
	Gujarat State Electricity Corporation Limited	
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	CIN: U40100GJ1993SGC019988 AN ISO-9001:2015&14001:2015 OHSMS 45001:2018 Certified Power Plant	

TECHNICAL BID

Subject: Supply of various ratings LT motor for 1 X 800 MW unit no.8, Wanakbori TPS.

Reference No.:- WTPS/S/TECH/RFQ-76401E/EMD-8

Sr. No.	Description of materials with details of Specifications	HSN CODE	GST Rate With Cess If Any IN %	Quantity Required	UOM
1	3 PHASE, 415 V, 50 HZ, 110 KW, FRAME: 315S, 1485 RPM, INSULATION: CLASS F, MOUNTING: B3, S1 DUTY, SQUIRREL CAGE INDUCTION MOTOR			1	Number
2	3-PHASE 415 VOLT SQUIRREL CAGE HORIZONTAL INDUCTION MOTOR MAKE: BHARAT BIJLEE KW: 7.5, FULL LOAD AMPERE:13.2, RPM: 2935, INSULATION CLASS: F, FRAME: 132S.			1	Number
3	3 PHASE, 415 V, 50 HZ, 0.75 KW, FRAME: 71, 1400 RPM, INSULATION: CLASS F, MOUNTING: B3, S1 DUTY, SQUIRREL CAGE INDUCTION MOTOR			1	Number
4	TEFC, EFF-1 TYPE 3 PHASE 415 V SQUIRREL CAGE INDUCTION MOTOR , CAPACITY : 3.7 KW, F.L.CURRENT: 7.4A, RPM: 1440,INSULATION : CLASS-F ,FRAME SIZE: 112M , DUTY: S1, IP-55,HORIZONTAL FLANGE MOUNTED			1	Number
5	3 PHASE, 415 V, 50 HZ, 7.5 KW, FRAME: 132S, RPM: 2960, INSULATION: CLASS F, MOUNTING: V1, DUTY: S1, F/L CURRENT - 13.3 A, MAKE: BHARAT BIJLEE - SQUIRREL CAGE INDUCTION MOTOR			1	Number
6	3 PHASE, 415 V, 50 HZ, 3.7 KW, FRAME: 112M, 1450 RPM, INSULATION: CLASS F, MOUNTING: V1, S1 DUTY, SQUIRREL CAGE INDUCTION MOTOR			1	Number
7	3 PHASE, 415 V, 50 HZ, 0.25 KW, FRAME: 80, RPM: 930, INSULATION: CLASS F, MOUNTING: B5, DUTY: S1, MAKE: CG - SQUIRREL CAGE INDUCTION MOTOR			2	Number
8	415 VOLT 3 PHASE INDUCTION MOTOR,7.5 KW, 13.2 AMP, 2890 RPM, FRAME:NG 132S,, MAKE: CG, MOUNTING : HORIZONTAL			1	Number
9	3 PHASE, 415 V, 50 HZ, 0.18 KW, FRAME: 63, RPM: 1340, INSULATION: CLASS F, MOUNTING: B5,			1	Number

	DUTY: S1, MAKE: LAXMI HYDRAULIC SQUIRREL CAGE INDUCTION MOTOR				
10	3 PHASE, 415 V, 50 HZ, 22 KW, FRAME: 200 L, RPM: 978, INSULATION: CLASS F, MOUNTING: B3, DUTY: S1, MAKE: SIEMENS - SQUIRREL CAGE INDUCTION MOTOR			1	Number
11	MARATHON MAKE 1 PHASE, 78W, 230V, 50 HZ, 0.73A, RPM : 940/890/840, THERMALLY PROTECTED MOTOR WITH SHAFT EXTENSION AT BOTH DE/NDE SIDE			1	Number
12	VERTICAL 415 V ,22 KW;1470-RPM; MAKE-NGEF MOTOR			1	Number
13	3 PHASE, 415 V, 50 HZ, 0.75 KW, FRAME: E80, RPM: 2820, INSULATION: CLASS F, MOUNTING: B3, DUTY: S1, MAKE: CG - SQUIRREL CAGE INDUCTION MOTOR			1	Number
14	3-PH SQUIRAL CAGE INDUCTION MOTOR, 3 KW, 415V, 50HZ, 2865 RPM, 5.92 AMP,CONNECTION- DELTA FRAME SIZE- ND100L, DUTY-S1, IP-55, INSL-CLASS-F, Vertically flange mounted,BI-DIRECTONAL ROTATION			1	Number
15	415V 3PHASE INDUCTION MOTOR 0.75KW , 1.5A FRAME SIZE: G-DA80MG-A 1410RPM STAR CONN. IP55 DUTY-S1			1	Number
16	415V, 3 PHASE SQUIRREL CAGE INDUCTION MOTOR 1.5 KW, 3.4 AMP., 1400 RPM, FRAME SIZE : AMW90LZ4			1	Number
17	TEFC 415 V AC SQUIRREL CAGE INDUCTION MOTOR, KW: 0.75, 3 PHASE, RPM: 1450, FRAME: 80, HORIZONTAL FLANGE (IM B5)MOUNTING , IP65, , ENERGY EFFICIENT -CLASS 2.			1	Number
18	3 PHASE, 415 V, 50 HZ, 7.5 KW, FRAME: 132M, 1450 RPM, INSULATION: CLASS F, MOUNTING: V1, S1 DUTY, SQUIRREL CAGE INDUCTION MOTOR			1	Number
19	SQUIRREL CAGE INDUCTION MOTOR, 415V, 50HZ, 7.5KW, 1445-RPM, DUTY-S1, 14.85A, MOUNTING-B3, IP55, METHOD FOR STARTING-DOL, CLASS OF INSULATION-F			3	Number
20	3 PHASE, 415 V, 50 HZ, 37 KW, FRAME: 225S, RPM: 1470, INSULATION: CLASS F, MOUNTING: B3, DUTY: S1, MAKE: LHP - INDUCTION MOTOR			2	Number
21	3 PHASE, 415 V, 50 HZ, 0.37 KW, FRAME: 80, RPM: 2880, INSULATION: CLASS F, MOUNTING: B3, DUTY: S1, MAKE: BHARAT BIJLEE - MOTOR			2	Number
22	3 PHASE, 415 V, 50 HZ, 0.37 KW, FRAME: M2BAX71 MB-4, RPM: 1395, INSULATION: CLASS F, MOUNTING: B3, DUTY: S1, MAKE: ABB - MOTOR			1	Number
23	3 PHASE, 415 V, 50 HZ, 0.37 KW, FRAME: 71, RPM: 1390, INSULATION: CLASS F, MOUNTING: B3,			1	Number

	DUTY: S1, MAKE: SIEMENS - MOTOR				
24	SQUIRREL CAGE INDUCTION MOTOR, 415V, 50HZ, 1.5KW, 1445-RPM, DUTY-S1, 3.3A, MOUNTING-B35, IP55, METHOD FOR STARTING-DOL, FAN COOLED IC0141, CLASS OF INSULATION-F			2	Number
25	3 PHASE, 415 V, 50 HZ, 36 KW, FRAME: VD250MX, F.L. AMP: 67A, RPM: 985, INSULATION: CLASS F, IP55, MOUNTING: B3, DUTY: S4 (40% CDF), MAKE: MARATHON - TG HOIST MOTOR			1	Number
26	3 PHASE, 415 V, 50 HZ, 28.4 KW, FRAME: VD225M, F.L. AMP: 52.3A, RPM: 981, INSULATION: CLASS F, IP55, MOUNTING: B3, DUTY: S4 (40% CDF), MAKE: MARATHON - TG HOIST MOTOR			1	Number
27	3 PHASE, 415 V, 50 HZ, 3 KW, FRAME: LOHER DNGW-100LS.02M, RPM: 2895, INSULATION: CLASS F, MOUNTING: V1, DUTY: S1, MAKE: SIEMENS - MOTOR			2	Number
28	THREE PHASE INDUCTION MOTOR, Make: ABB, Type: E2BAF100LC4, IP55, Ins Cl: F, Duty: S1, 415Volt AC +/-10%, Frequency: 50Hz +/- 5%, 1450 RPM, 2.2kW, 3.0HP, 4.70 AMP, 0.78 pf, 84.30% Effi.Bearing: 6206-2Z/C3 & 6205-2Z/C3			1	Number
29	3 PHASE, 415 V, 50 HZ, 0.25 KW, FRAME: M2BAF071A-4, RPM: 1400, F.L. AMP - 0.9A, INSULATION: CLASS F, IP65, MOUNTING: V1, DUTY: S1, MAKE: ABB - MOTOR			1	Number
30	TEFC TYPE 3 PHASE SQUIRREL CAGE INDUCTION MOTOR, 0.37KW/0.5 HP, 415 VOLT, F.L. CURRENT 0.8 AMP, 50 HZ, 1415 RPM, FRAME SIZE 71, INSULATION CLASS: F, DUTY: S1, FOOT MOUNTED(B3).			2	Number
31	415V 3PHASE INDUCTION MOTOR 0.75KW , 1.5A FRAME SIZE: G-DA80MG-A 1410RPM STAR CONN. IP55 DUTY-S1			1	Number
32	LT VERTICAL MOTOR, 415 V, 0.37 KW, 1.07A,1410 RPM, STAR CONN, FRAME-GDA71SK-D,IP55, S1 DUTY, INS CLASS- F, CG MAKE			1	Number
33	SQUIRREL CAGE INDUCTION MOTOR, 415V, 50HZ, 7.5KW, 1445-RPM, DUTY-S1, 14.85A, MOUNTING-B3, IP55, METHOD FOR STARTING-DOL, CLASS OF INSULATION-F			1	Number
34	3 PHASE, 415 V, 50 HZ, 0.75 KW, FRAME: E80, RPM: 2820, INSULATION: CLASS F, MOUNTING: B3, DUTY: S1, MAKE: CG - SQUIRREL CAGE INDUCTION MOTOR			3	Number
35	3 PHASE INDUCTION MOTOR,1.5 KW,VOLTAGE:415±10%V,AMP:3.23AMP,RPM:1425, FRAME:ND90L,CONNECTION:STAR,INSULATION CLASS:F,IP:55,DUTY:CONTINUOUS(S1),VERTICAL FLANGE MOUNTING.			2	Number

36	AXIAL FAN MOTOR ,380 V, 50 HZ, 180 W, RPM: 1380, F.L. AMP - 0.47A, VARICOOL MAKE			1	Number
37	MOTOR FOR RO PUMP - 45 KW, 2950 RPM, FRAME: 225 M, 74 AMP., DELTA, MAKE: GRUNDFOS, FOOT MOUNTED, IE2			2	Number

DETAIL TECHNICAL SPECIFICATION

Item wise technical specification is attached in annexure-I

Annexure-I

	FTDT	ID SEELING FAN	MOT LEAKAGE OIL DRAIN PUMP	COT/ DOT	Central Oil Purifier & MOT - Separator Motor	Central Oil Purifier & MOT - Feed Motor	COC	GSC	APH soot blower motor	GIS AHU Motor
Item Sr No.	1	2	3	4	5	6	7	8	9	10
Make	Bharat Bijli	Bharat Bijli	BHARAT BULEE	BHARAT BULEE	BHARAT BULEE	BHARAT BULEE	Crompton greaves	CG	Laxmi hydraulic pvt ltd.	siemens
Type	Type: NFLP, 3 Ph TEFC, Squirrel Cage Induction Motor	Type: NFLP, 3 Ph TEFC, Squirrel Cage Induction Motor	Type: NFLP, 3 Ph TEFC, Squirrel Cage Induction Motor	Type: NFLP, 3 Ph TEFC, Squirrel Cage Induction Motor	Type: NFLP, 3 Ph TEFC, Squirrel Cage Induction Motor	Type: NFLP, 3 Ph TEFC, Squirrel Cage Induction Motor	Type: NFLP, 3 Ph TEFC, Squirrel Cage Induction Motor	Type: NFLP, 3 Ph TEFC, Squirrel Cage Induction Motor	TYPE-TEFC 3 phase	TEFC 3 phase
KW	110	7.5	0.75kW	3.7kW	7.5kW	3.7kW	0.25	7.5 kW	0.18KW	22KW
Frame	3155	1325	71	112M	1325	112M	80	NG1325	63	200L
Phases	3-Ph	3-Ph	3-Ph	3-Ph	3-Ph	3-Ph	3-Ph	3-Ph	3-Ph	3-Ph
Volts (AC, 50 Hz)	415 ± 10%	415 ± 10%	415 ± 10%	373-456 (415V)	415	373-456 (415V)	415± 10%	415 ± 10%	415 ± 10%	415 ± 10%
Frequency	50 Hz +/- 5%	50 Hz +/- 5%	50 Hz +/- 5%	50 Hz +/- 5%	50 Hz +/- 5%	50 Hz +/- 5%	50 Hz +/- 5%	50	50	50
FL Current (A)	188	13.2	1.74	7.46	13.3	7.46	0.97	13.2	0.56	42
Speed (RPM)	1485	2935	1405	1450	2960	1450	930	2890	1340	978
Power Factor	0.86	0.9	0.78	0.8	0.87	0.8	0.9	0.88	0.71	0.81
Connection	Delta	Delta	Star	Delta	Delta	Delta	Delta	Delta	Star	Delta
Duty	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1
Mounting	B3 (Horizontal foot mounted)	B3 (Horizontal foot mounted)	B3 (Horizontal foot mounted)	B3 (Horizontal foot mounted)	V1 (Vertical Flange mounted)	V1 (Vertical Flange mounted)	B5 (Horizontal flange mounted)	B3 (Horizontal foot mounted)	B5 (Horizontal flange mounted)	B3 (Horizontal foot mounted)
EM. Class	94.50%	88.10%	77.00%	86.30% (FL)	90.1% (IE3)	86.30% (FL)	60.00%	90.10% (IE3)	63.00%	90.90%
Amb. Temp.	50	50	50	50	50	50	50	50	50	50
Insulation. Class	F	F	F	F	F	F	F	F	F	F
Temp. Rise Class	B	B	B	B	B	B	B	B	B	B
Protection	55	55	IP55	IP55	IP55	IP55	55	IP55	IP55	IP55
Terminal Box Location	Top	Top	Top	Top	Body circumference	Body circumference	Top	Right side on outer body from DE side	Body circumference	TOP
Power cable size	2R - 3C X 240 Sq mm AL Cable	3C X 16 sq mm AL XLPE cable	3CX2.5sq.mm, No. of Gland Entry: 1	No. of Gland Entry: 1, 3C X 2.5 XLPE-Cu(A)	No. of Gland Entry: 3 out of which 2 for 4C X 6 sq.mm and 1 for 3C X 0.75 sq.mm	No. of Gland Entry: 2 suitable for 4C X 2.5 sq.mm	No. of gland entry:1Suitable for 2.5 sqmm	3C X 16 sq.mm, No. of Gland Entry: 1	No. of gland entry:1Suitable for 2.5 sqmm	3C X 35 sq.mm, No. of Gland Entry: 1
Ref. Standard	IEC 60034-1 ; IE2	EN 60034-1 & 5 ; IE2	IEC 60034-1 ; IE2	IS 325 IEC-60034-1	IEC 60034-1	IS 325 IEC-60034-1	IEC 60034-1	IEC 60034-1		
Bearings DE	6319/C3	6209 ZZ C3	6004-2Z-C3	6206-2Z	6208-2Z/ C3	6206-2Z	6204/11	62082ZC3		63122C3
Bearings NDE	6319/C3	6209 ZZ C3	6004-2Z-C3	6205-2Z	6208-2Z/ C3	6205-2Z	6203/11	63052ZC3	62012Z	63122C3
Cooling Fan material	Metallic	Metallic		Metallic	Metallic	Metallic	Metallic/Plastic	Metallic	Plastic	Metallic
Special Note	Greasing point required									Greasing point required

	AC Plant blower Motor	SEAL OIL VACUUM PUMP AIR SIDE	GENERATOR BRG. VAPOUR EXHAUST FAN	TDBFP Oil Purifier - Separator Motor	TDBFP Oil Purifier - Feed/ Booster Motor	TDBFP Drain Oil Motor	LPBP RC Motor	SUMP PUMP	Air Washery Unit - Centrifugal Motor	Air Washery Unit - Blower Motor
Item Sr No.	11	12	13	14	15	16	17	18	19	20
Make	MARATHON	CG	CG	CG	CG	CG	ABB	BHARAT BULEE	LHP	LHP
Type	permanently lubricated class B Insulation Capacitor-4/440V 29F GE823T	Type: NFLP, 3 Ph TEFC, Squirrel Cage Induction Motor	Type: FLP, 3 Ph TEFC, Squirrel Cage Induction Motor	Type: NFLP, 3 Ph TEFC, Squirrel Cage Induction Motor	Type: NFLP, 3 Ph TEFC, Squirrel Cage Induction Motor	Type: NFLP, 3 Ph TEFC, Squirrel Cage Induction Motor	Type: NFLP, 3 Ph TEFC, Squirrel Cage Induction Motor	Type: NFLP, 3 Ph TEFC, Squirrel Cage Induction Motor	3-Ph I.M Supremo	3-Ph I.M Supremo
kW	0.078kW	22kW	0.75kW	3.7kW	0.75kW	1.50kW	0.75kW	7.5kW	7.5kW	37kW, 4Pole
Frame		ND180L	E80	ND100L	GD80	NG90L	M2BAX80 MLA-4	132M	132M	225S
Phases	1-Ph	3-Ph	3-Ph	3-Ph	3-Ph	3-Ph	3-Ph	3-Ph	3-Ph	3-Ph
Volts (AC, 50 Hz)	230	415 ± 10%	415 ± 10%	415 ± 10%	415 ± 10%	415 ± 10%	415 ± 10%	373-456 (415V)	415 ± 10%	415 ± 10%
Frequency	50	50 Hz +/- 5%	50 Hz +/- 5%	50 Hz +/- 5%	50 Hz +/- 5%	50 Hz +/- 5%	50 Hz +/- 5%	50 Hz +/- 5%	50 Hz +/- 5%	50 Hz +/- 5%
FL Current (A)	0.73	38	1.67	6.8	1.7	3.6	2.05	14	15	63
Speed (RPM)	940/890/840	1465	2820	2875	1390	1435	1445	1450	1440	1470
Power Factor		0.86	0.81	0.88	0.77	0.7	0.85	0.85	0.77	0.87
Connection		Delta	Star	Delta	Star	Star	Star	Delta	Delta	Delta
Duty		S1	S1	S1	S1	S1	S1	S1	S1	S1
Mounting	double side shaft	V1 (Vertical Flange mounted)	B3 (Horizontal foot mounted)	V1 (Vertical Flange mounted)	V1 (Vertical Flange mounted)	B3 (Horizontal foot mounted)	B5 (Horizontal flange mounted)	V1 (Vertical Flange mounted)	B3 (Horizontal foot mounted)	B3 (Horizontal foot mounted)
EM. Class		93% (IE3)	77% (FL)	85.50% (IE2)	79.80%	82.80% (IE2)	82.5% (IE3)	87.50%	90.4% (FL)	93.90%
Amb. Temp.		50	45	50	50	50	50	50	50	50
Insulation. Class		F	F	F	F	F (Temp. Rise 70C)	F	F	F	F
Temp. Rise Class	B	B	B	B	B	B	B	B	B	B
Protection	Thermally protected	IP55	IP55	IP55	IP55	IP55	IP55	IP55	IP55	IP55
Terminal Box Location	Not Applicable	Body circumference	Top	Body circumference	Body circumference	Top	Top	Body circumference	Right side on outer body from DE side	Left side on outer body from DE side
Power cable size		3C X 50 sq mm AL XLPE cable, No. of Gland Entry: 1	3C X 2.5 sq.mm, No. of Gland Entry: 1	No. of Gland Entry: 2 (Overall cable diameter approx. 10mm)	No. of Gland Entry: 1 (Overall cable diameter approx. 10mm)	No. of Gland Entry: 1 for 3C X 2.5 sq.mm	No. of Gland Entry: 1 for 3C X 2.5 sq.mm	No. of Gland Entry: 1 for 3C X 16 sq.mm	No. of Gland Entry: 1	No. of Gland Entry: 1
Ref. Standard		IEC60034-1; IE3	IEC 60034-1	IEC-60034-1	IS/ IEC-60034-1	IS/ IEC-60034-1	IEC 60034-1; IS 12615: 2011	EN 60034-1&5	IS 12615 IEC 60034	IS 12615 IEC 60034
Bearings DE		6310-ZZ	6304ZZ	6206-ZZ	6204ZZ	6205-ZZ/C3	6204-ZZ/C3	6208-ZZ/C3	6208 ZZ C3	6313 ZZ C3
Bearings NDE		6210-ZZ	6304ZZ	6205-ZZ	6003ZZ	6203-ZZ	6203-ZZ/C3	6208-ZZ/C3	6208 ZZ C3	6313 ZZ C3
Cooling Fan material						Fan Cooled – IC 411			TEFC (IC411)	TEFC (IC411)
Special Note	single phase motor with shaft extension at both end.		Frameproof Enclosure Ex "D" Group: IIA IIB Temperature class: T4					Wt: 57kg No. K1708284 MA13M4KS	Wt: 280 kg M/c. No. 1000736072	Wt: 280 kg M/c. No. 1000745110

	TDBFP OVEF	H2 Dryer Fan Motor	NaOH Dosing Motor	IAC/ SAC LOP Motor	TG HOIST MH MOTOR	TG HOIST AH MOTOR	OIL VAPOUR EXHAUST FAN (MAIN TURBINE)	CF RC MOTOR	HPBP FILTER MOTOR
Item Sr No.	21	22	23	24	25	26	27	28	29
Make	BHARAT BULEE	ABB	SIEMENS	SIEMENS	MARATHON	MARATHON	SIEMENS	SIEMENS	ABB
Type	2J0802AS, Type : FLP	Type: FLP, 3 Ph TEFC, Squirrel Cage Induction Motor	Type: NFLP, 3 Ph TEFC, Squirrel Cage Induction Motor	15E0096-4NA76	Type: NFLP, 3 Ph TEFC, Squirrel Cage Induction Motor	Type: NFLP, 3 Ph TEFC, Squirrel Cage Induction Motor	Type: FLP, 3 Ph IP65 Squirrel Cage Induction Motor	Type: NFLP, 3 Ph TEFC, Squirrel Cage Induction Motor	Type: NFLP, 3 Ph TEFC, Squirrel Cage Induction Motor
kW	0.37kW	0.37kW	0.37kW	1.5kW	36kW	28.4kW	3 kW	2.2kW	0.25kW
Frame	80	M2BAX71 MB-4	71	90L	VD250MX	VD225M	LOHER DNGW-100L5.02M	100L	M2BAF071A-4
Phases	3-Ph	3-Ph	3-Ph	3-Ph	3-Ph	3-Ph	3-Ph	3-Ph	3-Ph
Volts (AC, 50 Hz)	373-456 (415V)	415 ± 10%	415	415 ± 10%	415	415	415 ± 10%	415	415
Frequency	50 Hz +/- 5%	50 Hz +/- 5%	50	50 Hz +/- 5%	50	50	50 Hz +/- 5%	50	50
FL Current (A)	0.84	0.95	0.99	3.1	67	52.3	5.6	4.4	0.9
Speed (RPM)	2880	1395	1390	1430	985	981	2895	1441	1400
Power Factor	0.85	0.77	0.74	0.81	-	-	0.88	0.83	0.79
Connection	Star	Star	Star	Star	Delta	Delta	Delta	Delta	Delta
Duty	S1	S1	S1	S1	S4 (40% CDF)	S4 (40% CDF)	S1	S1	S1
Mounting	B5 (Horizontal flange mounted)	B3 (Horizontal foot mounted)	B3 (Horizontal foot mounted)	B35 (Horizontal Flange and Foot Mounted)	B3 (Horizontal foot mounted)	B3 (Horizontal foot mounted)	V1 (Vertical Flange mounted)	V1 (Vertical Flange mounted)	V1 (Vertical Flange mounted)
EM. Class	72.20% (IE2)	78.10%	70.10%	82.8% (IE2)	-	-	86.3% (IE2) @ 100 P[%] 87.1% (IE2) @ 75 P[%] 86.7% (IE2) @ 50 P[%]	84.30%	69.60%
Amb. Temp.	-20 C to 50 C	50	50	50	50	50			50
Insulation. Class	F	F	F (Temp. Rise 70K)	F (Temp. Rise 70K)	F	F	F	F (Temp. Rise 70K)	F
Temp. Rise Class	B						B		
Protection	IP55	IP55	IP55	IP55	IP55	IP55	IP65		IP65
Terminal Box Location	Top	Top	Top	Top			Body circumference	Body circumference	Body circumference
Power cable size	No. of Gland Entry: 1	No. of Gland Entry: 1	No. of Gland Entry: 1	No. of Gland Entry: 1	No. of Gland Entry: 1	No. of Gland Entry: 1	No. of Gland Entry: 1	No. of Gland Entry: 1 for 3C X 2.5 sq.mm	No. of Gland Entry: 1
Ref. Standard	IS/ IEC 60079		IS 12615 IEC 60034-1	IEC 60034-1 IS 12615	IS 325	IS 325	EN 60034/ EN 60079/ IEC 60079	IEC 60034-1	IS 325 IEC 60034-1
Bearings DE	6204 ZZ C3	6203 ZZ C3	6202-ZZ/C3			6313			6203-2RS/C3
Bearings NDE	6204 ZZ C3	6202 ZZ C3	6202-ZZ/C3			6313			6202-2RS/C3
Cooling Fan material									
Special Note	No. M1612541 Wt: 31kg Ex d I/ Ex d IIA, IIB, Flameproof	Flameproof	Wt: 9kg IE2 15E0073-4NB77 SDF/ 1612 30192222	Wt: 21kg SDF/ 1708 30328590	Wt: 450kg 6 Pole 150 S4/ Hr 40% CDF	Wt: 377kg 6 Pole 150 S4/ Hr M/C. No. 16563977VECP60001	3-MOT. NO. LDX/10010816, Made in Germany Flameproof	Wt: 28kg IE2 15E0 106-4NA81-2 1801 30405427	Wt: 11kg NO: 3G3J1512735686

	NH ₃ DOSING MOTOR	AGITATOR NH ₃	SCS GEAR MOTOR	COLTCS	Air Washery Unit - Monoblock Motor	Vacuum Pump RC Motor	HPBP Axial Fan Motor	CW - Booster Pump
Item Sr No.	30	31	32	33	34	35	36	37
Make	SIEMENS	SIEMENS	Radicon Powerbuild	SIEMENS	KIRLOSKAR BROTHERS LTD.	YIN YUAN ELECTRIC MACHINE CO.LTD.	VARICOOL	CG
Type	Type: NFLP, 3 Ph TEFC, Squirrel Cage Induction Motor	Type: NFLP, 3 Ph TEFC, Squirrel Cage Induction Motor	2HS1 073-0405-A00083	Type: NFLP, 3 Ph TEFC, Squirrel Cage Induction Motor	GMC-116	Type: NFLP, 3 Ph TEFC, Squirrel Cage Induction Motor	YWF4D-400S	Machine No. NADP100705
kW	0.37kW	0.75kW	0.37kW	7.5kW	0.75kW	1.5kW	180W	45kW
Frame	71	80	71	132M		YE2-90L-4		ND225M
Phases	3-Ph	3-Ph	3-Ph	3-Ph	3-Ph	3-Ph		3-Ph
Voltage (AC, 50 Hz)	415	415 ± 10%	415 ± 10%	415 ± 10%	415	415	380	415 ± 10%
Frequency	50	50 Hz +/- 5%	50 Hz +/- 5%	50 Hz +/- 5%	50 Hz	50 Hz	50 Hz	50 Hz
FL Current (A)	0.99	1.6	1.05	14	2.1	3.27	0.47	77
Speed (RPM)	1390	1411	1380 (Not legible)	1450	2700	1450	1380	2965
Power Factor	0.74	0.84	0.74	0.82				0.88
Connection	Star	Star	Star	Delta	Star	Star		Delta
Duty	S1	S1	S1	S1	S1	S1		S1
Mounting	B3 (Horizontal foot mounted)	V1 (Vertical Flange mounted)	V1 (Vertical Flange mounted)	B3 (Horizontal foot mounted)	B3 (Horizontal foot mounted)	V1 (Vertical Flange mounted)	Axial Fan Motor	B3 (Horizontal foot mounted)
Eff. Class	70.10%	79.60%	66.00%	88.70%	38%			92.90%
Amb. Temp.	50	50	50	50				50
Insulation Class	F (Temp. Rise 70K)	F (Temp. Rise 70K)	F	F (Temp. Rise 70K)	B			F
Temp. Rise Class								B
Protection	IP55	IP55	IP55	IP55	IP44			IP55
Terminal Box Location	Top	Body circumference	Body circumference	Top	Right side on outer body from DE side			Right side on outer body from DE side
Power cable size	No. of Gland Entry: 1	No. of Gland Entry: 1	No. of Gland Entry: 1	No. of Gland Entry: 1	No. of Gland Entry: 1			03C X 070 XLPE-AI(A) FRLS (1.1 kV)
Ref. Standard	IS 12615 IEC 60034-1	IS 12615 IEC 60034-1		IS 12615 IEC 60034-1	IS: 9079			IEC 60034-1; IE2
Bearings DE	6202-2Z/C3	6204-C3	6202-2Z					6313-2Z
Bearings NDE	6202-2Z/C3	6204-C3	6202-2Z					6213-2Z
Cooling Fan material					Sr. No. A19ED8001069			Metallic
Special Note	Wt: 9kg IE2 1SE0073-4NB77 SDF/ 1612 30192225	Wt: 15kg IE2 1SE0083-4NA77 SDF/ 1611 30184622	3-Ph I.M. EFF2 Encl: TEFC Sr. No. 0417 M 7237X3	IE2 Wt: 55kg 1SE0133-4NA80 SDF/ 1706 30294286		KENFLO KG65-50/16, 1450 RPM 1.5KW, 69 KG 32 m ³ /h	TECCON SERVICES PVT. LTD. HEAT EXCHANGER MODEL: TAOC 5K VARICOOL YWF4D-400S AXIAL FAN MOTOR 380V, 50Hz, 0.47A 180W, 1380RPM CL. B	MTG B3 CONN DIAG 302 WT 357 KG Half-key balanced REF RCAM0777

Common specification:- **(Common Specifications may differ as specified in annexure-I)**

1. Motor body enclosure material must be cast iron only. This office may test same at metallurgy Lab, if required.
2. Motor winding shall be Vacuum Pressure Impregnation (VPI).
3. 3 Phase Squirrel cage induction motor, Enclosure-TEFC.
4. Rated volt with permissible variation = 415+10%.
5. Rated freq. with permissible variation = 50 (+5% to -5%).
6. Ambient temperature: 50deg.
7. Insulation class F & temperature rise limited to class B, Duty S1, Method of cooling IC411.
8. Method of starting - DOL, Eff. Class IE2 as per IS 12615:2018.
9. Fault withstand 50KA for 0.25 sec, permissible start - 2 in hot / 3 in cold condition.
10. Detachable non segregated Motor TB, heavy duty tinned copper lug at Motor lead.
11. Paint shade smoke grey 692.
12. Applicable standard: IEC 60034-1.

Delivery Period: The entire supply is to be delivered within 08 months from date of Letter of Intent (LOI).

Notes to Bidder

- 1) Party has to strictly supply motor as mentioned below make only:
 - a) For item Sr No: 1 to 6, 18 & 21 M/s Bharat Bijli make only.
 - b) For item Sr No: 7,8, 12 to 16,37 M/s CG make only.
 - c) For item Sr No: 9,19,20 M/s LHP make only.
 - d) For item Sr No: 10,23,24,27,28,30,31,33 M/s SIEMENS(Innomatics)make only.
 - e) For item Sr No: 11, 25, 26 M/s MARATHON make only.
 - f) For item Sr No: 17, 22, 29 M/s ABB make only.
 - g) For item Sr No: 32 M/s Radicon Power build make only.
 - h) For item Sr No: 34 M/s KIRLOSKAR BROTHERS LTD. make only.
 - i) For item Sr No: 35 M/s YIN YUAN ELECTRIC MACHINE CO.LTD. make only.
 - j) For item Sr No: 36 M/s VARICOOL make only.

(Being a specific requirement and location surrounding criteria, Make shall be as mentioned against item Sr No.)

- 2) Party has to submit technical data sheet and dimensional drawings of offered motors along with technical bid. The bid received without technical details & dimensional drawings may be liable for rejection.
- 3) Party has to submit the Interchangeability / Retro fitment certificate and Guarantee Certificate along with the Supply i.e. the supplied motor must be functionally and dimensionally one to one replaceable with our existing motor without any modification.
- 4) Party other than OEM has to attach the valid & latest authorization certificate along with the technical bid.
- 5) Party other than OEM / Authorized dealer has to submit original purchase proof from OEM/OES along with supply of motor.
- 6) The supplied motors must confirm to all latest applicable IS and IEC standards for 3-Phase Squirrel Cage Induction Motors whichever is applicable.
- 7) The supplied motors should be tested as per latest IS/IEC standard and Party have to submit all the relevant test certificate, motor data sheet, Speed v/s Torque, Current characteristic, Load V/s Effi., PF chart, Starting Current v/s Thermal withstand time etc. along with supply.
- 8) Party has to submit the successfully executed past order copies of same/similar supplied items at GSECL/NTPC/Other SEB along with technical bid.
- 9) Party has to accept the Payment Terms as per GSECL Standard Payment Terms.
- 10) Party should quote rates FOR: Main Store, WTPS. P&F and freight charges shall be mentioned separately.
- 11) If required, party may visit the wanakbori TPS site during any working day before submitting offer.
- 12) Kindly consider items detail description (Annexure-I) as shown in notes.
- 13) The Party has to furnish the Guarantee for the supplied motors for the period of 12 months from the date of commissioning or 18 months from the date of supply whichever is earlier.

Chief Engineer (C&O)
GSECL, WTPS

DECLARATION FORM

ON LETTER HEAD OF SUPPLIER

Subject: Supply of various ratings LT motor for 1 X 800 MW unit no.8, Wanakbori TPS.

Reference No.:- WTPS/S/TECH/RFQ-76401E/EMD-8

1. I/We hereby declare that I/We have carefully & thoroughly studied the entire tender placed on the website and General terms & conditions, technical specification, PQR and other documents of the tender mentioned under reference along with the Commercial terms and conditions.
2. I/We hereby confirm and certify that the offer submitted by me/us is strictly in accordance with the GSECL's Tender specifications, Guaranteed Technical Particulars and drawing as mentioned in the Tender Specifications. There is no commercial or Technical deviation (except the deviations shown in respective Annexure-12 of Technical Deviations of this tender document) in the offer from the Board's Tender Specification. I undertake to abide by the GSECL's Technical specification / Guaranteed Technical Particulars / Drawing, I undertake to supply materials strictly as per the GSECL's Technical specification / Guaranteed Technical Particulars / Drawing, even if any technical deviations are mentioned by me. I also undertake to abide by all commercial conditions of the GSECL, including delivery schedule. I have submitted all the annexure-1 to 15, form of integrity pact etc along with the technical Bid dully filled along with all the details"
3. I / We, hereby declare that our Technical Bid is strictly in line with the Tender specifications (except the deviations shown in Annexure-12 of Technical Deviations of this tender document).
4. I / We also agree that additional conditions / deviations, if any, found in the Commercial terms & conditions (except the deviations shown in Annexure-12 of Technical Deviations of this tender document) our offer shall be out rightly rejected without assigning any reason thereof.
5. I/We hereby abide to execute the contract agreement & submitted the same along with the acceptance of LOI and the same will be acceptable to me/us.
6. I/We hereby accept and confirm that any dispute on this regard shall not be entertained by the tender inviting authority.
7. The full value of the "Earnest Money Deposit" paid herewith should be absolutely forfeited to the Corporation, should I/ we do not deposit the specified amount of specified Security Deposit within 10 Days from receipt of the Letter of Intent.
8. If, I fail to submit all required documents with application or tender copy (in each tender) then my tender will be cancelled, which is binding to me.
9. I/We _____
authorized signatory of M/s _____ here by
certify that M/s _____ and their
proprietor / any partner / any directors of the firm is not stop deal and / or banned for business
dealing and / or black listed by GUVNL and / or their any subsidiary company viz. GSECL /
GETCO / DGVCL / MGVCCL / UGVCL / PGVCL as well as Government and / or Semi
Government company / department.
10. We here by confirm that we have not stake in one or more other agencies / bidders who are
participating in same tender and if it is found that the submitted information / declaration are
wrong in the tender / enquiry as stated in tender terms, than we will be disqualified
automatically & it will be accepted to us. EMD / SD will be forfeited. More over if GSECL shall
take stern action including stop dealing with our firms which is also accepted to us

Seal of the Firm

Place:

Date:

Signature of the Tenderer with Designation.

[On Company's Letter Head]

Annexure – 13

(Require for Price Justification, if Necessary)

(UNDERTAKING IN REGARD TO QUOTED PRICE)

(All Bidders will have to furnish the following undertaking duly filled in, for all the quoted items/works of the tender along with online Technical Bid)

Ref.: Tender No..... / Gem Bid. No.

We, the undersigned, hereby declare and undertake that we have not accepted or executed any Letter of Acceptance (LOA) or Purchase Order (PO) at a unit ex-works price/any work at rate lower than the rate offered in this tender in any station of GSECL/GUVNL/ & Subsidiaries/ CPSU / SPSU/IPP etc. during the period from six (6) months prior to two (2) months after the bid submission date of this tender.

We also understand that LOA / Purchase Order placed by any station of GSECL/GUVNL Subsidiaries/ CPSU/SPSU/IPP etc. on the basis of above undertaking shall not be considered as 'offered' price for the tender items in subsequent tender, if it is not within period mentioned above.

I/We accept above undertaking.

Seal of the Firm

**Signature of the Tenderer
With Designation**

Place:

Date:

<On the letterhead of the vendor/ payee>

To,

Date : _____

**Subject : Declaration for TDS/TCS under the Income Tax Act (IT Act)
w.e.f.01/07/2021**

Reference : Provisions of S. 206AB/ 206CCA/139AA of the IT Act

Dear Sirs,

This is with reference to the determination of appropriate Tax deduction at source (TDS) or Tax collected at source (TCS) as per the provisions of the Act i.e. Section 206AB/ 206CCA/139AA of the IT Act. In relation to the said provision of the Act: I / We, having status of <<mention status i.e. Individual/Company/ Firm etc.>> hereby declare and confirm that: -

- a) I/We have<<mention PAN>>Permanent Account Number (PAN) under the IT Act.(Copy of PAN card is enclosed herewith.)
- b) I/We have linked / will be linking Aadhar number with PAN as required under section 139AA (2) read with Rule 114AAA.latest by 30th June 2021.
- c) I/We have/have not filed income tax returns (ITR) for two previous years immediately prior to the year in which tax is required to be deducted and for which last date of filing of income tax return is expired u/s139(1) of the Act.

I/ We am/ are hereby attaching a copy of acknowledgment of ITR filed for any one of previous two financial years of which due date u/s139(1) is expired, as proof of filing ITR. *(Strike out full sentence if not filed IT returns)*

- d) The aggregate amount of Tax Deductible at Source (TDS) and Tax Collectible at Source (TCS) exceed/don't exceed Rs. 50,000 or more in each of the two aforesaid previous years in my/our case *(Vendor has to provide the extract of its Form 26AS if copy of ITR is not provided as above)*
- e) I/ We shall, indemnify the Company for any consequences arising out of any acts of commission or omission including incorrect declaration basis which the Company would act upon.
I/We agree that Company shall determine applicability of section 206AB/206CCA of the IT Act based on the aforesaid declaration/documents filed by me/us and would deduct TDS/TCS accordingly. The decision of Company shall be final and acceptable to me/us. Strikeout whichever is not applicable.

Thanking you,
Yours faithfully,

<<Signature>>

< Full Name of Vendor & seal >