

Government eProcurement System**Created By: Arun Kumar****Created Date/Time: 12-Apr-2022 11:12 AM****Tender Title: ACOM of E and M Installation at DVOR Stations Aligarh and Sikandrabad****Tender ID: 2022_AAI_106221_1****TENDER INVITING AUTHORITY: SENIOR MANAGER ENGG(E), AAI OPERATIONAL OFFICES, RHQ, NR, RANGPURI, NEW DELHI - 110037.****Name of Work: Annual Comprehensive Operation & Maintenance of E&M Installations at DVOR Stations Aligarh & Sikandrabad (U.P.) for two years (2022-24)****Tender ID No.: 2022_AAI_106221_1****SCHEDULE OF WORK / ITEM(S)**

Sl.No	Description of Work / Item(s)	No.of Qty	Units	SHIV ENTERPRISES (07ABFFS0744K1Z1)		U.K ENTERPRISES (07AEMPU7729J1ZO)	
				Rate	Amount	Rate	Amount
1.00	Operation of various makes DG Sets (30 KVA) i/c electrical controls for supply of power on power failure from main power supply source as & when reqd. i/c maintenance of Internal & External Electrical Installations, Submersible Pump, Fire Alarm System, E&M Installations, AMF Panel, Switch Rooms, MCB-DB, Wiring, Electrical Panels, Cabling etc. i/c all tools & tackles also attending fault/break-down & preventive maintenance as per conditions of contract complete as reqd. by engaging following minimum manpower at each site on all days i/c Sunday & Holiday in Three Shifts as per following schedule for each month. The Contractor has to depute the following minimum man power at each site in each shift of 08 Hrs.:- (i) Wireman cum Operator (skilled) - 01 No. (ii) Helper (unskilled) -01 No.						
1.01	Aligarh (U.P.)	24.00	MON	125000.00	3000000.00	96747.00	2321928.00
1.02	Sikandrabad (U.P.)	24.00	MON	100000.00	2400000.00	90000.00	2160000.00
2.00	Operation & Maintenance of Internal & External Electrical Installations, Submersible Pump, Entry Gate lighting, street lights, all E&M Installations, MCB-DB, Wiring, Cabling etc. i/c all tools & tackles also attending the fault/break-down & preventive maintenance as per conditions of contract complete as reqd. by engaging following minimum manpower in General shift of eight hours six days a week at Aligarh (U.P.) AAI Residential Colony cum AAI Office site. The Contractor shall have to depute following minimum manpower:-						
2.01	Wireman (skilled) - 01 No.	24.00	MON	24000.00	576000.00	22021.00	528504.00
2.02	Helper (Unskilled) - 01 No.	24.00	MON	18000.00	432000.00	16607.00	398568.00
3.00	Execution of works at DVOR Stations Aligarh & Sikandrabad in UP as per requirement of site from CPWD Schedule of Rates (Electrical DSR (E&M)-2018) as per CPWD specs complete as reqd. (Total amount of Rs.200000/- (exclusive of GST) is kept for DSR-2018 items for both DVORs). [(Note-Rate of DSR items shall be quoted against total amount of Rs.2,00,000/- excluding GST which shall be converted in percentage (above /below) & rate of DSR items shall be taken exclusive of GST (basic rate) on which payment shall be made considering percentage above /below rate quoted against Rs 2,00,000/-].	1.00	JOB	80000.00	80000.00	180000.00	180000.00

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				Rate	Amount	Rate	Amount
4.00	Supply of 20W, 230Volts, 50Hz ready to use Retrofit LED Tubelight for replacement of traditional Fluorescent Tubelight with polycarbonate tube, extruded aluminium heat sink for efficient heat dissipation along with integrated electronic driver, colour cool white light complete as per specification for LED light fixture in Special Condition of Contract in tender & as per AAI approved makes complete as required. (Make HAVELLS, MAXOLED (TUBE), Model no. LHLDDCXCML8Q020 or equivalent) at Sikandrabad & Aligarh DVOR sites as per site requirement.	40.00	EACH	250.00	10000.00	480.00	19200.00
5.00	Supply & Installation of LED street Light fitting having powder coated die cast aluminium housing of 30 watt, 230 Volt, 50 Hz colour cool white light with weather protection all accessories complete as per specification for LED fitting in special condition of contract in tender along with wiring connection and as per AAI approved make complete as required. (Make HAVELLS, SUPERB STREET LIGHT, Model no. LHEXAYP7PN6K030 or equivalent) at Sikandrabad & Aligarh DVOR sites as per site requirement.	20.00	EACH	2000.00	40000.00	2200.00	44000.00
6.00	Supply & Installation of LED Flood Light fitting having powder coated die cast aluminium housing of 30 watt, 230 Volt, 50 Hz colour cool white light with weather protection with all accessories complete as per specification for LED fitting in special condition of contract in tender along with wiring connection and as per AAI approved make complete as required. (Make HAVELLS, CENTURA NEO, Model no. LHEECNP7PB6J030 or equivalent) at Sikandrabad & Aligarh DVOR sites as per site requirement.	20.00	EACH	300.00	6000.00	2600.00	52000.00
7.00	Annual Comprehensive Maintenance of following capacity Air-conditioning unit comprising of compressor, condensing coil unit, cooling coil unit, repair/replacement of PCB card & other defective component i/c comprehensive repair & maintenance of voltage stabilizer & time delay units etc. complete as reqd. & as per scope of work at following :-						
7.01	1.5/2.0 TR Split type Airconditioning unit - Quantity 10 Nos. at Sikandrabad site.	24.00	MON	100.00	2400.00	2800.00	67200.00
7.02	1.5/2.0 TR Split type Airconditioning unit - Quantity 4 Nos. at Aligarh Site.	24.00	MON	100.00	2400.00	700.00	16800.00

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				Rate	Amount	Rate	Amount
8.00	Monthly Maintenance checks along with monthly site visit from OEM or its Authorized Dealers for 30KVA DG sets at DVOR Sikandrabad site by conducting periodical preventive maintenance checks imparting necessary guidelines for conducting routine maintenance in conformity to recommended service manual/ instructions of OEM by an authorised factory trained Service Engineer & attending breakdown calls as & when required at site for following :-						
8.01	For 30 KVA, Ashok Leyland make, 01 No. DG Set at Sikandrabad DVOR Site.	24.00	MON	800.00	19200.00	1600.00	38400.00
9.00	'B' Checks & Servicing from OEM or its Authorized Dealers for 30 KVA DG sets at DVOR Sikandrabad site i/c supply & installation of all required B-check spares at an interval not exceeing 06 months as well as inpating necessary guidelines for conducting routine maintenance in conformity to recommended service manual/ instruction of the OEM by an authorised factory trained Service Engineer etc. complete as required for the following:-						
9.01	For 30 KVA, Ashok Leyland make, 01 No. DG Set at Sikandrabad DVOR Site.	4.00	JOB	10000.00	40000.00	5000.00	20000.00
10.00	Supply of 12 volt, 180 AH sealed maintenance free (SMF) battery with 24 months warranty suitable for 30 KVA DG sets as & when required basis at two DVOR sites (i.e. Aligarh & Sikandrabad) i/c transportation etc. complete as per AAI approved makes list along with buyback of old dismantled battery which is to be handed over to the agency at Sikandrabad & Aligarh DVOR sites as per site requirement.	8.00	EACH	8000.00	64000.00	8500.00	68000.00
11.00	Rewinding of ceiling/exhaust fans of all size with super enemelled copper winding wire i/c varnishing, changing of bearing, bush, oiling & greasing, assembling testing, transportation charges etc. complete as & when reqd. at two DVOR sites (i.e. Aligarh & Sikandrabad) in UP.	20.00	EACH	500.00	10000.00	450.00	9000.00
12.00	Rewinding of following capacity submersible pump motors (i/c single & three phase) etc. as & when reqd basis along with super enemelled copper winding wire, varnishing i/c greasing replacement of bearings /bush along with lifting & lowering the pump with all tools & tackle/ machinery etc. i/c transporatation charges complete as required.						
12.01	5 HP, Three Phase Submersible Pump at Aligarh Office Site	1.00	EACH	5000.00	5000.00	10000.00	10000.00
12.02	1 HP, Single Phase Submersible Pump at DVOR Aligarh	1.00	EACH	1000.00	1000.00	5000.00	5000.00
12.03	3 HP, Single Phase Submersible Pump at DVOR Sikandrabad	1.00	EACH	3000.00	3000.00	9000.00	9000.00

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				Rate	Amount	Rate	Amount
13.00	Fuel cost for running of 30 KVA (Cummins /Ashok leyland/any other make) DG sets on per hour basis installed at DVOR site during the contract period (contractor has to quote their running cost of fuel/hour i/c handling, transportation & stock of fuel at site) as per terms & conditions of contract at following site:-						
13.01	Aligarh (U.P.)	6000.00	HOURS	230.00	1380000.00	250.00	1500000.00
13.02	Sikandrabad (U.P.)	6000.00	HOURS	250.00	1500000.00	250.00	1500000.00
	(Justified Cost - Rs.13064940/-)	13064940.00			9571000		8947600.00
					-26.74%		-31.51%
LOWEST AMOUNT QUOTED BY: M/s U.K ENTERPRISES (8947600.00)							

Signature Not Verified

Digitally signed by ARUN KUMAR
Date: 2022.04.12 11:54:09 IST
Location: eProcurement System for Central PSUs