

## Annexure-1

### L BAND SSPA (FOR GROUND USE)

SL.No	PARAMETERS	URSC SPECIFICATIONS
1	FREQ BAND	1 – 2.5 GHz
2	POWER OUTPUT (WATTS)	500 W, CW (min) At Amplifier Output Flange
3	NOMINAL GAIN AT RATED POWER (dB)	57 dB Minimum
4	GAIN VARIATION AT RATED POWER (dB) OVER THE FULL BAND	+/- (Plus or minus) 1.5 dB typical,
5	GAIN STABILITY	+/- (Plus or Minus) 0.25 dB (Typical) at Constant drive and Temperature over a minimum duration of 10 hours
6	O/P POWER ADJUSTABILITY	20 dB(Minimum)
7	INPUT IMPEDANCE	50 ohms
8	HARMONICS	-50 dBc or below
9	Load VSWR	1.5:1 Typical
10	SPURIOUS (NON-HARMONIC)	-50 dBc or below
11	CONTROL	Local And Remote Through GPIB / LAN Interface
12	COOLING	Forced Air Cooling (Built In)
13	DISPLAY	Standard Protection Features And LCD Display for parameters to be provided on front panel
14	AC MAINS POWER	230V +/- (Plus or Minus) 10%, Single phase, 50 Hertz OR 440V +/- (Plus or Minus) 10%, Three phase, 50 Hertz <b>Note : KVA Rating To Be Provided by Vendor</b>
15	RF INTERFACE	
	a) I/P	Type-N (f)
	b) O/P	Type-N (f)
	c) RF SAMPLE INTERFACE	Type-N (f)
16	ENVIRONMENTAL SPECIFICATIONS:	
	a) TEMP. RANGE (OPERATING)	10 TO 40 Deg C
	b) HUMIDITY OPERATING AND STORAGE	95 % RH Without Condensation
17	EMI/EMC & SAFETY	Should Meet Standard EN61010 Or 60215 or equivalent
18		A) Test Results AT 25 Deg C For Parameters as data package to be delivered

	DELIVERABLE PARTS WITH EACH AMPLIFIER	B) AC power cord of length 8 meters to be provided. C) Operating And Instruction Manual D) Standard 19 Inch Rack with Suitable Wheels at the Bottom
19	SIZE	Suitable To 19 Inch Rack Dimensions
20	WEIGHT	To Be Provided
21	RACK MOUNTABLE	Rack Should Be Movable On Wheels With Mounting Slides And Front Handles
22	WARRANTY	1 year Standard Warranty and party to quote for extended Warranty for additional 2 years
23	QUANTITY	In Slabs of 1-2,3-5

**Terms and conditions:**

- Quotation should be in the slab of (1-2,3-5) nos.
- Line by line compliance statement/ Detailed Technical literature/ Detailed Catalogues and reference to web sites etc. to be provided and also Deviation/ alternative suggestion statement shall be sent with the offer, **without which offer will be rejected.**
- During warranty the Unit to be serviced & made operational within 15 days from date of reporting the problem. An undertaking to be provided by vendor for the same.
- The vendor should be authorized supplier from original equipment manufacturer and should have established Service station in India approved by manufacturer. The details of service center shall be sent with the offer explaining the capability of carrying out service on site within 48 hrs including warranty service. The details of Service station and capability to provide service on site and in service station shall be supported by relevant documentary information. The offer of vendors who do not comply with service station requirement shall be rejected.
- Test results to be supplied before shipment for Acceptance by URSC and after Acceptance and Clearance by URSC, shipment to be done.
- Vendor shall carry full installation of amplifiers on site at no extra cost for demonstrating the performance on site.
- The parts used in amplifier shall be available for a period of minimum ten years from date of receipt. Compliance to this requirement is mandatory