

A three-phase induction Motor 1 MW , Spare Part					
No.	Description		Qty.	U.O.M	
1	A three-phase induction motor for use as a starting motor for GE gas turbine. The submitted motor must meet specifications to ensure interchangeability with all existing starting motors currently employed across PHI and PHII gas turbine units. Compatibility with existing mounting configurations, electrical junction box, and dimensional form/fit is required.		1	EA	
	Technical Specifications	PHI			PHII
	Type	FHC 450K2			F3PXC 450 L/2
	Serial Number	450580-2004			06A268 010
	Power	1000 kW			1000 kW
	Voltage	6600 V			6600 V
	Frequency	50 Hz			50 Hz
	Power Factor (COSφ)	0.89			0.93
	Connection	Y			Y
	Amperage	102 A			99.9 A
	Ingress Protection (IP)	23			23
	Speed	2987 rpm			2978 rpm
	IEC Standard	34-1			60034-1
	Temp.				50 C , S1
	Weight	3950 kg			4465 kg
	Insulation Class	F			F
	Efficiency	95.80%			
	Drive End (DE) Bearing	6222 MC3			6320 C3
	Non-Drive End (NDE) Bearing	6222 MC3			6320M C3
	Manufacturer	Ganz Transelektro Rt.			Converteam
Explosion Proof	Ex nA II T3	Ex nA II T3			
IM		1002			
Requirements and Special Conditions: 1- Accessories Supply: - All essential accessories for the motors must be supplied, including: Flange couplings designed for both PHI and PHII systems, Resistance Temperature Detectors (RTDs), and other necessary components. 2- On-Site Engineering Assessment: - A qualified field engineer site visit to the assessment of the PHI and PHII starting motor installations. The assessment will involve gathering detailed dimensional data, interface specifications, and configuration parameters required to develop sealed stamped engineering drawings for precise mechanical and electrical integration of the replacement starting motor . - Dimensional measurements of the turbine drive shaft couplings and mounting locations to inform designing interface hardware such as shaft couplings and mounting baseplates. - Electrical junction box should also be confirmed by examining existing motor cabling and enclosures. 3- Drawing Approval : The final drawings should be submitted to SEPCO for approval before the initiation of the manufacturing process. 4- SEPCO Engineer Attendance at FAT: - two SEPCO engineer should attend the Factory Acceptance Test (FAT) ,including Full accommodation and travel.					