Manufacturer Type of motor Quantity						
Quantity	Bharat Bijlee Ltd.		Customer			
~ <i>·</i>	3 Phase Induction Motor		BBL Enquiry reference No			
	CUSTOMER TO FURNISH		Customer P.O.Number			
Application	CUSTOM	ER TO FURNISH	W.O. No. / SAP No.	15 /	(D	
Tag no. BBL type tef.			Output kW / pole Frame size	1.5 /	6P 00L	
Installation deta	uls		Applicable standards (latest edition)	I.	JOL .	
Area classificatic	on (Safe / Hazardous)	Industrial safe area	Performance: IS/IEC 60034-1 Maintenance IS:900			
Location: indoor/outdoor/deck Altitude (meters)		Indoor	Dimensions: IS 1231/IS 2223/IS:8223			
		1000 or less	Vibrations: IS 12075			
	1 / 11		Noise level: IS 12065			
Hazardous area details		N.A.	Supply conditions and permissible variations (grid Number of phases	Three		
Area classification GAS (Zone 1/Zone 2) Gas group		N.A.	Voltage (Volts) and permisible variation	415 ±10%		
Temp.class		N.A.	Frequency (Hz) and permissible variation	50 ±5%		
Type of Explosion protection (FLP/Type 'e'/Type 'n')		N.A.	Combined variation (absolute sum)	±10%		
Approving authority for hazardous area		Not Applicable				
Electrical param	neters					
Starting perform			7			
Method of startin	0	DOL CUSTOMED TO EUDNISH	Starting current (%FLC)		50	
Load speed (rpm		CUSTOMER TO FURNISH	Starting torque (%FLT)	200 250		
Motor GD^2 (kgm	/	0.0241 CUSTOMER TO FURNISH	Pull out torque (%FLT)			
Load GD ² (kgm ²)			Locked rotor withstand time (hot/cold) (sec) Number of consecutive starts (hot/cold) (nos.)	15 /	30	
Load torque-speed curve		Parabolic TS curve PLEASE FURNISH ALL ABOVE	provided Load GD2 = Motor GD2	2	2/3	
Starting time at r Running Perfor i	rated voltage (sec)	DETAILS				
Efficiency class	munce	IE2	Duty and designation	Continu	ous (S1)	
	emp.rise by resistance (deg.C)	50 / 70	CDF/Equivalent starts per hour/FI		-	
Enclosure		TEFC (TOTALLY ENCLOSED FAN COOLED)	Insulation class / utilisation class on DOL	F/B		
Full load current	(FLC) amps.	3.63	Rotor type (Squirrel Cage/ Slip ring)	Squirr	el Cage	
Full load speed (1	rpm)	935	Rotor voltage/rotor current (RV/RA) (Volts/Amps)	-	plicable	
Full load torque (FLT) kg-m		1.56	Stator/rotor time constant (min)	108/146		
Efficiency in % a Mechanical part	nt FL/0.75FL/0.5FL	79.8 79.8 76.0	Power factor at FL/0.75FL/0.5FL	0.72 0.62	0.52	
Mounting	umeters	B8	Mounting dimensions	Refer G	A drawing	
Shaft extention		Single cylindrical	Direction of rotation viewed from DE		kwise	
Degree of protection		IP 55	Suitable for bidirectional rotation	Yes		
Method of cooling (TEFC/forced cooled/TESC)		TEFC (IC 411)	Paint type	Acrylic		
Net weight of motor (kgs.)		22	Paint shade	RAL 5000		
			Earthing provision (two terminals on stator body)	Y	'es	
			Terminal box			
Bearings	/flowible/Datt &			1		
Bearings Coupling (Direct	/flexible/Belt &	Direct	Terminal box location when viewed from DE	As per G	A drawing	
Bearings Coupling (Direct Pulley/Gearbox)	/flexible/Belt & pulley (OD x width) mm	Direct	Terminal box location when viewed from DE Direction of cable entry	-	A drawing A drawing	
Bearings Coupling (Direct Pulley/Gearbox) Dimenssions of p				As per G 1R X 3C X 1	A drawing	
Bearings Coupling (Direct Pulley/Gearbox) Dimenssions of p	pulley (OD x width) mm ball/angular contact)	- Ball /Ball	Direction of cable entry Cable size and type(Aluminium) B Earthing provision (one terminal in TB)	As per G 1R X 3C X 1 2R X 3C X	A drawing 0 SQ MM O	
Bearings Coupling (Direct. Pulley/Gearbox) Dimenssions of p Bearings (roller/h Bearing size DE/ Fype of lubrication	oulley (OD x width) mm ball/angular contact) NDE	- Ball /Ball	Direction of cable entry Cable size and type(Aluminium)	As per G 1R X 3C X 1 2R X 3C X Y	A drawing 0 SQ MM O 10 SQ MM	
Bearings Coupling (Direct. Pulley/Gearbox) Dimenssions of p Bearings (roller/t Bearing size DE/ Type of lubrication Accessories	pulley (OD x width) mm ball/angular contact) NDE on	- Ball /Ball 6206 2Z C3 / 6205 2Z C3	Direction of cable entry Cable size and type(Aluminium) Earthing provision (one terminal in TB) No of phases/Winding connection/number of terminals	As per G 1R X 3C X 1 2R X 3C X Y	A drawing 0 SQ MM O 10 SQ MM ′es	
Bearings Coupling (Direct. Pulley/Gearbox) Dimenssions of p Bearings (roller/t Bearing size DE/ Type of lubrication Accessories RTDs - 3 number	bulley (OD x width) mm ball/angular contact) NDE on rs simplex (w/o controller)	- Ball /Ball 6206 2Z C3 / 6205 2Z C3	Direction of cable entry Cable size and type(Aluminium) Earthing provision (one terminal in TB) No of phases/Winding connection/number of terminals Arrow plate for direction of rotation	As per G 1R X 3C X 1 2R X 3C X Y	A drawing 0 SQ MM O 10 SQ MM ′es	
Bearings Coupling (Direct. Pulley/Gearbox) Dimenssions of p Bearings (roller/t Bearing size DE/ Type of lubrication Accessories RTDs - 3 number BTDs - 1 number	pulley (OD x width) mm ball/angular contact) NDE on	- Ball /Ball 6206 2Z C3 / 6205 2Z C3	Direction of cable entry Cable size and type(Aluminium) Earthing provision (one terminal in TB) No of phases/Winding connection/number of terminals Arrow plate for direction of rotation Double compression glands (main cable) Double compression glands (Space	As per G 1R X 3C X 1 2R X 3C X Y	A drawing 0 SQ MM O 10 SQ MM ′es	
Bearings Coupling (Direct. Pulley/Gearbox) Dimenssions of p Bearings (roller/t Bearing size DE/ Gype of lubrication Accessories RTDs - 3 number BTDs - 1 number Space heaters - s	pulley (OD x width) mm ball/angular contact) NDE on rs simplex (w/o controller) r per bearing (w/o controller)	- Ball /Ball 6206 2Z C3 / 6205 2Z C3	Direction of cable entry Cable size and type(Aluminium) Earthing provision (one terminal in TB) No of phases/Winding connection/number of terminals Arrow plate for direction of rotation Double compression glands (main cable)	As per G 1R X 3C X 1 2R X 3C X Y	A drawing 0 SQ MM O 10 SQ MM ′es	
Bearings Coupling (Direct. Pulley/Gearbox) Dimenssions of p Bearings (roller/t Bearing size DE/ Type of lubrication Accessories RTDs - 3 number BTDs - 1 number Space heaters - s: Thermisters - PT Additional T-Boy	oulley (OD x width) mm ball/angular contact) NDE on rs simplex (w/o controller) r per bearing (w/o controller) ingle phase 50z, 230V 'C , 1 number per phase x for Accessories	- Ball /Ball 6206 2Z C3 / 6205 2Z C3	Direction of cable entry Cable size and type(Aluminium) Earthing provision (one terminal in TB) No of phases/Winding connection/number of terminals Arrow plate for direction of rotation Double compression glands (main cable) Double compression glands (Space heater/thermisters/RTDs)	As per G 1R X 3C X 1 2R X 3C X Y	A drawing 0 SQ MM O 10 SQ MM Yes	
Bearings Coupling (Direct Pulley/Gearbox) Dimenssions of p Bearings (roller/b Bearing size DE/ Type of lubrication Accessories RTDs - 3 number BTDs - 1 number Space heaters - si Fhermisters - PT	oulley (OD x width) mm ball/angular contact) NDE on rs simplex (w/o controller) r per bearing (w/o controller) ingle phase 50z, 230V 'C , 1 number per phase x for Accessories	- Ball /Ball 6206 2Z C3 / 6205 2Z C3	Direction of cable entry Cable size and type(Aluminium) Earthing provision (one terminal in TB) No of phases/Winding connection/number of terminals Arrow plate for direction of rotation Double compression glands (main cable) Double compression glands (Space heater/thermisters/RTDs)	As per G 1R X 3C X 1 2R X 3C X Y	A drawing 0 SQ MM O 10 SQ MM Yes	

Project:	Contractor/Client		Date:	
Consultant	Package			