Bharat Bijlee			for motors			
	arat Bijlee Ltd.		Customer			
Гуре of motor 3 Pl	hase 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	0.37	/	4P
BBL type tef.		2J080413	Frame size		MJ80	
Installation details			Applicable standards (latest edition)			
Area classification (S	afe / Hazardous)	Hazardous	Performance: IS/IEC 60034-1 Maintenance IS:900	FLP Mot	ors: IS/IEC 6	0079-1
Location: indoor/outdoor/deck		Indoor	Dimensions: IS 1231/IS 2223/IS:8223			
Altitude (meters)		1000 or less	Vibrations: IS 12075			
			Noise level: IS 12065			
Hazardous area deta	uils		Supply conditions and permissible variations (grid	d supply	)	
Area classification G	AS (Zone 1/Zone 2)	ZONE I	Number of phases		Three	
Gas group		IIA, IIB	Voltage (Volts) and permisible variation	415	±1(	)%
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 DGMS else PESO				
Electrical parameter	·s					
Starting performanc						
Method of starting	-	DOL	Starting current (%FLC)		500	
Load speed (rpm)		CUSTOMER TO FURNISH	Starting current (%FLC) Starting torque (%FLT)		240	
		0.0061	Pull out torque (%FLT)	240		
$\frac{\text{Motor GD}^2 (\text{kgm}^2)}{1 \text{ GD}^2 (1 \text{ sm}^2)}$				20		~~~
Load GD <sup>2</sup> (kgm <sup>2</sup> )		CUSTOMER TO FURNISH	Locked rotor withstand time (hot/cold) (sec)	30	/	60
Load torque-speed cu	ırve	Parabolic TS curve	Number of consecutive starts (hot/cold) (nos.) provided Load GD2 = Motor GD2		2/3	
Starting time at rated	voltage (sec)	PLEASE FURNISH ALL ABOVE DETAILS				
Running Performan	<i>ce</i>					
Efficiency class		IE2	Duty and designation	Continuous (S1)		
Ambient temp./temp.	rise by resistance (deg.C)	45 / 75	CDF/Equivalent starts per hour/FI		-	
Enclosure		TEFC (TOTALLY ENCLOSED FAN COOLED)	Insulation class / utilisation class on DOL	F/B		
Full load current (FL	C) amps.	0.96	Rotor type (Squirrel Cage/ Slip ring )	Squirrel Cage		
Full load speed (rpm)	)	1415	Rotor voltage/rotor current (RV/RA) (Volts/Amps)		Not applical	ble
Full load torque (FLT	) kg-m	0.25	Stator/rotor time constant (min)		90/122	
Efficiency in % at FL		72.7 72.7 67.7	Power factor at FL/0.75FL/0.5FL	0.74	0.68	0.55
Mechanical paramet						
Mounting		B3	Mounting dimensions	R	efer GA drav	wing
Shaft extention		Single cylindrical	Direction of rotation viewed from DE	Clockwise		
Degree of protection		IP 55	Suitable for bidirectional rotation		Yes	
Method of cooling (T cooled/TESC)			Paint type	Acid Alkali Proof		
Net weight of motor (	(kgs.)	31	Paint shade	632 as per IS 5		
	<u>````0``'/</u>		Earthing provision (two terminals on stator body)	Yes		
Bearings			Terminal box		<b>~~</b> 5	
Coupling (Direct/flex Pulley/Gearbox)	ible/Belt &	Direct	Terminal box location when viewed from DE	As per GA dra		wing
Dimenssions of pulle	v (OD x width) mm	_	Direction of cable entry	As per GA drawing		
Bearings (roller/ball/a		Ball /Ball	Cable size and type(Aluminium)	1R X 3C X 4 SQ MM		
Bearing size DE/NDI	 E	6204 2Z C3 / 6204 2Z C3	Earthing provision (one terminal in TB)		Yes	
			No of phases (Winding connection/number of			
Type of lubrication		LITHIUM SOAP BASE GREASE	terminals		3 / STAR /	3
	mnlow (m/c controller)		Amony plata for direction of ratetier			
			Arrow plate for direction of rotation			
RTDs - 3 numbers sin	' nearing (W/O controller)		Double compression glands (main cable)			
RTDs - 3 numbers sin	bearing (w/o controller)					
RTDs - 3 numbers sin BTDs - 1 number per Space heaters - single			Double compression glands (Space heater/thermisters/RTDs)			
RTDs - 3 numbers sin BTDs - 1 number per Space heaters - single Fhermisters - PTC , 1	e phase 50z, 230V I number per phase					
RTDs - 3 numbers sin BTDs - 1 number per Space heaters - single	e phase 50z, 230V I number per phase		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:	