Bharat Bijlee Ltd. 3 Phase Induction Motor CUSTOMI		Customer			
CUSTOM					
		BBL Enquiry reference No			
		Customer P.O.Number			
ils	SR TO FURNISH	W.O. No. / SAP No.	15	1	(T
iils		Output kW / pole Frame size	15	/ 1801	6P
		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 (grid	l supply)		
on GAS (Zone 1/Zone 2)	N.A.	Number of phases	Three		
on protection (FLP/Type	N.A. N.A.		50 ±5%		
rity for hazardous area					
neters	Not Applicable				
nance					
ng	DOL	Starting current (%FLC)		550	
1) 2		Starting torque (%FLT)			
12)		1 × /		250	
		Locked rotor withstand time (hot/cold) (sec) Number of consecutive starts (hot/cold) (nos.)	12	/	24
	PLEASE FURNISH ALL ABOVE	provided Load GD2 = Motor GD2	2/3		
mance	DETAILS				
	IE2	Duty and designation	Co	ontinuou	s (S1)
emp.rise by resistance (deg.C)	50 / 70 TEEC (TOTALLY ENCLOSED	CDF/Equivalent starts per hour/FI	-		
	FAN COOLED)	Insulation class / utilisation class on DOL		F/B	
(FLC) amps.	28.4	Rotor type (Squirrel Cage/ Slip ring )	51	Squirrel	Cage
rpm)	975	Rotor voltage/rotor current (RV/RA) (Volts/Amps)	Not applicable		
			0.00		
	89.7 89.7 89.0	Power factor at FL/0.75FL/0.5FL	0.82	0.78	0.6
	B5	Mounting dimensions	Re	fer GA d	Irawing
	Single cylindrical	Direction of rotation viewed from DE		Clockw	0
tion	IP 55	Suitable for bidirectional rotation	Yes		
g (TEFC/forced cooled/TESC)	TEFC (IC 411)	Paint type		Acryli	ic
, , , , , , , , , , , , , , , , , , ,	. ,				
tor (kgs.)	185				
				105	
/flexible/Belt &	D' /				1
	Direct	Terminal box location when viewed from DE	As	per GA	arawing
oulley (OD x width) mm	-	Direction of cable entry	As	per GA	drawing
oall/angular contact)	Ball /Ball	Cable size and type(Aluminium)	2R >	x 3C x 1	6 Sqmm
NDE	6310 2Z C3 / 6210 2Z C3			Yes	-
on	LITHIUM SOAP BASE GREASE	No of phases/Winding connection/number of terminals	3 / DELTA / 6		
		-			
ingle phase 50z, 230V		Double compression glands (Space			
C, 1 number per phase		heater/thermisters/RTDs) Brake (Type/voltage/torque)			
x for Accessories		Drake (1 ype/vonage/l0/que)			
plate	50034-1 tolerances, unless otherwise s	specified.			
e values are subject to IS/IEC 6	ated frequency condition and for DOL	starting condition.			
e values are subject to IS/IEC 6	ted frequency condition and for DOL	starting condition.			
	n protection (FLP/Type rity for hazardous area eters ance g ) 2) d curve ated voltage (sec) nance mp.rise by resistance (deg.C) (FLC) amps. pm) FLT) kg-m t FL/0.7SFL/0.SFL inneters ion g (TEFC/forced cooled/TESC) tor (kgs.) flexible/Belt & ulley (OD x width) mm all/angular contact) NDE on s simplex (w/o controller) per bearing (w/o controller)	N.A.     n protection (FLP/Type     N.A.     nity for hazardous area     Not Applicable     eters     ance     g   DOL     0   CUSTOMER TO FURNISH     2)   0.74     CUSTOMER TO FURNISH     d curve   Parabolic TS curve     ated voltage (sec)   PLEASE FURNISH ALL ABOVE DETAILS     mance   IE2     mp.rise by resistance (deg.C)   50 / 70     TEFC (TOTALLY ENCLOSED FAN COOLED)     (FLC) amps.   28.4     pm)   975     FLT) kg-m   15     t FL/0.75FL/0.5FL   89.7   89.0     inneters   B5     g (TEFC/forced cooled/TESC)   TEFC (IC 411)     tor (kgs.)   183     d   Gaito 2Z C3 / 6210 2Z C3     mail/angular contact)   Ball /Ball     NDE   6310 2Z C3 / 6210 2Z C3     m   LITHIUM SOAP BASE GREASE	N.A. Voltage (Volts) and permissible variation   N.A. Frequency (Hz) and permissible variation   n protection (FLP/Type N.A.   ity for hazardous area Not Applicable   eters ance   g DOL   g CUSTOMER TO FURNISH   of the starting torque (%FLT)   of CUSTOMER TO FURNISH   of curve Parabolic TS curve   Number of consecutive starts (hot/cold) (sec)   Number of consecutive starts (hot/cold) (sec)   nance   marce   marce   marce   mp.rise by resistance (deg.C)   50 70   CDF/Equivalent starts per hour/FI   Insulation class / utilisation class on DOL   FLO.7SFL0.SFL 89.7   By ray 15   Stator/root rune constant (min)   FLO.7SFL0.SFL 89.7   By ray 183   Paint shade   g (TEFC/fored cooled/TESC) TEFC (IC 411)   Paint shade   g (TEFC/forced cooled/TESC) TEFC (IC 411)   Paint shade   g (TEFC/forced cooled/TESC) TEFC (IC 411)   Paint shade   g (TEFC/forced cooled/TESC) TEFC (IC 411)   Paint shade   Direct Terminal	N.A.     Voltage (Volts) and permisible variation     415       n protection (FLP/Type     N.A.     Prequency (Hz) and permissible variation     50       n protection (FLP/Type     N.A.     Combined variation (absolute sum)     50       ity for hazardous area     Not Applicable     60     50       eters     ance     60     51     50       g     DOL     Starting torque (%FLC)     61     61       g     CUSTOMER TO FURNISH     Starting torque (%FLT)     61     61       g     CUSTOMER TO FURNISH     Number of consecutive stars (hor/cold) (sec)     12     12       d curve     Parabolic TS curve     Number of consecutive stars (hor/cold) (nos.)     provided Load GD2 = Motor GD2     12       nance     EE2     Duty and designation     CC     CC       mprise by resistance (deg.C)     50     /     70     CDF/Equivalent starts per hour/FI     11       nultation class / utilisation class on DOL     FAV COOLEDD     Insulation class / utilisation class on DOL     No       FLD. SFL 0. SFL     89.7     89.7     89.7     89.7     89.7	N.A.     Voltage (Volts) and permissible variation     415       n protection (FLP/Type     N.A.     Frequency (Hz) and permissible variation     50       n protection (FLP/Type     N.A.     Combined variation (absolute sum)     ±109       ity for hazardous area     Not Applicable      ±109       eters     ance       50       g     DOL     Starting current (%FLC)     550       ob     CUSTOMER TO FURNISH     Starting torque (%FLT)     233       curve     Parabolic TS curve     Number of consecutive starts (hot/cold) (see)     12     /       d curve     PLEASE FURNISH ALL ABOVE     Number of consecutive starts (hot/cold) (nos.)     2/3       namee       FEC (TOTALLY ENCLOSE)     Insulation class / utilisation class on DOL     F/B       prise by resistance (deg.C)     50     /     70     CDF/Equivalent starts per hour/FI     -       fELO.7SPL0.5FL     89.7     89.7     80.7     S0     Squiref       prise by resistance (deg.C)     12     /     Not appli     108/1       fELO.7SPL0.5FL

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