Bharat Bijlee			for motors			
Manufacturer Bharat Bijlee Ltd.			Customer			
	Phase Induction Motor		BBL Enquiry reference No			
Quantity			Customer P.O.Number			
Application	CUSTOMI	ER TO FURNISH	W.O. No. / SAP No.			
Гag no.			Output kW / pole	0.55	/	4P
BBL type tef.		2J080433	Frame size		MJ80	
nstallation details			Applicable standards (latest edition)			
Area classification (S	,	Hazardous	Performance: IS/IEC 60034-1 Maintenance IS:900	FLP Mot	tors: IS/IEC 6	50079-1
Location: indoor/out	door/deck	Indoor	Dimensions: IS 1231/IS 2223/IS:8223			
Altitude (meters) 1000 or less			Vibrations: IS 12075 Noise level: IS 12065			
Hazardous area dete	ails		Supply conditions and permissible variations (grid	d supply	,)	
	GAS (Zone 1/Zone 2)	ZONE I	Number of phases	11 5	Three	
Gas group	(20110 1/20110 2)	IIA, IIB	Voltage (Volts) and permisible variation	415		0%
Temp.class		T6	Frequency (Hz) and permissible variation	50		5%
Type of Explosion protection (FLP/Type 'e'/Type 'n')		Ex d	Combined variation (absolute sum)		±10%	
Approving authority	for hazardous area	If Coal Mine application then				
Electrical parameter		DGMS else PESO				
Starting performance						
		DOI	Starting aureant (0/ EL C)		500	
Method of starting		DOL CUSTOMED TO EUDNISH	Starting current (%FLC)		500	
Load speed (rpm)		CUSTOMER TO FURNISH	Starting torque (%FLT)		280	
Motor GD^2 (kgm ²)		0.0066	Pull out torque (%FLT)		300	
Load $GD^2(kgm^2)$		CUSTOMER TO FURNISH	Locked rotor withstand time (hot/cold) (sec)	30	/	60
Load torque-speed curve		Parabolic TS curve	Number of consecutive starts (hot/cold) (nos.) provided Load GD2 = Motor GD2		2/3	
Starting time at rated	l voltage (sec)	PLEASE FURNISH ALL ABOVE DETAILS				
Running Performan	nce					
Efficiency class		IE2	Duty and designation	Continuous (S1)		
<	rise by resistance (deg.C)		CDF/Equivalent starts per hour/FI		_	()
Enclosure	<u></u>	TEFC (TOTALLY ENCLOSED FAN COOLED)	Insulation class / utilisation class on DOL		F/B	
Full load current (FL	C) amps	1.34	Rotor type (Squirrel Cage/ Slip ring)		Squirrel Ca	
Full load speed (rpm	/ L	1.34	Rotor voltage/rotor current (RV/RA) (Volts/Amps)			
	,				A A	
Full load torque (FL		0.38	Stator/rotor time constant (min)	0.74	90/122	
Efficiency in % at FI Mechanical parame		77.1 77.1 72.0	Power factor at FL/0.75FL/0.5FL	0.74	0.64	0.50
Mounting		B8	Mounting dimensions	D	lefer GA dra	wing
0						<u> </u>
aft extention		Single cylindrical	Direction of rotation viewed from DE	Clockwise		
Degree of protection Method of cooling (7		IP 55	Suitable for bidirectional rotation	Yes		
cooled/TESC)			Paint type	Acid Alkali Proof		
Net weight of motor	(kgs.)	31	Paint shade	632 as per IS 5		
			Earthing provision (two terminals on stator body)		Yes	
Bearings			Terminal box			
Coupling (Direct/flexible/Belt &		Direct	Terminal have location when viewed from DE	٨		
Pulley/Gearbox)		Direct	Terminal box location when viewed from DE	As per GA drawing		
Dimensions of pulley (OD x width) mm		_	Direction of cable entry	As per GA drawing		
Bearings (roller/ball/		Ball /Ball	Cable size and type(Aluminium)	1R X 3C X 4 SQ MM		
Bearing size DE/ND	Ε	6204 2Z C3 / 6204 2Z C3	Earthing provision (one terminal in TB)		Yes	
			No of phases/Winding connection/number of			
		LITHIUM SOAP BASE GREASE	terminals	3 / STAR / 3		
Type of lubrication			Arrow plate for direction of rotation			
Type of lubrication	implex (w/o controller)					
Type of lubrication Accessories RTDs - 3 numbers si			Double compression glands (main cable)			
Type of lubrication Accessories RTDs - 3 numbers si	er bearing (w/o controller)		Double compression glands (main cable) Double compression glands (Space			
Type of lubrication Accessories RTDs - 3 numbers si BTDs - 1 number per Space heaters - singl	er bearing (w/o controller)					
Type of lubrication Accessories RTDs - 3 numbers si BTDs - 1 number per Space heaters - singl	er bearing (w/o controller) le phase 50z, 230V 1 number per phase		Double compression glands (Space heater/thermisters/RTDs)			

Notes:

1)All performance values are subject to IS/IEC 60034-1 tolerances, unless otherwise specified.

2)Performance values are at rated voltage and rated frequency condition and for DOL starting condition.

3)Motor GD^2 = Load GD^2 assumed wherever not mentioned.

4)Where starting time is more than 10 seconds, provision of heavy duty relays is mandatory.

5)Kilowatt rating is mandatory and HP is approximate.

6) Accessories provided are marked as "YES"

		Prepared by	
		Approved by	
		Revison	
Project:	Contractor/Client	Deter	
Consultant	Package	Date:	