

Tender No: TPCODL/P&S/1000001301/2024-25					
Rate Contract for Electrification of the un-electrified households (UEHHS) identified under PM-JANMAN scheme in Off-grid mode by solar standalone system					
Replies to Pre-Bid Query					
Sr No	Page No	Clause No	RFP Clause	Query/ Clarification Sought	TPCODL Response
1	70	SOLAR PANEL	Supply of Solar PV Panels 200 Wp 48 Volt as per technical	Minimum 60V Or 72V Required For Charging 48V Battery Otherwise It Will Be Technically Failure Solar Panel Voltage Always Greater Than Battery Voltage At Least 1.25% 1.50% Of Battery Voltage	Solar Panel voltage should be 48 Volt DC. DC controller is to be designed accordingly for charging of battery.
2	68	BATTERY	REGARDING BATTERY 48 V, 42 A-hr, (Appr. 2000 watt-hour) with Sealed maintenance free VRLA battery with 50% DoD.	VRLA Battery Has Warranty 6Month -1Year & Not Suitable For Solar Application & Also Case Study Previous Projects. Before Tenders Also Mention Lithium Lifepo4 Battery 48V 1000Watt Hour.Kindly Add Lithium Battery Also Very Difficult To Give Warranty On Vrla Battery.Page No 69 Some Word Mention Lithium	04 nos VRLA battery is to be used each for 12Volt, 42AH .
3	74	LED TUBE LIGHT	REMOTE CONTROL OF LED TUBE LIGHT	Before Projects We Face Several Challenges On Remote. Beneficiary Not Change Remote Battery On Proper Interval Of Time & Request For Service.Remote Control Model Once Remote Battery Finished Beneficiary Light Not On 7 He Raise Complain.If Remote Damage Then Lights Also Failure Not On Possible.These Are Our Previous Case Studies.	Remote control for LED tube light not mandatory.
4	71	DC CEILING FAN	DC CEILING FAN & REMOTE CONTROL	Several Projects Before We Do.All Sites Are Mud House Height 5Feet 6Feet Maximum.Ceiling Fan Is Not Possible For Hanging.Stand Fan & Table Fan Possible.Remote Has Same Problem Like Once Their Remote Battery Drain Fan Stopped & Beneficiary Raise Complain.Remove Remote Control Also.	Ceiling fan with remote control is to be provided.
5	70	COMMUNICATION	Bluetooth Low Energy Ver 4.0 or higher supporting SPP for communication with a handheld terminal (phone or tablet) for prepaid metering support and data logging including real time monitoring of solar/ grid/ battery power in / out. RS485 interface for grid to DC power module	It Is Impossible.All Sites Are Remote Areas & No Electricty & No Towers.This Is A Complete Dc System Ac Part/Internet Adding Is Difficult.	Data logging facility should be available. AC input is optional. Physical communication is required, if network is not available in that area.
6	85	List of Beneficiaries		Please confirm the capacity limits for each location? Specifically, are the capacities uniform across all sites, or do some have maximum or minimum variations	Detail survey is to be done, before staring of work along with GPS photographs to get the exact number of beneficiaries.
7	14	Delivery Timelines	Business Associate shall ensure completion of the electrification works including Supply and Installation within 90 days from the issue of Release Order.	The timeline of 90 days is for each of the 145 locations or is it the total time period for electrification of 145 locations	Timeline is for completion of total project.
8				Can the work be outsourced or needs be done through an inhouse team only?	Joint Ventures (JV) are not allowed and no sub-contracting is also allowed with regard to supply, installation, commissioning, and warranty maintenance and after sales service. This is the sole responsibility of Bidder.
9				What is the roofing structure at each location? Specifically, we need to know if the roofs are made of tin sheds or RCC structures.	Please refer structural drawing in tender document.
10				Since these sites are in remote locations, who would be responsible for the security of the sites? While Insurance is in the vendor's scope it also necessary to provide security for such remote locations hence under whose scope would the security remain.	As per Tender Document
11				There is no mention of whether the modules would be DCR/Non-DCR, Poly or Monocrystalline modules	DCR / Non- DCR both are accepted. Solar cell type should be polycrystalline.