

Project :Girls Learning Center

Work Location: Prithivinagar, Devchuli-10, Nawalparasi Bardhaghat Susta East

Work: Electrical works

**ABSTRACT COST SHEET**

Item No.	Description of Work	Quantity	Unit	Rate	Amount	Remark
	<b>ELECTRICAL WORKS</b>					
	<b>LT Panels [ Make - MCCB:Legrand DRX/Siemens/ Schneider (CVS) ; MCB: Siemens/ Legrand(RX3)/ Schnider(A9K); Fabricator - Tri-Shakti Metal, AVONE, and Annapurna]</b>					
<b>1</b>	<b>Main Distribution Panel ( MDP )</b>	<b>1</b>	<b>set</b>		<b>-</b>	<b>Total</b>
	Supply, delivery, installation, commissioning, and testing of Floor Mounted, Main Distribution Panel conforming IS: 8623 and IS: 13032 double door, powder coated enclosure (90-150microns), treated with seven (7) tank process with push-button lock, safety Arcilic Sheet Cover with a warning sign at exposed portion, DB name embossed in Metal tag, ferrule, Spreader, rotor handle in all incoming and outgoings and made of 1.6 mm metal sheet including Copper neutral bar, phase bar and earth bus bar with adequate space for incoming and outgoing cable with complete internal wiring, as per drawing, specification, and instruction all complete. The panel shall have a degree of protection of enclosure as per IS:13947-1993 [ Make - MCCB:Legrand DRX/Siemens/ Schneider (CVS) ; MCB: Siemens/ Legrand(RX3)/ Schnider(A9K); Fabricator - Tri-Shakti Metal, AVONE, and Annapurna] (Note: GA & Control drawing should be submitted and approved before fabrication; RCCB, ELCB, Isolator, Timer, SPD and Metering Unit should be of the same company as of Approved Switch Gear; Panel Fabricator shall have the CPRI Test of Panel, ISO 9001 and ISO 14001 Certificate)	1	nos		-	
	<b>Incoming</b>					
a	80A, 4P, TMA, MCCB, 25KA with shunt trip - Incommer	1	nos.		-	
b	80A, 4P Power Contactor (AC-3) with 230V Control Voltage	1	set		-	
c	Surge Protection Device (SPD), T1+T2 Iimp 12.5kA/pole and Imax 60kA/pole	1	set		-	
d	Panel Mounted Multifunctional Energy Meter with full range of parameters; ( Basic: VLL, VLN,A,F; Power: W,PF,VA; Energy Wh) with High Accuracy with class 1 as per IEC 62053-21 with RS458 serial channel communication and Modbus compatability	1	Nos.		-	
e	Auto/Manual Selector Switch	1	Set		-	
f	Protection Relay (OV, UV, Earth fault, Phase Unbalance, Phase failure & Phase Reverse)	1	set		-	
g	CT's, Class- 1.0, for Metering Resin Cast	1	set		-	
h	Indicator lamp with 0.5A MCB (for Phase Indication, ON, OFF, Trip Signals, Bus Coupler Contactor and where required )	1	set		-	
	<b>Outgoing</b>					
j	50A, 4P, TMA 0.8 to 1In, MCCB, 16KA, Icu=Ics=100%	1	nos		-	
k	40A, 4P, TMA 0.8 to 1In, MCCB, 16KA, Icu=Ics=100%	5	nos		-	
l	32A, 4P, TMA 0.8 to 1In, MCCB, 16KA, Icu=Ics=100%	6	nos		-	
m	25A, 4P, TMA 0.8 to 1In, MCCB, 16KA, Icu=Ics=100%	2	nos		-	
<b>2</b>	<b>UPS Distribution Box (UPS-DB)</b>	<b>1</b>	<b>set</b>		<b>-</b>	<b>Total</b>
	<b>Incoming</b>					
a	32A, Changover Switch, Two Pole Two Way Centre Off 400V AC	1	nos		-	
b	Modular Single Indicators (Orange), 1Module	1	set		-	
	<b>Outgoing</b>					
c	25A DP MCB , C-Curve, 10KA, Icu=Icn=100%	6	nos		-	
d	6/10A SP MCB, C-Curve, 10KA, Icu=Icn=100%	4	nos		-	
<b>3</b>	<b>DB-ADMIN-GF</b>	<b>1</b>	<b>set</b>		<b>-</b>	<b>Total</b>
	<b>Section A</b>					
	<b>Incoming</b>					
a	25A, 4P, MCB, C-Curve, 10KA, Icu=Icn=100%	1	nos		-	
c	Modular Single Indicators (Red+Yellow+Blue), 1Module	1	set		-	
	<b>Outgoing</b>					
d	16/20A SP MCB , C-Curve, 10KA, Icu=Icn=100%	8	nos		-	
e	6/10A SP MCB, C-Curve, 10KA, Icu=Icn=100%	6	nos		-	
	<b>Section B</b>					
	<b>Incommer</b>					
f	20A DP MCB , C-Curve, 10KA, Icu=Icn=100%	1	nos		-	
g	Modular Single Indicators (Orange), 1Module	1	set		-	
	<b>Outgoings</b>					
h	6/10A SP MCB, C-Curve, 10KA, Icu=Icn=100%	7	nos		-	
<b>4</b>	<b>DB-ADMIN-1F</b>	<b>1</b>	<b>set</b>		<b>-</b>	<b>Total</b>
	<b>Section A</b>					
	<b>Incoming</b>					
a	25A, 4P, MCB, C-Curve, 10KA, Icu=Icn=100%	1	nos		-	
c	Modular Single Indicators (Red+Yellow+Blue), 1Module	1	set		-	
	<b>Outgoing</b>					
d	16/20A SP MCB , C-Curve, 10KA, Icu=Icn=100%	10	nos		-	
e	6/10A SP MCB, C-Curve, 10KA, Icu=Icn=100%	6	nos		-	
	<b>Section B</b>					
	<b>Incommer</b>					
f	20A DP MCB , C-Curve, 10KA, Icu=Icn=100%	1	nos		-	
g	Modular Single Indicators (Orange), 1Module	1	set		-	
	<b>Outgoings</b>					

h	6/10A SP MCB, C-Curve, 10KA, Icu=Icn=100%	10	nos		-	
<b>5</b>	<b>DB-HALL-GF</b>	<b>1</b>	<b>set</b>		<b>-</b>	<b>Total</b>
	<b>Section A</b>					
	<b>Incoming</b>					
a	32A, 4P, MCB, C-Curve, 10KA, Icu=Icn=100%	1	nos		-	
c	Modular Single Indicators (Red+Yellow+Blue), 1Module	1	set		-	
	<b>Outgoing</b>				-	
d	16/20A SP MCB, C-Curve, 10KA, Icu=Icn=100%	9	nos		-	
e	6/10A SP MCB, C-Curve, 10KA, Icu=Icn=100%	6	nos		-	
	<b>Section B</b>					
	<b>Incommer</b>					
f	20A DP MCB, C-Curve, 10KA, Icu=Icn=100%	1	nos		-	
g	Modular Single Indicators (Orange), 1Module	1	set		-	
	<b>Outgoings</b>				-	
h	6/10A SP MCB, C-Curve, 10KA, Icu=Icn=100%	8	nos		-	
<b>6</b>	<b>DB-HALL-1F</b>	<b>1</b>	<b>set</b>		<b>-</b>	<b>Total</b>
	<b>Section A</b>					
	<b>Incoming</b>					
a	32A, 4P, MCB, C-Curve, 10KA, Icu=Icn=100%	1	nos		-	
c	Modular Single Indicators (Red+Yellow+Blue), 1Module	1	set		-	
	<b>Outgoing</b>				-	
d	16/20A SP MCB, C-Curve, 10KA, Icu=Icn=100%	12	nos		-	
e	6/10A SP MCB, C-Curve, 10KA, Icu=Icn=100%	8	nos		-	
	<b>Section B</b>					
	<b>Incommer</b>					
f	20A DP MCB, C-Curve, 10KA, Icu=Icn=100%	1	nos		-	
g	Modular Single Indicators (Orange), 1Module	1	set		-	
	<b>Outgoings</b>				-	
h	6/10A SP MCB, C-Curve, 10KA, Icu=Icn=100%	8	nos		-	
<b>A</b>	<b>LT FEEDER CABLES</b>					
<b>7</b>	<b>10sq. mm, 4C, Cu, UAR, PVC Insulation, Power Cable + 6 sq mm earthing in DWC HDPE</b>	<b>40</b>	<b>mtr</b>		<b>-</b>	
<b>8</b>	<b>6sq. mm, 4C, Cu, UAR, PVC Insulation, Power Cable + 4 sq mm earthing in DWC HDPE</b>	<b>40</b>	<b>mtr</b>		<b>-</b>	
<b>9</b>	<b>6sq. mm, 3C, Cu, UAR, Flexible, PVC Insulation, Power Cable (UPS to UPS DB)</b>	<b>25</b>	<b>mtr</b>		<b>-</b>	
<b>10</b>	<b>4sq. mm, 3C, Cu, UAR, Flexible, PVC Insulation, Power Cable</b>	<b>80</b>	<b>mtr</b>		<b>-</b>	
						<b>Total A</b>
					<b>-</b>	
<b>B</b>	<b>Outlets [Switch &amp; Outlets Make:- Legrand Myrius Nextgen]</b>					
<b>11</b>	<b>20A, 2 Modular, 3 pin round universal socket shuttered with switch (For AC)</b>	<b>12</b>	<b>nos</b>		<b>-</b>	
<b>12</b>	<b>16 A, 2 Modular, 3 pin round universal socket shuttered with switch</b>	<b>46</b>	<b>nos</b>		<b>-</b>	
<b>13</b>	<b>6/10/13A, 2 Modular, 3 pin Multistandard Power socket shuttered with switch</b>	<b>101</b>	<b>nos</b>		<b>-</b>	
<b>14</b>	<b>16 A 3 pin round universal power socket shuttered with switch including, IP 55, 3M Box</b>	<b>4</b>	<b>nos</b>		<b>-</b>	
	<b>Total B</b>				<b>-</b>	
	<b>Total</b>				<b>-</b>	
	<b>VAT (13%)</b>				<b>-</b>	
	<b>Grand Total</b>				<b>-</b>	

**Suppliers/Service Provider**

Supplier's Name:

Signature:

Address:

Name:

PAN/VAT\*:

Designation:

Stamp:

Contact number:

Date: