

Annexure-1

S-Band Wave-guide Power Sampler for INMP-3

S.No.	Specification	Value
1	Coupler type	Waveguide Power Sampler
2	Wave-guide type	WR-430
3	Wave-guide flange	CPRG-430 (Rectangular grooved)
4	Wave-guide material	Aluminum Alloy (Silver plated or cromated)
5	Body finish	Corrosion resistant epoxy top coating (grey color is preferred)
6	Frequecy Range	2.025 GHz to 2.120 GHz
7	Coupling factor	50 dB \pm 0.5dB
8	Insertion loss	0.1 dB or better
9	VSWR	1.15:1 or better at wave-guide ports, 1.25:1 or better at coaxial port
10	RF impedance	50 ohm
11	Coupling port connector type	N-type Female
12	Average Power	3 kWatts CW at Wave-guide section
13	Dimensions	Max. length 150mm (6 inch)
14	Operating temperature	0 deg C to 50 deg C

General Conditions:

1. The bidder shall submit factory test results (like Output power at sampling port, Insertion loss, Freq. responses etc.) for all the Wave-guide power samplers along with the supply.
2. Bidder shall carry out factory acceptance testing of the units before dispatching to ISTRAC to ensure that the units are meeting all specifications as per ISTRAC requirements.
3. The bidder shall provide complete data sheet of the product offered, mechanical drawings of the product and any other information that may be required to evaluate the offer.
4. The bidder shall bring out point-by-point technical compliance matrix against all the specifications and functional requirements.
5. The bidder shall explicitly bring out all the points in the remark column wherever the specifications are not met or exceeded.
6. The product offered shall be based on a proven design which is already been demonstrated in the field and not on any new development which is yet to be qualified.
7. The bidder shall indicate slab wise cost of the units. The order may be placed for more no of units based on upcoming projects with phased deliveries over a period of 2 yrs. The bidder shall indicate the validity of the offer to meet this requirement and indicate the quantity discount accordingly.
8. Use of reliable components to be ensured.
9. The bidder may obtain required clarifications, if any, before presenting the bid.
10. If asked by ISTRAC, Bidder shall be ready to provide one fully functional unit to ISTRAC for technical assessment during tender evaluation process before the placement of actual order.
11. ISTRAC reserves the right to reject the incomplete order.
12. Warranty 2 years minimum.
13. All Technical supporting documents to be provided.