JHARKHAND RENEWABLE ENERGY DEVELOPMENT AGENCY (JREDA)
3rd Floor, SLDC Building, Kusai, Doranda, Ranchi- 834002.
Ph.No: 2491161,Fax No: 0651-2491165
www.jreda.com, E-mail: info@jreda.com

Very Short Notice Inviting e-quotation

Notice No.Energy/JREDA/Ranchi/19/20-21

Government of Jharkhand through its Jharkhand Renewable Energy Development Agency (JREDA) is engaged in framing/revision of Schedule of Rates and as part of this endeavor, quotations through e-tender are invited for rate of items/materials annexed as Annexure-1 for Renewable Energy Projects from Manufacturer/ authorized dealers/ Suppliers and other stakeholders authorized for respective items having valid GSTIN of materials. The rates conforming to specifications for inclusion in the Schedule of Rates for Government of Jharkhand to be used in different Renewable Energy Projects under JREDA shall be submitted online in the website Http://Jharkhandtenders.gov.in. Details of material and its Specifications are available on the above e-tender portal. The quotationer may download the documents from the website and quote their rate of materials online from 09.01.2021 at 10:00 A.M. to 15.01.2021 up to 05:00 P.M. The quotation will be opened on 16.01.2021 at 3.00 P.M.

The quotation is invited to ascertain and assess the Rate of Materials at par with lowest market rate for framing of Schedule of Rate.

Terms and Condition

1. The quotationer Shall Submit basic rate of material which will be inclusive of Royalty and other taxes but exclusive of GST.
2. The make and Specifications of various materials shall be governed by the relevant Indian Standard (IS) Codes and Specifications as issued by Central Public Works Department (CPWD)/ Concerned Department of Government of India.
3. Quotationer may quote rate for all the materials/ Part of the material for which they are concerned.
4. Manufacturers/ Producers or their authorized dealers shall quote their rate for material which is actually manufactured/produced/procured by them and the rate quoted for other materials shall not be acceptable.
5. The quotationer shall quote latest and authentic rate which shall reflect market rate.
6. The quotationer should have necessary Portal enrolment with their own digital signature Certificate. Quotationers without necessary portal enrolment with their digital signature may quote their rate by uploading in the website, however they

have to submit hard copy of the same duly signed along with necessary documents in the concerned division.

7. The rate quoted by quotationer shall be firm and final.
8. The quotationer shall furnish GST registration no.
9. The undersigned reserves the right to accept or reject/ cancel any or all quotations without assigning any reason thereof.

10. For any query or clarification you may Contact Electrical Executive Engineer

Shri Ravi Shankar
+91-9570086777

Shri Mukesh Prasad
+91-7004806449

Address for Communication :-

JHARKHAND RENEWABLE ENERGY DEVELOPMENT AGENCY (JREDA)
3rd Floor, SLDC Building, Kusai, Doranda, Ranchi- 834002.
Ph.No: 2491161,Fax No: 0651-2491165
www.jreda.com, E-mail: info@jreda.com

Sd/-
Project Director,
JREDA, Ranchi

Annexure-1

Notice No.Energy/JREDA/Ranchi/19/20-21

The interested party i.e the quotationer shall quote price in the following format:

BASIC RATE OF MATERIALS FOR …….

Sl no	Name of Items	Specifications	Unit	Rate including Royalty and other taxes but excluding GST (in Rs.)	
				(in Figures)	(in Words)
1	2	3	4	5	6

Sl No	Material Code	Item Code	Scheme	Name of Material / Equipment	Technical Specification/IS	Unit
1	M1682	SPM-01	Solar Photo Voltaic Program	Solar Photo Voltaic (SPV) modules IEC 61215, IEC 61730 Part I and Part II, IEC 61701 certified		Wp
2	M1683	SPM-02	Solar Photo Voltaic Program	Battery (VRLA) -Efficiency shall be >98% ,2V /Design for C10 rate		Ah
3	M1684	SPM-03	Solar Photo Voltaic Program	Battery (TGel) -Efficiency shall be >98% 2V /Design for C10 rate		Ah
4	M1685	SPM-04	Solar Photo Voltaic Program	Battery (LiFePo4) - The operating range will be 0ºC to +55/60°C. - AH Efficiency: >95% and WH Efficiency: >85% & 2V /Design for C10 rate		Ah
5	M1686	SPM-05	Solar Photo Voltaic Program	Battery Structure (Iron)		Kg
6	M1687	SPM-06	Solar Photo Voltaic Program	DC Cables (1C) 1X 4 sq mm (operating temp -50 deg C to 120 deg C, as per IEC 60332,IEC 61034& IEC60228 class 5 ,Max permitted DC voltage 1800 V		Mtr
7	M1688	SPM-07	Grid Connected Rooftop Scheme, Solar Street Light System Program, Standalone program Solar pump program,Solar Mini Micro Grid	Cable tray (GI coated)(Size 75mm)		kg
8	M1689	SPM-08	Grid Connected Rooftop Scheme, Solar Street Light System Program, Standalone program, Solar pump program, Solar Mini / Micro Grid	Earthing Conductor -Cu Type (1C X 16 sq mm flexible cu wire)		mtr
9	M1690	SPM-09	Grid Connected Rooftop Scheme, Solar Street Light System Program, Standalone program Solar pump program, Solar Mini / Micro Grid	Earthing Conductor -GI Type (25mmX3mm Earthing strip)		kg
10	M1691	SPM-10	Grid Connected Rooftop Scheme, Solar Street Light System Program, Standalone program Solar pump program, Solar Mini / Micro Grid	Lightning Protection-Franklin Type (Nominal voltage 415V +-10 %,50 Hz ,Fault level 50 KA for 1 second)		Nos
11	M1692	SPM-11	Grid Connected Rooftop Scheme, Standalone program Solar pump program, Solar Mini / Micro Grid	Remote Monitoing Unit (GPRS 3G /4G enabled) & RS232 referenced to ground (non-isolated).		Nos
12	M1693	SPM-12	Solar Street Light System Program, Lantern program, Standalone program, solar pump program,	Charge Controller MPPT (MPPT/PWM)		V
13	M1694	SPM-13	Grid Connected Rooftop Scheme Solar Mini/Micro Grid Program Solar Water Pump Program	Surge Protection Device (TYPE 1) 10/350 microsec current wave (for high voltage)		V
14	M1695	SPM-14	Grid Connected Rooftop Scheme Solar Mini/Micro Grid Program Solar Water Pump Program	Surge Protection Device (TYPE 2) 8/20 micro second current wave (for low voltage)		V
15	M1696	SPM-15	Grid Connected Rooftop Scheme ,Solar Mini/Micro Grid Program	DC Distribution Board (DCDB)-63 Amp		Nos
16	M1697	SPM-16	Grid Connected Rooftop Scheme ,Solar Mini/Micro Grid Program	DC Distribution Board (DCDB)-100 Amp		Nos
17	M1698	SPM-17	Grid Connected Rooftop Scheme ,Solar Mini/Micro Grid Program	DC Distribution Board (DCDB)-150 Amp		Nos
18	M1699	SPM-18	Grid Connected Rooftop Scheme ,Solar Mini/Micro Grid Program	DC Distribution Board (DCDB)-200 Amp		Nos
19	M1700	SPM-19	Grid Connected Rooftop Scheme ,Solar Mini/Micro Grid Program	AC Distribution Board (ACDB)-63 Amp		Nos
20	M1701	SPM-20	Grid Connected Rooftop Scheme ,Solar Mini/Micro Grid Program	AC Distribution Board (ACDB)-100Amp		Nos

21	M1702	SPM-21	Grid Connected Rooftop Scheme ,Solar Mini/Micro Grid Program	AC Distribution Board (ACDB)-150 Amp		Nos
22	M1703	SPM-22	Grid Connected Rooftop Scheme ,Solar Mini/Micro Grid Program	AC Distribution Board (ACDB)-200 Amp		Nos
23	M1704	SPM-23	Grid Connected Rooftop Scheme ,Solar Mini/Micro Grid Program	AC Distribution Board (ACDB)-250 Amp		Nos
24	M1705	GCRT-01	Grid Connected Rooftop Scheme	Grid–Tied String/Central Inverter for SPV Power Plant Capacity (kWp) 1 to 5 kWp		VA
25	M1706	GCRT-02	Grid Connected Rooftop Scheme	Grid–Tied String/Central Inverter for SPV Power Plant Capacity (kWp) 6 to 10 kWp		VA
26	M1707	GCRT-03	Grid Connected Rooftop Scheme	Grid–Tied String/Central Inverter for SPV Power Plant Capacity (kWp) 11 to 100 kWp		VA
27	M1708	GCRT-04	Grid Connected Rooftop Scheme	Grid–Tied String/Central Inverter for SPV Power Plant Capacity (kWp) Above 100 KWp		VA
28	M1709	GCRT-05	Grid Connected Rooftop Scheme	Power Conditioning Unit/ Inverter for SPV Power Plant Capacity (kWp) 1 to 5 kWp		VA
29	M1710	GCRT-06	Grid Connected Rooftop Scheme	Power Conditioning Unit/ Inverter for SPV Power Plant Capacity (kWp) 6 to 10 kWp		VA
30	M1711	GCRT-07	Grid Connected Rooftop Scheme	Power Conditioning Unit/ Inverter for SPV Power Plant Capacity (kWp) 11 to 100 kWp		VA
31	M1712	GCRT-08	Grid Connected Rooftop Scheme	Power Conditioning Unit/ Inverter for SPV Power Plant Capacity (kWp) Category Above 100 kWp		VA
32	M1713	GCRT-09	Grid Connected Rooftop Scheme	Single Phase Two Wire Bi-Directional Meter (230V, 50Hz),Accuracy 0.1to 0.5,PF -1 to1		Nos
33	M1714	GCRT-10	Grid Connected Rooftop Scheme	Three Phase Four Wire. CT operated Bi-Directional Meter.(230V, 50Hz),Accuracy 0.1to 0.5, PF -1 to1		Nos
34	M1715	GCRT-11	Grid Connected Rooftop Scheme	Three Phase Four Wire HT Bi-Directional Meter Accuracy 0.1to 0.5,PF -1 to1		Nos
35	M1716	GCRT-12	Grid Connected Rooftop Scheme	Danger Boards and Signage(as specified in IEC 62548) size-162mmX200mm		Nos
36	M1717	GCRT-13	Grid Connected Rooftop Scheme	Sensor(Temperature(4-50 deg C)& Irradiance(Pyranometer response time <15 s, zero offset: offset A response to 200 W/sq mm with calibration certificate		W/sq.m or deg C
37	M1718	SSL-01	Solar Street Light Program/Standalone Program	7 watt W-LED Bulb(Colour temp range 5500 kelvin - 6500 Kelvin,light o/p should be constant through duty cycle		watt
38	M1719	SSL-02	Solar Street Light Program	12 Watt W-Led Bulb (The colour temperature of white LED used in the system should be in the range of 5500oK–6500oK.LED Chip should be compliance to IES: LM-80 (Approved Method for Measuring Lumen Maintenance of LED Light Sources and LED lumen depreciation time to L70).		watt
39	M1720	SSL-03	Solar Street Light Program	Pole Galvanized Iron (GI) pipe and should be minimum 3.2 mm thick and should have minimum outer diameter of 76 mm total height of pole 5.75 meter.		Nos.
40	M1721	SSLS-01	Solar Standalone Program	D.C. Pedestal Fan(iron) for different capacity		Watt
41	M1722	SSLS-02	Solar Standalone Program	Juction Box (appropriate capacity)IP-20(Minimum) for indoor. IP-67(Minimum) for outdoor		Set
42	M1723	SL-01	Solar Lantern Program/Solar Standalone	2 watt Light Source /W LED (5500oK–6500oK.LED Chip should be compliance to IES: LM-80 (ApprovedMethod for Measuring Lumen Maintenance of LED LightSources and LED lumen depreciation time to L70).		Watt
43	M1724	SHWS-01	Solar Hot Water Program	FLAT PLATE COLLECTOR(single temered glass with 3mm thickness & emissivity/ absorptivity -0.85 Ref index 1.5)		LPD
44	M1725	SHWS-02	Solar Hot Water Program	Evacuated Tube Collector(Three layers solar selective coated with outer dia 50mm & 1800mm long)		LPD
45	M1726	SHWS-03	Solar Hot Water Program	STORAGE TANK (HOT WATER) Material SS 304 or 316 grade thickness 20 /18/14 gauge		liter
46	M1727	SHWS-04	Solar Hot Water Program	COLD WATER TANK of HDPE/LDPE material with Gun metal float valve (ISI marked)		liter
47	M1728	SHWS-05	Solar Hot Water Program	PVC PIPE(with sustain temperature 250 deg C,Min 50mm thick wool or 25 mm thick PUF on GI pipe		Mtr
48	M1729	SHWS-06	Solar Hot Water Program	MAKE UP TANK (Upto 5 ltr 500LPD)		liter
49	M1730	SHWS-07	Solar Hot Water Program	STANDS & PEDESTALS FOR THE TANKS (35x35x4mm up to 500 liters)		Nos
50	M1731	SHWS-08	Solar Hot Water Program	HEAT EXCHANGER (SHELL/ COIL) Cu/SS tube of ¾" dia.		Nos

51	M1732	SHWS-09	Solar Hot Water Program	Electrical Backup(100 to 200LPD -2KWp		VA
52	M1733	SHMS-01	Solar High Mast Program	Light Source White Light Emitting Diode (W-LED) 4X40 Watt(LED +Driver)		Sets
53	M1734	SHMS-02	Solar High Mast Program	9 mtr. hot deep Galvanized Iron Octagonal pole in single length. Galvanized to min 80 microns, material of pole as per specification of BS EN 100025, ISO 1461, size min 150 mm (A/F) at Top side, 410 mm (A/F) at bottom side with thickness of 3 mm minimum. Diameter of base plate (mm) = 580mm; Thickness of base plate (mm) = 20mm.		Nos
54	M1735	SHMS-03	Solar High Mast Program	Sensor for Solar Mast Light (proximity sensors)		VA
55	M1736	SSCS-01	Solar Cold Storage Program	1.0 MT Capacity (Internal Space -150 CFT) Cold room.		MT
56	M1737	SSCS-02	Solar Cold Storage Program	VFD Drive(230V,1/3 phase)		V
57	M1738	SSCS-03	Solar Cold Storage Program	Condensing unit (for -5deg C & 40 deg C condensing temperatures)		Watt
58	M1739	SSCS-04	Solar Cold Storage Program	Evaporator unit(Minimum 2 Nos. of Fans and minimum air through of 750CFM each)		temp
59	M1740	SSCS-05	Solar Cold Storage Program	Cold Room for cold storage (Internal capacity 750 CFT,Temp range 4 degC to 10 deg C)		Nos.
60	M1741	SSCS-06	Solar Cold Storage Program	Refrigerant(R134a/R410a/R407f/R407c / or Equivalent)		RT
61	M1742	SHLS-01	Solar Home Lighting Program	2.5 watt W-LED Bulb 5500oK–6500oK.LED Chip should be compliance to IES: LM-80 (Approved Method for Measuring Lumen Maintenance of LED Light Sources and LED lumen depreciation time to L70).		Watt
62	M1743	SPP-01	Solar Power Pack Program	3 watt W-LED Bulb 5500oK–6500oK.LED Chip should be compliance to IES: LM-80 (Approved Method for Measuring Lumen Maintenance of LED Light Sources and LED lumen depreciation time to L70).		Watt
63	M1744	SWPS-01	Solar Water Pump Program	Solar water pump single axis structure with Tracking system(structure should be hot dip galvanised according to IS 4759& It should have seasonal tilt angle adjustment & three times manual tracking in a day		kg
64	M1745	SWPS-02	Solar Water Pump Program	Solar water pump program MMS with double axisTracking system(structure should be hot dip galvanised according to IS 4759& It should have seasonal tilt angle adjustment & three times manual tracking in a day		kg
65	M1746	SWPS-03	Solar Water Pump Program	**1 HP** Motor Pump Sets AC (The pump and all external parts of motor used in submersible pump which are in contact with water, should be of stainless steel of grade 304 or higher as required. It should have a 5 years warranty)		HP
66	M1747	SWPS-04	Solar Water Pump Program	**2 HP** Motor Pump Sets AC (The pump and all external parts of motor used in submersible pump which are in contact with water, should be of stainless steel of grade 304 or higher as required. It should have a 5 years warranty)		HP
67	M1748	SWPS-05	Solar Water Pump Program	**3** HP Motor Pump Sets AC (The pump and all external parts of motor used in submersible pump which are in contact with water, should be of stainless steel of grade 304 or higher as required. It should have a 5 years warranty)		HP
68	M1749	SWPS-06	Solar Water Pump Program	**5 HP** Motor Pump Sets AC (The pump and all external parts of motor used in submersible pump which are in contact with water, should be of stainless steel of grade 304 or higher as required. It should have a 5 years warranty)		HP
69	M1750	SWPS-07	Solar Water Pump Program	**7.5 HP** Motor Pump Sets AC (The pump and all external parts of motor used in submersible pump which are in contact with water, should be of stainless steel of grade 304 or higher as required.It should have a 5 years warranty)		HP
70	M1751	SWPS-08	Solar Water Pump Program	**10 HP** Motor Pump Sets AC (The pump and all external parts of motor used in submersible pump which are in contact with water, should be of stainless steel of grade 304 or higher as required. It should have a 5 years warranty)		HP
71	M1752	SWPS-09	Solar Water Pump Program	**1 HP** Motor Pump Sets DC(The pump and all external parts of motor used in submersible pump which are in contact with water, should be of stainless steel of grade 304 or higher as required. It should have a 5 years warranty		HP
72	M1753	SWPS-10	Solar Water Pump Program	**2 HP** Motor Pump Sets DC(The pump and all external parts of motor used in submersible pump which are in contact with water, should be of stainless steel of grade 304 or higher as required. It should have a 5 years warranty		HP

73	M1754	SWPS-11	Solar Water Pump Program	**3 HP** Motor Pump Sets DC(The pump and all external parts of motor used in submersible pump which are in contact with water, should be of stainless steel of grade 304 or higher as required. It should have a 5 years warranty		HP
74	M1755	SWPS-12	Solar Water Pump Program	**5 HP** Motor Pump Sets DC(The pump and all external parts of motor used in submersible pump which are in contact with water, should be of stainless steel of grade 304 or higher as required. It should have a 5 years warranty		HP
75	M1756	SWPS-13	Solar Water Pump Program	**7.5 HP** Motor Pump Sets DC(The pump and all external parts of motor used in submersible pump which are in contact with water, should be of stainless steel of grade 304 or higher as required. It should have a 5 years warranty		HP
76	M1757	SWPS-14	Solar Water Pump Program	**10 HP** Motor Pump Sets DC(The pump and all external parts of motor used in submersible pump which are in contact with water, should be of stainless steel of grade 304 or higher as required. It should have a 5 years warranty		HP
77	M1758	SWPS-15	Solar Water Pump Program	Pump Controller (Integrated with GSM/GPRS as per IEC 61683 from TUV Rheinland/ IEC60529, protection level IP65/IP54		VA
78	M1759	SWPS-16	Solar Water Pump Program	HDPE pipe used as Discharge pipe (OD 25 mm,40mm,90 mm) as per IS4984 &minimum pressure rating of 16 kg/sqcm-PE100 grade		kg
79	M1760	SMG-03	Solar Mini/Micro Grid Program	Danger Boards and Signage (As specified in IEC 62548) size-142mmX190mm		Nos