

Notice Inviting Tender
Corrigendum cum Extension of Date of Receipt of Tender

No. CURAJ/R/F.159/2024/1383

Date: 18.07.2024

A tender for “**Annual Repair, Maintenance & Operation of Electrical Works at Central University of Rajasthan**” was floated vide NIT No. CURAJ/R/F.159/2024/1175 dated 25.06.2024. Subsequently pre-bid meeting was held on 08.07.2024 and based upon various queries raised by the bidders, amendments/clarification to the NIT are listed as below:

Sr. No.	Pre-bid queries	Query Raised By	Reply
1	Average annual financial gross turnover on works during last three financial years is 04 Crore; which is high, against tender value. As per norms average turnover of last 3 years should be 50% of the tender value that is 01 Crore.	M/s Anil Jain Contractor, Arain, Ajmer (raised through email dated 08.07.2024)	Average annual financial gross turnover on works during last three financial years is being revised to 100% of the estimated cost which is 2.0 Crore.
2	Tender does not disclose the required manpower at site.		The tentative manpower is 24 Nos. as per following: a. Highly Skilled– 01 No. b. Skilled – 21 Nos. c. Semi-Skilled – 02 Nos. d. Other terms & conditions of NIT in this regard shall also be observed.
3	Tender does not disclose the working hour of manpower at site.		As per Govt. of India labour laws.
4	Clarify the Schedule No. 1, 2, 3, 8, 10 and 12.		a. For clarification regarding Schedule No. 01, refer reply of Sr. No. 02 and 03. b. No change in Schedule No-08. c. Schedule No. - 02, 03, 10 and 12 are revised and Revised Schedule No. - 2R, 3R, 10R and 12R are enclosed for bidding process. d. The word ‘Auction’ mentioned on page 38 of NIT may be read as ‘Disposal’.

5	Average annual financial gross turnover on works during last three financial years is 04 Crore; which is high, against tender value. As per norms average turnover of last 3 years should be 50% of the tender value that is 01 Crore.	M/s Om Shri Ganpati Electricals, Kishangarh, Ajmer (raised through email dated 08.07.2024)	Refer reply of Sr. No. 01.
6	Security Deposit deduction by the bill is 5% and it should be 2.5% in maintenance work.		No change.
7	Tender does not disclose the required manpower at site.		Refer reply of Sr. No. 02.
8	Tender does not disclose the working hour of manpower at site.		Refer reply of Sr. No. 03.

In addition to above, following amendments are also being incorporated:

1. The **Revised PG Amount will be 10% of accepted tender value** instead of 5% of accepted tender value.
2. The **Revised Minimum Criteria for Technical Eligibility** will be as per following:

“The Contractors have satisfactorily completed the works as mentioned below during the last FIVE years ending last day of the month previous to the one in which tenders are invited.

- *Three similar works each costing not less than 60% of estimated cost put to tender;*
OR
- *two similar works each costing not less than 80% of estimated cost put to tender;*
OR
- *one similar work costing not less than 120% of estimated cost put to tender”.*

3. The **Revised CPWD GCC Clause-02 applicable on compensation for delay** will be “with maximum rate @ 1% (one percent) per week of delay to be computed on per day basis on quantum of damage suffered due to stated delay on the part of Contractor, subject to maximum of 15% of the contract value”.
4. This **tender is also being extended till 24.07.2024 upto 02:00 pm**. The technical bid(s) of the tender will be opened on the same day at 03:00pm.

The bidders are advised to participate in the tender duly incorporating the above mentioned amendments. All other terms and conditions will remain same as per original tender document.

The document may be downloaded either from University web site www.curaj.ac.in or from CPP Portal at free of cost.

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Registrar (I/c)

SCHEDULE No- 2R

Name of Schedule: AMC of 04 Nos. 11/0.433 kV Electric Sub-Stations at CURaj.

Item No.	Description of Item	T/Qty	Unit	Rate excl. GST	Amount (in Rs.)
1	<p>General inspection and health checkup of all the E&M Installations at 04 Nos. 11/0.433 kV Electric Sub-Stations at CURaj Campus on quarterly basis (minimum once in three months) by the service engineer (s) of OEM / ASA of OEM.</p> <p>This work also includes all minor repair works required on site and unlimited breakdown calls throughout the contract as per tender terms and conditions alongwith submission of reports as per standard practice and directions of EIC.</p> <p>Note: This work excludes all major repair works and replacement of any type of spare part/component.</p>	4	Jobs/year		
2	Overhauling and complete servicing of HT VCB 11 KV including cleaning the contacts with CRC liquid, testing of closing/opening and tripping mechanism, charging circuits, testing control circuits, relays, fuses indicating lights, all measuring instruments and providing jelly on male/female contacts complete as required, as per standard practice and directions of Engineer-In-Charge.				
2.1	Each upto 800A Amp. Capacity	15	Nos		
2.2	Each 1250 Amp. Capacity	10	Nos		
3	Overhauling and complete servicing of LT ACB including cleaning the contacts with CRC liquid, testing of closing/opening and tripping mechanism, charging circuits, testing control circuits, relays, fuses indicating lights, all measuring instruments and providing jelly on male/female contacts complete as required, as per standard practice and directions of Engineer-In-Charge.				
3.1	Each upto 1000 Amp. Capacity	30	Nos		
3.2	Each upto 1001-2000 Amp. Capacity	40	Nos		
3.3	Each upto 2001-3200 Amp. Capacity	15	Nos		
4	Calibration and testing of Relay (feeder protection relay, master trip relay, trafo fault relay, O/V relay, Current Protection relay, E/F relay, APFC relay, etc.) on HT/LT panel as required, as per standard practice and directions of Engineer-In-Charge.	110	Job		
5	Calibration and testing of MF Meters i/c programming etc. as required, as per standard practice and directions of Engineer-In-Charge.	149	Nos		

6	Servicing of following panels including checking bus bar & connections tightening cleaning/removing dust with blower etc. as required, as per standard practice and directions of Engineer-In-Charge.				
6.1	L.T. panel	100	Job		
6.2	H.T. panel	25	Job		
6.3	APFC Panel	20	Job		
6.4	Battery Charging Panel	4	Job		
7	Maintenance of Earthing System based on IS standards including testing of earth pits, chemical/salt/charcoal filling, continuity test of earth strip/conductor from the earth pit to the earth terminal of electrical equipment, as reqd. on site, as per standard practice and directions of Engineer-In-Charge	40	Job		
8	Dehydration and filtration of insulation transformer oil of 11KV Transformers with filtration machine equipped with suitable heating system. attending leakages, testing of BDV, Megger inclusive of labour & transportation charges of equipment at site as reqd., as per standard practice and directions of Engineer-In-Charge.	10000	Litre		
9	Supplying & Top-up of dehydrated filtered transformer oil as per IS norms with minimum 50 KV BDV upto the required level of transformer and as reqd., as per standard practice and directions of Engineer-In-Charge.	400	Litre		
10	Replacement of worn out silica Gel with new silica gel for the breather of Transformer complete as required, as per standard practice and directions of Engineer-In-Charge.	9	Kg.		
	Total Amount excl. GST=A				
	Add GST @18% on A=B				
	Net Amount incl. GST in Rs. (A+B)=C				

Note: The AMC Work of 04 Nos. 11/0.433 kV ESS at CURaj shall only be carried out through OEM/Authorized Service Agents of OEM, being the specialized work(s) and for this purpose, the agency/contractor shall have to execute an MOU with OEM / Authorized Service Agent of OEM.

SCHEDULE No- 3R**Name of Schedule: Annual Servicing and Repairing of 05 Nos. Diesel-Generator Sets Installed at Central University of Rajasthan.****PART-1: Servicing of DG Sets.**

Sr. No.	Item Description	Location	Qty	Unit	Rate per annum excl. GST	Amount (in Rs.)
1	Servicing of below mentioned DG Sets complete with diesel engines, alternators, control panels along with associated accessories as per OEM norms, which includes general checking/inspection of all DG Sets on quarterly basis, attending unlimited breakdown calls, minor repair works and preventive maintenance including all checks (B, C, D), replacement of filters, lub. oil, coolant etc. as recommended by respective OEM as per standard practice and directions of Engineer-in-Charge. Note: This work excludes all major repair works and replacement of any type of spare part/component.					
1.1	250 KVA DG Set Make – Kirloskar Model No. 6SL8800TA	ESS No.01	1	Each		
1.2	250 KVA DG Set Make – Cummins Model No. 25775463	Auditorium	1	Each		
1.3	380 KVA DG Set Make – Cummins Model No. 25398033	ESS No. 20.7	1	Each		
1.4	500 KVA DG Set Make – Cummins Model No. 25417171	ESS No. 19.1	1	Each		
1.5	500 KVA DG Set Make – Cummins Model No. 25416790	ESS No. 19.2	1	Each		
	Total Amount excl. GST=A					
	Add GST @18% on A=B					
	Net Amount incl. GST in Rs. (A+B)=C					

PART-2 : Replacement of Spare Parts of DG Sets.			
Sr. No	Item Description	Tentative Amount (excl. GST)	Percentage <u>Over / At Par / Below</u> on OEM spare part latest rate list (To be filled by the Bidder)
1	Replacement of spare parts of following DG Sets including transportation, labour, installation, testing & commissioning charges complete in all respects as per standard practice and directions of Engineer-In-Charge. 250 KVA DG Set, Make – Kirloskar, Model No. 6SL8800TA 250 KVA DG Set, Make – Cummins, Model No. 25775463 380 KVA DG Set, Make – Cummins, Model No. 25398033 500 KVA DG Set. Make – Cummins, Model No. 25417171 500 KVA DG Set, Make – Cummins, Model No. 25416790	Rs. 2.00 Lacks	
Note: GST as applicable shall be paid separately for Part-2.			

PART-3: Disposal of used/waste DG Set lubricating oil (To be credited to the contractor).					
Sr. No.	Item Description	Qty	Unit	Rate	Amount (in Rs.)
1	Used/waste lubricating oil	500	Litre		
Note: a) Rates quoted shall be inclusive all types of taxes, freight, loading & unloading charges. b) It shall be the responsibility of contractor/agency to dispose the collected lubricating oil with the vendors having permission of collection/disposal/recycle/storage of waste/used oil as per CPCB/SPCB/Water and Air (Prevention & Control of Pollution) Act.					
Net Amount (Part 1 + Part 2 - Part-3) in Rs.					

Note: The Annual Servicing and Repairing Work of 05 Nos. Diesel-Generator Sets Installed at CURaj shall only be carried out through OEM/Authorized Service Agents of OEM, being the specialized work(s) and for this purpose, the agency/contractor shall have to execute an MOU with OEM / Authorized Service Agent of OEM.

SCHEDULE No-10R

Name of Schedule: Comprehensive Annual Maintenance Contract of Ductable/VRV-VRF/Cassate type Air-Conditioners Installed at Central University of Rajasthan.

Sr. No.	Description	T/Qty	Unit	Rate per annum (excl. GST)	Amount (in Rs.)
1	<p>Comprehensive Maintenance of Inverter technology based scroll compressor(s) 40 HP VRV/VRF type Air Conditioning Systems complete in all respects as per standard practice and directions of EIC.</p> <p>Details of the units are as under:</p> <p><u>Outdoor Unit Details:</u> Modular type Variable Refrigerant Flow/Variable Refrigerant Volume air cooled Outdoor units suitable for cooling and heating, having all hermetically sealed inverter type Scroll Compressor(s), microprocessor based Controller, top discharge type condensing unit(s), with R 410 A Refrigerant, Suitable to work on 400V +/- 10%, 3 Phase, 50Hz AC power supply. Cooling Range: -5C to 49C ; Operating Range in heating: -20C to 15.5C {Heat + Cool Pump Unit = 40HP (20+20)}. Make: Hitachi, Model No: RAS/20HNBCM1.</p> <p><u>Indoor Unit Details:</u> 4-way (360 degree)flow VRV/VRF Cassette Type Indoor ceiling mounted unit equipped with synthetic washable media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX Copper coil, electronic expansion valve, outer cabinet, drain pump, grill, necessary supports, vibration isolation, cord less remote control etc., suitable for operation on single phase 230 V ± 10%, 50Hz AC supply, complete. Automatic force shut down provision in case of fire on receiving signal from BMS System. The unit has two modes; In first mode unit shall increase temperature, when no occupancy. In Second mode, unit will be shut down when no occupancy in room. Make: Hitachi.</p> <p>1.0 - 1.5 TR with sensing panel, Make: Hitachi, Model No: RCI-2.0FSKDNQ = 01 Unit 3.0 - 3.2 TR with sensing panel Unit-01, Make: Hitachi, Model No: RCI-4.0FSKDNQ = 03 Units 4.0 - 4.6 TR with sensing panel Unit-02, Make: Hitachi, Model No: RCI-5.0FSKDNQ = 03 Units</p> <p>The scope also includes CMC of all associated parts like refrigerant piping, drain pipes, communication & power cables, remote control units, sensors etc.</p> <p>Date of Installation: 03.10.2020 Location: VC Secretariat, Admin Building, CURaj.</p>	1	Each		

2	<p>Comprehensive Maintenance of 11.0 TR capacity Ductable Air conditioning units with Scroll Compressor with R 410 A Refrigerant, vibration isolators etc. complete. The unit is suitable to work on 400V +/- 10%, 3 Phase, 50Hz AC power supply. Each unit comprise of separate Indoor and outdoor unit. (Make- Hitachi).</p> <p>The scope also includes CMC of all associated parts like refrigerant piping, drain pipes, communication & power cables, remote control units, sensors etc.</p> <p>Date of Installation: 25.01.2021 Location: Seminar Hall, 2nd Floor, A5 Academic Building, CURaj.</p>				
2.1	Unit-01, Make: Hitachi, Model No: PAO132HZDA3	1	Each		
2.2	Unit-02, Make: Hitachi, Model No: PAO132HZDA3	1	Each		
2.3	Unit-03, Make: Hitachi, Model No: PAO132HZDA3	1	Each		
2.4	Unit-04, Make: Hitachi, Model No: PAO132HZDA3	1	Each		
3	<p>Comprehensive Maintenance of 5.5 TR capacity Ductable Air conditioning units with Scroll Compressor, R 410 A Refrigerant, vibration isolators etc. complete. The unit is suitable to work on 400V +/- 10%, 3 Phase, 50Hz AC power supply. Each unit comprise of separate Indoor and outdoor unit. (Make- Carrier).</p> <p>The scope also includes CMC of all associated parts like refrigerant piping, drain pipes, communication & power cables, remote control units, sensors etc.</p> <p>Date of Installation: 2014-15 Location: NMR Lab, A4 Building, CURaj.</p>				
3.1	Unit-01, Make: Carrier, Model No: 38LH-066GAS	1	Each		
3.2	Unit-02, Make: Carrier, Model No: 38LH-066GAS	1	Each		
3.3	Unit-03, Make: Carrier, Model No: 38LH-066GAS	1	Each		
4	<p>Comprehensive Maintenance of ceiling-mounted 3.0 TR Cassette Air Conditioning units of the following specifications as per standard practice and directions of EIC:</p> <p>Power Ratings: 01Ph/03Ph, 50 Hz, AC Supply, Compressor: Rotary/Twin Rotary type, Type: Cooling only, Coil Material (evaporator & condenser): Copper, Remote Control: Included, AC Technology: Inverter, Eco-friendly Green Refrigerant Gas, Capacity: 3.0 TR (36000 BTU/Hr(+/-10% or equivalent), Make: Bluestar.</p> <p>The scope also includes CMC of all associated parts like refrigerant piping, drain pipes, communication & power cables, remote control units, sensors etc.</p> <p>Date of Installation: 01.05.2023 Location: NAAC Room, Admin Building, CURaj.</p>				
4.1	Unit-01, Make: Bluestar, Model No: ID336MBTUR3	1	Each		

4.2	Unit-02, Make: Bluestar, Model No: ID336MBTUR3	1	Each		
4.3	Unit-03, Make: Bluestar, Model No: ID336MBTUR3	1	Each		
	Total Amount excl. GST=A				
	Add GST @18% on A=B				
	Net Amount incl. GST in Rs. (A+B)=C				

SCHEDULE No- 12R

Name of Schedule: Annual Maintenance Contract of Air Ducting (ETAC) System installed at Central University of Rajasthan.					
Sr. No.	Description of Work	Qty	Unit	Rate excl. GST	Amount (in Rs.)
1	<p>Non-Comprehensive Annual Maintenance of Air Ducting (ETAC) System. The scope of work is mentioned in tender document and briefed hereunder:</p> <ul style="list-style-type: none"> - General inspection, Checking and Servicing of all units i/c panels, blowers, motors & pumps and accessories on quarterly basis. - Any breakdown call will be attended immediately on all days including holidays and sundays within the time limit mentioned in NIT. - Repair of electrical and mechanical parts found faulty due to normal wear and tear only and excluding replacement of any spare part and repairing of motors, pumps, blowers etc., these will be on chargeable basis. 				
1.1	28000 CFM - Double Stage Air Washer at B3 (Left side) : 01 Unit	04	Jobs/year		
1.2	28000 CFM - Double Stage Air Washer at B3 (Right side) : 01 Unit	04	Jobs/year		
1.3	28000 CFM - Double Stage Air Washer at B4 (Left side) : 01 Unit	04	Jobs/year		
1.4	28000 CFM - Double Stage Air Washer at B4 (Right side) : 01 Unit	04	Jobs/year		
1.5	4000 CFM - Single Stage Air Washer at B3 (Mess Area) : 01 Unit	04	Jobs/year		
1.6	4000 CFM - Single Stage Air Washer at B4 (Mess Area) : 01 Unit	04	Jobs/year		
1.7	10000 CFM - Single Stage Air Washer at Mega Mess Left side : 01 Unit	04	Jobs/year		
1.8	10000 CFM - Single Stage Air Washer at Mega Mess Right side : 01 Unit	04	Jobs/year		
1.9	30000 CFM - Single Stage Air Washer at Mega Mess Left side : 01 Unit	04	Jobs/year		
1.10	30000 CFM - Single Stage Air Washer at Mega Mess Right side : 01 Unit	04	Jobs/year		
2	Copper rewinding of existing burnt unit under buyback of old copper incl. handling charges, as per standard practice. (Openwell Monoblock/Induction Motor & Pump)				
2.1	01/03 Ph, 50 Hz, 230/415 V, AC, upto 02 hp capacity.	6	each		
2.2	03 Ph, 50 Hz, 415 V, AC, 7.5 hp capacity.	2	each		
2.3	03 Ph, 50 Hz, 415 V, AC, 20 hp capacity.	4	each		

3	Replacement of parts like bush/bearing/oil seal etc. with new one of same size/rating under buyback of faulty one as per standard practice incl. handling charges. (Openwell Monoblock/Induction Motor & Pump)				
3.1	01/03 Ph, 50 Hz, 230/415 V, AC, upto 02 hp capacity.	6	each		
3.2	03 Ph, 50 Hz, 415 V, AC, 7.5 hp capacity.	2	each		
3.3	03 Ph, 50 Hz, 415 V, AC, 20 hp capacity.	4	each		
4	Replacement of 01/03 Ph, 230/415V, 50 Hz AC LT Contactor suitable for upto 02 hp Openwell Monoblock/Induction Motor & Pump i/c connections etc. as reqd on site.	10	each		
5	Replacement of 03 Ph, 415V, 50 Hz AC LT Contactor suitable for 7.5 hp Openwell Monoblock/Induction Motor & Pump i/c connections etc. as reqd on site.	4	each		
6	Replacement of 03 Ph, 415V, 50 Hz AC LT Contactor suitable for 20 hp Openwell Monoblock/Induction Motor & Pump i/c connections etc. as reqd on site.	10	each		
7	Replacement of 01/03 Ph, 230/415V, 50 Hz AC Relay suitable for upto 02 hp Openwell Monoblock/Induction Motor & Pump i/c connections etc. as reqd on site.	10	each		
8	Replacement of 03 Ph, 415V, 50 Hz AC Relay suitable for 7.5 hp Openwell Monoblock/Induction Motor & Pump i/c connections etc. as reqd on site.	4	each		
9	Replacement of 03 Ph, 415V, 50 Hz AC Relay suitable for 20 hp Openwell Monoblock/Induction Motor & Pump i/c connections etc. as reqd on site.	10	each		
10	Supplying & Fixing of Box type pre-filters of 50 mm thick having non-woven synthetic media and filtration efficiency 90% down 10 micron particles with aluminum frame work etc as required & complete in all respects as per directions of Engineer-In-Charge.	100	sqft		
	Total Amount excl. GST=A				
	Add GST @18% on A=B				
	Net Amount incl. GST in Rs. (A+B)=C				