INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
Powai, Mumbai 400076.

Ref. PR No. 1000058356 **RFX 6100003217 / RFQ 3000015516**

Item Description: Solar mini-grid and associated accessories

Sr. No	Item Description	Detailed Technical Specification	Technical Compliance (Yes / No)	Additional Information (if any)
1.	Solar Mini-Grid	**SINGLE PHASE SYSTEM** • PV Module Non-DCR (600Wp Mono Perc) - 17 Nos • Hybrid Inverter (8kW-1PH) – 1Nos • LFP Battery (48VDC,105AH) – 5 Set • Solar DC cable (4Sq.mm Copper cable) - 120 Mtr • AC Cable (4C-10Sq.mm Al Armored XLPE cable) – 100 Mtr • DCDB (20A MCB Type 2 SPD 1 in 1 out) – 1 No • ACDB (3 IN 1 Out MCCB/Contactors) – 1 No • Structure (Al Rail) – 10 kWp • Walkway (FRP/GI) – 30 Mtr • Earthing set (17.2mm Dia 3Mtr length copper rod) – 3 No • Earthing Cable (1C-6Sq.mm CU Green cable) – 15 Mtr • MC4 Connectors - 4 Pair • Conduit (20mm Dia HDPE Pipe) – 120 Mtr • Hardware (As per requirement) – 10 kWp • EMS controller - 1 No **THREE PHASE SYSTEM** • PV Module Non DCR (600Wp Mono Perc) – 26 Nos • Hybrid Inverter (20kW-3PH) – 1 No • LFP Battery (256VDC,210AH) – 1 Set		

		• Solar DC cable (4Sq.mm Copper cable) – 180 Mtr • AC Cable (4C-10Sq.mm Al Armored XLPE cable) – 100 Mtr • DCDB (20A MCB Type 2 SPD 2 in 2 out) – 1 No • ACDB (2 IN 1 Out MCCB/Contactors) – 1 No • Structure (Al Rail) – 15 kWp • Walkway (FRP/GI) – 50 Mtr • Earthing set (17.2mm Dia 3Mtr length copper rod) – 3 No • Earthing Cable (1C-6Sq.mm CU Green cable) – 25 Mtr • MC4 Connectors - 8 Pair • Conduit (20mm Dia UPVC/PVC Pipe) – 180 Mtr • Hardware (As per requirement) – 15 kWp • EMS Controller – 1 No **Warranty of the Solar Mini-Grid System is 1 Year**		
2.	Payment Terms and condition	Payment shall be released on a milestone basis, subject to satisfactory performance duly certified by the Indentor/End User.		