each	178.00	15	2670.0
4.3.5	8 Module	Each	216.00	15	3240.0
4.3.6	12 Module	Each	258.00	10	2580.0
4.5	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as per specification.				
4.5.1	1 Module	Each	48.00	20	960.0
4.5.2	2 Module	Each	48.00	20	960.0
4.5.3	3 Module	Each	58.00	25	1450.0
4.5.4	4 Module	Each	65.00	30	1950.0
4.5.5	6 Module	Each	84.00	20	1680.0
4.5.7	12 Module	Each	134.00	10	1340.0
4.5.8	16 Module	Each	174.00	10	1740.0
5	SWITCHES & ACCESSORIES				
5.1	Supplying and fixing following piano type switch, socket, other accessories on the existing switch box/ cover including connections etc. as per specification.				
5.1.1	5/6 amps one way switch	Each	25.00	100	2500.0
5.1.3	Bell push	Each	30.00	10	300.0
5.1.4	15/16 amps switch	Each	59.00	50	2950.0
5.1.5	3 pin 5/6 amp socket outlet	Each	42.00	50	2100.0
5.1.6	6 pin 15/16 amp socket outlet	Each	73.00	50	3650.0
5.1.7	Plug Top 3 pin 5/6 Amps (For light plug).	Each	38.00	20	760.0
5.1.8	Plug Top 3 pin 16 Amps (For power plug).	Each	51.00	20	1020.0
5.1.12	Fan regulator Electronic, step type moving all round	Each	130.00	215	27950.0
5.1.13	Ceiling rose 3 pin 5 amps	Each	32.00	50	1600.0
5.1.15	Batten/ angle holder	Each	38.00	30	1140.0
5.2	Providing and fixing composite board for computer points having piano type 1 No 6 pin 16 amp socket outlet, 1 No 16 amp switch and 3 Nos 3 pin 6 amp socket outlets, 3 Nos 6 amp switches, suitable M.S box, 3mm thick phenolic laminated sheet cover including painting etc. as per specification.	Each	539.00	5	2695.0

5.3	Providing and fixing composite board for computer points having piano type 1 No 6 pin 16 amp socket outlet, 1 No 16 amp switch and 3 Nos 3 pin 6 amp socket outlets, 3 Nos 6 amp switches, suitable size wooden box, 3mm thick phenolic laminated sheet cover including painting etc. as per specification.	Each	348.00	10	3480.0
5.4	Supplying and fixing following modular switch, socket, other accessories on the existing modular plate & switch box including connections but excluding modular plate etc. as per specification.				
5.4.1	5/6 amps one way switch	Each	69.00	50	3450.0
5.4.3	Bell push	Each	80.00	10	800.0
5.4.4	15/16 amp switch	Each	89.00	20	1780.0
5.4.5	3 pin 5/6 amp socket outlet	Each	96.00	30	2880.0
5.4.6	6 pin 15/16 amp socket outlet	Each	120.00	20	2400.0
5.4.9	Fan regulator (two module size) electronic stepped type moving all rounds	Each	223.00	40	8920.0
5.4.23	Blanking plate	Each	28.00	20	560.0
5.5	Providing and fixing 16/32 amp DP surface switch with neon on suitable size wooden box including connection, testing etc. complete.	Each	152.00	10	1520.0
5.6	Providing and fixing composite unit for computer points having modular type 1 No 6 pin 16 amp socket outlet, 1 No 16 amp switch, 3 Nos 3 pin 6 amp socket outlets, 3 Nos 6 amp switches, suitable G.I. box, base and cover plates, earthing the sockets and switch box including etc. as per specification.	Each	816.00	5	4080.0
5.8	Providing and fixing following size FRLS PVC insulated, PVC sheathed, flexible copper conductor wire on the floor/ wall, or side of the table/ door etc. as per specification.				
5.8.2	1.0 sq. mm two core	Metre	27.00	100	2700.0
5.10	Providing and fixing fan hook made of 12mm dia steel bar in existing ceiling slab including cutting of roof, fixing hook above reinforcement on both side, repairing with cement mortar 1:2 (1 cement : 2 sand) etc. as per specification.	Each	109.00	30	3270.0
6.1	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 FRLS PVC insulated, copper conductor, single core cable, earthing etc. complete as required. P.F. should be greater than 0.9, with BEE Star rating from 3 star and above, IS: 374:2019 including all amendments.				
6.1.3	1200 mm sweep	Each	1697.00	60	101820.0

6.2	Supplying, installation, testing and commissioning of premium quality Decorative ceiling fan having modern designer blades, good airtthrow and with at least two colour rendering effect along with unique smooth flowing canopies and down rod sleeve covering, wider blades at tips giving conical air throw including remote control for following sizes ceiling fan including wiring the down rods of standard length up to 30 cm with 1.5 sq. mm FRLS PVC insulated , copper conductor, single core wire, earthing etc. complete as per specification. P.F. should be greater than 0.9, with BEE Star rating from 3 star and above, IS: 374:2019 including all amendments				
6.2.2	1200 mm sweep	Each	2092.00	5	10460.0
6.5	Supplying and fixing of wall/ cabin fan including connection etc. as per specification. P.F. should be greater than 0.9				
6.5.2	400 mm sweep	Each	2043.00	5	10215.0
6.6	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 per specification. P.F. should be greater than 0.9				
6.6.1	300 mm sweep	Each	2446.00	3	7338.0
6.6.2	380 mm sweep	Each	2858.00	3	8574.0
6.6.3	450 mm sweep	Each	3976.00	2	7952.0
6.8	Supplying, installation, testing and commissioning of following sizes fancy exhaust fan having built in louvers in existing opening in wall including earthing etc. complete as per specification. P.F. should be greater than 0.9				
6.8.1	225 mm sweep	Each	1161.00	3	3483.0
6.8.2	300 mm sweep	Each	1270.00	3	3810.0
6.14	Supplying, fixing, testing and commissioning of following 230/250 volts fluorescent lamp (tube) in existing lighting luminaries as per specification. P.F. should be greater than 0.9				
6.14.1	4' x 36/40 watt	Each	51.00	200	10200.0
6.15	Supplying, installation, testing and commissioning of following LED fitting (luminaries) Panel Light in round/ square shape complete with electronic driver heat sink capacitor and all other accessories on surface/ in false ceiling etc. as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 100 lumens /watt.				
6.15.4	12 Watt	Each	588.00	10	5880.0
6.15.5	15/16 Watt	Each	679.00	10	6790.0

6.16	Supplying, installation, testing and commissioning of following sleek LED panel down lighters (luminaries) in round/ square shape complete with electronic driver heat sink capacitor and all other accessories on surface/ in false ceiling etc. as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 100 lumens /watt.				
6.16.2	36 watt, size 600 x 600mm	Each	2342.00	10	23420.0
6.17	Supplying, fixing, testing and commissioning of following LED lamps with inbuilt electronic driver heat sink and all other accessories in existing holder/ luminaries as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 100 lumens /watt.				
6.17.3	7 Watt	Each	124.00	20	2480.0
6.17.4	9 Watt	Each	143.00	50	7150.0
6.19	Supplying, installation, testing and commissioning of following LED tube light fitting including batten with Electronic Driver Heat sink Capacitor complete with all other accessories on surface/ in false ceiling, including connection, earthing etc complete as per specification and IP20, P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 100 lumens /watt.				
6.19.3	18/20 watt {4 feet}	Each	443.00	400	177200.0
6.20	Supplying, fixing, testing and commissioning of following LED lamps {Inverter Type: with builtin battery backup} with inbuilt electronic driver heat sink and all other accessories in existing holder/ luminaries as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 100 lumens /watt.				
6.20.2	12 Watt	Each	546.00	10	5460.0
6.33	Supplying, fixing, testing and commissioning of approved make following 230/250 volts electronic ballast in existing luminaries at all locations as per specification. P.F. should be greater than 0.9				
6.33.1	For 36/40 watt T8 flu. Fitting	Each	235.00	50	11750.0
6.35	Supplying, fixing, testing and commissioning of approved make following 230/250 volts polyester filled copper wound ballast in existing luminaries at all locations as per specification. P.F. should be greater than 0.9				
6.35.1	For 36/40 watt T8 flu. Fitting.	Each	272.00	50	13600.0
6.38	Supplying, fixing, testing and commissioning of following 230/250 volts capacitors in existing ceiling fans/ exhaust fan at all locations as per specification. P.F. should be greater than 0.9				
6.38.2	2.5 MFD	Each	113.00	100	11300.0

7	MAIN METAL BOARD, BBC, IC				
7.5	Supplying and fixing metal clad busbar chamber made of 2.0 mm thick CRCA MS powder coated sheet with 2 strip aluminium alloy or wrought aluminium busbars of following capacity and length, complete with all accessories, including earthing the body etc. as per specification.				
7.5.1	100 amps x 300mm long	Each	906.00	9	8154.0
7.5.2	100 amps x 450mm long	Each	1289.00	9	11601.0
7.6	Supplying and fixing metal clad busbar chamber made of 2.0 mm thick CRCA MS powder coated sheet with 4 strip aluminium alloy or wrought aluminium busbars of following capacity and length, complete with all accessories, including earthing the body etc. as per specification.				
7.6.2	100 amps x 450mm long	Each	1911.00	3	5733.0
7.6.4	200 amps x 300mm long	Each	1494.00	3	4482.0
7.6.5	200 amps x 450mm long	Each	2189.00	4	8756.0
7.9	Providing and fixing metal clad, SP&N switch fuse unit (re-wirable), 230/250 volts, with porcelain re-wirable fuses including drilling holes on the board, connections, earthing the body etc. as per specification. (Thimbeling shall be paid separately).				
7.9.2	63 amps	Each	1762.00	2	3524.0
7.10	Providing and fixing metal clad, TP&N switch fuse unit (re-wirable), 415/500 volts, with porcelain re-wirable fuses including drilling holes on the board, connections, earthing the body etc. as per specification. (Thimbeling shall be paid separately).				
7.10.3	100 amps	Each	3493.00	2	6986.0
7.10.4	200 amps	Each	5420.00	2	10840.0
7.11	Providing and fixing porcelain re-wirable fuse carrier and base unit on wooden board including drilling holes on the board, screws, connections etc. as per specification. (Thimbeling shall be paid separately).				
7.11.6	300 amps	Each	797.00	20	15940.0
7.19	Fabrication, supply, installation, testing and commissioning of cubicle type compartmentalized wall/ floor mounted power cum control panel board of specified size and following depth made out of not less than 2 mm thick CRCA MS powder coated sheet with suitable size compartments for bus bars, switchgears and necessary cutouts for voltmeters, ammeters etc as per specifications including powder coating painting but without busbars, switchgears and other accessories etc complete as per specification.				

7.19.1	Upto 300 mm deep	sqm	6818.00	2	13636.0
7.19.2	Above 300 mm and upto 450 mm deep	sqm	7525.00	1	7525.0
7.20	Supply, installation, testing and commissioning of 4 pole (3 phase + neutral) aluminium 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 per specification.				
7.20.2	200 amp (30x5mm)	Metre	907.00	4	3628.0
7.20.3	300 amp (50x5mm)	Metre	1336.00	4	5344.0
7.21	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 per specification.				
7.21.1	100 amp (20x3mm)	Metre	1319.00	2	2638.0
7.21.2	200 amp (25x5mm)	Metre	2382.00	1.5	3573.0
9	MCCB, MCB, MCB DB				
9.1	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as per specification, IS/ IEC: 60947-2 and Ics = 100 % Icu.				
9.1.4	3 pole MCCB, 100A, Adjustable Thermal - Magnetic Release, 25KA	Each	3734.00	2	7468.0
9.1.7	3 pole MCCB, 200A, Adjustable Thermal - Magnetic Release, 25KA	Each	9754.00	2	19508.0
9.1.11	3 pole MCCB, 320A, Adjustable Thermal - Magnetic Release, 35KA	Each	13933.00	1	13933.0
9.1.12	3 pole MCCB, 400A, Adjustable Thermal - Magnetic Release, 35KA	Each	14220.00	1	14220.0
9.2	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 per specification. (But without MCB/RCCB/Isolator)				
9.2.2	8 way, Single door	Each	704.00	2	1408.0
9.2.7	12 way, Double door	Each	1101.00	2	2202.0
9.4	Supplying and fixing on surface/ recess horizontal type following way, 415 volts, TPN 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 per				

	specification. (But without MCB/RCCB/Isolator)				
9.4.5	6 way Double door	Each	2038.00	2	4076.0
9.4.6	8 way Double door	Each	2547.00	2	5094.0
9.11	Supplying and fixing SP MCB, 240 volts, 'C' curve, suitable for inductive load in the existing MCB DB complete with connections, testing and commissioning etc. as per specification.				
9.11.2	6 amps to 32 amps	Each	148.00	50	7400.0
9.14	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 per specification.				
9.14.3	40 amps	Each	994.00	2	1988.0
9.14.5	63 amps	Each	996.00	2	1992.0
9.20	Supplying and fixing following rating, 415 volts, FOUR POLES, ISOLATOR in the existing MCB DB complete with connections, testing and commissioning etc. as per specification.				
9.20.1	40 amps	Each	568.00	2	1136.0
9.20.2	63 amps	Each	621.00	2	1242.0
9.20.3	100 amps	Each	647.00	3	1941.0
9.24	Supplying and fixing 2 pole and earth, 240 volts, industrial type, socket outlet, enclosed metal plug top along with SP MCB in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as per specification.				
9.24.1	20 Amp with "C" curve MCB	Each	976.00	2	1952.0
10.6	Providing and fixing metal clad, 4 pole, on load change over switch unit (without sheet steel enclosure), 415/500 volts, in cubicle panel including drilling holes on the board, connections, earthing the body, testing and commissioning etc. as per specification. (Connecting lead if required shall be paid separately)				
10.6.3	200 amps	Each	9531.00	1	9531.0
15	MV CABLE LAYING (1.1 KV)				

15.1	Supplying and laying following sizes one number FRLS PVC insulated/XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground at a depth not less than 40 cm and upto 90 cm including excavation, sand cushioning, protective covering and refilling the trench etc as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1).				
15.1.12	3.5 x 35 sq. mm.	Metre	316.00	50	15800.0
15.1.17	3.5 x 150 sq. mm.	Metre	674.00	100	67400.0
15.1.19	3.5 x 240 sq. mm.	Metre	955.00	70	66850.0
15.1.22	4 x 10 sq. mm.	Metre	293.00	100	29300.0
15.28	Supplying, fixing and cramping suitable size and all type aluminium ferule/ lugs to following size 1.1 KV grade power cable core / lead, pressed with high pressure cramping tool including connection to switch gear/ MCCB etc as per specification. .				
15.28.5	35 sq. mm	Each	20.00	30	600.0
15.28.6	50 sq. mm	Each	21.00	16	336.0
15.28.10	150 sq. mm	Each	34.00	16	544.0
15.28.11	185 sq. mm	Each	39.00	24	936.0
15.28.12	240 sq. mm	Each	54.00	12	648.0
29	DISMANTLING				
29.1	Dismantling / taking out old point wiring from surface, PVC/steel conduit including wires, conduit, switch, socket, sheet, junction box cover etc. as per specification including making bundles, shifting of dismantled material to department store.	Point	20.09	100	2008.7
29.2	Dismantling / taking out old circuit/ sub main wiring from surface of following sizes including, wires, conduit including making bundles, shifting of dismantled material to department store.				
29.2.1	Up to 6 sq. mm	Metre	3.06	200	611.7
29.2.2	Above 6 sq. mm and up to 25 sq. mm	Metre	4.85	50	242.4
29.5	Dismantling the existing ceiling / exhaust fan / cabin fan with accessories including shifting of dismantled material to department store.	Each	24.10	50	1205.2
29.6	Dismantling the all sizes indoor lighting luminaries from wall/ ceiling with accessories including shifting of dismantled material to department store.	Each	14.70	100	1470.3
31	MAINTENANCE				

31.1	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)				
31.1.1	48" (1200 mm sweep)	Each	349.00	60	20940.0
21.1	Supplying and installation of outdoor type Transformer ONAN type with copper winding having following continuous KVA rating, 11 /0.415 KV, 3 Phase 50 Hz Vector group DYn-11, (Online tap changer) tapings in steps of $\pm 2.5\%$, $\pm 5\%$, $-- 7.5\%$ with oil conservator, silica gel breather having connecting terminals on HV side suitable for bare conductor/HT cable connection, cable end box on medium voltage side suitable for 1.1 KV single / $3\frac{1}{2}$ core cable(upto 300 sq mm)/bus ducting arrangement and conforming to IS:1180 Part-2 Level 3, on existing double pole structure or Brick /CC/RCC platform with all fittings, accessories, filled with filtered transformer oil including testing and commissioning etc. complete as per specification				
21.1.3	200 KVA	Each	463133.00	1	463133.0
20.32	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, tearing off connection etc complete etc. as per specification including clearing off obstacle if any:				
20.32.3	Rabbit 6/1/3.35mm dia with calculated aluminium area 52.88 sq.mm, weight 214 kg/ km (100 amps)	Km	45355.00	1	45355.0
19.1	Supply of "H" beam steel pole as per IS specifications in standard length for over head line work:				
19.1.2	"H" beam steel pole 152x152x7x12 mm standard weight 37.1 kg /metre	metre	2002.00	66	132132.0
20.18	Supplying and fixing approved make 11 KV glazed porcelain pin insulator with G.I. spindle on existing pole bracket with necessary materials as per specification:	Each	226.00	15	3390.0
20.19	Supplying and fixing approved make 11 KV glazed porcelain disc type insulator with tension hardware on existing pole/ support/ cross arm channel as per specification complete:	Each	1180.00	6	7080.0
20.20	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 per specification.	Set	6793.00	1	6793.0

20.21	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 per specification.	Set	4052.00	1	4052.0
20.3	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, bow tightener, 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 per specification.				
20.3.1	With 7/4.00 mm dia G.I. stay wire	Each	3236.00	5	16180.0
20.6	Supplying and erection of angle/channel iron cross arms/ bracket/ other fitting of approved size and shape including drilling of holes for insulator pins, bolts and nuts etc as per specification.	kg	77.00	100	7700.0
12.1	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as per specification and IS Code 3043: 1987(R 2016)	Set	3243.00	3	9729.0
12.17	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as per specification.	Metre	38.00	50	1900.0
20.1.12	DC cross arm made of MS channel 100x50x5 mm @ 9.56 kg/m	Metre	531.00	10	5310.0
30.14	Structural steel work in single section including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.	kg	59.00	50	2950.0
19.10	Erection of STEEL TUBULAR or "H" BEAM/ ISMB pole in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation and cement concrete collar of size 0.4 metre dia and 0.50 metre height from ground level including excavation and refilling etc. as per specification of length:				
19.10.5	11 metre to 12 metre	Each	2894.00	6	17364.0
20.22	Supplying and erection of three piece nonlinear resistor type lightning arrestor 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 per specification.	Set	5779.00	1	5779.0

6.19	Supplying, installation, testing and commissioning of following LED tube light fitting including batten with Electronic Driver Heat sink Capacitor complete with all other accessories on surface/ in false ceiling, including connection, earthing etc complete as per specification and IP20, P.F. should be greater than 0.9. LED chip efficacy ratio \geq 100 lumens /watt.				
6.19.2	10 watt {2 feet}	Each	351.00	20	7020.0
2.13	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, wire in surface FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) etc as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)				
2.13.1	3 X 1.5 sq. mm in 20mm conduit	Metre	67.00	50	3350.0
2.10	Wiring for light plug point with 3x2.5 sq mm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in surface FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) along with modular type 6 Amp switch and 3 pin 6 amps socket outlet with modular base and cover plate, suitable size G.I. box, earthing the switch box and socket outlet with same size wire etc. as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)				
2.10.1	Short Point	Point	427.00	15	6405.0
2.10.2	Medium Point	Point	601.00	30	18030.0
6.34	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 per specification.	Each	15.00	150	2250.0
31.5	Replacement of defective ball bearing by approved make of suitable size bearing of all size of ceiling fan including dismantling, disassembling, assembling and reftting as per specification.	Each	80.00	50	4000.0
12.19	Providing maintenance free earthing with following size GI pipe including making bore pit of minimum 150mm dia, providing and laying approved make Earthing Electrode of Pipe-in-Pipe technology as per IS 3043(R 2016) -1987 made of corrosion free G.I. Pipes having outer pipe of 80mm dia and inner pipe of 50mm dia and filling with specified qty highly conductive compound around pipe and above that with soft soil in bore pit complete and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. as per specification:				0.0
12.19.1	With 3 metre long GI Pipes and 50 kg back filling compound.	Each	10955.00	1	10955.0

12.19.2	With 2 metre long GI Pipes and 25 kg back filling compound.	Each	8222.00	1	8222.0
6.29	Supplying of following 230/250 volts LED Flood light fitting with all accessories like driver, heat sink made of die cast aluminium with IP 66 protection and 15 KV surge protection on pole bracket, including connection, earthing, Seperate housing for driver etc complete as per specification and P.A. should be greater than 0.9. LED chip efficacy ratio \geq 120 lumens /watt.				
6.29.5	100watt	Each	6288.00	10	62880.0
12.9	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as per specification.	Metre	73.00	5	365.0
6.39	Supplying, fixing, testing and commissioning of following 230/250 volts capacitors for single phase motor at all locations as per specification. P.F. should be greater than 0.9				
6.39.2	8 MFD	Each	121.00	10	1210.0
5.4.12	Plug Top (Deluxe type) 3 pin 25 Amps (For power plug).	Each	74.00		
5.4.19	SP MCB 25 amp	Each	250.00	20	5000.0
6.28	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 15 KV surge protection on pole bracket, including connection, earthing, Separate housing for driver etc complete as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio \geq 120 lumens /watt.				
6.28.5	36 watt	Each	2359.00	10	23590.0
6.28.6	45 watt	Each	2729.00	15	40935.0
Total Rs.					2002071.2
Say Rs.					20.00 Lakh

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)

For the price bid format (percentage BOQ) the bidder is requested to peruse the relevant BOQ format.

The price as per the BOQ format (Excel sheet) is to be filled up online available in this tender in the portal www.eprocure.gov.in only and not anywhere else

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. 6 and in words in the Column No. 7 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 FOR BIDDERS

REGARDING EOI/ NI e-T No. **57(R)/ENGG/GGV/ELECTRICAL R & M WORKS/ ACADEMIC & NON ACADEMIC BUILDINGS ETC /2022" Date 30/08/2022**

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 the envelop the e-Tender Notice No. **NI e-T No. 57(R)/ENGG/GGV/ELECTRICAL R & M WORKS/ ACADEMIC & NON ACADEMIC BUILDINGS ETC /2022"** 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. **20.00 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)

University Engineer (I/C)