

Detailed Specification of Slip ring requirement for MLP 223512 (WP II)

Item Description: **Electrical Slip ring having following features:**

- 1) Electrical Power to handle: 1.5 kVA max. (AC Power)
- 2) Supply power-line voltage to handle: 1 kVac
- 3) Line Frequency: 400 Hz
- 4) Rotational speed: 50 – 70 rpm
- 5) Electrical Power Lines: 5 nos. (R, Y, B, E, Spare)
- 6) Electrical Power line voltage rating: 1000 Vac (rms) (1500 Vac (max))
- 7) Electrical Power line current rating: 10 Amps (rms) (15 Amps (max))
- 8) Electrical Signal Lines: 21 nos. including the following:
 - i. Ethernet line – 1 no. (8 signal + 1 shield + 3 spare),
 - ii. video signal lines – 3 nos. (Coax 3 core + 3 shield),
 - iii. DC supply – 2 nos. and DC Ground – 1 no.

NOTE: DC signal lines may be of voltage of the order 50V (max) and ampere rating 5 Amps. (max).
- 9) The slip ring should be provided with pigtails of 3 m length (min) and suitable adapters and connector box for environmental sealing.
- 10) The slip ring should conform to IEC vibration standard.
- 11) The slip ring should not degrade the signal quality due to EMI/RFI and other noises.
- 12) Operating Temp.: 0 to +55°C
- 13) Accessories
 - Necessary accessories, if any, for the working of the aforesaid system, need also to be quoted for satisfactory operation of the equipment.
 - Operational Manual with electrical and mechanical features, drawings, etc.
- 14) Installation and commissioning of the slip ring at work area – Cost may be quoted separately.

Shikha
18/12/19

Aravind
18/12/19

TECHNICAL SPECIFICATIONS AND OTHER ALLIED REQUIREMENT

SI No.	Description of items	Quantity
PUR/550/R&A/SB/E/2019-20		
1	SUPPLY AND INSTALLATION OF ELECTRICAL SLIP RING	1

1. INSTALLATION, COMMISSIONING AND TRAINING

- 1.1. The ordered goods are required to be installed and commissioned within 15 days of receipt of goods at final destination. Installation should be carried out only by expert engineers of Supplier / Manufacturer. During the course of installation, necessary training on operation and maintenance of the goods shall be imparted to Institute's Scientist / Engineers/Technicians.

2. WARRANTY

- 2.1. Comprehensive on-site warranty for a period of one year must be provided to be effective from the date of successful completion of the job and final acceptance of the items / equipment at the user's laboratory / Institute.