



PROJECT NAME:
CUSTOMER
PROJECT NO:

DATA SHEET FOR HIGH VOLTAGE SQUIRREL CAGE IN

SR.NO.	DESCRIPTION	DATA	SR.NO.
A	Site conditions:- Refer Document - 'Site conditions and climate'		
1	Maximum ambient temperature:	°C	
2	Minimum ambient temperature:	°C	
3	Design ambient temperature:	40 °C	
4	Relative Humidity:	%	
5	Altitude above MSL:	< 1000 m	
6	Environment:	Humid & corrosive	
B	Technical Particulars		
1	Motor Tag no.	AR-3A	17
2	Driven equipment name	Conveyor	18
3	Voltage	6.6kv ± 10%	19
4	Phase	Three	20
5	Frequency	50 Hz ± 3%	21
6	Fault Level	41 kA	
7	Fault Duration	0.25 sec.	22
8	System earthing	Resistance	23
9	Duty	Continuous	24
10	Method of starting	D.O.L.	25
11	Cable size		26
12	Cable Type	6.6kV(UE) XLPE	27
13	Temperature rise	80° C	
14	Cooling	TEFC	
15	Insulation class	F	
16	Temp. rise limited to	B	
DRIVEN EQUIPMENT MANUFACTURER'S DATA			
1	Suggested motor rating	kW	9
2	Manufacturer		10
3	Type of driven equipment		11
4	Driven Equipment		12
5	Shaft kW	kW	13
6	kW at maximum load	kW	14
7	speed	RPM	15
8	Rotation of equip. coupling end		
MOTOR MANUFACTURER'S DATA			
1	Rating	kW	19
2	Manufacturer		20
3	Frame designation		21
4	No.of poles		22
5	Full load speed	RPM	23
6	Mounting		24
7	Full load torque (FLT)	mkg	25

8	Starting Torque	% of FLT	26
9	Break down or pull out torque	% of FLT	27
10	Full load current (FLC)	A	
11	Starting Current at 100% voltage	% of FLC	28
12	Rotation viewed from couplling end		
13	Starting time at 80% /100% voltage	sec.	29
14	Locked rotor withstand time (cold/hot) at		
	80% Voltage	Sec.	30
	100% voltage	Sec.	31
15	Time(Te) for Increased Safety Motor at 100% Voltage	Sec.	32
			33
16	Efficiency at 75%/100% Load	%	
17	Power factor at 75%/100% Load		
18	Heating/Cooling Time Const.(min)	min	

Notes:-

- 1 Starting time claculation shall be based on operating conditions soecified in condition, at no load /under load, as applicable
- 2 Differential protection CTs ate required for motors rated 1000kW & above
- 3 Vendor shall furnish completely filled data sheet.
- 4 Separate data sheet shall be submitted for each motor.
- 5 RTD shall be provided for all motors rated 1000kW and Above.
- 6 The starting shall be limited to in line with existing & as per motor startup st

0	25.10.2010	Issued with Bid Packge	
Rev.	Date	Purpose	

DUCTION MOTOR

DESCRIPTION	DATA
Hazardous area classification	Not applicable
Type of explosion protection	Not applicable
Type of Ingress protection	IP 55
Reacceleration	Not Required
Diff. protection CT's	Required
CT specification	
colour shade	RAL 7032
Thermisters	Required
RTD	Required
BTD	Not Required
RTD/BTD monitoring device:	Not Required
Applicable Spec. No.-	

OPERATOR'S DATA

Coupling type	
Torque required	Starting
	maximum
GD ² of equipment Including flywheel	kgm ²
	excluding flywheel
	kgm ²
Maximum thrust	kg
Pulsation rate	
Starting condition	

ADDITIONAL DATA

Space heater - voltage & power	
Moment of inertia GD ²	kgm ²
DE/NDE bearing type & No.	
Type of Lubrication	
Type of main terminal box	
Type of neutral box	
No.of Terminals	

Weight of motor	kg
Thermistors	no
Make	
RTD	no.
Make	
BTD	no.
Make	
Shaft Voltage	V
Critical speed 1st./2nd stage	RPM
Canopy	Required
Fan rotation Design	Universal/Fixed/ Can be changed

Bid package eg. Open valve condition/closed valve

udy.

PW	RS	SG
Prepared	checked	Approved