

SCHEDULE FOR THE SUPPLY,INSTALLATION,TESTING AND COMMISSIONING OF PANEL BOARD INCLUDING MACHINE WIRING AND INSTALLATION AND INTEGRATION OF INSTRUMENTS AND CONTROLS

Sl.No.	Item			Unit	Qty.
I.	Supply of Panel Board size 1.85x0.55x0.4MTR made with 1.6MM Powder coated CRCA Sheet			Nos	1
II.	Supply and Installation of Contactor				
	Recommended make :L&T,Seimens,Moller, AB/GE/FUJI				
	Contactor Type	Specification	Contactor name as per SLD		
1	DIL M 95- Moeller or equivalent model from recommended makes	3pole 450volts, 95A, 230V-coil, din-rail mounting	C1 & C4	Nos.	2
2	DIL M40-Moeller or equivalent model from recommended makes	3pole 450volts, 40A 230V-coil, din-rail mounting	C2,C3, C5, C6,C7,C8,C9,C10,C11,C12,C13,C14,C16,C17,C18, C19,C20,C21,C22	Nos.	19
3	DIL M25-Moeller or equivalent model from recommended makes	3pole 450volts, 25A230V-coil, din-rail mounting	C15,C23,C24,C25,C26,C27,C28,C29,C30,C31, C32	Nos.	11
III.	Supply and Installation of Switches				
	Recommended make :L&T,Seimens,Moller, AB/GE/FUJI				
1	Rotary switch(ON/OFF)	450V,15A	SW1-SW30	Nos.	30
2	Push switch(ON/OFF)	450V,5A,22.5mm OD	PS1-PS10	Nos.	10
3	Emergency stop switch	230V,5A,22.5mm OD	ES1-ES15	Nos.	15
IV.	Supply & Installation of Trivector Meter				
1	Capable of measuring KVA,KW,KVAR,V,A,P,F and related electrical parameters with appropriate CTs and PTs.Recommended make :- Consrve,L&T,Secure,Rishab			Nos.	1
V.	Supply & Installation of MCCB				
	Recommended make :L&T,Seimens,Moller, AB/GE/FUJI				
	MCCB Type	Specification	Name		
1	LZM2- Moeller or equivalent model from recommended makes	In - 200A,3 Pole,450 Volts ,CAT-B	ain Incomer MCCB	Nos.	1
2	LZMN1- Moeller or equivalent model from recommended makes	In -160A,3 Pole,450 Volts ,CAT-A	160 A MCCB-A	Nos.	2

Sl.No.	Item		Unit	QTY.
VI.	Supply & Installation of MCB			
	Recommended make :L&T,Seimens,Moller, AB/GE/FUJI			
1	C12ON-Moeller or equivalent model from recommended makes	In-120A,3Pole, 450Volts	120A MCB	Nos. 2
2	C32-	In-32A,3Pole,450 Volts	32A MCB	Nos. 10
3	C20	In-20A,3Pole,450Volts	20A MCB	Nos. 16
4	C10	In-10A,3Pole,450Volts	10A MCB	Nos. 10
5	C6	In-6A, 3Pole, 450 Volts	6A MCB	Nos. 6
VII.	Supply & Installation of Motor CB			
	Recommended make :L&T,Seimens,Moller, AB/GE/FUJI			
1	5A-Moeller MPCB with ROM	5A, 3Pole,450 Volts	5A MPCB	Nos. 4
2	1.6A-Moeller MPCB with ROM	1.6A,3Pole,450Volts	1.6A MPCB	Nos. 12
	1A, Moeller MPCB with ROM	1A,3Pole,450Volts	1A MPCB	Nos. 12
VIII.	Supply & Installation of Temperature Controller			
	Recommended make:- Autonics/Shinko/Omron/Hanyong/Fuji/GE			
1	Autonics TC4S- 14R,240V,50Hz,TC/RTD sensor		TC-1 to TC-16	Nos. 16
IX.	Supply & Installation of RTD Sensor			
1	PT 100-3 WIRE Class 2			Nos. 16
X	Supply of Water Level Controller			
1	Float switch/Level switch	Float switch,Flange Type fixing,SS Make 230V,50Hz		Nos. 1
XI	Supply of Latex Level Controller (PID)			
1	Capacitive proximity switch Omron,E2k-C25 MF1	24Volt	Omron,180mm	Nos. 2
2	Air solenoid valve 5 port two way valve,Make Festo MFH series	24Volt		Nos. 2

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XII. Supply of Latex Temperature Controller (PID)			
1	Water solenoid valve, Make ASCO	230Volt, 1/2"	Nos. 3
XIII. Supply & Installation of Variable Frequency Controller:-			
1	Allen Bradley Power flex 4AC series	3.7KW, 480V, 50Hz	VFD Nos. 1
XIV. Supply & Installation of Air Solenoid Valve:-			
Recommended make:- Festo, CKD/Fuji/GE			
1	Festo MFH3-1/8 with suitable poly urethane tube(100mtr)	24VDC	Nos. 2
XV. Supply & Installation of Junction box:- (Material : Bakelite)			
1	150X75X100MM		Nos 18
2	110X110X55MM		Nos 18
3	250X200X100MM		Nos 3
4	110X160X80MM		Nos 8
5	200X150X80MM		Nos 3
XVI. Supply & Installation of Connectors:-			
1	Connector 3 Pole, 5A		
XVII. Supply & Installation of Cables:-			
1	3x1.5 sq mm Cu cable	PVC Sheath	inox/Gloster/Nicc Mtr. 400
2	4x2.5 sq mm heat resistant Cu cable	PVC Sheath	inox/Gloster/Nicc Mtr. 200
3	5 x 2.5 sq mm Cu cable	PVC Sheath	inox/Gloster/Nicc Mtr. 400
4	3 x 1 sq mm Cu shielded cable	PVC Sheath	inox/Gloster/Nicc Mtr. 400
5	3 x 2.5 sq mm heat resistant Cu cable	PVC Sheath	inox/Gloster/Nicc Mtr. 100
6	4 x 1.5 sq mm Heat resistant Cu cable	PVC Sheath	inox/Gloster/Nicc Mtr. 400

HLL LIFECARE LIMITED
CENTRAL ENGINEERING DIVISION
(A GOVT. OF INDIA ENTERPRISE)
PEROORKADA. P.O, TRIVANDRUM 695 005
IFB No.: HLL/CED/CON-AUG/SITC/PANEL BOARD/WIRING/BTADL CDM/2013
DATE : 17-10-2013
Quantity : 2 SETS

PRICE PARTICULARS	PER UNIT (IN
BASIC PRICE FOR ON LINE TUMBLER VULCANISING SYSTEM.	
BASIC PRICE FOR CONTROL UNIT FOR PRODUCT SENSING AND SYNCHRONISATION	
Excise DUTY (% to be furnished)	
CESS ON EXCISE DUTY	
CST/VAT (% to be furnished)	
Freight	
Insurance	
INSTALLATION CHARGES	
OTHERS, IF ANY (please specify)	
GROSS AMOUNT FOR TWO SETS	
(Rupees..... ..)	
N.B The quantity mentioned in BOM is for one machine and the party shall quote for two machines. I agreed to supply the material and do the work as per the schedule at the rates quoted by me as above and terms and r conditions of the tender	
SIGNATURE OF THE PARTY	