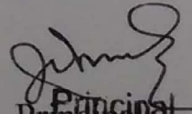


**Supply, installation and commissioning of  
2kW offgrid solar plant**

Sl. No.	Item specification
1.	2000W Polycrystalline panel 8 panels with rating of 250Wp. MNRE approved panels with 25 years warranty. 80% efficiency, Anti-reflecting coating, strong aluminium frame.
2.	Solar PCU (Inverter) – 2kW rating 5 years of warranty, Pure sine wave output, efficiency >95%, Digital display including input, output and generation
3.	Solar batteries (150Ah X 12V) - 6Nos. 3 Year warranty.
4.	Mechanical mounting structure with GI Channel 25 +years life, corrosion resistant, designed for 150 KMPH wind, water proofing, fixed tilt angle based.
5	Installation & commissioning. Cables – Copper cables, with UV –protected and sunlight & rain protected.
	All items should be MNRE approved, Include all necessary fixing accessories and effective connection. Price should include GST.

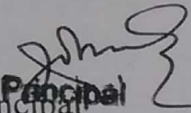


  
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**Supply, and installation of lightning protection system**

Sl. No.	Item specification
1.	1 set of Lightning air terminal – configured as spheroid which is comprised of electrically isolated Cu panels surrounding an earthed central finial. With 110m radius. The insulation material used to electrically isolate the Cu panels must be base polymer which provides high ozone/UV resistant, with dielectric strength of 24-38 kv/mm tested as per IEC62305. The ESE terminal is tested and certified by CPRI. The terminal is tested and approved by DGMS.
2.	Supply of adapter head GI mast 6m , Guy wire set to fix the terminal with the down conductor to safely ground the lightning current. MAST: GI 50mm dia pipe – 6m long Stay wire roll : 30 m
3.	Supply of 2 m long Cu bonded rod of 3 Nos. with ground resistance improvement powder – 8 set Copper bonded rod :4 Nos. Maintenance free chemical gel: 6 Nos.
4.	Supply of 25X3 sq.mm. Copper bare of IS694 & ISO9001:2008 Co. – 50 meter long
5.	Supply of lightning arrestor test link joint of weather proof enclosure box
6.	Installation of the above with proper earthing.
	All fixing accessories and necessary connections should be included.
	Price with GST may be quoted



  
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