

40 KVA UPS specification (QTY 2 Nos)		Annexure-1
	Description	Specification
1	Capacity	40 KVA
2	Classification	On- Line double conversion, with UPS Parallel Redundancy feature.
3	TECHNOLOGY	IGBT-PWM without inbuilt Isolation Transformer
4	Back up	30 minutes on full load
5	Operating Input voltage	380 between 450 Vac, 3 Ph + N+E
6	Operating frequency	Between 45 to 70 Hz
7	In put Power factor	0.9 or Better
8	OutPut voltage	400 between 415 Vac, 3 Ph + N+PE
9	Operating frequency	50Hz ± 10%
10	Power factor	0.9 or Better
11	Waveform	Sinusoidal
12	Voltage regulation	+_ 1% (Balanced load)
13	Efficiency	> 90% minimum
14	Over Load	< 115% for 10 min,
		< 135% for 60 Sec
15	Voltage Harmonic Distortion	≤ 3% (linear load)
		≤ 4% (non-linear load)
16	Bypass	Automatic bypass and manual maintenance bypass
17	Type of Battery	SMF-VRLA type battery with 3 year warranty (Make and number of battery to be specified in the offer)
18	Battery Backup	30 minutes backup on full load
19	Battery Storage	With Rack
20	Battery warranty	3 Years
21	Input /output	Suitable gage Cabling for input , output and battery connectivity (15 meters for each) to be supplied along with each UPS
22	Paralleling kit for synchronising	Supplier should install and configure the UPS with parallel load balancing mode
23	Product Safety Certifications	EN 62040-1,EN 62040-2,EN 62040-3 ,RoHS Compliance,ISO 9001, ISO 45001, ISO 50001 certified,Product QC certificate.Copies of the above certifications should be submitted with the technical Bid (compulsory).
24	Digital Metering	LCD display for measurement of AC input and output Voltage, Battery voltage, Battery Current, Load Current, Output frequency.
25	Warranty	5 Year for UPS

26	UPS Parallel Redundancy and Expansion	Up to 2 units
27	Operating Temperature	15 ~ 40°C
28	Audible Noise (at one meter)	< 60 dB
29	Indications & Audible Alarms	Mains On, Inverter On, Overload, Load On Mains, Load On Battery, Battery Low
30	IP Protection	IP20 (Standard)
31	Eligibility Criteria	Supplier should do a demonstration through online, UPS with same make & model for technical evaluation purpose, if LPSC warrants. Suppliers failing to demonstrate the sample UPS shall not be considered for technical evaluation.
		Bidder & OEM should not have previous history of blacklisting or any incidence of debarment in any Govt./PSU
32	DOWN-TIME COMPENSATION	Break-down calls have to be attended within 24 hrs of our intimation and system to be made operational within 48Hrs. LPSC reserves the right to charge penalty, in case the break-down are not attended on time. Down-time compensation at the rate 0.2% of the equipment value per day basis recovered from PBG.
33	Scope Of the supplier	Supply and Installation of UPS and battery at Onsite (LPSC Valiamala). Including configuration of UPS parallel load balancing configuration.
34	ePBG	ePBG @ 3% of total order value, for a period of 38 Months
35	MII Content %	50% or Higher
36	Location of Value Addition MII	Location of Value Addition of MII % to be mentioned in the bid
37	Delivery period	Delivery period 60 Days from the date of PO release
38	Documentary evidence to be attached with technical Bid	(1) UPS DATA SHEET (2) Battery DATA Sheet (3) Manufactures Authorization Form (4) MII Certificate (5) Product Safety Certificates (6) Dully filled techno-commercial compliance sheet
Supplier should furnish the compliance sheet and attach in technical bid along with technical data sheet. Incomplete offers will not be considered for technical evaluation		