

**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	Quantity
I.	Supply of Panel Board size 1.85x0.55x0.4MTR made with 1.6MM Powder coated CRCA Sheet		Nos	1
<b>II. Supply and Installation of Contactor</b>				
Recommended make :L&T,Seimens,Moller, AB				
	Contactur Type	Specification	Contactur 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
<b>III. Supply and Installation of Switches</b>				
Recommended make :				
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
<b>IV. Supply &amp; Installation of Trivector Meter</b>				
1	Capable of measuring KVA,KW,KVAR,V,A,P,F and releated electrical parameters with appropriate CTs and PTs.Recommended make :-Consrve,L&T,Secure,Rishab		Nos.	1
<b>V. Supply &amp; Installation of MCCB</b>				
Recommended make : L & T, Siemens,Moeller, AB				
	MCCB Type	Specification	Name	
1	LZM2- Moeller or equivalent model from recommended makes	In - 200A,3 Pole,450 Volts ,CAT-B	Main Incomer MCCB-B	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
<b>Sl.No.</b>	<b>Item</b>		<b>Unit</b>	<b>Quatity</b>

Sl.No.	Item	Unit	Quantity
<b>VI. Supply &amp; Installation of MCB</b>			
Recommended make : L & T, Siemens, Moeller, AB			
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
<b>VII. Supply &amp; Installation of Motor CB</b>			
Recommended make : L & T, Siemens, Moeller, AB			
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
<b>VIII. Supply &amp; Installation of Temperature Controller</b>			
Recommended make:- Autonics, Shinko, Omron, Hanyong			
1	Autonics TC4S-14R, 240V, 50Hz, TC/RTD sensor	TC-1 to TC-16	Nos. 16
<b>IX. Supply &amp; Installation of RTD Sensor</b>			
1	PT 100-3 WIRE Class 2		Nos. 16
<b>X. Supply of Water Level Controller</b>			
1	Float switch/Level switch	Float switch, Flange Type fixing, SS Make 230V, 50Hz	Nos. 1
<b>XI. Supply of Latex Level Controller (PID)</b>			
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
<b>XII. Supply of Latex Temperature Controller (PID)</b>			
1	Water solenoid valve, Make ASCO	230Volt, 1/2"	Nos. 3
<b>XIII. Supply &amp; Installation of Variable Frequency Controller:-</b>			
1	Allen Bradley Power flex 4AC series	3.7KW, 480V, 50Hz VFD	Nos. 1
<b>XIV. Supply &amp; Installation of Air Solenoid Valve:-</b>			
Recommended make:- Festo, CKD			
1	Festo MFH3-1/8 with suitable poly urethane tube(100mtr)	24VDC	Nos. 2
<b>XV. Supply &amp; Installation of Junction box:- (Material : Bakelite)</b>			
1	150X75X100MM		Nos. 18
2	110X110X55MM		Nos. 18
3	250X200X100MM		Nos. 3
4	110X160X80MM		Nos. 8
5	200X150X80MM		Nos. 3
<b>XVI. Supply &amp; Installation of Connectors:-</b>			
1	Connector 3 Pole, 5A		
<b>XVII. Supply &amp; Installation of Cables:-</b>			
1	3x1.5 sq mm Cu cable	PVC Sheath Finolex/Gloster/Nicco	Mtr. 400
2	4x2.5 sq mm heat resistant Cu cable	PVC Sheath Finolex/Gloster/Nicco	Mtr. 200
3	5 x 2.5 sq mm Cu cable	PVC Sheath Finolex/Gloster/Nicco	Mtr. 400
4	3 x 1 sq mm Cu shielded cable	PVC Sheath Finolex/Gloster/Nicco	Mtr. 400
5	3 x 2.5 sq mm heat resistant Cu cable	PVC Sheath Finolex/Gloster/Nicco	Mtr. 100
6	4 x 1.5 sq mm Heat resistant Cu cable	PVC Sheath Finolex/Gloster/Nicco	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

**SUB : PRICE SCHEDULE FOR THE SUPPLY,INSTALLATION TESTING AND COMMISSIONING OF CONTROL PANEL BOARD INCLUDING MACHINE WIRING AND INSTALLATION OF CONTROLS FOR CONDOM DIPPING MACHINE AT HLL, IRAPURAM FACTORY**

PRICE PARTICULARS	PER UNIT (IN RS.)
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)	
<b>GROSS AMOUNT FOR TWO SETS</b>	
(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