



UNIVERSITY OF HYDERABAD
{Establishment by the act of the Parliament in 1974}
Gachibowli, Hyderabad

TENDER SCHEDULE

Name of the Work:- Running Rate Contract for Electrical works Under Electrical Sub-Division I in UoH Campus for the year 2019-20.

CONTRACTOR

ESTIMATED COST Rs. 44,65,900/-

SANCTION AMOUNT Rs. _____

EMD Rs. 89,318/-

F & A Receipt No. _____ Book No. _____

Time for the Completion of work: 12 Months

FROM _____ TO _____

WORK ORDER REFERENCE:

EXPENDITURE CHARGABLE TO:

Bid Submission start date of Tender (Online) : 13.02.2020 up to 2.30 P.M.

Bid Submission close date of Tender (Online) : 26.02.2020 up to 2.30 P.M.

Bid opening date of Tender (Online) : 26.02.2020 at 3.00 P.M (Technical Bid)

Date of opening of financial bids of technically qualified Contractors will be intimate later through Central Public Procurement Portal.



UNIVERSITY OF HYDERABAD

{Established by the act of Parliament in 1974}

University Works Department,
University of Hyderabad,
Gachibowli,
P.O. Central University,
HYDERABAD – 500 046.
Dated: 13.02.2020

No. UH/Engg/NIT/2018-20/

NOTICE INVITING TENDER

Percentage Tenders are invited from the registered/Licensed Contractors for the following work at University of Hyderabad Campus.

Sl. No.	Name of the work	Estimated Cost Rs.	D.D. should be drawn in favour of Finance Officer, UoH. EMD Rs.	Time for Completion of the work
1	“Running Rate Contract for Electrical works Under Electrical Sub-Division I in UoH Campus for the year 2019-20.	Rs. <u>44,65,900</u> /-	Rs. <u>89,318</u> /-	12 months

NOTE:- The contractors/bidders are requested to download the General Conditions and Eligibility criteria for submission of tender document from the University Website i.e Uohyd.ac.in (or) e-procure.gov.in on or after 13.02.2020 and submit under two envelop system. The submission and opening of tender details as follows.

Bid Submission start date of Tender (Online) : 13.02.2020 up to 2.30 P.M.

Bid Submission close date of Tender (Online) : 25.02.2020 up to 2.30 P.M.

Bid opening date of Tender (Online) : 26.02.2020 at 3.00 P.M (Technical Bid)

Date of opening of financial bids of technically qualified Contractors will be intimate later through Central Public Procurement Portal.

Sd/-
EXECUTIVE ENGINEER

Sd/-
UNIVERSITY ENGINEER

UNIVERSITY OF HYDERABAD
University Works Department

Item Rate Tender Contract for Works

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Signature of the Contractor

Details of the Contractor

S.No.	Particulars	
1	Name of the Firm	
2	Name of the Contractor	
3	Contractor Details	
(a)	Mobile	
(b)	E-Mail id	
4	Name of the Bank	
5	Name of the Branch	
6	Account No. (prefix with zeros, if any as given on the cheque book/pass book) {please attach cancelled cheque }	
7	IFSC Code of the Branch	
8	MICR Code	
9	PAN No.	
10	GST No.(if applicable)	

Signature of the Contractor

(With Stamp)

GENERAL GUIDELINES

1. This book of “General Conditions of Contract” is applicable to both types of tenders i.e.” Percentage rate tenders and Item rate tenders”. Accordingly, alternative provisions for conditions Nos. 4, 10 & 12 of the General Rules and Directions are given in this book. The appropriate alternatives will be applicable in specific cases depending on whether this is used for percentage rate tender (CPWD-7) or item rate tender (CPWD-8).
2. CPWD-6, Schedules A to F, special conditions/specifications and drawings only will be issued to intending bidders. The HCU-GCC 2016 form will not be issued along with the Tender Documents but the same shall form part of the agreement to be drawn and signed by both parties after acceptance of tender. The HCU-GCC 2016 can be accessed and downloaded from website www.uohyd.ac.in
3. All blanks are confined to Notice Inviting Tender (CPWD-6) and Schedules A to F.
4. Authority approving the Notice Inviting Tenders (NIT) shall fill up all the blanks in CPWD-6 and in Schedules B to F before issue of Tender Papers.
5. The intending bidders will quote their rates in Schedule A (Schedule of quantities in CPWD Form 3)
6. The proforma for registers and Schedules A to F are only for information and guidance. These are not to be filled in the Standard Form. The Schedules with all blanks, duly filled, shall be separately issued to all intending tenderers.

Method of Tender Application, Tender Submission and Tender Opening

Two Envelope System as defined in CPWD Works Manual 2014 Para 15.7.1.1 shall be followed:

Envelope - 1 :-Documents related to eligibility criteria, DD Towards Non-Refundable Tender cost drawn in Favour of ‘Finance Officer, University of Hyderabad’, if the Tender Document is downloaded by the bidders from website www.uohyd.ac.in, and DD or Deposit at Call receipt of a scheduled bank/fixed deposit receipt of a scheduled bank/demand draft of a scheduled bank issued towards EMD drawn in favour of ‘Finance Officer, University of Hyderabad’ shall be placed in Envelope-1 **and shall be closed using suitable adhesive**. Only Bids submitted along with Tender cost and EMD in the prescribed form shall be considered for further evaluation of eligibility Criteria. Bids submitted without Cost of Tender document and EMD shall be summarily rejected. The Technical Bid **SSI/MSME/PSU** (Central and sate) **are not exempted** from submission of EMD and transaction fee for tender processing. Purchase preference for **SSI/MSME/PSU** shall not be provided for this tender. The Technical bid shall contain all the documents based on which the bidder claim to be eligible as per eligibility criteria prescribed in NIT. It shall be clearly written on the Envelope as “Technical bid” **and shall be closed using suitable adhesive**. Any discloser of financial bid in the technical bid documents will lead to summery rejection of bid.

Signature of the Contractor

Envelope - 2 :-Financial bid in the form prescribed in the NIT. The second Envelope shall contain the financial bid in the format given in the NIT. Financial bid in any other format shall be liable for rejection. It shall be clearly written on the Envelope as 'Financial bid' **and shall be closed using suitable adhesive.**

Both the Envelopes of Technical bid Envelop and financial bid Envelope shall be placed in larger Envelope **and shall be closed using suitable adhesive** the Bidder's Name shall be written on this Envelope and submitted before due time and date stated in the NIT. The envelopes not closed by using adhesive are summarily rejected.

The bidder can download entire document from the www.uohyd.ac.in. The technical bid of bidder who submitted DD towards EMD only shall be opened for Scrutiny. Bid submitted without EMD shall be summarily rejected.

First Technical bid shall be opened and once technical bids are scrutinized, the financial bids of only Eligible bidder shall be opened. Technical bid shall be opened at 3.00 P.M of the date of opening and depending on the number of bidders, the financial bids shall be opened after evaluation of Technical bids or 3.00 PM the following working day (Tentatively)

Signature of the Contractor

Eligibility Criteria and Notice Inviting tender:

- (1) The contractor should have "A" Grade Electrical License holder upto 33KV issued by the competent authority.
- (2) The contractor must be submit an experience certificates issued by appropriate authority either Govt/Semi Govt/ PSU etc.,
- (3) Experience (Eligibility criteria for participation in tendering).

Estimated Cost for the work is **Rs.44,65,900/-**

Bidders should have satisfactorily completed government /semi government works during last 7 years ending last day of the month previous to the one in which the tenders are invited.

- (i) One work Electrical works/Electrical maintenance works completed work costing not less 80% of Estimated cost i.e Rs.35,72,720/-

(OR)

- (ii) Two works Electrical works/Electrical maintenance works completed work **each** costing not less 50% of Estimated cost i.e. Rs. 22,32,950/-

(OR)

- (iii) Three Electrical works/Electrical maintenance works completed work **each** costing not less 40% of Estimated cost i.e. Rs. 17,86,360/-

Self-Attested copies of experience certificates are to be submitted.

- (b) The value of executed work will be brought to the current costing level by enhancing the actual value of work at simple rate of 7 % per annum to be calculated from the date of completion to the date receipt of tender as mentioned in NIT.

(4) Only work completed and certified by competent authority of the organization will be accepted as experience certificate. Certificate not issued in name of bidder (Contractor) or issued by an authority not competent to issue such certificate will not be accepted.

Mere work order or purchase order etc. issued will not qualify for experience.

(5) The copies of relevant certificates of income tax/IT returns, ESI, PF, PAN Card, GST register certificated should accompany to the technical bid.

(6) To become eligible for issue of tender, the tenderer shall have to furnish an undertaking, as per form 'J' of the NIT.

(7) Agreement shall be drawn with the successful tenderer in the prescribed Form No. CPWD 7/8 which is available in the University of Hyderabad website. Tenderer shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.

(8)The time allowed for carrying out the work is **12 months** from the date of start as defined in clause 5 Scheduled "F" or from the first date of handing over of the site, whichever is later, in accordance with phasing if any indicated in the tender document. The site shall be made available as and when required for execution of work.

(9) Tenders shall be accompanied with Earnest money of 2% of estimated cost put to tender/fixed deposit receipt of a scheduled bank/demand draft/banker check of a scheduled bank issued in favour of Finance Officer, University of Hyderabad payable at Hyderabad.

Signature of the Contractor

(10) The Bidder/contractor, whose tender is accepted, will be required to furnish performance guarantee of 5% (Five Percent) of the tendered amount (including the EMD 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. 10000/-) 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/-) Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank 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.

(11) The description of the work is as follows:

Copies of other drawing and documents pertaining to the works will be open for inspection by the tenderers at the office of above-mentioned officer. Tenderers are advised to inspect and examine the building and its area surroundings and satisfy themselves before submitting their tenders. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, required for executing the work unless otherwise specifically electricity access, facilities for workers and all other services 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.

(12) The competent authority on behalf of the University of Hyderabad does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.

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

(14) The University Engineer on behalf of the competent authority of University reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.

(15) No Engineer of Gazette 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.

This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.

Signature of the Contractor

(16) The tender for the works shall remain open for acceptance for a period of ninety (90) days from the date of opening of tenders/Ninety days from the date of opening of financial bid in case tenders are invited on 2 envelop system (strike out as the case may be) if any tenderer withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the retendering process of the work.

(17) The notice inviting Tender shall form 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:-

a. The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, Clarifications if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.

b. Standard C.P.W.D. Form 7/8

(17) Time and Quality are the essence of this work and to ensure the same each R.A bill shall accompany timely, Quality, Quantity certificate and the same shall be ensured by the University Engineer.

Signature of the Contractor

Percentage Rate Tender Contract for Works

(A) Tender for the work of: **Running Rate Contract for Electrical works Under Electrical Sub-Division I in UoH Campus for the year 2019-20.**

(i) To be submitted by _____ up to 2.30 P.M.

_____.

(ii) To be Opened in presence of tenderers who may be present at

3.00 P.M Hyd. On _____ in the office of the

Executive Engineer, University Works Department, University of
Hyderabad

Issued to N/A

Signature of officer issuing the tender Documents:

Designation N/A

Date of Issue _____

Signature of the Contractor

TENDER

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

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

We agree to keep the tender open for ninety (90) days from the due date of its opening / ninety days from the date of opening of financial bid in case tenders are invited on 2/3 envelop system (strike out as the case may be) and not to make any modification in its terms and conditions. A sum of Rs. _____ is hereby forwarded in DD / Bankers Cheque / deposit at call receipt of a scheduled bank/fixed deposit receipt of scheduled bank/demand draft of a scheduled bank issued by a scheduled bank in Favour of ‘Finance Officer, UOH’ as earnest money. If I/We, fail to furnish the prescribed performance guarantee within prescribed period. I/We agree that the said University of Hyderabad, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that University of Hyderabad in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms & conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. Further, I/we agree that in case of forfeiture of earnest money & performance guarantee as aforesaid. I/we shall be debarred for participation in the re-tendering process of the work.

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

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

Dated:

Signature of Contractor

Witness:

Address:

Postal Address:Occupation:

Signature of the Contractor

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for an on behalf of the University of Hyderabad for a sum of Rs.

_____ (Rupees _____)

_____). The letters referred to below shall form part of this contract agreement:-

- (a)
- (b)
- (c)

University Engineer

Signature

.....

Signature of the Contractor

FORM 'J'

UNDERTAKING

I/We undertake and confirm that our firm/partnership firm has not been blacklisted by any state/central departments/PSUs/Autonomous bodies and the last 7 years of its operations. Further that, if such information comes to the notice of the department then I/we shall be debarred for bidding in University of Hyderabad in future forever. Also, if such information comes to the notice of University of Hyderabad on any day before date of start of work, the Engineer-in-charge shall be free to cancel the agreement and to forfeit the entire amount of earnest money Deposit/Performance Guarantee.

If further solemnly declare that all the certificates are true to the best of my knowledge.

Signature of Bidder(s) or an authorized Officer of the firm with stamp

Signature of the Contractor

Check list for issuance of Tender document

Sl No	Doc Ref	Description of the Document	Enclosed Yes/No	Remarks
1	NIT Para No 1 Registration of Contractors	CPWD/MES/BSNL/Railway/State PWD (B&R) Autonomous bodies or undertakings.		
2	NIT Para No 1 Eligible Contractors/	Date of validity of enlistment		
3	Details of works completed during last 7 years (Detailed statements to be enclosed)	Not less than 40 % of estimated cost Three works Electrical works/Electrical maintenance works completed work.		
		Not less than 50 % of estimated cost Two works Electrical works/Electrical maintenance works completed work.		
		Not less than 80 % of estimated cost One work Electrical works/Electrical maintenance works completed work.		
		(Details of works on which contractor meets specified eligibility criteria)		
4	As per the NIT	The tenderer shall have to furnish an undertaking in prescribed format. (form J)		

Signature of the Contractor

PROFORMA OF SCHEDULES

(Separate Performa for Civil, Elect. & Hort. Works in case of composite Tenders)
(Operative Schedules to be supplied separately to each intending tenderer)

SCHEDULE 'A'

Schedule of quantities (as per PWD-3)

SCHEDULE 'B'

Schedule of materials to be issued to the contractor.

S.No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of issue
1	2	3	4	5
	Nil	Nil	NA	NA

SCHEDULE 'C'

Tools and plants to be hired to the contractor

S.No.	Description	Hire charges per day	Place of Issue
1	2	3	4
	Nil	NA	NA

Signature of the Contractor

SCHEDULE 'D'

Extra schedule for specific requirements/document for the work, if Particular Specifications and Tender Conditions attached

SCHEDULE 'E'

Reference to General Conditions of contract: HCU-GCC-2016

Tender for the work of: **"Running Rate Contract for Electrical works Under Electrical Sub-Division I in UoH Campus for the year 2019-20."**

Estimated cost of work : **Rs.44,65,900/-**

(i) Performance Guarantee : 5% of tendered value (Including EMD)

(ii) Security Deposit : 10% of tendered value

SCHEDULE 'F'

GENERAL RULES & DIRECTIONS: Officer inviting tender: Engineer-in-Charge/E.E

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

See below Definitions:

2(v) Engineer-in-Charge/E.E is referred to University Engineer or any other Engineer so designated having overall supervision and charge of the execution of the work and who shall sign the contract on behalf of University of Hyderabad.

2(viii) Accepting Authority is the V.C, University of Hyderabad

2(x) Percentage on cost of materials and Labour to cover all overheads and profits : 15%

2(xi) Standard Schedule of Rates is DSR : 2018
: U.W.D , UOH,
HYDERABAD

2(xii) Department

9(ii) Standard HCU Contract Form GCC 2016, HCU Form 7/8 modified & Corrected up to 2016

Signature of the Contractor

Clause 1

(i) Time allowed for submission of Performance Guarantee from The date of issue of letter of acceptance . 14.....Days

Clause 2

Authority for fixing compensation under clause 2 is U.
E

Clause 2A

Whether Clause 2A shall be applicable No

Clause 5

Number of days from the date of issue of letter of acceptance for reckoning date of start..... 14... Days

Signature of the Contractor

Mile stone(s) as per table given below:-

Description of Milestone (Physical)	Time allowed in days(from date of start)	Amount to be with-held in case of non-achievement of mile stone

Time allowed for execution of work.....:

Authority to decide:

(i) Extension of time : Engineer-in-Charge/E.E

(ii) Rescheduling of mile stones : Engineer-in-Charge/E.E

Clause 6 / 6A

Clause applicable - (6 or 6A) : 6

Clause 7

Gross work to be done together with net payment /adjustment of advances for material collected, if any, since the last such Payment for being eligible to interim payment

Rs: Total Tender Amount X0.75

No. of months for completion of work

Clause 10A

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

1 2. 3.....

4 5. 6.....

Clause 10B(ii)

Whether Clause 10 B (ii) shall not applicable Ye
s

Clause 10 (C) : Whether applicable or not? Ye
s

Clause 10 (CA): Whether applicable or not? No

Clause 10 (CC): Whether applicable or not: No

Signature of the Contractor

Clause 12

12.2. & 12.3 Deviation Limit beyond which clauses

12.2 & 12.3 shall apply for building work..... Unlimited

12.5 Deviation Limit beyond which clauses

12.2 & 12.3 shall apply for foundation work Unlimited

Clause 16

Competent Authority for deciding reduced rates. Engineer-in- charge

Clause 18

List of mandatory machinery, tools & plants to be deployed by the contractor at site:-

- 1. 2..... 3.
- 5.
- 6.....
- 4.
- 7. 8..... 9.

Clause 25

Constitution of Dispute Redressal Committee (DRC)	Competent Authority to appoint DRC
DRC shall constitute of one Chairman and two members	University Engineer

Signature of the Contractor

Clause 36 (i)

Requirement of Technical Representative(s) and recovery Rate

Minimum Qualification of technical representative	Discipline	Designation (Principal Technical/ Technical Representative)	Minimum Expenditure	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i)	
					Figures	Words

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

Clause 42

(i) (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2016 printed by C.P.W.D.

(ii) Variations permissible on theoretical quantities:

(a) Cement

For works with estimated cost put to tender not more than Rs. 5 lakh. 3% plus/minus.

For works with estimated cost put to tender more than Rs.5 lakh. 2% plus/minus.

(b) Bitumen All Works 2.5% plus & only & nil on minus side.

(c) Steel Reinforcement and structural steel sections for each diameter, section and category 2% plus/minus

(d) All other materials. Nil

Signature of the Contractor

Special Conditions

Name of Work: Running rate contract for Electrical works Under Electrical Sub-Division-I in UoH Campus for the year 2019-20

1. The Quantities are approximate and indicative only.
2. The acceptance of Tender does not confer any right to the contractor for execution of works.
3. The running rate contract is only for petty/small/minor works of the estimated cost up to Rs. 2, 00,000/- (up to One Lakh only).
4. The works which are estimated to be more than Two lakhs, a separate quotations/tenders shall be called and contractor does not have any right to claim such works under Running Rate Contract.
5. A separate work order will be issued for each sub-works as and when required during the period of running rate contract.
6. The rate for extra item, if any will be paid at the rate of DSR-2018 Rates plus or minus the quoted percentage rate in the Tender. For any extra items, not covered in DSR-2018 and based on Market Rate items the rates shall be derived as per Contract Clause in clause 12 of agreement.
7. The quoted percentage shall remain valid for all work till the completion of contract value for which the sub-work orders are issued or one year right to extend the duration and value of Running Rate Contract.
8. If the contractor fails to complete more than two works in stipulated time as per the time indicated in sub-work order the entire Running Rate Contract shall be liable for Fore-Closure and Forfeiture of EMD/PG/SD (under Agreement Clause 3 , or Clause 13 or Clause 14 or any other relevant Clauses of Agreement.

Notwithstanding the agreement entered into for this work between the Contractor and the University of Hyderabad the university reserves the

9. Right to call Quotations/Tenders, issue work orders for similar works to any other contractor.
10. The duration of the completion of sub work order shall normally be one week to 4 weeks.

These special conditions for operation of Running Rate Contract shall be part of NIT.

Signature of the Contractor

LIST SHOWING PREFERRED BRANDS/MANUFACTURERS/MAKE

28. SPECIALIZED AGENCIES

28.1 CIVIL

NOTE: - 1) A List of Preferred Brand Names of Various Materials / Products are shown below for usage in execution of Work. However, Approved equivalent material of any other Specialized Companies / Firms may also be used , in case it is established that the Brands Specified below are not available in the market and subject to Approval of the alternate Brand by the Engineer In charge.

2) It must be ensured, in general, that all materials to be used in the works shall bear BIS Certification mark. In cases where for a particular material/product, BIS Certification Mark is not available, then the material proposed to be procured can be used subject to the condition that it should conform to CPWD Specifications and relevant BIS codes. In such cases written approval of the Engineer-in -Charge shall be obtained before use of such material in their works.

3) The list given below does not absolve the Executing Agency from their responsibility for using these products. It is only after, they are satisfied about the quality and performance, the products shall be used. To achieve this, proper check on the quality of the product, actually to be used, should be exercised.

28.2 ELECTRICAL			
1.	L.T. Power Cable		: Finolex/ Universal/ Fort Gloster/ Polycab
2.	H.T. XLPE Cable		: Universal/Polycab/Havells/Gloster/RPG
	Asian		
3.	Multi stand flexible copper wires: Fire retardant finolex/Anchor/Havells/Polycab.		
4.	Modular switch, socket power		: TOYONA (Accura) Anchor (Roma)
	Socket TV Telephone Socket		
5.	Modular piano type switch : TOYONA (Accura) Anchor (Roma)		
6.	Fan regulators		: TOYONA (Accura)
7.	Cable Glands		: Comet / Jainson
8.	Cable lungs copper		: Dowells/ Jainson
9.	L.T.Switch Gear & MCCB		:Schneider/MDS/Semiens/C & S
10.	MCB's/RMCB's etc.		: Protec/ MDS/Semiens/C & S
11.	Protection Relays		: Alsthom/Segc/Telimachine
12.	Panel meters 96 sqm(Digital)		: Enercon/Neptune
13.	Panel meters 144 sqm(Analong)		: AE/MECO
14.	Indication lamps led type/ :		Binay/Schnieder Push buttons
15.	Sector Switches		: Kaycee/Salzer/TOYOMA (Accura)
16.	Distribution Boards		: Protec/MDS
17.	PVC pipes		: Sudhakar/Finolex/Mercury
18.	PVC Fittings		: Prime/Mercury
19.	Tube light fitting		: Crompton/Philips/Bajaj
20.	Switches/Socket		: Anchor (Rona),TOYOMA (Accura)/ Bajaj
Signature of the Contractor			

21.	Electronic Fan regulators		: Anchor (Rona),TOYOMA (Accura)
22.	Telephone wires		: Mazda
23.	T.V.Wire		: Finolex/Anchor
24.	CFL Lamps & Fittings		: Bajaj/Philips/Crompton
25.	Ceiling fans		: Crompton/Bajaj/Orient/Usha
26.	Exhaust fans		: Crompton/GEC/Khaitan
27.	Sodium vapor lamps & fittings		: Bajaj/Philips/Crompton
28.	Energy meter		: Havells/ L & T/ECE
29.	Transformers		: Kirloskar. Crompton Grieves/ Indotech/Alstom/PETE
30.	Vacuum circuit breakers		: Biicola wire/ Alshthom/CG
31.	Cubical Electrical panels/		: Any fabrication with CPRI approved and ISO 9002
	Bus ducts/Generator Panel		certification company/ Manufacturer.

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UNIVERSITY OF HYDERABAD

Electrical-I (Elec(1))

*(C)

Sub: Running Rate Contract for Electrical works Under Electrical Sub-Division I in UoH Campus for the year 2019-20

- 1) In part-A item no. 1 to 43 are based on Electrical DSR 2018 rates and market rates inclusive of GST.GST need not to be quoted separately for these items 1 to 43. (Part-A).
- 2) In part-B item no. 44 to 51 are based on market rates exclusive of GST.GST will be quoted separately for these items 44 to 51 (Part-B).
- 3) L-1 shall be decided after combining part-A and part-B based on rates inclusive of GST for part-A and exclusive of GST on part-B.
- 4) The items and quantities given are indicative only. The quoted percentage will be applicable to all items of DSR 2018 rates.

S.No	D.S.R.No	Description of item	Qty	Unit	Rate	Amount
1	1.1	Wiring for light point / fan point / Exhaust fan with 1.5 sqmm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit with modular switch, modular plate suitable GI box and earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable etc., as required.				
a)	1.10.1	Group – A	15.00	Each	717.00	10,755.00
b)	1.10.2	Group – B	15.00	Each	783.00	11,745.00
c)	1.10.3	Group – C	15.00	Each	990.00	14,850.00
2	1.14	Wiring for circuit submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit as required.				
a)	1.14.2	2X2.5+1X2.5 Sqmm earth wire	200.0	Rmt	167.00	33,400.00
b)	1.14.3	2X4+1X4 Sqmm earth wire	400.00	Rmt	200.00	80,000.00
c)	1.14.4	2X6+1X6 Sqmm earth wire	100.00	Rmt	249.00	24,900.00
d)	1.14.8	4X4 +2X4sqmm earth wire	20.00	Rmt	308.00	6,160.00
3	1.18	Supplying and drawing following pair 0.5mm dia FRLS PVC insulated copper conductor, unarmoured telephone cable in the existing surface / recessed steel / PVC conduit as required				
b)	1.18.2	2 Pair	80.00	Rmt	20.00	1,600.00
c)	1.18.3	4 Pair	80.00	Rmt	29.00	2,320.00

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4	1.29	Supplying and fixing metal box of 150 mm X 75 mm X 60 mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch,Connections, painting etc. as required.	70.00	Each	285.00	19,950.00
5	1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	25.00	Each	495.00	12,375.00
6	1.41	Installation, testing and commissioning of pre-wired, LED fitting of all types, complete with all accessories and tube/lamp etc. directly on including connections with 1.5 sq. mm FRLS PVC insulated, copperConductor, single core cable and earthing etc. as required.	80.00	Each	168.00	13,440.00
7	1.53	Supplying and drawing of UTP 4pair CAT 6LAN cable in the existing surface / recessed steel / PVC conduit as required.				
a)	1.53.1	1 run of cable	40.00	Rmt	49.00	1,960.00
b)	1.53.2	2 run of cable	40.00	Rmt	82.00	3,280.00
c)	1.53.3	3 run of cable	40.00	Rmt	114.00	4,560.00
8	2.2	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				
a)	2.2.2	125 A, 16 kA,TPMCCB	8.00	Each	4145.00	33,160.00
b)	2.2.3	150 A, 16 kA,TPMCCB	5.00	Each	4688.00	23,440.00
c)	2.2.4	200 A, 16 kA,TPMCCB	5.00	Each	7628.00	38,140.00
d)	2.2.5	200 A, 25 kA,TPMCCB	4.00	Each	10953.00	43,812.00

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e)	2.2.6	250 A, 25 kA, TPMCCB	4.00	Each	12917.00	51,668.00
f)	2.2.7	250 A, 35 kA, TPMCCB	3.00	Each	11140.00	33,420.00
g)	2.2.15	200 A, 36KA, FPMCCB	5.00	Each	15149.00	75,745.00
9	2.4	Supplying and fixing of following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415V, on surface / recess, complete with tinned copper busbar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc., as required. (But without MCB/RCCB/Isolator)				
a)	2.4.1	4 Way (4+12) Double door	5.00	Each	3068.00	15,340.00
b)	2.4.2	6 Way (4+18), Double door	5.00	Each	3693.00	18,465.00
c)	2.4.3	8 Way (4+24), Double door	5.00	Each	4601.00	23,005.00
10	2.5	Supplying and fixing of following way, surface / recess mounting vertical type, 415V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200A, tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs as required. (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
a)	2.5.1	4 Way (4+12) Double door	3.00	Each	5651.00	16,953.00
b)	2.5.2	8 Way (4+24), Double door	3.00	Each	7744.00	23,232.00
c)	2.5.3	12 Way (4+36), Double door	3.00	Each	9828.00	29,484.00
11	2.10	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with Connections, testing and commissioning etc. as required.				
a)	2.10.1	Single pole	250.00	Each	199.00	49,750.00

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b)	2.10.3	Double pole	15.00	Each	556.00	8,340.00
c)	2.10.4	Triple pole	20.00	Each	826.00	16,520.00
d)	2.10.5	Triple pole and neutral	100.00	Each	1092.00	1,09,200.00
12	2.16	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 25/32 A, 240 V "C" curve DP MCB complete With connections, testing and commissioning etc. as required.	15.00	Each	848.00	12,720.00
13	2.18	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 A, "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as Required.	15.00	Each	1232.00	18,480.00
14	2.20	Supplying and fixing 30 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top along with 30 A, "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as Required.	9.00	Each	3048.00	27,432.00
15	5.4	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required.	6.00	Set	6216.00	37,296.00
16	5.6	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 of 2.7 meter long etc. with charcoal/ coke and salt as required.	6.00	Each	11794.00	70,764.00
17	7.1	Laying of one number PVC insulated and PVC sheathed / XLPE Power cable of 1.1 kV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.				
a)	7.1.1	Upto 35 sq. mm	100.00	meter	323.00	32,300.00
b)	7.1.2	Above 35 sq. mm and upto 95 sq. mm	100.00	meter	338.00	33,800.00

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c)	7.1.3	Above 95 sq. mm and upto 185 sq. mm	150.00	meter	352.00	52,800.00
d)	7.1.4	Above 185 sq. mm and upto 400 sq. mm	150.00	meter	396.00	59,400.00
18	9.1	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1KV grade as required.				
a)	9.1.20	3½ X 25 sq. mm (28mm)	30.00	Each	250.00	7,500.00
b)	9.1.21	3½ X 35 sq. mm (32mm)	20.00	Each	300.00	6,000.00
c)	9.1.22	3½ X 50 sq. mm (35 mm)	50.00	Each	329.00	16,450.00
d)	9.1.23	23 3½ X 70 sq. mm (38mm)	50.00	Each	368.00	18,400.00
e)	9.1.24	3½ X 95 sq. mm (45 mm)	50.00	Each	473.00	23,650.00
f)	9.1.25	3½ X 120 sq. mm (45 mm)	50.00	Each	489.00	24,450.00
g)	9.1.26	3½ X 150 sq. mm (50 mm)	50.00	Each	555.00	27,750.00
h)	9.1.27	3½ X 185 sq. mm (57mm)	50.00	Each	702.00	35,100.00
i)	9.1.28	3½ X 225 sq. mm (62mm)	50.00	Each	793.00	39,650.00
j)	9.1.29	3½ X 240 sq. mm (62mm)	30.00	Each	809.00	24,270.00
19	9.4	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium Conductor cable of 1.1 kV grade as required.				
a)	9.4.17	3½ X 25 sq. mm	5.00	Each	1988.00	9,940.00
b)	9.4.18	3½ X 35 sq. mm	5.00	Each	1988.00	9,940.00

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c)	9.4.19	3½ X 50 sq. mm	5.00	Each	2298.00	11,490.00
d)	9.4.20	3½ X 70 sq. mm	7.00	Each	2349.00	16,443.00
e)	9.4.21	3½ X 95 sq. mm	7.00	Each	2478.00	17,346.00
f)	9.4.22	3½ X 120 sq. mm	7.00	Each	3245.00	22,715.00
g)	9.4.23	3½ X 150 sq. mm	7.00	Each	3245.00	22,715.00
h)	9.4.24	3½ X 185 sq. mm	5.00	Each	3683.00	18,415.00
i)	9.4.25	3½ X 225 sq. mm	5.00	Each	3711.00	18,555.00
j)	9.4.26	3½ X 240 sq. mm	5.00	Each	4456.00	22,280.00
k)	9.4.27	3½ X 300 sq. mm	5.00	Each	5507.00	27,535.00
20	10.6	Supplying and making straight through cable jointing with heat shrinkable jointing kit complete with all accessories including ferrules suitable for following size of 3 core, XLPE aluminium Conductor cable of 11 kV grade as required.				
a)	10.6.1	70 sq. mm	10.00	Each	16799.00	1,67,990.00
b)	10.6.2	120 sq. mm	10.00	Each	18085.00	1,80,850.00
c)	10.6.3	240 sq. mm	5.00	Each	19314.00	96,570.00
d)	10.6.4	300 sq. mm	5.00	Each	19314.00	96,570.00
21	10.9	Supplying and making straight through cable jointing with heat shrinkable jointing kit complete with all accessories including ferrules suitable for following size of 3 core, XLPE aluminium Conductor cable of 33 kV grade as required.				

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a)	10.9.1	70 sq. mm	5.00	Each	44312.00	2,21,560.00
b)	10.9.2	120 sq. mm	5.00	Each	56325.00	2,81,625.00
c)	10.9.3	240 sq. mm	5.00	Each	78693.00	3,93,465.00
22	13.14	Supplying and erection of galvanised stay set for 33 kV over head lines complete with 19/ 20 mm dia X 1.8 meter long stay rod, anchor plate of size 45 cm X 45 cm X 7.5 mm thick, thimble, stay clamps, turn buckle (20 mm X 600 mm), 7/ 4.00 mm dia G.I. stay wire and 33 kV strain insulator etc. in cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required	6.00	set	5071.00	30,426.00
23	13.15	Supplying of channel iron 75 mm X 40 mm X 6 mm (7.14 kg per meter) pole top bracket/ cross arm for single 33 kV over head line conductor complete with 50 mm X 6mm flat iron clamps ,bolts and nuts including drilling holes for insulator pins, bolts,nuts, washers etc. and painting with primer and finish paint as required.	20.00	Each	462.00	9,240.00
24	13.16	Supplying of channel iron 75 mm X 40 mm X 6 mm (7.14 kg per meter) cross arm for two 33 kV over head line conductors complete with 50 mm X 50 mm X 6 mm angle iron bracketwelded to the channel iron and complete with 50 mm X 6mm M.S. flat iron clamps, bolts and nuts including drilling holes for insulator pins, bolts, nuts, washers etc. and painting with primer and finish paint as required.	18.00	Each	1951.00	35,118.00
25	13.23	Supplying and erection of 33 kV pin insulator complete with large steel head G.I. pin, nuts, washers etc. as required.	10.00	set	777.00	7,770.00
26	13.24	Supplying and erection of a set of three 11 kV disc insulator for 33 kV over head lines with galvanised insulator fittings, ball and socket type and complete with galvanised strain clamps, bolts,nuts, washers etc. as required.	20.00	set	2700.00	54,000.00
27	13.25	Supplying and erection of single piece nonlinear resistor type lightning arrester suitable for 3 wire, 33 kV overhead lines with rated voltage 30 kV (rms) with a nominal discharge current rating of 10 kA(station class) and complete with galvanised clamping arrangement, G.I. bolts, nuts, washers etc. as required	7.00	set	17174.00	1,20,218.00

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28	14.15	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. in the existing trench, complete as required.				
29	14.15.1	63 mm dia (OD-63 mm & ID-51 mm nominal)	100.00	meter	109.00	10,900.00
30	1001	wire man	1.00	per day	673.00	673.00
31	MR+ 1.44	Supply, Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (up to 30 cm) with 1.5 sq.mm FRLS PVC insulated , copper conductor, single core cable etc. as required.	30.00	Each	1658.00	49,740.00
32	MR	Supply and fixing of 20 watt, Retro fit LED T8 tube light with PC body. Make:Bajaj/ Crompton/ Philips/wipro	120.00	Each	546.00	65,520.00
33	MR	Supply and fixing of 48/50 watts LED street light fittings. Make:Philps/Crompton/Havells	40.00	each	4847.00	1,93,880.00
34	MR	Supply and fixing of LED 4' Lite lumiline tube light fittings at 20 watts Make:Bajaj/Crompton/ Philips/wipro	100.00	Each	655.00	65,500.00
35	MR	Rewinding of 3HP/ 5HP Mono Block motor pump set including servicing etc complete as required.	3.00	Each	4000.00	12,000.00
36	MR	Rewinding of 10 HP Mono Block pump set including servicing etc complete as required.	3.00	Each	8500.00	25,500.00
37	MR	Rewinding of 15HP Mono Block motor pump set including servicing etc complete as required.	3.00	Each	11000.00	33,000.00
38	MR	Rewinding of 3HP Submersible Motor Pump set including servicing etc complete as required.	6.00	Each	5000.00	30,000.00
39	MR	Rewinding of 5HP Submersible Motor Pump set including servicing etc complete as required.	3.00	Each	8000.00	24,000.00
40	MR	Rewinding of 6HP Submersible Motor Pump set including servicing etc complete as required.	3.00	Each	9000.00	27,000.00
41	MR	Rewinding of 7.5HP Submersible Motor Pump set including servicing etc complete as required.	3.00	Each	11500.00	34,500.00

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42	MR	Supply and fixing of 3 phase 4 wire electrical energy KWH meter.	10.00	Each	2748.00	27,480.00
43	MR	Supply and fixing of 1 phase electrical energy KWH meter.	10.00	Each	1104.00	11,040.00
		Total Rs.Part-A Including all taxes				39,22,690.00
PART-B						
44	MR	Supply of PVC insulated PVC Sheathed XLPE aluminium conductor cable and armoured UG cable of the following sizes. Including excavation & Laying etc.,				
i		4 core x 6 sq mm	300.00	meter	115.00	34,500.00
ii		4 core x 10 sq mm	150.00	meter	144.00	21,600.00
iii		4 core x 16sq mm	60.00	meter	164.00	9,840.00
iv		4 core x 25 sq mm	60.00	meter	207.00	12,420.00
v		3.5 core x 35 sq mm	60.00	meter	247.00	14,820.00
vi		3.5 core x 50 sq mm	90.00	meter	320.00	28,800.00
vii		3.5 core x 70 sq mm	90.00	meter	436.00	39,240.00
viii		3.5 core x 95 sq mm	60.00	meter	525.00	31,500.00
ix		3.5 core x 120 sq mm	60.00	meter	657.00	39,420.00
x		3.5 core x 150 sq mm	60.00	meter	777.00	46,620.00
xi		3.5 core x 185 sq mm	50.00	meter	970.00	48,500.00
45	MR	Supply and fixing of 3 phases, upto 10 HP DOL starter, 9-14 amps capacity. Make:LT \Siemens \Crompton	12.00	each	3000.00	36,000.00

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46	MR	Supply and fixing of 3 phases upto 12HP, Fully- Automatic Star-Delta starter, 9-14 amps capacity. Make: L&T \Siemens \Crompton	3.00	each	6720.00	20,160.00
47	MR	Supply and fixing of 3 phases, upto 75HP, ML 1.5F/2F Fully- Automatic Star-Delta starter, 45-75 amps capacity. Make:LT\LK\Siemens\Crompton	1.00	each	64305.00	64,305.00
48	MR	Supply and fixing of 3 phases, upto 15HP to 25 HP Fully- Automatic Star-Delta starter, 11-18 amps capacity. Make:LT\LK\Siemens \Crompton	5.00	each	6765.00	33,825.00
49	MR	Supply and fixing of Exhaust fan heavy duty 380 mm(Grey) Make: Bajaj/Crompton.	10.00	Each	3345.00	33,450.00
50	MR	Supply and fixing of 3 core x 4 sq.mm flat PVC insulated and sheathed industrial submersible copper cable of 1100 volts rate per coil of 100 mtrs.	2.00	Each coil	11000.00	22,000.00
51	MR	supply and fixing 7/20 wptc 6 sq.mm flat twin core stranded aluminium conductor PVC insulated & sheathed industrial cable of 1100 volts rate per coil of 100 mtrs.	3.00	Each coil	2,070.00	6,210.00
		Sub Total Amount of Part-"B"				5,43,210.00
		Add GST on item nos. 44 to 51 (Part-B)				
		Total Amount of Part- A & B				
		Contractor's Quoted percentage in Figures Rs.				
		Contractor's Quoted percentage in Words Rs.				
<p>1) In part-A item no. 1 to 43 are based on Electrical DSR 2018 rates and market rates inclusive of GST.GST need not to be quoted separately for these items 1 to 43. (Part-A).</p> <p>2) In part-B item no. 44 to 51 are based on market rates exclusive of GST.GST will be quoted separately for these items 44 to 51 (Part-B).</p> <p>3) L-1 shall be decided after combining part-A and part-B based on rates inclusive of GST for part-A and exclusive of GST on part-B.</p> <p>4) The items and quantities given are indicative only. The quoted percentage will be applicable to all items of DSR 2018 rates.</p>						
Signature of the Contractor		Sd/- Executive Engineer				