

## Detailed Estimate

**OD/361/3452/119460/386089/00069085 : Repair & Maintenance of Pragati Higher Secondary School, Maidankel**  
**Block : Kendujhar Sadar, Gram Panchayat : Maidankel**  
**Created By:Kandarpa Palei**

<b>1. Dismantling (AR1603) : Dismantling brick or stone masonry under 3m.</b>								
Dismantling brick or stone masonry in lime or cement mortar under 3m. height including stacking the useful materials for reuse and removing the debris within 50m. Lead and as per direction of Engineer-in-Charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	For base plate grotting	2.000	2.000	0.830	0.830	0.000	2.756	-
ii	Parapet wall	2.000	9.250	0.830	0.580	0.000	8.906	-
Total Quantity					11.6615 Cft (Cubic Foot)		0.3302163632 Cum (Cubic Meter)	
Amount					0.3302163632 X 1401.5088339223		462.80	
<b>2. Dismantling (AR1616) : Dismantling G.C.I. or A.C. sheet roofing</b>								
Dismantling G.C.I. or A.C. sheet roofing after carefully removing the bolts and nuts including stacking of he materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Building (AC sheet roof)	1.000	22.500	10.000	0.000	0.000	225.000	-
ii		1.000	22.500	17.500	0.000	0.000	393.750	-
Total Quantity					618.75 Sft (Square Foot)		57.48373125 Sqm (Square Meter)	
Amount					57.48373125 X 90.519892473118		5203.42	
<b>3. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure</b>								

Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm<sup>2</sup> with dimensional tolerance  $\pm 8$  percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Long wall	2.000	21.660	0.830	0.580	0.000	20.854	-
ii	Short wall	2.000	9.250	0.830	0.580	0.000	8.906	-
iii	Parapet wall	2.000	9.250	0.830	0.580	0.000	8.906	-
iv	Pillar	2.000	1.250	0.830	0.580	0.000	1.204	-
Total Quantity					39.869548 Cft (Cubic Foot)		1.1289780168064 Cum (Cubic Meter)	
Amount					1.1289780168064 X 5255.467832576		5933.31	

#### 4. Iron Work (AR1703) : Iron work wrought and put up in trusses and record racks

Iron work wrought and put up in trusses and record racks including all cost of labour, material, machinery and T & P required for the work etc. as per direction of Engineer-in-Charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Truss (50*50*2.9mm) Square hollow pipe	1.000	5.200	0.000	0.000	4.120	21.424	-
ii		1.000	0.900	0.000	0.000	4.120	3.708	-
iii		1.000	3.200	0.000	0.000	4.120	13.184	-
iv		1.000	5.400	0.000	0.000	4.120	22.248	-
v		2.000	2.900	0.000	0.000	4.120	23.896	-
vi		2.000	0.900	0.000	0.000	4.120	7.416	-
vii		2.000	0.800	0.000	0.000	4.120	6.592	-
viii		2.000	0.600	0.000	0.000	4.120	4.944	-
ix		2.000	0.250	0.000	0.000	4.120	2.060	-

x		2.000	0.150	0.000	0.000	4.120	1.236	-
xi	Purlin	7.000	6.600	0.000	0.000	4.120	190.344	-
xii	Base Plate	1.000	0.600	0.000	0.000	1.760	1.056	-
Total Quantity					298.108 Kg (Kilo Gram)		2.98108 Qntl (Quintal)	
Amount					2.98108 X 14025.219248252		41810.30	

#### 5. Roofing (AR1132a) : Labour for fixing G.C.I. Sheet in roof

Labour for fixing G.C.I. Sheet in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. excluding cost of fitting and as per direction of Engineer-in charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Roof	1.000	21.660	12.000	0.000	0.000	259.920	-
ii		1.000	21.660	18.000	0.000	0.000	389.880	-
iii	Ridge	1.000	21.660	2.000	0.000	0.000	43.320	-
Total Quantity					693.12 Sft (Square Foot)		64.39292736 Sqm (Square Meter)	
Amount					64.39292736 X 191.9		12357.00	

#### 6. Roofing (AR1132) : Supplying, feeting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties

Supplying, fitting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. including cost of fitting, Labour and material etc. complete as per direction of Engineer-in-Charge

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Roof	1.000	21.660	12.000	0.000	0.000	259.920	-
ii		1.000	21.660	18.000	0.000	0.000	389.880	-
iii	Ridge	1.000	21.660	2.000	0.000	0.000	43.320	-
Total Quantity					693.12 Sft (Square Foot)		64.39292736 Sqm (Square Meter)	

<b>Amount</b>	<b>64.39292736 X 521.83941501032</b>	<b>33602.77</b>
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**7. Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside**

12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp.and as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Common Room	2.000	21.660	0.000	2.000	0.000	86.640	-
ii		2.000	9.250	0.000	2.000	0.000	37.000	-
iii	Pillar	2.000	4.160	0.000	1.000	0.000	8.320	-
iv	Parapet wall	2.000	9.250	2.160	0.000	0.000	39.960	-
Total Quantity					171.92 Sft (Square Foot)		15.97188376 Sqm (Square Meter)	
<b>Amount</b>					<b>15.97188376 X 175.4503346664</b>		<b>2802.27</b>	

**8. Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer**

Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Common room (In side)	2.000	21.660	0.000	10.250	0.000	444.030	-
ii		2.000	15.330	0.000	10.250	0.000	314.265	-
iii	Gable end	2.000	15.330	0.000	1.750	0.000	53.655	-
iv	Class (IX-B) Out side	2.000	74.500	0.000	10.250	0.000	1527.250	-
v		1.000	17.330	0.000	10.250	0.000	177.633	-
vi	Gable end	1.000	17.330	0.000	1.750	0.000	30.328	-
vii	Parapet wall	4.000	9.250	0.000	2.160	0.000	79.920	-

viii	Pillar	8.000	4.160	0.000	7.330	0.000	243.942	-
ix	Door	7.000	3.330	6.000	0.500	0.000	-	69.930
x	Window	7.000	2.830	3.750	0.500	0.000	-	37.144
xi	Main gate to School (LHS)	2.000	78.240	0.000	0.830	0.000	129.878	-
xii		2.000	353.320	0.000	0.500	0.000	353.320	-
xiii		2.000	21.160	0.000	1.330	0.000	56.286	-
xiv	Main gate to School (RHS)	2.000	121.710	0.000	0.830	0.000	202.039	-
xv		2.000	28.500	0.000	1.330	0.000	75.810	-
xvi	Boundary wall inner face (RHS)	1.000	95.880	0.000	7.620	0.000	730.606	-
xvii		1.000	115.420	0.000	6.360	0.000	734.071	-
xviii	LHS	1.000	123.420	0.000	5.750	0.000	709.665	-
xix	Bondary wall outer face (RHS)	1.000	95.880	0.000	4.710	0.000	451.595	-
xx		1.000	115.420	0.000	6.000	0.000	692.520	-
xxi	LHS	1.000	123.420	0.000	5.750	0.000	709.665	-
Total Quantity					7609.40285 Sft (Square Foot)		706.93635297355 Sqm (Square Meter)	
Amount					706.93635297355 X 160.75408487694		113642.91	
<b>9. Painting (AR0903ak) : Painting two coats of enamel paint with a coat of wood primer new wood work in inner surface paint (Inside)(For repair and maintenance) .</b>								
Painting two coats of enamel paint with a coat of wood primer in new wood work inner surface paint including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)(For repair and maintenance)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Truss	4.000	196.060	0.000	0.050	0.000	39.212	-

ii		4.000	72.190	0.000	0.050	0.000	14.438	-
Total Quantity					53.65 Sqm (Sqm)		53.65 Sqm (Square Meter)	
Amount					53.65 X 238.28102660129		12783.78	
<b>10. Flooring (AR0816k) : Fixing Ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor (For repair and maintenance) .</b>								
Fixing Ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge(For repair and maintenance) .								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Pathway	30.000	1.000	1.000	0.000	0.000	30.000	-
Total Quantity					30 Sft (Square Foot)		2.78709 Sqm (Square Meter)	
Amount					2.78709 X 1201.9180164406		3349.85	
<b>Total Amount</b>							<b>231948.41</b>	
<b>Addition</b>								
Provision for PH Work (+) @							10771.50	
Provision for EI Work (+) @							2000.00	
Provision for Contingency (+) @							2480.00	
Display Citizen Board (+) @							800.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
<b>Total Addition</b>							<b>16051.50</b>	
<b>Grand Net Total Amount</b>							<b>247999.91</b>	

**Kandarpa Palei**  
**JE**  
**Kendujhar Sadar Block**

**Sabyasachi Pradhan**  
**AEE**  
**Kendujhar Sadar Block**

**Binod Chandra Panda**  
**BDO**  
**Kendujhar Sadar Block**