

MIA1006597

**Technical Specifications for Solar Inverter System at BHEL Administrative Building
First Floor**

S.No.	Scope of work for off grid Solar inverter system at BHEL	Make	QTY	Bidder Comments Yes/NO
1	Scope of work covers supply, installation and commissioning of off grid solar inverter system (with battery back up) at BHEL Administrative building first floor. Scope covers supply of all items required for the above except Solar PV modules, which will be supplied by BHEL. Scope also covers installation of panels on module mounting structures including civil work if necessary. Internal wiring at load side will be of BHEL scope.			
2	BHEL scope : BHEL will provide BHEL make Solar PV module BHEL Module Type L20220, Peak Power : 240 Wp, O.C. Voltage - 36V, Short Circuit Current - 8.5A.	BHEL supply		
	Vendor scope :			
3	Supply of Solar Power Conditioning Unit : 2KW - Solar PCU 2KVA/48V DC (1P - 1P) ; 48 VDC. - 1 No.	Sukam/APC/Luminous	1 No	
4	Erecting the modules are under the scope of the bidder.			
5	Supply of 12V, 150AH Tall Tubular (TT) Batteries - Upto 3 Hrs Back up	Amaraja/Exide/HBL	4 Nos	
6	Supply of Module mounting structure including Fabrication and Galvanising.		As per the requirement	
7	Supply of required Cables and laying them as per IS standards.		As per the requirement	
8	Supply of Junction Box		1 Set	
9	Supply of Battery Rack & other Accessories.			
10	installation and commissioning including Civil works if necessary.			

[Signature]
24/02/15

[Signature]
24/2/15
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