Bharat Bijlee Ltd.					
		Customer			
3 Phase Induction Motor		BBL Enquiry reference No			
CUSTON		Customer P.O.Number			
CUSTOM	ER TO FURNISH	W.O. No. / SAP No.	22	1	41
		Output kW / pole Frame size	22	/ 180	4I
tils		Applicable standards (latest edition)		1001	
on (Safe / Hazardous)	Industrial safe area	Performance: IS/IEC 60034-1 Maintenance IS:900			
/outdoor/deck	Indoor 1000 or less	Dimensions: IS 1231/IS 2223/IS:8223 Vibrations: IS 12075			
		Noise level: IS 12065			
details		Supply conditions and permissible variations (gria	l supply)		
on GAS (Zone 1/Zone 2)		Number of phases	Three		
on protection (FLP/Type	N.A.	Combined variation (absolute sum)	50 ±5% ±10%		
rity for hazardous area	Not Applicable				
neters					
nance		1	I		
ng		Starting current (%FLC)		650	
2					
12)			10	290	
		Number of consecutive starts (hot/cold) (nos.)	10	/ 2./*	20 3
	PLEASE FURNISH ALL ABOVE	provided Load GD2 = Motor GD2	213		
mance	DETAILS				
	IE2	Duty and designation	Co	ontinuou	is (S1)
emp.rise by resistance (deg.C)	50 / 70 TEFC (TOTALLY ENCLOSED	CDF/Equivalent starts per hour/FI	- E/D		
	FAN COOLED)	Insulation class / utilisation class on DOL		F/B	
(FLC) amps.		Rotor type (Squirrel Cage/ Slip ring)	Squirrel Cage		
			Not applicable		
		× /	0.85		46 0.7
ameters	71.0 71.0 71.0		0.05	0.02	0.7
		Mounting dimensions	Re		0
	Single cylindrical	Direction of rotation viewed from DE		Clockv	
tion	IP 55	Suitable for bidirectional rotation		Yes	
g (TEFC/forced cooled/TESC)	TEFC (IC 411)	Paint type		Acryl	ic
otor (kgs.)	187	Paint shade	RAL 5000		
(8)				Yes	
		Terminal box			
/flexible/Belt &	Direct	Terminal box location when viewed from DF	As	per GA	drawino
	Divit			-	
ouney (OD x width) mm	-	Direction of cable entry	As	per GA	urawing
oall/angular contact)	Ball /Ball	Cable size and type(Aluminium)	2R :		
NDE	6310 2Z C3 / 6210 2Z C3			Yes	
on	LITHIUM SOAP BASE GREASE	No of phases/Winding connection/number of terminals	3 / DELTA / 6		
	<u>ı</u>		l		
rs simplex (w/o controller)		Arrow plate for direction of rotation			
r per bearing (w/o controller)		Double compression glands (main cable) Double compression glands (Space			
ingle phase 50z, 230V		heater/thermisters/RTDs)			
C, 1 number per phase		Brake (Type/voltage/torque)			
	ļ				
			1		
plate			1		
plate we values are subject to IS/IEC ϵ	50034-1 tolerances, unless otherwise s				
plate evalues are subject to IS/IEC 6 alues are at rated voltage and ra	ated frequency condition and for DOL				
plate ev values are subject to IS/IEC 6 alues are at rated voltage and ra Load GD ² assumed wherever no	ated frequency condition and for DOL	starting condition.			
	details n GAS (Zone 1/Zone 2) n protection (FLP/Type rity for hazardous area reters rance g) 2) d curve ated voltage (sec) nance mp.rise by resistance (deg.C) (FLC) amps. pm) FLT) kg-m t FL/0.75FL/0.5FL indeters ion g (TEFC/forced cooled/TESC) tor (kgs.) /flexible/Belt & ulley (OD x width) mm sall/angular contact) NDE on	1000 or less details n GAS (Zone 1/Zone 2) N.A. N.A. N.A. n protection (FLP/Type N.A. nine DOL N.A. rity for hazardous area Not Applicable teters ance g DOL 0 CUSTOMER TO FURNISH 2) 0.532 CUSTOMER TO FURNISH d curve Parabolic TS curve ated voltage (sec) PLEASE FURNISH ALL ABOVE DETAILS mance IE2 mp.rise by resistance (deg.C) FAN COOLED) (FLC) amps. 39.3 pm) 1465 FLT, Mg-m 1465 FLT, Mg-m 14.6 tFL/0.75FL/0.5FL 91.6 91.0 IEFC (forced cooled/TESC) g (TEFC/forced cooled/TESC) TEFC (IC 411) restimate	1000 or less Vibrations: IS 12075 Noise level: IS 12065 Noise level: IS 12065 details Supply conditions and permissible variations (grid n GAS (Zone 1/Zone 2) N.A. N.A. Number of phases n GAS (Zone 1/Zone 2) N.A. N.A. Voltage (Volts) and permissible variation n protection (FLP/Type N.A. Combined variation (absolute sum) Frequency (Hz) and permissible variation ntip for hazardous area Not Applicable etters CustOMER TO FURNISH Joint CustOMER TO FURNISH Locked rotor withstand time (hot/cold) (sec) CUSTOMER TO FURNISH Locked rotor withstand time (hot/cold) (sec) d curve Parabolic TS curve Number of consecutive starts (hot/cold) (nos.) provided Load GD2 = Motor GD2 ated voltage (sec) PLEASE FURNISH ALL ABOVE DETAILS nance IE2 Duty and designation TFE/C TOTALLY ENCLOSED Insulation class / utilisation class on DOL (FLC) amps. 39.3 Rotor vpte (Squirrel Cage/ Slip ring) pm) 1465 Stator/otor time constant (min) 1FLO.7SFL/D.SFL	1000 or less Vibrations: IS 12075 Answer of the server is 12065 Nake level: IS 12065 details Supply conditions and permissible variations (grid supply) n GAS (Zone 1/Zone 2) N.A. N.A. Number of phases n protection (FLP/Type N.A. N.A. Combined variation (absolute sum) n protection (FLP/Type N.A. CUSTOMER TO FURNISH Starting current (%FLC) g DOL g CUSTOMER TO FURNISH ance DOL g' O.332 Pull out torque (%FLT) Incked toror withstand time (hot/cold) (nos.) growther of consecutive starts (hot/cold) (nos.) provided Load GD2 = Motor GD2 ated voltage (sec) PLEASE FURNISH ALL ABOVE DETAILS namee DETAILS namee COPE/Equivalent starts per hour/FI TEFC (TOTALLY ENCLOSED FAN Colleg) Insulation class / utilisation class on DOL (FLC) amps. 39.3 Rotor type (Squirrel Cage/ Slip ring) pm) 1465 Rotor voltage/order order of the condition of the condition of the starts per hour/FI FLT kg-m 14.6 Stator/totor time constant (min) pm) 1465 Rotor type (Squirrel Cage/ Slip ring) pm) 1465 Rotor voltage/rotar LD.075EL0.SEL	1000 or less Vibrations: IS 12075 Action Noise level: IS 12065 details Na. Actions: IS 12065 Three details Sigply conditions and permissible variations (grid supply) n GAS (Zone L/Zone 2) N.A. Number of phases Three n GAS (Zone L/Zone 2) N.A. Number of phases Three n protection (FLP/Type N.A. Combined variation (absolute sum) ±101 rity for hazardous area Not Applicable Starting current (%FLC) 655 g DOL Starting current (%FLT) 206 f) CUSTOMER TO FURNISH Locked rotor withstand time (hot/cold) (sec) 10 / d curve Parabolic TS curve Number of consecutive stark (hot/cold) (nos.) 2/. provided Load GD2 = Motor GD2 10 / FR - f(EQ) amps. 39.3 Rotor tylegride rotor current (WrRA) (Volts/Amps) Not applicable pm) 1465 Rotor voltager/toro current (WrRA) (Volts/Amps) Not applicable pm) 1465 Rotor voltager/tor current (WrRA)

			Revison	
Project:	Contractor/Client	т	Date:	
Consultant	Package	L	Date.	