

## Detailed Estimate

**OD/356/3401/275216/400790/00064894 : REPAIR AND RESTORATION OF TAZPUR KOLHASAHI PRIMARY  
SCHOOL,TAJPUR,PATHARAPDA  
Block : Korei, Gram Panchayat : Patharapada  
Created By:Smitasri Dash**

<b>1. Dismantling (AR1612) : Dismantling and removing 2.5 cm. thick artificial stone flooring</b>								
Dismantling and removing 2.5 cm. thick artificial stone flooring 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	office room	1.000	3.000	3.500	0.000	0.000	10.500	-
ii	door shill	1.000	1.000	0.250	0.000	0.000	0.250	-
iii	steps	3.000	3.510	0.460	0.000	0.000	4.844	-
iv	steps	3.000	3.930	0.460	0.000	0.000	5.423	-
Total Quantity					21.0172 Sqm (Sqm)		21.0172 Sqm (Square Meter)	
Amount					21.0172 X 100.34838709677		2109.04	
<b>2. Dismantling (AR1620) : Dismantling and removing 2.5 cm thick grading concrete from roof</b>								
Dismantling and removing 2.5 cm thick grading concrete from roof slab cleaning the surface lowering 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	slab	1.000	8.000	3.500	0.000	0.000	28.000	-
ii	kitchen roof slab	1.000	5.450	6.040	0.000	0.000	32.918	-
Total Quantity					60.918 Sqm (Sqm)		60.918 Sqm (Square Meter)	
Amount					60.918 X 112.89193548387		6877.15	
<b>3. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift</b>								

Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	plinth protection wall	1.000	14.430	0.300	0.450	0.000	1.948	-	
ii		1.000	9.140	0.300	0.450	0.000	1.234	-	
iii		1.000	1.340	0.300	0.450	0.000	0.181	-	
iv		1.000	0.730	0.300	0.450	0.000	0.099	-	
v	approach road cut off	2.000	15.600	0.200	0.100	0.000	0.624	-	
Total Quantity					4.0854 cum (cum)		4.0854 Cum (Cubic Meter)		
Amount					4.0854 X 240.77592		983.67		

#### 4. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed

Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	plinth protection wall	1.000	14.430	0.300	0.100	0.000	0.433	-
ii		1.000	9.140	0.300	0.100	0.000	0.274	-
iii		1.000	1.340	0.300	0.100	0.000	0.040	-
iv		1.000	0.730	0.300	0.100	0.000	0.022	-
v	plinth	1.000	14.180	0.730	0.200	0.000	2.070	-
vi		1.000	9.140	1.340	0.200	0.000	2.450	-
vii	approach road cut off wall	2.000	15.600	0.200	0.050	0.000	0.312	-
viii	road	1.000	15.600	2.100	0.100	0.000	3.276	-

Total Quantity		8.877 cum (cum)		8.877 Cum (Cubic Meter)				
Amount		8.877 X 817.598232		7257.82				
<b>5. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal</b>								
Cement concrete (1:3:6) with 4 cm. hard granite(Crusher Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	plinth protection wall	1.000	14.180	0.730	0.100	0.000	1.035	-
ii		1.000	9.140	1.340	0.100	0.000	1.225	-
iii	approach road	2.000	15.600	0.200	0.150	0.000	0.936	-
iv		1.000	15.600	2.500	0.100	0.000	3.900	-
Total Quantity		7.0959 cum (cum)		7.0959 Cum (Cubic Meter)				
Amount		7.0959 X 6017.73570766		42701.25				
<b>6. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum</b>								
Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specification and direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	approach road	1.000	15.600	2.500	0.075	0.000	2.925	-
Total Quantity		2.925 cum (cum)		2.925 Cum (Cubic Meter)				
Amount		2.925 X 7510.49376642		21968.19				
<b>7. Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</b>								
Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm <sup>2</sup> with dimensional tolerance ±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.								

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	plinth protection wall upto plinth	1.000	14.430	0.250	0.530	0.000	1.912	-
ii		1.000	9.140	0.250	0.530	0.000	1.211	-
iii		1.000	0.730	0.250	0.530	0.000	0.097	-
iv		1.000	1.340	0.250	0.530	0.000	0.178	-
Total Quantity					3.3973 cum (cum)		3.3973 Cum (Cubic Meter)	
Amount					3.3973 X 4998.321864088		16980.80	
<b>8. Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside</b>								
12mm thick cement plster (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	cornice	1.000	39.620	0.250	0.000	0.000	9.905	-
Total Quantity					9.905 Sqm (Sqm)		9.905 Sqm (Square Meter)	
Amount					9.905 X 171.1645720532		1695.39	
<b>9. Other Building Items. (AR1901Ba) : Vitrified Tile 600mmx600mm Coloured /Printed</b>								
Supplying, fitting & fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	office room	1.000	3.000	3.510	0.000	0.000	10.530	-
ii	door shill	1.000	1.000	0.250	0.000	0.000	0.250	-
iii	dado	2.000	6.550	0.100	0.000	0.000	1.310	-
iv		1.000	1.000	0.100	0.000	0.000	-	0.100

Total Quantity	11.99 Sqm (Sqm)	11.99 Sqm (Square Meter)
Amount	11.99 X 1046.1318644926	12543.12

**10. Flooring (AR0816) : 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**

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	trades	3.000	3.510	0.460	0.000	0.000	4.844	-
ii		3.000	3.930	0.460	0.000	0.000	5.423	-
iii	ramp	1.000	4.270	2.440	0.000	0.000	10.419	-
Total Quantity					20.686 Sqm (Sqm)		20.686 Sqm (Square Meter)	
Amount					20.686 X 1188.4213157608		24583.68	

**11. Flooring (AR0817b) : Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753)**

Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	riser	3.000	3.510	0.150	0.000	0.000	1.580	-
ii		3.000	3.930	0.150	0.000	0.000	1.769	-
Total Quantity					3.348 Sqm (Sqm)		3.348 Sqm (Square Meter)	
Amount					3.348 X 875.704433526		2931.86	

**12. Concrete (AR0318) : 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken)**

4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) including hoisting and laying in position compacting and curing for the proper period with cost conveyance, royalty, taxes of all materials, labor and T&P required for the work etc. complete as per specification and direction of Engineer-in charge. (Old Work)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	class room roof	1.000	8.000	3.500	0.000	0.000	28.000	-
ii	kitchen roof	1.000	5.460	6.040	0.000	0.000	32.978	-
Total Quantity					60.9784 Sqm (Sqm)		60.9784 Sqm (Square Meter)	
Amount					60.9784 X 761.3786474298		46427.65	

**13. Other Building Items. (AR1911) : Stainless steel of 304 grade in hand railing using 50mm dia of 2mm**

Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in staircase as per approved design and specification, buffing, polishing etc with cost, conveyance, taxes of all materials, labour, T&P etc. required for the complete in all respect. and as per direction of Engineer in Charge

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	railing	1.000	10.000	0.000	0.000	0.000	10.000	-
Total Quantity					10 Ft (Feet)		3.047999902464 Rmt (Meter)	
Amount					3.047999902464 X 3129.0244276074		9537.27	
Total Amount							196596.89	

**Addition**

Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							982.98	
Display Citizen Board (+) @							2000.00	
Any Other Lumpsum (+) @							420.00	
Provision for survey investigation and quality control (+) @								

<b>Total Addition</b>	<b>3402.98</b>
<b>Grand Net Total Amount</b>	<b>199999.87</b>

**Smitasri Dash**  
**JE**  
**Korei Block**

**SWAGAT KUMAR DASH**  
**AEE**  
**Korei Block**

**Abanikanta Sahoo**  
**BDO**  
**Korei Block**