

Voltage Stabilizer

NOTE:-	
1	The "VENDOR TO CONFIRM/SPECIFY" column of this format shall be filled in by the Vendor and submitted along with the offer. Inadequate / incomplete, ambiguous, or unsustainable information against any of the clauses of the specifications/requirements shall be treated as non-compliance.
2	The offer and all documents enclosed with offer should be in English language only.
3	Any deviation may be clearly mentioned
4	Vendor should furnish required information/confirmation against each and every clause of this technical specification. This complete specification is a CHECKLIST for evaluation purpose. Therefore, leaving any clause as blank or without complete information will lead to non-compliance.
5	Our requirement is of a SERVO STABILIZER. Vendor to offer in line with the same.
6	Vendor has to submit technical data sheets/documents of the model offered with these technical specifications.
SCOPE: SUPPLY & COMMISSIONING OF SERVO STABILIZER COMPLYING WITH SPECIFICATIONS AS BELOW:	
Sl. NO.	CFFP/BHEL, HARIDWAR REQUIREMENT
	VENDOR TO CONFIRM/ TO SPECIFY
1	Scope: This specification deals with the supply & commissioning of 1 no. of Servo Stabilizer with necessary auxiliary accessories.
2	Objective: Voltage Stabilizer required for supply voltage to 11 nos. of Creep Furnaces (Input voltage: 220V-240V, Power 3 KVA each) in Creep Lab. QM, CFFP.
3	Technical Specifications:
3.1	Capacity 60KW (minimum)
3.2	Input Voltage: Phase to Phase: 350-450 Volts or better; Phase to neutral: 200- 270 Volts or better
3.3	Output Voltage: Phase to Phase: 400 Volts +/- 1% ; Phase to neutral: 230 Volts +/- 1%
3.4	Application: Indoor Type
3.5	Phase: 3Ph, 4 wires
3.6	Suitability: Suitable for all Power Factor
3.7	Duty Cycle: 24 Hours
3.8	Operating Temperature: upto 50 degC
3.9	Onload By-pass switch on Panel, in case of Servo Service/malfunction
3.10	Alarm for under voltage, over voltage & overload
3.11	Audio Alarm with manual on/off

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3.12	Cooling: Oil cooled (First oil filling provided by vendor)	
3.13	Frequency: 50Hz	
4	Essential Fittings:-	
4.1	Earthing Terminals	
4.2	Lifting Arrangement Provision	
4.3	Oil filling Pipe	
4.4	Oil Level Indicator	
4.5	Rating Plate	
4.6	Transformer & a voltage regulator (Variac) for each Phase	
6	General Requirements :	
6.1	Supplier shall demonstrate the complete functionality of the stabilizer, while supply/Installation.	
7	Documentation and manuals	
7.1	Two sets of documents for detailed operation, maintenance and servicing manuals of equipment and other accessories to be provided in English language only.	
7.2	Each document for operation, maintenance & service manual should be given on soft copy also.	
8	Installation of instrument	
8.1	The supplier should take full responsibility for carry-out the commissioning of instrument and all its accessories at BHEL free of cost. All capabilities of the instrument will have to be demonstrated to the satisfaction of the user.	
9	Acceptance Norms	
9.1	Original manufacturer's test certificates are required alongwith dispatch documents.	
10	Guarantee :	
10.1	The supplier shall provide full and complete guarantee for trouble free performance for at least two years from the date of commissioning. If instrument remains out of order during this period, guarantee period will stand extended for the corresponding period. If any manufacturing defect is noticed during guarantee period, it will be rectified free of cost even after completion of guarantee period.	

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