



खण्ड ?कल हनल fo' ofo | ky; ] fcykl ij ¼N-x-½  
**GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)**  
( A Central University established by the Central Universities Act, 2009 )  
Phone 07752-260207, fax 07752-260154 Website www.ggu.ac.in

Tender Notice No 06/Engg./2016,

Dt. 30/12/2016

## TENDER-FORM

कार्य का नाम - 09- vkokl ka , oa 'k\$kf.kd Hkouka ea vkarfj d  
fo | r ejEer dk; A  
कार्य की लागत- Rs.25.00 लाख  
अमानत राशि - Rs. 50,000/-  
कार्य की अवधि- 06 माह

Name Of Contractor .....

Due date of receipt of Tender **23/01/2017**

Up to 3.30 p.m.

( Only by Registered post/speed post )

Cost of Tender Form

2000/- (in form of D.D.)

(कृपया निविदाकर्ता प्रत्येक पेज पर सील लगावें एवं हस्ताक्षर करें)



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## **CERTIFICATE OF TENDER FORM**

### **It is hereby certified that:**

- 01- This tender form contains 45 of pages from s. no. 01 to 45 Including this page.
- 02- The last date 20/01/2017 & time up to 6.00 pm for issue of the tender form to the eligible contractor according to notification 06/ Engineering/2016/dated 30/12/2016 of this tender form. There is no last date for downloading the tender form from University website www.ggu.ac.in, but filled tender form should be reached in the University within stipulated time with terms by speed/registered post only.
- 03- Sealed tenders should reach the office chamber of the under signed latest by 3.30 P.M. on 23/01/2017 and shall be opened on the same working day at 4.00 p.m.
- 04- No word /sentence is being corrected/inserted, omitted or overwritten in this tender documents.

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

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



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fufonk l puk i k: i

 खण्ड ?कल हनल fo' ofo  ky; ] fcykl ij ¼N-x-½ <b>GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)</b> केंद्रीय विश्वविद्यालय अधिनियम 2009 के अंतर्गत स्थापित विश्वविद्यालय (A Central University established by the Central Universities Act, 2009) Website www.ggu.ac.in				
fufonk vkeæ. k l puk				
गुरु घासीदास विश्वविद्यालय (केंद्रीय) बिलासपुर (छ0ग0) की ओर से निविदा क्रमांक 06/यंत्रिकी/2016 दिनांक 30/12/2016 के माध्यम से निम्नलिखित कार्य हेतु दिनांक 23/1/2017 को 3.30 (अप) बजे तक रजिस्टर्ड/स्पीडपोस्ट के माध्यम से मुहरबंद निविदा आमंत्रित की जाती है। निविदा दिनांक 23/01/2017 को सायं 4.00 बजे यंत्रिकी विभाग में खोली जावेगी।				
क्र.	कार्य का नाम	टेंके की अनु. राशि (रु.)	अमानती राशि (रु.)	समय अवधि
1	व्कल ह; i fj l j ea vkrfjd i rkbz dk: A	25.00 lakh	50000/-	03 ek
2	आवासीय परिसर में एलुमिनियम कार्य।	21.00 lakh	42000/-	03 माह
3	बाह्य पुताई कार्य।	20.00 lakh	40000/-	03 माह
4	आवासों में फ्लाइमेस दरवाजा लगाने का कार्य	29.88 lakh	59760/-	03 माह
5	समाज कार्य विभाग में फाल्स सिलींग कार्य।	11.50 lakh	53000/-	03 माह
6	शैक्षणिक भवनों में एल्यूमिनियम पाटीशन इ. कार्य	36.26 Lakh	72520/-	04 माह
7	ग्रंथालय भवन में फाल्स सिलींग कार्य	15.00 Lakh	30,000/-	03 माह
8	नये बालक छात्रावास में विद्युत, व अन्य कार्य	22.40 lakh	57200/-	03 माह
9	आवासों एवं शैक्षणिक भवनों में विद्युत कार्य।	25.00 lakh	50000/-	06 माह
10	11के.वी. एल.टी.लाइन, इत्यादि विद्युत कार्य	25.00 lakh	50000/-	06 माह
11	नवीन भवनों हेतु ट्रांसफार्मर, एवं अन्य कार्य।	29.88 lakh	59760/-	03 माह
12	ट्रांसफार्मर के चारों ओर फेंसींग कार्य।	13.30 lakh	26600/-	03 माह
13	तड़ित चालक (Lightning arrester) एवं अन्य कार्य।	26.24 lakh	52400/-	03 माह
The Tender forms & other details can be seen & Downloaded from the website <a href="http://www.ggu.ac.in">www.ggu.ac.in</a> आदेशानुसार कुलसचिव (कार्यवाहक)				



## NOTICE INVITING TENDER

Percentage rate tenders are invited on behalf of the Registrar, G.G.V.Bilaspur from the approved and eligible contractors of CPWD and those of approved list of BSNL, M.E.S., Railways and C.G.State P.W.D., CSPDCL and other PSUs under Govt Of India for the work of :

### 09- vkokl ka , oa 'k\$kf.kd Hkouka ea vkarfjd fo | r ejEer dk; A

ठेकेदारों का पंजीकरण निविदाओं की बिक्री की अंतिम तिथि को वैध होना चाहिए । यदि केवल निविदाओं की बिक्री की अंतिम तिथि बढ़ायी जाती है, तो ठेकेदार का पंजीकरण निविदाओं की बिक्री की मूल तिथि को वैध होना चाहिए। यदि आवेदन प्राप्ति की अंतिम तिथि एवं निविदाओं की बिक्री की तिथि, दोनों बढ़ायी जाती है, तो ठेकेदार का पंजीकरण दोनों तिथियों में से कोई यानी निविदाओं की बिक्री की मूल तिथि या निविदाओं की बिक्री की बढ़ायी गई तिथि, को वैध होना चाहिए ।

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

- 1.1 कार्य की अनुमानित लागत रू. **25.00** लाख है तथापि, यह अनुमानित लागत मोटे तौर पर एक मार्ग निर्देश मात्र है।

The work is estimated to cost Rs. **25.00** lakhs this estimate, however, is given merely as a rough guide.

- 1.1.1 मिश्रित लागत वाली निविदा आमंत्रण सूचना को अनुमोदित करने वाला सक्षम प्राधिकारी, निविदाएं मंगवाने के लिए निविदा आमंत्रण सूचना का समेकन करेगा और वह उस यंत्रिकी को भी नामित करेगा जो निविदाएं आमंत्रित करने से संबंधित सभी मामलों को डील करेगा। मिश्रित निविदा के मिश्रित अनुमान की लागत को दर्शाने के साथ-साथ प्रत्येक घटक की अलग-अलग अनुमानित लागत का उल्लेख भी किया जाए । निविदादाता की पात्रता, विभिन्न घटकों की लागत को मिलाकर मिश्रित अनुमानित लागत के अनुरूप होगी ।

The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the tenders. He will also nominate Engg. section which will deal with all matters relating to the invitation of tenders.

For composite tender, besides indicating the combined estimated cost put to tender, should clearly indicate the estimated cost of each component separately. The eligibility of tenderer will correspond to the combined estimated cost of different components put to tender.

- 1.2 Tender will be issued to eligible CPWD registered contractors. Non CPWD registered contractors and CPWD contractor registered in class II and PSU's under Govt. of India shall also be eligible provided they produce definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:-



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three similar works each of value not less than **40% of estimated cost** or two similar works each of value not less than **50% of estimated cost** or one similar work of value not less than **80% of estimated cost** in the period of last seven years ending 31.03.2016 (**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 receipt of applications for tender.

2. सफल निविदाकारों के साथ, निर्धारित निविदाकार उक्त प्रपत्र जो करार का हिस्सा होगा, निविदाकार उक्त प्रपत्र जो करार का हिस्सा होगा के विभिन्न निबंधन एवं शर्तों के अनुसार अपनी दरें बतायेगा।

Agreement shall be drawn with the successful tenderer on standard form. Tenderer shall quote his rates as per various terms and conditions of the said form, which will be part of agreement.

3. दर की वैधता अनुबंध की तिथि से 12 ekg के लिये होगी।

validity of rate is for 12 months from date of agreement.

4. कार्य हेतु कार्य स्थल उपलब्ध है।

The site for the work is available.

अथवा Or

कार्य हेतु कार्यस्थल नीचे लिखे अनुसार भागों में उपलब्ध करा दिया जाएगा :-

The site for the work shall be made available in parts as specified below:-

5. i i = tkjh djus grq vkonu fnukd **20/01/2017** 'kke 6-00 cts rd i klr fd, tk, ks rFkk fufonk nLrkost fnukd **05/01/2017 to 20/01/2017** rd tkjh fd, tk, ks A fo'Okfo | ky; dh oc l kbV l s OkeZ i klr djus ds fy; s dkbZ vfire frffk ugh gq fdUrq Hkjs gq VMj OkeZ fu/kkZjr vof/k ea fu/kkZjr 'krZ vuq kj Li hM@i at hdr Mkcl l s fo' ofo | ky; ea i gfb tkuk pkfg, A

Applications for issue of forms shall be received by **20/01/2017** (6.00 PM) and tender documents shall be issued form **05/01/2017 to 20/01/2017** There is no last date for downloading the tender form from University website [www.ggu.ac.in](http://www.ggu.ac.in), but filled tender form should be reached in the University within stipulated time with terms by speed/registered post only.

6. रेखांक, विनिर्देश, कार्य के विभिन्न वर्गों के लिए मात्राओं की अनुसूची के सहित निविदा कागजात एवं ठेके की शर्तों का सैट जिनका उस ठेकेदार द्वारा अनुपालन किया जाना है, जिसकी निविदा स्वीकृत हो जाए तथा अन्य आवश्यक कागजात **05/01/2017** से **20/01/2017** तक रविवार एवं सार्वजनिक छुट्टियों को छोड़कर, प्रतिदिन कार्यालयीन दिवस के बीच विश्वविद्यालय, बिलासपुर के कार्यालय में देखे जा सकते हैं। मानक प्रपत्र को छोड़कर, निविदा कागजात उक्त कार्यालय से ऊपर निर्दिष्ट समय के दौरान निविदा की लागत के तौर पर रु. **2000/-** की डी.डी. भुगतान कर डी.डी. के साथ आवश्यक दस्तावेज प्रस्तुत कर प्राप्त किए जा



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सकेंगे। ocl kbV I s MkmuykM dj VMj Hkj us okys Bcdnkjka dks VMj QkeI dh dhier : i ; s **2000/- DD** ds : lk ea  
vuIveuh (Earnest Money) okys fyQkQk **(A)** ds I kfk tek djuk gkxka

Tender documents consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms & conditions of contract to be complied with by the contractor whose tender may be accepted and other necessary documents can be seen in the office of the University Engineer, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) between working hours (9.30am. to 6.00pm.) from **05/01/2017** to **20/01/2017** every day except on Saturday/Sundays and Public Holidays. Tender documents, excluding standard form, will be issued from the office, during the hours specified above, on payment of Rs. **2000/-** by draft as cost of Tender with copy of required documents. **The contractor/firms who received tender form from downloaded the website, they shall be paid cost of tender form Rs. 2000/- in the form of demand draft with envelope (A) of Earnest money.**

टेंडर प्रपत्र एवं अमानत राशि दो अलग-अलग लिफाफे में प्रस्तुत करना होगा। लिफाफे में लिखा जाना होगा निविदा प्रपत्र **(B)** एवं अमानत राशि अन्य दस्तावेज के साथ (तकनीकी दस्तावेज) **(A)**.

The tender and the earnest money shall be placed in separate sealed envelopes each mark **“Tender”** (B) and **“Earnest Money”** with other documents (Technical bid) (A) respectively.

7. The contractor, whose tender is accepted, **will be required to furnish performance guarantee of 5% (five percent)** of the tendered amount within the period specified in schedule ‘F’. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10,000/-) or Deposit at call receipt of any scheduled Bank / Banker’s cheque of any scheduled Bank / Demand Draft of any scheduled Bank / Pay order of any scheduled bank (in case guarantee amount is less than Rs.1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. 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.

8. कार्य का व्यौरा इस प्रकार है ।

The description of the work is as follows: 09- vkokl ka , oa 'kqkf.kd Hkouka ea vkarfjd  
fo | r ejEer dk; A

निविदाकारों द्वारा जाँच के लिए कार्यों से संबंधित अन्य नक्शों तथा कागजातों की प्रतियां उपर्युक्त अधिकारी के कार्यालय में खुली रहेगी



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Copies of other drawings and documents pertaining to the works will be open for inspection by the tenderers at the office of the above mentioned officer.

निविदाकारों को सलाह दी जाती है कि वे निविदा प्रस्तुत करने के पहले कार्यस्थल एवं उसके आस पास की जगह, जमीन की प्रकृति एवं अनमृदा (जहां तक व्यवहार्य हो), कार्य स्थल का रूप एवं प्रकृति, कार्य स्थल तक पहुंचने के साधन, स्थान जो उन्हें चाहिए उसका निरीक्षण व जाँच करें तथा जोखिम, आकस्मिकता एवं अन्य परिस्थितियों से, जो निविदा को प्रभावित कर सकती है, संबंधित आवश्यक जानकारी स्वयं प्राप्त कर, संतुष्ट हो ले। यह माना जायेगा कि निविदाकार को कार्यस्थल के बारे में पूरी जानकारी है, चाहे उसने इसका निरीक्षण किया हो या नहीं, तथा बाद में किसी भ्रॉति या अन्य बातों के लिए कोई अतिरिक्त प्रभार अनुमत्य नहीं होगा। कार्य निष्पादन हेतु सभी प्रकार की सामग्री, औजार एवं संयंत्र, जल, बिजली लाने के साधन, कामगारों के लिए सुविधाएं तथा अन्य अपेक्षित सेवाओं का प्रबन्ध करने तथा उनके रख रखाव का उत्तरदायित्व स्वयं निविदाकार का होगा, जब तक अन्यथा विशेष रूप से करार में इसका उल्लेख न किया गया हो। निविदाकार द्वारा निविदा प्रस्तुत करना यह सूचित करता है कि उसने इस सूचना एवं अन्य सभी करार-दस्तावेजों को पढ़ लिया है तथा उसे किए जाने वाले कार्य का अभिप्राय एवं विनिर्देशों, शर्तों व दरें जिन पर सरकार द्वारा उन्हें सामान, औजार एवं संयंत्र आदि दिए जाएंगे तथा स्थानीय स्थितियां और अन्य कारक जो कार्य में निष्पादन पर प्रभाव डालें, के बारे में पूरी जानकारी है।

Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant. etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

9. विश्वविद्यालय न्यूनतम या किसी अन्य निविदा को स्वीकार करने के लिए अपने आप को आबद्ध करता है और प्राप्त हुए किसी भी निविदा या सभी निविदाओं को बिना कारण बताए अस्वीकार करने का अधिकार अपने पास सुरक्षित रखता है। ऐसी सभी निविदाओं को जिनमें विहित शर्तें पूरी नहीं की गई हों अथवा निविदाकार द्वारा सशर्त छूट दिए जाने सहित किसी शर्त को रखा गया हो, अस्वीकार कर दिया जाएगा।

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 of the tenders received without the assignment of any reason. All tenders,



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in which any of the prescribed conditions are not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected”.

10. निविदाओं के मामले में किसी भी प्रकार के प्रत्यक्ष या अप्रत्यक्ष प्रेरण का पूर्णतया निषेध है तथा उन ठेकेदारों की निविदाएं, जो प्रेरण का सहारा लेंगे, अस्वीकार कर दी जाएंगी।

Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.

11. विश्वविद्यालय पूरी निविदा या उसके किसी भाग को स्वीकार करने का अधिकार अपने पास सुरक्षित रखते हैं तथा निविदाकार, कथित दर पर निष्पादन के लिए बाध्य होगा।

The GGV on behalf of the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.

12. ठेकेदार को विश्वविद्यालय में, (उद्यान / नर्सरी कैटेगरी के ठेकेदारों के लिये) जो ठेके देने और उसके निष्पादन के लिए उत्तरदायी है। जिसमें उसका नजदीकी रिश्तेदार विश्वविद्यालय में किसी भी हैसियत के अधिकारी के रूप में तैनात हो, कार्यों के लिए निविदा देने की आज्ञा नहीं होगी। यह उन व्यक्तियों के नामों को भी सूची देगा जो किसी भी हैसियत में उसके साथ कार्य कर रहे हों या जिन्हें उसके द्वारा बाद में भर्ती किया गया हो तथा जो विश्वविद्यालय में कार्यरत किसी राजपत्रित अधिकारी के नजदीकी रिश्तेदार हो। यदि ठेकेदार इस शर्त को भंग करेगा तो उसका नाम इस विभाग की ठेकेदारों की अनुमोदित सूची से हटा दिया जाएगा।

The contractor shall not be permitted to tender for works in the University (in case of contractor of Horticulture / Nursery category) 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 Department.

13. भारत सरकार के किसी इंजीनियरी विभाग में इंजीनियरी या प्रशासनिक कार्यों में लगे हुए राजपत्रित रैंक के किसी इंजीनियर को या किसी अन्य राजपत्रित अधिकारी को सरकारी नौकरी से सेवा मुक्त होने पर एक साल तक, भारत सरकार की पूर्व लिखित अनुमति बिना ठेकेदार की हैसियत से काम करने की अनुमति नहीं है। यदि किसी समय यह पाया गया कि ठेकेदार या उनका कोई कर्मचारी, ऐसा व्यक्ति है जिसने निविदा प्रस्तुत करने से पहले या ठेकेदार की सेवा में लगने के पहले भारत सरकार से अनुमति नहीं ली थी, तो यह ठेका रद्द किया जा सकता है।

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 previous permission of the Government of India in writing. The 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.





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14. dk; kI ds fy, fufonk] fufonkvka ds tek gkus dh vfire rkjh[k l s 90 fnu rd Lohdfn grq [kqyh jgsxhA यदि निविदाकार उक्त अवधि के पहले या स्वीकृति पत्र जारी होने के पहले, जो भी पहले हो, से पहले अपनी निविदा वापिस ले लेता है या निविदा की शर्तों और निबंधनों में कोई संशोधन करता है जो विभाग को स्वीकार्य नहीं है, तो विश्वविद्यालय किसी अन्य अधिकार या उपचारी उपाय पर प्रतिकूल प्रभाव डाले बिना ऊपर किए गए उल्लेख के अनुसार उक्त धरोहर राशि का 50 का प्रतिशत जब्त करने के लिए स्वतंत्र होगी। इसके अतिरिक्त, निविदाकार को पुनः निविदा प्रक्रिया में भाग लेने की अनुमति नहीं दी जाएगी।

The tender for the works shall remain open for acceptance for a period of Ninety days from the date of opening of Tenders. If any tenderer withdraws his tender before the said period or issue of letter of acceptance which ever 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 tenderer shall not be allowed to participate in the retendering process of the work.

15. यह निविदा आमंत्रण सूचना, करार दस्तावेज का एक हिस्सा होगी। सफल निविदाकार/ठेकेदार, स्वीकरकर्ता प्राधिकारी द्वारा निविदा स्वीकार किए जाने के बाद कार्य प्रारम्भ किए जाने की निर्धारित तिथि से 15 दिनों के भीतर निम्नलिखित को शामिल करते हुए संविदा पर हस्ताक्षर करेगा:-

This Notice inviting tender shall form a part of the contract document. The successful tenderer/contractor, on acceptance of his tender by the Accepting Authority, shall within 15 days from the stipulated date of start of the work sign the contract consisting of :-

क) निविदा आमंत्रण सूचना, अतिरिक्त शर्तों सहित सभी कागजात, विनिर्देश एवं नक्शे, यदि कोई हों, जो निविदा आमंत्रण के समय निविदा के रूप में जारी किए गए हों तथा इस बारे में किए गए किसी पत्राचार सहित इसकी स्वीकृति।

a) The notice inviting tender, all the documents including Particular specifications & special conditions and drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.

ख) मानक प्रपत्र लागू होगा।

Standard format will be applicable.

संविदाओं के लिए

For Tenders

16.1.1: 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 for CPWD 2008 or latest edition as applicable with all amendments / modifications.

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

Part C:- special terms & condition for Electrical works.

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



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- 16.1.3 : 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 page % above/ at per/below of SOR.
- 16.1.4 : After acceptance of the tender by competent authority, the Registrar GGV shall issue an order on behalf of Vishwavidyalaya.
- 16.1.5: Entire work under the scope of composite tender including all components shall be executed under one agreement.
- 16.1.6 : Security Deposit will be worked out for estimated cost. The Earnest Money will become part of the security deposit of the major component of work.

(a) CGPWD SOR-2015

18 : **Deviatioin / Variation Extent and Pricing:** The Engineer Incharge shall have power (i) to 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 progreress of the work and (ii) to 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 any instructions given to him in writing singed by the Engineer-in-charge and such originally. Omission. Adition or substitutions shall from part of the conractor 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.

18.1 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.

18.2 Rate of such altered, additional or substituted work shall be determined by Engineer-in-charge as follows:

- i) In the rate for altered, additional or substituted item of work is specified in the schedule or rate , the contractor shall carry out the altered, addition or substituted item at the same rate. Accepted



tendr 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 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.**

- 19 विश्वविद्यालय द्वारा वि०वि० हित में निविदा में दी गई नियम व शर्त में आंशिक संशोधन करने, एवं किसी नियम/शर्त को शिथिल करने का पूर्ण विशेषाधिकार विश्वविद्यालय के पास सुरक्षित रहेगा एवं निविदाकर्ता पर बंधनकारी रहेगा।
- 20 कार्य की गुणवत्ता (Quality)केन्द्रीय लोक निर्माण विभाग के स्पेशीफिकेशन अनुसार होगी।
21. वि०वि० के पास यह अधिकार सर्वथा सुरक्षित रहेगा कि निविदा में उल्लेखित किसी भी कार्य को संपादित करावे अथवा बिना कोई कारण बताये वि०वि० हित में ऐसे किसी भी कार्य को कराने से मना कर देवे । साथ ही वि०वि० के पास यह भी अधिकार सर्वथा सुरक्षित रहेगा कि निविदा में उल्लेखित किसी भी कार्य को बिना कोई कारण बताये कराने से मना कर देवे ।
22. कृपया अवगत हो कि टेंडर की शर्तें सामान्य निर्माण कार्य से संबंधित है। अतः निविदाकर्ताओं पर वही शर्तें लागू/मान्य होगी जिस कार्य हेतु निविदाकर्ता अपनी दरें प्रस्तुत कर रहा है। इस हेतु वि०वि० का निर्णय अंतिम एवं ठेकेदार पर बाध्यकारी होगा।
- 23 किसी भी विवाद की स्थिति में पहली अपील कुलसचिव, गुरु घासीदास विश्वविद्यालय बिलासपुर (छ.ग.) को विवाद उत्पन्न होने की तिथि के एक सप्ताह के अंदर तथा द्वितीय अपील दो सप्ताह के अंदर कुलपति महोदय, को किया जा सकेगा । माननीय कुलपति, गुरु घासीदास वि०वि०, बिलासपुर (छ०ग०), निर्णय हेतु प्रकरण को किसी भी आर्बीट्रेटर के पास भेज सकेगे (आर्बीट्रेशन एक्ट के अनुसार)। ऐसे प्रकरण में कुलपति जी के स्वयं का निर्णय या आरबीट्रेटर का निर्णय सर्वमान्य होगा ।
- 24 न्यायालयीन विवाद की स्थिति में बिलासपुर (छ०ग०) न्यायालय का क्षेत्राधिकार ही मान्य होगा।



खण्ड ?कल हनल fo' ofo | ky; ] fcykl ij ¼N-x-½  
**GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)**  
( A Central University established by the Central Universities Act, 2009 )  
Phone 07752-260207, fax 07752-260154 Website www.ggu.ac.in

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- 25 यदि निविदा में किसी प्रकार का जोड़ना/हटाना या भूल सुधार किया जाता है तो यह केवल वेबसाइट (www.ggu.ac.in) में upload किया जावेगा।
- 26 समय-समय पर सक्षम अधिकारियों से प्राप्त आदेशानुसार/स्वीकृति अनुसार विभिन्न निर्माण कार्य शेड्यूल के आधार पर संपादित किया जाना है। कार्य का समय निर्धारण तत्समय ही किया जावेगा।
- 27 शेड्यूल के आइटम्स में परिवर्तन एवं कार्यों की मात्रा में परिवर्तन (वृद्धि या कमी) किसी भी सीमा तक की जा सकती है।
- 28 निविदा प्रपत्र में उल्लेखित नियम एवं शर्तों के अतिरिक्त जरूरत पड़ने पर अन्य नियम एवं शर्तों के लिए CPWD Manual मान्य होगा।
- Terms & conditions other than laid down in this tender form CPWD manual will be followed and when required.
29. किसी भी विवाद की स्थिति में विश्वविद्यालय प्राधिकृत का निर्णय ठेकेदार के लिए मान्य एवं बंधनकारी होगा।  
In case of any disputes the decision of the University authority shall be final and binding at the bidder.

उपयंत्री

विश्वविद्यालय यंत्री (प्रभारी)



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Tender Notice No 06/Engg./2016,

Dt. 30/12/2016

dk; kã ds fy, i fr'kr nj fufonk

**Percentage Rate Tender & Contract for Works**

(A) कार्य के लिए निविदा :

Tender for the work of -09- vkokl ka , oa 'kqkf.kd Hkouka ea vkrfjd fo | r ejEer  
dk; A

(i) क) दिनांक **23/01/2017** को 3.30 बजे तक dyl fpo] गुरु घासीदास विश्वविद्यालय, बिलासपुर में प्रस्तुत की जानी है ।

To be submitted by 3.30 pm hours on **23/01/2017** to Registrar GGV.Bilaspur (C.G.)

(time)

(date)

(ii) ख) उन निविदाकारों के समक्ष खोली जाएगी जो दिनांक **23/01/2017** को **4.00** बजे ; kll=dh foHkkx] प्रशासनिक भवन सभागार

xq ?kkl hnkl fo' fo | ky; ] fcykl ij के कार्यालय में उपस्थित रहेंगे।

To be opened in presence of tenderers who may be present at – 4.00 pm- hours on

**23/01/2017** in the office of the **Engineering Section**, Guru Ghasidas Vishwavidyalaya, Bilaspur  
(C.G.)

सेवा में प्रेषित Issued to : \_\_\_\_\_

(ठेकेदार)(Contractor)

कागजात जारी करने वाले अधिकारी के हस्ताक्षर :

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

fo' ofo | ky; ; ãh] xq ?kkl hnkl fo' ofo | ky; ] fcykl ij

**University Engineer Bilaspur**

जारी करने की तारीख Date of Issue : \_\_\_\_\_

**Registrar**

GGV. Bilaspur (C.G.)



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**GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)**  
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## fufonk TENDER

मैंने/हमने कार्य के लिए निविदा आमंत्रण सूचना, अनुसूची क,ख,ग,घ, ङ, और च, लागू विनिर्देश, नक्शे एवं डिजाइन, सामान्य नियम एवं निर्देश ठेके के उपबंध, विशिष्ट शर्तें, दर अनुसूची एवं अन्य कागजात तथा ठेके की शर्तों में दिए गए नियम तथा निविदा कागजात में उल्लिखित अन्य बातों को पढ़ व जांच लिया है।

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.

मैं/हम, एतत् द्वारा विश्वविद्यालय के लिए अनुसूची 'च' में विनिर्दिष्ट समय के भीतर विनिर्दिष्ट कार्य, यथा-मात्राओं की अनुसूची तथा सभी संबंधित विनिर्देशों, डिजाइनों, नक्शे के अनुरूप तथा सामान्य नियमावली के नियम-1 और ठेके की शर्तों के खंड-11 में उल्लिखित लिखित अनुदेशों एवं ऐसी सामग्रियों, जो प्रदान की जाती हैं और उसके संबंध में, ऐसी शर्तें जो लागू हों, के अनुरूप निष्पादन हेतु निविदा देता हूँ/देते हैं।

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

हम निविदा को, इसके जमा होने की निर्धारित तारीख से 90 दिनों के लिए खुला रखा जाने के लिए सहमत हैं।

**We agree to keep the tender open for Ninety (90) days from the due date of its opening.**

: - **50000/-** की धनराशि, धरोहर राशि के रूप में नकद/ ट्रेजरी चालान रसीद/अनुसूचित बैंक की मांग जमा रसीद/ अनुसूचित बैंक की सावधी जमा रसीद /अनुसूचित बैंक का डिमांड ड्राफ्ट/ अनुसूचित बैंक द्वारा जारी बैंक गारंटी के रूप में इसके साथ भेजी जा रही है। यदि मैं / हम निर्धारित निष्पादन गारंटी को निर्धारित समय अवधि में प्रस्तुत करने में असफल रहते हैं तो मैं/ हम यह मंजूर करते हैं कि गुरु घासीदास विश्वविद्यालय किसी अन्य अधिकार या उपचारी उपाय पर प्रतिकूल प्रभाव डाले बिना उक्त धरोहर राशि जब्त करने के लिए पूर्णतया स्वतंत्र होंगे। इसके अलावा, यदि मैं/हम विनिर्दिष्ट कार्य प्रारंभ करने में असफल रहते हैं तो मैं/ हम यह मंजूर करते हैं कि गुरु घासीदास विश्वविद्यालय कानून में उपलब्ध किसी अन्य अधिकार या उपचारी उपाय पर प्रतिकूल प्रभाव डाले बिना उक्त धरोहर राशि, तथा निष्पादन गारंटी जब्त करने के लिए पूर्णतया स्वतंत्र होंगे अन्यथा उक्त धरोहर राशि निविदा कागजात के अनुसार उसमें निहित शर्तों व निबंधनों के अनुसार कार्यों के निष्पादन एवं आदिष्ट विचलनों को अनुसूची 'च' में वर्णित प्रतिशत से अनधिक व निविदा प्रपत्र के खण्डों 12.2 व 12.3 में निहित प्रावधानों के अनुसार निश्चित की जाने वाली दरों पर उस सीमा से अधिक के विचलनों के करने के लिए उनके द्वारा प्रतिभूति-निपेक्ष के रूप में रोक ली जाएगी। इसके अतिरिक्त मैं/हम सहमत हैं कि बयाना राशि या बयाना राशि तथा उपर्युक्त निष्पादन गारंटी जब्त हो जाने के मामले में मुझे/हमें कार्य की पुनः निविदा प्रक्रिया में भाग लेने से रोक दिया जाएगा।

A sum of **Rs. 50000/-** is hereby forwarded in cash/receipt treasury challan / deposit at call receipt of scheduled bank / fixed deposit receipt of scheduled bank / demand draft of a scheduled bank/bank guarantee issued by 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 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

**Seal & signature of the contractor**

**(Page 14 of 45)**



खण्ड ?kkl hnkI fo' ofo | ky; ] fcykl i j 1/N-x-1/2  
**GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)**  
 ( A Central University established by the Central Universities Act, 2009 )  
 Phone 07752-260207, fax 07752-260154 Website www.ggu.ac.in

**Tender Notice No 06/Engg./2016,**

**Dt. 30/12/2016**

commence work as specified, I/We agree that Guru Ghasidas Vishwavidyalaya shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, upto maximum of the percentage mentioned in Schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 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.

मैं/हम एतत् द्वारा घोषणा करते हैं कि मैं/हम निविदा कागजातों, नक्शे और कार्य से संबंधित अन्य अभिलेखों को गुप्त/गोपनीय कागजात के रूप में रखेंगे और उनसे प्राप्त/ली गई जानकारी किसी अन्य को, जिन्हें मैं/हम सूचित करने के लिए प्राधिकृत हो, से भिन्न किसी को, नहीं बताएंगे या जानकारी को किसी ऐसे रूप में प्रयोग नहीं करेंगे जो राज्य की सुरक्षा के लिए प्रतिकूल हो।

I/We hereby declare that I/we shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived therefrom to any person other than a person to whom I/We am/are authorised to communicate the same or use the information in any manner prejudicial to the safety of the State.

**I/we have done myself/ourself fully satisfied to read & examine the notice inviting, general conditions and various clauses of contract, all annexures, 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 CGPWDSOR 2015 Schedule of Rates.**

तारीख Dated.....  
 डाक का पता Postal Address  
 साक्षी Witness :  
 उपजीविका Occupation :

टेकेदार के हस्ताक्षर  
 Signature of Contractor  
 पता Address:

**To be filled in by the contractor/witness as applicable**



x# ?kkl hnkl fo' ofo | ky; ] fcykl ij ¼N-x-½  
**GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)**  
( A Central University established by the Central Universities Act, 2009 )  
Phone 07752-260207, fax 07752-260154 Website www.ggu.ac.in

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Lohdfr

**ACCEPTANCE**

मै गुरु घासीदास विश्वविद्यालय, बिलासपुर की ओर से तथा उनके लिए रु. ....' .....  
(रूपए .....') की राशि के लिए उपर्युक्त निविदा (अधोलिखित  
पत्रों के अनुसार परिवर्तित) स्वीकार करता हूं।

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 \_\_\_\_\_)

नीचे दिए गए पत्र इस ठेका करार का हिस्सा होंगे।

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

a)

b)

c)

कुलसचिव (कार्यवाहक)

Registrar (Acting)

हस्ताक्षर Signature ) .....

तारीख Dated .....





**vuq fp; ka SCHEDULES  
 FOR MAJOR (CIVIL) COMPONENT**

**vuq ph ^d\* SCHEDULE 'A'**

मात्राओं की अनुसूची (संलग्न)

Schedule of quantities (Enclosed)

**vuq ph ^k\* SCHEDULE 'B'**

ठेकेदार की निर्गत की जाने वाली सामग्रियों की अनुसूची

Schedule of materials to be issued to the contractor.

क्रम. सं. S.No.	मद विवरण Description of item	मात्रा Quantity	जिस दर पर सामग्रियां ठेकेदार को प्रभारित होगी वह दर अंकों एवं शब्दों में Rates in figures & words at which the material will be charged to the contractor	निर्गत स्थान Place of Issue
1	2	3	4	5

----- NIL -----

**vuq ph ^x\* SCHEDULE 'C'**

ठेकेदार को भाड़े पर दिए जाने वाले औजार एवं संयंत्र

Tools and plants to be hired to the contractor

क्रम सं. Sl. No.	विवरण Description	भाड़ा प्रभार प्रतिदिन Hire charges per day	निर्गत स्थान Place of Issue
1	2	3	4

NIL

**vuq ph ^?k\* SCHEDULE 'D'**

कार्य के लिए विशेष अपेक्षाएं/दस्तावेज, यदि कोई हों, की अतिरिक्त अनुसूची

Extra schedule for specific requirements/documents for the work, if any.

-----Nil-----

**vuq ph ¼M½ SCHEDULE 'E'**

मूल्य वृद्धि के लिए सीमेंट, इस्पात, अन्य सामग्री आदि के घटकों की अनुसूची



खण्ड 1.1 के अन्तर्गत 'A' के अन्तर्गत  
**GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)**  
( A Central University established by the Central Universities Act, 2009 )  
Phone 07752-260207, fax 07752-260154 Website www.ggu.ac.in

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

**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.**

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%**

वृत्त में 'F' SCHEDULE 'F'

टेके की सामान्य शर्तों का संदर्भ

Reference to General Conditions of contract.

कार्य का नाम Name of work : - : वक्रण 1.1 के अन्तर्गत 'A'

कार्य की अनुमानित लागत Estimated cost of work:

**Rs. 25.00 lakhs**

(i) धरोहर राशि Earnest money:

**Rs. 50000/-**

(ii) निष्पादन गारंटी Performance guarantee:

5% of tendered value.

निविदित मूल्य का 5 प्रतिशत

(iii) प्रतिभूति निक्षेप: Security Deposit:

5% of tendered value.

निविदित मूल्य का 5 प्रतिशत

1 के अन्तर्गत; फु; ए, ओ एन के अन्तर्गत

### **General Rules & Directions:**

निविदा आमंत्रण करने वाला प्राधिकारी Officer inviting tender -

**Registrar GGV.**

कार्य की मदों की मात्रा के लिए अधिकतम प्रतिशत जिससे अधिक

**not applicable**

निष्पादित मदों के लिए दरों का निर्धारण खण्ड 12.2 और 12.3 के अनुसार होगा।

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.

**Note: There may be change in schedule items and in quantities (Excess or less) upto any extend.**

**Extended items will be paid as per quoted percentage rate of schedule in tender.**

### **Definitions:**

2(v) भारसाधक इंजीनियर

Engineer-in-Charge

For Civil: UE, GGV Bilaspur or his successor.

For Electrical : UE, GGV or his successor

**Seal & signature of the contractor**

**(Page 18 of 45)**



खण्ड 1 का प्रथम भाग में निम्नलिखित शर्तों पर प्रस्तावित किया जा रहा है।  
**GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)**

( A Central University established by the Central Universities Act, 2009 )  
Phone 07752-260207, fax 07752-260154 Website www.ggu.ac.in

**Tender Notice No 06/Engg./2016,**

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2(viii) स्वीकारकर्ता प्राधिकारी

Accepting Authority

**Registrar, GGV, Bilaspur.**

2(x) अतिरिक्त और लाभों को पूरा करने के लिए श्रम एवं सामग्रियों की लागत पर प्रतिशतता Percentage on cost of materials and labour to cover all overheads and profits.

**15%**

2(xi) दरों की मानक अनुसूची

Standard schedule of Rates For Civil:

**Delhi Schedule of Rates 2014(Civil) with correction slips issued upto date of receipt of tender.**

For Electrical :

**Delhi Schedule of rate 2014 for Internal Electrical works and schedule of rate 2014 for External Electrical works.**

2(xii) विभाग Department

**GGV, Bilaspur.**

9(ii) विश्वविद्यालय मानक के टेका फार्म Standard Form University Standard contract Form

**[k.M Clause 1**

- (i) स्वीकृति पत्र जारी होने की तारीख से निष्पादन गारंटी के प्रस्तुतीकरण के लिए अनुमत समय Time allowed for submission of performance guarantee from the date of issue of letter of acceptance : 20 days दिन
- (ii) (उपर्युक्त प) में दी गई अवधि के पश्चात् अधिकतम अनुमेय एक्स्टेंशन Maximum allowable extension beyond the period as provided in (i) above : 10 days दिन

**[k.M Clause 2**

खण्ड 2 के तहत प्रतिकार निश्चित करने वाला प्राधिकारी Authority for fixing **Registrar/Building Committee**  
Compensation under clause 2 / Competent Authority (GGV)

**[k.M Clause 2A**

क्या खण्ड 2 क लागू होगा Whether clause 2A shall be applicable **Yes**

**[k.M Clause 5**

कार्य आरंभ की तारीख की गणना के लिए स्वीकृति पत्र के जारी होने की तारीख से दिनों की संख्या No. of days from the date of issue of letter of acceptance for reckoning date of start **22 days.**



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**Dt. 30/12/2016**

y{;

uhps nh xbZ l kj . kh ds vuq kj

**Milestone(s) : - as per Table given below**

y{; %ehy&i RFkj 1/2 l kj . kh

**Table of milestone(s)**

1	1 <sup>st</sup> month of work value	17%	In the event of not achieving the necessary progress as assessed from the running payments, 1% of the tendered value of work will be withheld for failure of each milestone. Subject to maximum of 5% of tendered valued of the work.
2	2 <sup>nd</sup> month of work value	17%	
3	3 <sup>rd</sup> month of work value	17%	
4	4 <sup>th</sup> month of work value	17%	
5	5 <sup>th</sup> month of work value	17%	
6	6 <sup>th</sup> month of work value	15%	
	<b>Total</b>	<b>100%</b>	

कार्य निष्पादित करने के लिए अनुमत्य समय

Time allowed for execution of work

**06 (six) month**

Authority to decide

(i) Extension of Time University Engineer, Guru Ghasidas University, Bilaspur (C.G.) with permission of authority.

(ii) Scheduling of mile stones-

University Engineer/ Competent Authority (GGV)

**[k.M Clause 6, 6A**

खंड लागू—(6 या 6 क) Clause applicable

**6 A**

**[k.M Clause 7**

अंतरिम भुगतान के लिए पात्र होने के लिए अंतिम ऐसे भुगतान के बाद कुल भुगतान एकत्रित सामग्रियों के

अग्रिमों के समायोजन सहित किया जाने वाला कुल कार्य  
 Gross work to be done together with net

payment/adjustment of advances for

Rs. 5.00 Lakhs (For Civil Component)

material collected, if any since the last

such payment for being eligible to interim payment

**[k.M 10 d Clause10A**

कार्यस्थल प्रयोगशाला में टेकेदार द्वारा उपलब्ध कराये जाने

परीक्षण उपकरण की सूची

List of testing equipment to be provided by the **See P 41 Para 11.0 (Part – B)**

**Seal & signature of the contractor**

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**Tender Notice No 06/Engg./2016,**

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contractor at site lab.

[k. M Clause 10B(ii)]

क्या खण्ड 10 ख ;पपद्ध लागू होगा

Whether clause 10B (ii) shall be applicable

Yes / gka

[k. M Clause 10C]

Component of labour expressed as

25% (Twenty five per cent)

Percent of value of work

[k. M Clause 10CA]

Material covered under this clause	Nearest materials (Other than cement, bars and structural steel) for which All Sale Price Index is to be followed.	Base Price of all materials clause 10 CA *
1 Cement	NA	1. Rs. 5000.00 per MT
2 Steel reinforcement	NA	2. Rs.31304.00 per MT
3 Structural steel	NA	3.Rs. 31009.00 per MT

[k. M Clause 10CC]

: Not Applicable

खण्ड 10 गग उन संविदाओं पर लागू होगा जिसमें कार्य समापन की अवधि, अगले कालम में दर्शाई गई अवधि से अधिक अनुबंधित है।

Clause 10CC to be applicable in contracts

with stipulated period of completion

exceeding the period shown in next column

**18 months**

[k. M Clause 11]

कार्य निष्पादन के लिए अनुपालन

**For Civil :CPWD specification 2009, Volume-I & II**

Specifications to be followed for execution of work **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.**

[k. M Clause 12]

Not applicable

12.2 & 12.3

विचलन सीमा जिसके परे खण्ड 12.2 तथा 12.3 भवन निर्माण कार्य के लिए लागू होंगे

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

**30%**

वह विचलन सीमा जिसके परे खण्ड 12.2 तथा 12.3 नींव कार्य के लिए लागू होंगे

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

**100%**

**Note: There may be change in schedule items and in quantity (Excess or less) upto any extent. Excess quantities will be paid as per quoted percentage rate of schedule in tender.**

[k. M Clause 16]

घटी हुई दरे निर्धारित करने की लिए सक्षम प्राधिकारी

**Seal & signature of the contractor**

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**GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)**

( A Central University established by the Central Universities Act, 2009 )  
Phone 07752-260207, fax 07752-260154 Website www.ggu.ac.in

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Competent Authority for deciding Registrar/Building committee.  
Reduced rates.

**[k.M Clause 18**

कार्यस्थल पर ठेकेदार द्वारा लगाये जाने वाली अनिवार्य  
मशीनरी औजार एवं सयंत्रों की सूची :-

List of mandatory machines, tools and **See P 40 Para 9.0** (Part-B)  
plants to be deployed by the contractor at site.

**[k.M 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	CIVIL	Technical Representative	Two years	one	Rs.15,000/- PM.	Rupees Fifteen Thousand Per Month each

सरकारी सेवा से सेवानिवृत्त वे सहायक अभियंता जो डिप्लोमाधारक हों, ग्रेजुएट अभियंता के बराबर माने जाएंगे ।

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

**[k.M Clause 42**

- I) क) सीमेन्ट और बिटुमन की अनुमानमूल केलोनिवि द्वारा मुद्रित दिल्ली दर अनुसूची 2014 के आधार पर मात्रा निर्धारित करने के लिए अनुसूची/विवरण
- I) (a) Schedule/statement for determining on the basis of Delhi Schedule of Rates 2014 theoretical quantity of cement & printed by C.P.W.D.bitumen
- II) अनुमानमूलक मात्राओं में अनुमत्य विचलन Variations permissible on theoretical quantities.
- क) सीमेन्ट जिन कार्यों के लिए निविदा में अनुमानित 3 प्रतिशत जमा/घटामूल्य रु. 5 लाख से अधिक न हो
- a) Cement for works with estimated cost put to tender not more than Rs. 5 lakhs 3% plus/minus.  
जिन कार्यों के लिए निविदा में अनुमानित मूल्य रु. 5 लाख से अधिक हो 2 प्रतिशत जमा/घटा  
for works with estimated cost put to tender more than Rs. 5 lakhs 2 % plus/minus.
- ख) बिटुमन सभी कार्यों के लिए 2.5% प्रतिशत केवल जमा और घटा के पक्ष में शून्य
- b) Bitumen for all works 2.5% plus only & Nil on minus side.
- ग) इस्पात प्रत्येक व्यास, कोट और श्रेणी के लिए 2.5% प्रतिशत केवल जमा और घटा के पक्ष में शून्य  
पूनर्वलन और संरचनात्मक इस्पात काट 2 प्रतिशत जमा/घटा c) Steel Reinforcement and structural steel  
sections for each diameter, section and category. 2% plus/minus
- घ) सभी अन्य सामग्रियां शून्य

**Seal & signature of the contractor**

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d) All other materials

Nil.

वुपर; fopyu l s vf/kd dh ek=kvka ds fy, ol wjh nja

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

क्रम सं.	मद विवरण	अंको और शब्दों में वह दर जिस पर ठेकेदार से वसूली की जाएगी	
Sl No.	Description of item	Rates in figures and words at which recovery shall be made from the Contractor	
		अनुमत्य विचलन से अधिक उपयोग घटाया Excess beyond 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 -----			



**PARTICULAR SPECIFICATION**  
**&**  
**SPECIAL CONDITIONS**

**1. GENERAL**

- 1.1 The contractor shall work according to the programme of work as approved by the Engineer-in-charge/Registrar/Building committee for the purpose, the contractor shall submit a tentative programme of the work within 15 days from the stipulated date of start of the work.
- 1.2 The contractor shall take instructions from the Engineer-in-charge for stacking of materials at site. No excavated earth or building materials shall be stacked on areas where the buildings, roads, services or compound walls are to be constructed.
- 1.3 If as per municipal / GG.V. 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 architectural and structural drawings respectively. The structural and architectural drawings shall be properly correlated before executing the work. In case of any difference noticed between architectural and structural drawings, final decision, in writing of the Engineer-in-charge shall be obtained by the contractor before proceeding further.
- 1.6 Samples for particular items of work shall be prepared, 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.





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- 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 project. The contractor shall extend necessary co-operation to them without any claim on this account.
- 1.10 Cast iron pipes and fittings without ear shall be used. However, pipes and fittings with ears may be accepted without any extra payment. In such cases, clamps are not required and no extra payment shall be made for fixing the pipes in a different manner.
- 1.11 Any cement slurry added over base surface for bond or for continuation of concreting, its cost shall be deemed to have been included in the respective items, unless specified otherwise and nothing extra shall be payable nor extra cement shall be considered in the cement consumption on this account.
- 1.12 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.
- 1.13 No claim for idle establishment & labour, machinery & equipments, tools & plants and the like, for any reason whatsoever, shall be admissible during the execution of work as well as after its completion.
- 1.14 The items other than the schedule will be taken from CGPWD SOR- 2015(Electrical work) applicable in CGPWD with tender rate (percentage above/at par/below) if required.
- 1.15 **There may be change in schedule items and in quantity (Excess or less) upto any extent. Excess quantities will be paid as per quoted percentage rate of schedule in tender**

## 2. **Scope of Shop Drawings**

- a) Shop drawing shall incorporate scaled and dimensioned plans, elevations, sections and complete size details for all the works.
- b) The shop drawings shall indicate the required dimensional profiles and modules, function, design and performance standards and in general cover all dimensions and details required to fabricate and install the curtain wall at site.
- c) The contractor shall verify and co-ordinate the shop drawings with all applicable and inter-related trades, drawings and specifications.
- d) All dimensions/modules, etc. shall be field checked and the drawings shall be modified, if required, based on actual measurements at site.
- e) Details shall show and specify all metal sections, types of finishes, areas to be sealed and sealant materials, gaskets, applicable construction materials including fasteners and welds, all anchorage assemblies and components, fabrication and erection tolerances for the work.



f) All details shall be subject to the approval of the Engineer-in-Charge, after incorporating all the modifications as suggested by the Engineer-in-Charge or otherwise.

### 3.0 PAINT BROUGHT BY THE CONTRACTOR

- 3.1 The contractors shall bring sufficient quantity of paint of brand & shade approved by Engineer-in-charge prior to the commencement of work & keep it in his stores at site of work under double lock & key.
- 3.2 The paint shall be issued to the contractor from time to time according to requirements for the work in the same manner as followed for issue of cement
- 3.3 Empty containers shall not be removed without the written permission of the Engineer-in-charge.

### **4.0 CONDITION FOR CEMENT:-**

- 4.1 The Contractor shall procure 43 grade Ordinary Portland cement (conforming to IS : 8112) or Portland slag cement (conforming to IS : 455) or Portland Pozzolana Cement (PPC) (Fly ash based) – conforming to IS : 1489 (Part-I) as required in the work, from reputed manufactures of cement, having a production capacity of one million tonnes or more, such as ACC, L&T, JP REWA, Vikram, Shri Cement, Birla Jute, Prism, Ambuja, Lafarge and Cement corporation of India etc. i.e. agencies approved by Ministry of Industry, Government of India, and holding license to use ISI certification mark for their product. The tenderers may also submit a list of names of cement manufacturers which they propose to use in the work. The tender accepting authority reserves the right to accept or reject name(s) of cement manufacture(s) which the tenderer proposes to use in the work. No change in the tendered rates will be accepted if the tender accepting authority does not accept the list of cement manufactures, given by the tenderer, fully or partially. Supply of cement shall be taken in 50 Kg bags bearing manufacture's name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer-in-charge and got issue in accordance with provisions of relevant BIS codes. In case test results indicate that the cement arranged by the Contractor does not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site by the Contractor at his own cost within a week's time of written order from the Engineer-in-charge to do so.  
If Portland Pozzolana cement or Portland slag cement is used, suitable modification in deshuttering time etc. shall be done if need be as per specifications and standards and as directed by Engineer – in – charge and nothing extra shall be payable on this account.



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- No extra payment / deduction shall be made from the payment to the contractor for using any of the above type of cement.
- 4.2 The cement shall be brought at site in bulk supply of approximately 50 tonnes or as decided by the Engineer - in - charge.
- 4.3 For each grade / type, cement bags shall be stored in two separate godowns, one for tested cement and the other for fresh cement (under testing) constructed by the contractor at his own cost as per sketch shown in General conditions of contract for Vishwavidyalaya with weather proof roofs and walls. The size of the cement godown is indicated in the sketch for guidance only. The actual size of godown shall be as per site requirements and as per the direction of the Engineer in charge and nothing extra shall be paid for the same. The decision of the Engineer-in-charge regarding the capacity required/needed will be final. However, the capacity of each godown shall not be less than 30 tonnes. Each godown shall be provided with a single door with two locks. The keys of one lock shall remain with CPWD Engineer-in-charge or his authorized person and that of other lock with the authorized agent of the contractor at the site of work so that the cement is issued from godown according to the daily requirement with the knowledge of both the parties. The account of daily receipt and issue of cement shall be maintained in a register in the prescribed Proforma and signed daily by the contractor or his authorized agent in token of its correctness.
- 4.4 The cement shall be got tested by Engineer –in –charge and shall be used on the work only after satisfactory test results have been received. The contractor shall supply free of charge the cement required for testing including its transportation cost to testing laboratories. The cost of tests shall be borne by the contractor / Department in the manner indicated below :-
- (a) By the contractor, if the results show that the cement does not conform to relevant BIS codes.
- (b) By the Department, if the results show that the cement conforms to relevant BIS codes.
- 4.4.1 All other charges of sampling, packing and transportation of sample shall also be borne by the contractors.
- 4.5 The actual issue and consumption of cement on work shall be regulated and proper accounts maintained separately for each type of cement, as provided in clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in Clause 42 of the contract and shall be governed by conditions laid therein. However, for consumption lesser beyond permissible theoretical variation recovery shall be made in accordance with conditions of contract at Schedule A to F (CPWD-8), without prejudice to action for acceptance of work/item at reduced rate or rejection as the case may be.



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- 4.6 For non-schedule items, the decision of the University Engineer regarding theoretical quantity of cement, which should have been actually used, shall be final and binding on the contractor.
- 4.7 Cement brought to site and cement remaining unused after completion of work shall not be removed from site without written permission of the Engineer-in-charge.

**5.0 CONDITIONS FOR REINFORCEMENT STEEL :-**

5.1 The contractor shall procure TMT bars of Fe415 grade as per BIS 1786 – 2008 from primary producers such as SAIL or TISCO or RINL as approved by Ministry of Steel. In case of non-availability of steel from primary producers, Superintending Engineer, Bhopal Central Circle may permit use of TMT reinforcement bars procured from secondary producers.

- a. The secondary producers must have valid BIS licence to produce HSD bars conforming to IS 1786 : 2008. In addition to BIS licence, the secondary producer must have valid licence from either of the firms Tempcore, Thermex, Evcon Turbo & Turbo Quench to produce TMT Bars.
- b. The TMT bars procured from primary producers shall conform to manufacture's specifications.
- c. The TMT bars procured from secondary producers shall conform to the specifications as laid by Tempcore, Thermex, Evcon Turbo & Turbo Quench as the case may be.
- d. TMT bars procured either from primary producers or secondary producers, the specifications shall meet the provisions of IS 1786 : 1985 pertaining to Fe 415 grade of steel as specified in the tender.

Samples shall also be taken and got tested by the Engineer-in-Charge as per the provisions in this regard in relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to the specifications as defined under para (c) & (d) above, the same shall stand rejected, and it shall be removed from the site of work by the contractor at his cost within a week time or written orders from the Engineer-in-Charge to do so.

In case contractor is permitted to use TMT reinforcement bars procured from secondary producers then:

- (i) The base price of TMT reinforcement bars as stipulated under schedule 'F' shall be reduced by Rs. 6000/- MT.
- (ii) The rate of providing & laying TMT reinforcement bars as quoted by the contractor in the tender shall also be reduced by Rs. 7.35 per kg.

5.2 The steel reinforcement shall be brought at site in bulk supply of 25 tonnes or more as decided by the Engineer in charge.



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- 5.3 The steel reinforcement shall be stored by the contractor at site of work in such a way as to prevent distortion and corrosion and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.
- 5.4 For checking nominal mass tensile strength bend test re-bend test etc. specimen of sufficient length shall be cut from each size of the bar at random at frequency not less than that specified below:

Dia of bar	For consignment below 100tonnes	For consignment above 100tonnes
Under 10 mm	One sample for each 25 tonnes or part thereof	One sample for each 40tonnes or part thereof
10 mm to 16mm	One sample for each 35 tonnes or part thereof	One sample for each 45tonnes or part thereof
Over 16mm	One sample for each 45 tonnes or part thereof	One sample for each 50tonnes or part thereof

- 5.5 The contractor shall supply free of charge the steel required for testing including its transportation to testing laboratories. The cost of tests shall be borne by the contractor / Department in the manner indicated below :-
- By the contractor, if the results show that the steel does not conform to relevant BIS codes.
  - By the Department, if the results show that the steel conforms to relevant BIS codes.
- 5.6 All other charges of sampling, packing and transportation of sample shall also be borne by the Contractor.
- 5.7 The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein.
- 5.8 Steel brought to site and remaining unused shall not be removed from site without the written permission of Engineer-in-Charge.
- 5.9 (i) Reinforcement including authorized spacer bars and lappages shall be measured in length of different diameters as actually (not more than as specified in the drawings) used in the work nearest to a centimeter. Wastage and unauthorized overlaps shall not be measured.
- (ii) The standard sectional weights referred to shall be as in Table 5.4 in para 5.3.4 in CPWD specifications 2009 will be considered for conversion of length of various sizes of TMT bars in to standard weight.
- (iii) Record of actual sectional weights shall also be kept dia wise and lot wise. The average sectional weight for each diameter shall be arrived at from samples from each lot of steel received at site. The decision of the Engineer in charge shall be final for the procedure to be followed for determining the average sectional weight of each lot. Quantity of each diameter of steel received at site of work each day will constitute one single lot for the purpose. The weight of steel by conversion of length of



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various sizes of bars based on the actual weighted average sectional weight shall be termed as Derived Actual Weight.

(a) If the derived weight as in sub-para (iii) above is less than the standard weight as in sub-para (ii) above, then the Derived Actual Weight shall be taken for payment.

(b) If the derived actual weight is found more than the standard weight, than standard weight as worked out in sub para (ii) above shall be taken for payment nothing shall be paid extra for the difference in Derived/ Actual Weight and standard weight.

5.10 TMT bars of Fe 500 grade as per BIS : 1786: - 2008 from primary producer may also be permitted by Engineer – in – charge for which neither deduction shall be made nor extra shall be paid to the contractor. However, every care should be taken to avoid mixing different types of grades of bars in the same structural members as main reinforcement to satisfy relevant clause of IS: 456. In case of buildings, wherever the situation necessitates, the change over shall be made only from any one level onwards. In case of foundations, all foundation elements (footings and grade beams) shall have the same kind of steel. In the case of columns, all structural elements up to the level of change, where the change over is taking place should have the same kind of steel as those in columns.

5.11 The reinforcing steel brought to site of work shall be stored as per CPWD specification 2009.

## **6.0 SAFETY MEASURES AT CONSTRUCTION SITE**

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

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

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

## **7.0 LIST OF EQUIPMENT FOR SITE LABORATORY (Ref. Clause 10A of Schedule 'F')**

### **A. Laboratory testing instruments.**

#### **(1) Balances**



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- i. 7 Kg. to 10 Kg. capacity, semi-self indicating type – accuracy 10 gm.-1 No.
  - ii. 500 gm. Capacity, semi-self indicating type – accuracy 1 gm.- 1 No.
  - iii. Pan balance – 5 Kg. capacity – accuracy 10 gms.-1 No.
- (2) Sieves : as per IS 460 – 1962.**
- i. I.S. sieves – 450 mm internal dia, of sizes 100 mm, 80 mm, 63 mm, 50 mm, 40 mm, 25 mm, 20 mm, 12.5 mm, 10 mm, 6.3 mm, 4.75 mm, complete with lid and pan. – 1 Set
  - ii. I.S. sieves - 200 mm internal dia (brass frame) consisting of 2.36 mm, 1.18 mm, 600 microns, 425 microns, 300 microns, 212 microns, 150 microns, 90 microns, 75 microns with lid and pan. – 1 Set
- (3) Equipment for slump test – slump cone, steel plate, tamping rod, steel scale, scoop.- 2 Nos.
- (4) Graduated measuring cylinders 200 ml capacity – 2 Nos.

**B. Field testing instruments.**

- (1) Steel tapes – 3 m. – 2 Nos
- (2) Vernier Calipers. - 1 Nos.
- (3) Micrometer screw 25 mm gauge. – 1 Nos.
- (4) A good quality plumb bob. – 2 Nos.
- (5) Spirit level, minimum 30 cms long with 3 bubbles for horizontal vertical.- 2 Nos.
- (6) Wire gauge (circular type) disc. – 1 Nos.
- (7) Foot rule – 2 Nos.
- (8) Long nylon thread – 2 Nos.
- (9) Magnifying glass – 1 Nos.
- (10) Screw driver 30 cms long – 1 Nos.
- (11) Ball pin hammer, 100 gms. – 1 Nos.
- (12) Plastic bags for taking samples – 1 Nos.

**8. SPECIFICATIONS FOR CEMENT BASED FLY ASH BRICKS**

**01- Quality of Raw Materials**

- 02- **ASH** :Fly ash shall meet the requirement of Grade 2 of IS : 3812. Fly ash should preferably be collected from 1<sup>st</sup> / 2<sup>nd</sup> field of ESP.
- 03- **Sand / Stone dust** :Deleterious materials such as clay and silt in sand / stone dust shall not be more than 5%.
- 04- **Cement** : Portland cement conforming to IS : 269, IS : 8112 or IS : 12269 (latest revision) shall be used.
- 05- **Storage** :All raw materials shall be stored in covered sheds and suitably protected from the rains.
- 06- **Proportioning of raw materials** : The following mix proportion shall be adopted for manufacturing fly ash, sand and cement bricks



Fly ash	50-60%
Sand / Stone dust	32-40%
Cement	8-10%

**09- ACCEPTANCE CRITERIA :**

- I- **Compressive Strength** : Minimum average compressive strength of brick shall not be less than 7.5 N/sq.mm when tested as per IS -3495 (Part-I) : 1976. The compressive strength of any individual brick shall not fall below the minimum average compressive strength by more than 20%. In case any test result of compressive strength exceeds 10.0 N/sq.mm, the same shall be limited to 10.0 N/sq.mm for the purpose of averaging.
- II- **Water absorption** : The bricks when tested in accordance with the procedure laid down in IS : 3495 (Part-2) : 1976 after immersion in cold water for 24 hours, shall have water absorption not more than 20%.
- III- **Drying Shrinkage** : The average drying shrinkage of the bricks, when tested by the method described in IS : 4139 : 1989 being the average of the three units, shall not exceed 0.15 percent.
- IV- **Efflorescence Test** : The bricks when tested in accordance with the procedure laid down in IS : 3495 (Para-3) : 1976 shall have the rating of efflorescence not more than 'Moderate'.
- Sampling and Criteria for conformity:** Sampling and criteria for conformity of the bricks shall be as given in IS : 5454 : 1976.
- 10- No Escalation shall be given by the University neither any claim for the escalation will be entertained.
- 11- **The tenderer shall be required to submit the tender in two envelop system. Envelop "A" should contain the cost of tender form, Earnest money through bank draft of any scheduled bank payable to the Registrar GGV, Bilaspur (C.G.) and other required documents. Envelop "B" should contain the rate quoted by the contractor/firm of contractors in the prescribed tender form.**
- 12- **Envelop 'A' & 'B' will be sealed and then again put in the third envelop which also should be in sealed envelop. It should be clearly super scribed on the top of the envelop that it contains the tender invited by GGV wide tender number 06/Engg./2016 dated 30/12/2016.**
- (13) The GGV reserves the right to award the work order to the 2<sup>nd</sup> lowest tenderer incase of the first lowest tenderer fails to execute monthly work progress report by canceling the work order given the 1<sup>st</sup> lowest tenderer.





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- (14) The GGV reserves the right to place the order complete or part of work.
- (15) The GGV reserves the right to alter. Add or delete any term(s) & condition(s) in the interest of the University without any prenotice and no suit shall lie on the University for the same.
- (16) Validity of accepted Quoted rates will be for 18 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.
- (17) The venue of arbitration shall be the court at Bilaspur (C.G.)
- (18) Any other information related to the tender may be obtained from office of the University Engineer, GGV, Bilaspur during working hours.

### **PROCEDURE FOR APPROVAL OF MATERIALS & SPECIALIZED AGENCIES**

Note :

1. The Contractor shall obtain prior approval from the Engineer-in-charge before placing order for any specific material or engaging any of the specialized agencies.
2. Wherever applicable, the Engineer-in-charge may approve any material equivalent to that specified in the tender subject to proof being offered by the Contractor for equivalence to his satisfaction.
3. Unless otherwise specified, the brand/make of the material as specified in the item nomenclature, in the particular specifications and in the list of approved materials attached in the tender, shall be used in the work.
4. In case of non availability of the brand specified in the contract or ISI marked materials, the Contractor shall be allowed to use alternate equivalent brand of the material subject to submission of documentary evidence of non-availability of the specified brand. Necessary cost adjustments on account of above change shall be made for the material, if required.



**Special Terms and condition for Electrical works :**

1. Any damage done to the man, machine and building during the execution of work shall be the responsibility of the contractor and same will have to be made good promptly by the contractor at his own cost to the entire satisfaction of the University Engineer.
2. The electrical work shall be executed in close coordinated manner with client department. No claim for idle labour will be admissible.

**3. Watch and ward:-**

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

**4. Completeness of tender:-**

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

**5. Conformity to specifications:-**

- (a) The work shall be carried out strictly in accordance with CSPDCL, CG PWD specifications for electric works as amended up to dated and also in accordance with the Indian Electricity Rules 1956 and Indian Electricity Act. 1910 as amended up to date and as per the instructions of the University Engineer.
- (b) PVC insulated copper wire used shall be ISI marked and wire of the size 4.00 Sq. mm and above shall be of stranded conductors and all standard wires are required to be crimped for connections / terminations.
- (c) All accessories like switches, sockets, C/rozes, holders, AB switchches, lightning arrestors etc. shall be ISI marked.
- (d) Crimping type ferrules / thimbles shall be provided for wire termination in switches, sockets, MCB's etc as reqd.
- (e) Contractor shall have to prove bonafides of the make of materials by producing necessary documentary evidence. Firms are advised accordingly to obtain prior approval of University Engineer for proposed make of materials before bringing materials to site of work.
- (f) Phenolic laminated sheet be of only Hylam of Hyderabad lamination or Formica make only. Covers for adopter box and function box shall also be of white phenolic laminated sheet.

**06** The following are the acceptable makes of materials as indicated against individual items:

Sl. No.	Item	Acceptable Makes
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1	PVC insulated Copper wire / Telephone wire/power cable	Finolex / Havell's / L&T / Anchor / Skyline/ Polycab.
2	MCCB (ICS=100%ICU) / Switch Gear	L&T / Siemens / Merlin Gerin/Havell's
3	MCB / MCB DB / Industrial Socket.	L&T (Hager) / ABB / Legrand,Havell's
4	Steel Conduit.	BEC / AKG / NIC.
5	GI Pipe.	TATA / Prakash Surya / Jindal.
6	Piano type switch, socket	Anchor Penta / Vinay Clair / Polo Rider.
7	Call Bell / Buzzer / Ceiling rose / Electronic Regulator.	Anchor / Vinay Clair / Polo Rider / North West.
8	Brass Batten / Angle Holder.	Kinjal / Antex / Emperor.
9.	Distribution Box for transformer	Standard make
10	Online UPS	Microtek/Genus/Power well
11	Battery	Exide/okaya/Amron
12	LED light	Crompton/surya/havells/bajaj.

**7. Facilities to the contractor:-**

- (a) **Contractor shall make his own arrangement for water & electricity and T&P required for the work.**
- (b) Contractor shall have to make his own arrangement for storage place.

**8. Inspection and testing:-**

- (a) The contractor shall despatch the equipment / components in consultation with the University Engineer. The contractor shall provide all necessary facilities for inspection of panel board at manufacturer's work before despatch.
- (b) On completion of work the contractor shall arrange for insulation and earth continuity test as per IE rules in the presence of the University Engineer or his representative and shall submit the test report in triplicate.

**9. Date of acceptance of the installation:-**

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



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10. The works completed shall be in running condition with satisfactory performance for one year from the date of commissioning and prior to one year from the date of registration .[Performance certificate regarding performance of such works completed & commissioned / charged for one year from the date of commissioning/charged shall be submitted at the time of registration itself].

11. Guartantee Period.

Normally the performance guarantee period is 1 years from the date of commissioning.

In the event of the manufacturer/contractor's inability to adhere to the aforesaid provisions/clauses, suitable penal action shall be taken against them, which may interalia , include blacklisting of the manufacturer/contractor for future business with the CSPDCL for a certain period .

13. Transport of materials.

The contractor must arrange for all transport of materials to be provided by the contractor and include all such cost in the rates quoted by him for finished work. The contractor shall make his own arrangement for the supply of wagons if required by him for the transport of his material at his own expenses.

14. Specification to be followed.

The work will be carried out strictly in accordance with Indian Standard Code of Practice. The aforesaid specification Should, however, be read in conjunction with the specification annexed to the tender, and in the event of any conflict contradiction between the provisions of such specifications, the specification annexed to the tender shall prevail. In case there is no provision in BIS/Indian Standard code of practice of CSEB/CSPDCL/CSPTCL/CG PWD and construction practice/standards. The work shall be carried out in accordance with such codes or practice as may be decided by the Engineer-in-charge in the absence of specification in any of the above codes, the specification as decided by the Chief Engineer(ST:RE) shall be applicable.



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## **SPECIAL NOTICE TO TENDERER**

### **CHECK LIST**

Regarding Tender no. 06/Engg/2016 Dt. 30/12/2016

**The tenderer shall be required to submit the tender in two envelop system :**

**I. Envelop 'A' should contain;**

1. Earnest money (DD) (Original)
2. Cost of Tender form (DD) (If Tender form obtained from website)
3. Copy of Registration Certificate in appropriate category.
4. Copy of Experience Certificate of appropriate amount & works mentioned in the tender.
5. Copy of Income Tax return certificate of previous year with pan card .
6. Copy of Sales Tax Registration Certificate.

**II. Envelope 'B' should contain;**

- 01- Prescribed tender form with rate quoted by the firm/contractor.

Envelop 'A' & 'B' will be separately sealed and then again put in the third bigger envelope which also should be sealed and super scribed on the top of the third envelop -

Name of work: 09- vkokl ka , oa ' ksf. kd Hkouka ea vkarfjd fo | r ejEer dk; A

**Tender no. 06/Engg/2016 Dt. 30/12/2016**

By Order

**University Engineer (I/c)**



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## Schedule of work

(Work as per CG PWD SOR 2015)

<b>Work for Internal maintenance work for staff quarters &amp; Educational building</b>					
<b>PWD SOR Code 2015</b>	<b>Description of Items</b>	<b>Unit</b>	<b>Rate</b>	<b>Qty</b>	<b>Amount</b>
4	WIRING IN SURFACE PVC CONDUIT				
4.1	Wiring for light/ fan/ exhaust fan / call bell point with 1.5 sqmm FR PVC insulated stranded copper conductor single core cable in surface PVC conduit, with 5 amp piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with same size cable etc as required.				
4.1.1	Short Point	Point	213.00	200.0	42600
4.1.2	Medium Point	Point	356.00	350.0	124600
4.1.3	Long Point	Point	506.00	300.0	151800
4.3	Extra for providing and fixing light plug point on board in surface PVC conduit point wiring with piano type 3 pin 5 amp socket outlet and 5 amp switch including cost of phenolic laminated sheet and M.S. box etc. as required.etc. as required.	Point	95.00	100.0	9500
4.4	Wiring for light plug point with 2x2.5 sq mm FR PVC insulated stranded copper conductor cable in surface PVC conduit along with piano type 6 amp switch and 3 pin 6 amps socket outlet with suitable size M.S. box, phenolic laminated sheet, earthing the switch box and socket outlet with same size cable etc. as required.				0
4.4.1	Short Point	Point	316.00	100.0	31600
4.4.2	Medium Point	Point	550.00	50.00	27500
4.4.3	Long Point	Point	822.00	100.00	82200
4.5	Wiring for power plug point with 2x4 sq mm FR PVC insulated stranded copper conductor cable in surface PVC conduit along with piano type 16 amp switch and 6 pin 16 amps socket outlet with suitable size M.S. box, phenolic laminated sheet, earthing the switch box and socket outlet with same size cable etc. as required.				0
4.5.1	Short Point	Point	465.00	50.00	23250
4.5.2	Medium Point	Point	781.00	50.00	39050
4.5.3	Long Point	Point	1163.0	50.00	58150
4.13	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface PVC conduit etc as required.				
4.13.1	3 X 1.5 sq. mm in 20mm conduit	Metre	74.00	200.0	14800

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4.13.2	3 X 2.5 sq. mm in 20mm conduit	Metre	95.00	200.0	19000
4.13.7	3 X 6 sq. mm in 25mm conduit	Metre	172.00	100.0	17200
4.15	Supplying and fixing of following sizes PVC conduit along with accessories in surface complete as required.				
4.15.1	20 mm	Metre	30.00	200.0	6000
4.15.2	25 mm	Metre	36.50	300.0	10950
4.16	Supplying and fixing of following sizes PVC casing capping along with accessories in surface complete as required.				
4.16.1	20x12 mm	Metre	29.00	150.0	4350
4.16.2	25x16 mm	Metre	33.00	100.0	3300
5	WIRING IN EXISTING STEEL/PVC CONDUIT				0
5.1	Wiring for light point/ fan point/ exhaust fan point/ call bell point in existing surface / concealed, steel/ PVC conduit with 1.5 sq. mm FR PVC insulated copper conductor single core cable and providing and fixing 5A piano type switch, phenolic laminated sheet, earthing the point with same size cable etc. as required.				0
5.1.1	Short Point	Point	129.00	50.00	6450
5.1.2	Medium Point	Point	259.00	100.00	25900
5.1.3	Long Point	Point	385.00	70.00	26950
5.4	Wiring for power plug point with 2x4 sq mm FR PVC insulated copper conductor cable in existing surface/ concealed, steel/ PVC conduit and providing and fixing piano type 16 amp switch and 6 pin 16 amps socket outlet, phenolic laminated sheet, earthing the switch box and socket outlet with same size cable etc. as required.				0
5.4.1	Short Point	Point	341.00	50.00	17050
5.4.2	Medium Point	Point	634.00	50.00	31700
5.4.3	Long Point	Point	966.00	50.00	48300
5.11	Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ concealed, steel/ PVC conduit/ PVC casing capping as required.				0
5.11.2	2 x 1.5 sq. mm	Metre	33.00	200.0	6600
5.11.3	3 x 1.5 sq. mm	Metre	44.50	100.0	4450
5.11.1 1	2 x 2.5 sq. mm	Metre	46.50	100.0	4650
5.11.1 2	3 x 2.5 sq. mm	Metre	64.50	100.0	6450
5.11.2 0	3 x 4 sq. mm	Metre	91.50	100.0	9150
6	METAL, WOODEN AND PVC BOXES				0
6.2	Supplying and fixing of following sizes wooden switch box made of wooden plank side wall and base including 3mm thick phenolic laminated sheet cover on surface complete as required				0
6.2.1	100mmX100mm	Each	55.00	100.0	5500
6.2.2	150mmX75mm	Each	58.00	100.0	5800
6.2.3	150mmX150mm	Each	76.50	100.0	7650
6.2.4	180mmX100mm	Each	69.50	100.0	6950
6.2.5	200mmX150mm	Each	88.50	100.0	8850
6.2.6	250mmX200mm	Each	94.50	50.00	4725
6.2.7	300mmX350mm	Each	116.00	50.00	5800
7	SWITCHES & ACCESSORIES				

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7.1	Supplying and fixing following piano type switch, socket, other accessories on the existing switch box/ cover including connections etc. as required.				0
7.1.1	5/6 amps one way switch	Each	23.00	1000.00	23000
7.1.4	15/16 amps switch	Each	69.50	200.0	13900
7.1.5	3 pin 5/6 amp socket outlet	Each	36.00	500.0	18000
7.1.6	6 pin 15/16 amp socket outlet	Each	69.50	200.0	13900
7.1.12	Fan regulator Electronic, step type moving all round	Each	178.00	200.0	35600
7.1.13	Ceiling rose 3 pin 5 amps	Each	28.00	500.0	14000
7.1.15	Batten/ angle holder	Each	37.50	300.0	11250
7.5	Providing and fixing 16/32 amp DP surface switch with neon on suitable size wooden box including connection, testing etc. complete.	Each	139.00	50.00	6950
8	FANS, LUMINARIES AND LAMPS				0
8.1	Supplying, installation, testing and commissioning of following sizes ceiling fan including wiring the down rods of standard length up to 30 cm with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable, earthing etc. complete as required.				
8.1.2	1200 mm sweep	Each	1503.0	20.00	30060
8.3	Providing and fixing phenolic laminated sheet cover of 180 mm dia 3 mm thick on the fan box etc. as required. (If provided at the time of installation of ceiling fan)	Each	45.50	100.0	4550
8.5	Supplying and fixing of resistance type ceiling fan regulator, in/ on existing switch box including connection, earthing etc. as required.	Each	118.00	100.0	11800
8.9	Supplying, installation, testing and commissioning of following surface/ concealed type fluorescent fitting (luminaries) complete with electronic ballast/ copper ballast glow type starter but without fluorescent lamp, on ceiling/ wall surface, earthing the fitting etc. as required.				
8.9.1	4' x 40 W single patti type	Each	272.00	200.0	54400
8.12	Supplying, fixing, testing and commissioning of following 230/250 volts fluorescent lamp (tube) in existing lighting luminaries as required.				
8.12.1	4' x 36/40 watt	Each	51.00	200.0	10200
8.17	Supplying, fixing and testing of approved make bulk head luminaries consisting of pressure die cast Alu. Housing, lamp holder, prismatic glass cover, rubber gasket and wire guard deluxe type including fixing on wall as required, with necessary material complete.	Each	430.00	60.00	25800
8.19	Supplying, fixing, testing and commissioning of following CFL without ballast in existing CFL lighting luminaries as required.				0
8.19.5	36W CFL (without choke)	Each	176.00	50.00	8800
8.36	Supplying, fixing, testing and commissioning of approved make following 230/250 volts electronic ballast in existing luminaries at all locations as required.				
8.36.1	For 36/40 watt T8 flu. Fitting	Each	253.00	50.00	12650





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8.37	Supplying, fixing, testing and commissioning of glow type starter suitable for 36/40 watt T8 230/250 volts flu. lamp in existing luminaries at all locations as required.	Each	23.00	100.0	2300
8.40	Supplying, fixing, testing and commissioning of following 230/250 volts igniters in existing luminaries at all locations as required.				0
8.40.1	For 70-400 watt integral luminaries	Each	297.00	20.00	5940
8.41	Supplying, fixing, testing and commissioning of following 230/250 volts capacitors in existing ceiling fans/ exhaust fan at all locations as required.				0
8.41.2	2.5 MFD	Each	95.00	100.0	9500
8.41.3	3.15 MFD	Each	98.50	50.00	4925
8.43	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length up to 30 cm with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable, earthing etc. complete as required.	Each	66.50	50.00	3325
8.47	Erection of all type of GLS lamps/ CFL fitting on wall /ceiling of all sizes and all shapes suitable upto two lamps per fitting, complete with all accessories including connection etc. as required.	Each	30.00	100.0	3000
8.48	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc. including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.				0
8.48.1	Directly on ceiling/ wall	Each	52.00	100.0	5200
8.51	Numbering of ceiling fan/ exhaust fan/ fluorescent fittings as required.	Each	9.50	700.0	6650
8.53	Providing and fixing wooden board of suitable size for energy meter etc complete as required.	Each	117.00	50.00	5850
9	MAIN METAL BOARD, BBC, IC				0
9.5	Supplying and fixing metal clad busbar chamber made of 1.6 mm thick CRCA 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 required.				0
9.5.1	100 amps x 300mm long	Each	858.00	15.00	12870
9.5.2	100 amps x 450mm long	Each	1232.0	15.00	18480
9.8	Supplying and fixing metal clad busbar chamber made of 1.6 mm thick CRCA sheet with 4 strip copper busbars of following capacity and length, complete with all accessories, including earthing the body etc. as required.				0
9.8.1	100 amps x 300mm long	Each	1646.0	5.00	8230
9.8.2	100 amps x 450mm long	Each	2438.0	5.00	12190
9.8.3	100 amps x 600mm long	Each	2997.0	5.00	14985
9.8.4	200 amps x 300mm long	Each	2389.0	10.00	23890
9.9	Providing and fixing metal clad, SP&N switch fuse unit (re-wirable), 230/250 volts, with porcelain re-wireable fuses including drilling holes on the board, connections, earthing the body etc. as required. (Thimbeling shall be paid separately).				0
9.9.1	32 amps	Each	931.00	20.00	18620
9.9.2	63 amps	Each	1676.0	10.00	16760

**Seal & signature of the contractor**

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9.10	Providing and fixing metal clad, TP&N switch fuse unit (re-wirable), 415/500 volts, with porcelain re-wireble fuses including drilling holes on the board, connections, earthing the body etc. as required. (Thimbeling shall be paid separately).				0
9.10.1	32 amps	Each	878.00	15.00	13170
9.10.2	63 amps	Each	1821.0	10.00	18210
9.10.3	100 amps	Each	3306.0	10.00	33060
9.10.4	200 amps		5067.0		
		Each	0	5.00	25335
9.12	Providing and fixing metal clad, TP&N double break fuse switch unit (HRC), 415/500 volts, with H.R.C. fuses including drilling holes on the board, connections, earthing the body etc. as required. (Thimbeling shall be paid separately).				
9.12.4	320 amps	Each	8954.0	6.00	53724
9.21	Supply, installation, testing and commissioning of 4 pole (3 phase + neutral) copper (electric grade) bus bars in existing cubicle type compartmentalized wall/ floor mounted panel board along with suitable size and shape insulators, necessary bolts and nuts etc complete as required.				0
9.21.1	100 amp (20x3mm)	Metre	1262.0	10.00	12620
9.21.2	200 amp (25x5mm)	Metre	2270.0	10.00	22700
9.21.3	300 amp (40x5mm)	Metre	2533.0	10.00	25330
11	MCCB, MCB, MCBDB				0
11.2	Supplying and fixing on surface/ recess following way, 240 volts SP&N MCB distribution board of sheet steel phosphatized and powder painted complete with tinned copper busbar, neutral busbar, earth bar, din bar, detachable gland plate, including interconnections, earthing etc. as required. (But without MCB/RCCB/Isolator)				0
11.2.1	4 way, Single door	Each	602.00	20.00	12040
11.2.2	8 way, Single door	Each	736.00	20.00	14720
11.2.3	12 way, Single door	Each	846.00	40.00	33840
11.2.4	16 way, Single door	Each	1017.0	20.00	20340
11.12	Supplying and fixing DP MCB, 240 volts, 'C' curve, suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as required.				0
11.12.2	6 amps to 32 amps	Each	428.00	20.00	8560
11.12.3	40 amps	Each	684.00	20.00	13680
11.12.5	63 amps	Each	684.00	20.00	13680
11.18	Supplying and fixing following rating, 240 volts TWO POLE ISOLATOR in the existing MCB DB complete with connections, testing and commissioning etc. as required.				0
11.18.2	40 amps	Each	271.00	60.00	16260
11.19	Supplying and fixing following rating, 415 volts, FOUR POLES, ISOLATOR in the existing MCB DB complete with connections, testing and commissioning etc. as required.				0
11.19.1	40 amps	Each	593.00	30.00	17790

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11.19.2	63 amps	Each	645.00	30.00	19350
12	ACB, STARTER, CONTACTOR, PANEL ACCESSORIES				0
12.7	Providing and fixing metal clad, 4 pole, on load change over switch unit (with sheet steel enclosure), 415/500 volts, in cubicle panel including drilling holes on the board, connections, earthing the body, testing and commissioning etc. as required. (Connecting lead if required shall be paid separately)				0
12.7.1	63 amps	Each	5281.0	5.00	26405
12.16	Providing and fixing single phasing preventer in existing panel including connection, testing and commissioning as required.	Each	478.00	10.00	4780
14.4	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe, with charcoal and salt as required.	Set	6754.0	50.00	337700
14.5	Supplying and laying 8 SWG copper wire at 0.50 metre below ground level for conductor earth electrode, including soldering etc. as required.	Metre	76.00	300.0	22800
14.6	Supplying and laying 25 mm X 5 mm copper strip at 0.50 metre below ground as strip earth electrode, including soldering, excavation and refilling the trench etc. as required.	Metre	525.00	25.00	13125
14.11	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing along with existing surface/ concealed conduit/ submain wiring/ cable as required.	Metre	59.00	100.0	5900
14.16	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode at 0.5 Metre depth below ground level including excavation and refilling the trench etc. as required.	Metre	130.00	200.0	26000
14.20	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 3043-1987 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 required:				0
23	HOUSE SERVICE CONNECTION				0
23.1	Providing and fixing for house service connection G.I. pipe 50mm dia 3.2 metre long with 2 Nos 50x50x6mm angle iron bracket on wall and 75x90mm shackle insulator with straps including accessories complete	Set	1601.0	60.00	96060



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23.2	Supplying and installing (overhead) service main with following size PVC insulated PVC sheathed aluminium conductor cables suspended with bobbin insulator on existing bearer wire in an approved manner and as per specification etc. or drawn in existing G.I. pipe bracket or conduit pipe wherever required, including connection, testing etc.				0
23.2.2	2 x 10 sq. mm	Metre	64.00	1000	64000
23.2.5	4 x 10 sq. mm	Metre	85.00	1000	85000
31.3	Repairing wall/ ceiling surface along dismantled surface conduit point wiring by refilling the hole with cement mortar & finished with matching distemper/ paint.	Point	1.40	200.0	280
31.4	Repairing wall/ ceiling surface along dismantled surface circuit/ sub main wiring by refilling the hole with cement mortar & finished with matching distemper/ paint.	Metre	0.50	300.0	150
31.5	Dismantling the existing ceiling / exhaust fan / cabin fan with accessories including shifting of dismantled material to department store.	Each	22.50	100.0	2250
31.6	Dismantling the all sizes indoor lighting luminaries from wall/ ceiling with accessories including shifting of dismantled material to department store.	Each	13.50	200.0	2700
31.7	Dismantling the all sizes outdoor lighting luminaries from wall/ roof with accessories including shifting of dismantled material to department store.	Each	31.00	100.0	3100
31.12	Dismantling of DP/T.P/TPN switch or D.B. of following capacity from angle iron board/ cubical panel including shifting of dismantled material to department store.				
31.12.1	Upto 125 amps	Each	35.50	100.0	3550
31.12.2	Above 125 amps	Each	44.50	50.00	2225
31.13	Dismantling of angle iron board/ cubical panel including repairing the wall, shifting of dismantled material to department store. (front area to be measured)	sqm	153.00	10.00	1530
32	MINOR CIVIL WORKS				0
32.9	Plastering 15 mm thick on brick work/ CC surface with cement mortar 1:4 (1 cement : 4 fine sand) at all levels.	sqm	111.00	50.00	5550
32.10	Cement mortar 1:4 (1 cement : 4 coarse sand).	cum	2654.0	5.00	13270
33	MAINTENANCE				0
33.1	Rewinding of ceiling fan by copper enameled wire of suitable gauge including all other required material i.e. insulation varnish, connection leads, oiling greasing etc complete with testing including dismantling & refitting of fan at site. (old copper wire will become the property of contractor)				0
33.1.1	48" (1200 mm sweep )	Each	368.00	50.00	18400



**GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)**

( A Central University established by the Central Universities Act, 2009 )  
Phone 07752-260207, fax 07752-260154 Website www.ggu.ac.in

**Tender Notice No 06/Engg./2016,**

**Dt. 30/12/2016**

33.3	Cleaning, overhauling, servicing of ceiling/ Exhaust / wall bracket fan including greasing/ oiling, replacement of safety pins, check nuts, lock nut, nut bolts etc. making perfect alignment including dismantling and refitting at site as required.	Each	104.00	50.00	5200
33.4	Replacement of defective ball bearing by approved make of suitable size bearing of all size of ceiling fan during overhauling as required.	Each	53.50	50.00	2675
33.5	Replacement of defective ball bearing by approved make of suitable size bearing of all size of ceiling fan including dismantling, disassembling, assembling and refitting as required.	Each	82.50	50.00	4125
33.11	Painting of following height steel tubular poles with two coat of enamel paint of approved brand and colour including cleaning the surface as required:				0
33.11.3	Above 8 metre and upto 10 metre	Each	248.00	10.00	2480
33.11.4	Above 10 metre and upto 12 metre	Each	331.00	10.00	3310
33.12	Painting of following height steel tubular poles with two coat of aluminium paint of approved brand including cleaning the surface as required:				0
33.12.2	Above 6 metre and upto 8 metre	Each	201.00	10.00	2010
33.12.4	Above 10 metre and upto 12 metre	Each	402.00	10.00	4020
33.14	Painting new steel and other metallic surface with red oxide zinc chromide primer paint complete with supply of material labour etc. including preparation of surface.	sqm	124.00	20.00	2480
<b>Total Rs.</b>					<b>2501834</b>
<b>Say Rs.</b>					<b>250000.00</b>
<b>Rs. Twenty five Lakh Only</b>					

**Note :**

- 01- The items other than the schedule will be taken from CG PWD SOR-2015 applicable in CPWD with tender rate (percentage above/at par/below) if required.
- 02- For any disputes in rate or item standard CG PWD SOR-2015 will be followed.

**SUB ENGINEER (Ele.)**

**UNIVERSITY ENGINEER (i/c)**

**Seal & signature of the contractor**

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