

## Detailed Estimate

**OD/348/3324/116662/394508/00075378 : MAINTENANCE OF PANAKHA PRIMARY SCHOOL**

**Block : Bhandaripokhari, Gram Panchayat : Tealnga**

**Created By: Sagarika Jena**

<b>1. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed</b>									
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	cutoff	2.000	30.000	0.750	0.500	0.024	0.536	-	
ii	road	1.000	30.000	3.500	0.330	0.028	0.981	-	
iii	pile cap	4.000	2.000	2.000	1.000	0.028	0.453	-	
iv	boundary wall	1.000	30.000	1.250	0.250	0.028	0.265	-	
v	pile cap	4.000	2.000	1.250	0.250	0.028	-	0.071	
vi	drain	2.000	20.000	2.000	0.500	0.028	1.132	-	
Total Quantity					3.2954575 cum (cum)		3.2954575 Cum (Cubic Meter)		
Amount					3.2954575 X 640.706832		2111.42		
<b>2. 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	cutoff	2.000	30.000	0.750	0.500	0.028	0.637	-	
ii	carriage way	1.000	30.000	5.000	0.250	0.028	1.061	-	
iii	drain	2.000	20.000	0.750	1.330	0.028	1.129	-	
Total Quantity					2.82717 cum (cum)		2.82717 Cum (Cubic Meter)		

<b>Amount</b>			<b>2.82717 X 5691.08094206</b>				<b>16089.65</b>	
<b>3. Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside</b>								
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	bounary wall	1.000	30.000	2.000	6.000	0.028	10.188	-
ii	gate	1.000	8.000	4.000	2.000	0.028	1.811	-
Total Quantity					11.9992 Sqm (Sqm)		11.9992 Sqm (Square Meter)	
<b>Amount</b>			<b>11.9992 X 168.3585565212</b>				<b>2020.17</b>	
<b>4. R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position</b>								
Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	hysd steel rein forcement	1.000	0.000	0.000	0.000	0.000	1.000	-
Total Quantity					1 Qntl (Quintal)		1 Qntl (Quintal)	
<b>Amount</b>			<b>1 X 8413.975185</b>				<b>8413.98</b>	
<b>5. R.C.C. Work (AR0404A) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips</b>								
Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite 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 and as per direction of Engineer-in charge. (excluding centring and shuttering)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	pile cap	4.000	2.000	2.000	1.000	0.028	0.453	-

ii	column	4.000	0.830	0.830	6.000	0.028	0.468	-
iii	gate beam	1.000	8.000	1.000	1.000	0.028	0.226	-
iv	grade beam	1.000	20.000	0.830	0.500	0.028	0.235	-
Total Quantity					1.38199088 cum (cum)		1.38199088 Cum (Cubic Meter)	
Amount					1.38199088 X 5875.9525506462		8120.51	

#### 6. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum

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 specificaion and direction of Engineer-in charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	road	1.000	30.000	5.000	0.250	0.028	1.061	-
Total Quantity					1.06125 cum (cum)		1.06125 Cum (Cubic Meter)	
Amount					1.06125 X 7160.25362222		7598.82	

#### 7. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure

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 ±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	Boundary wall	1.000	40.000	0.830	6.000	0.028	5.637	-
Total Quantity					5.63736 cum (cum)		5.63736 Cum (Cubic Meter)	
Amount					5.63736 X 5122.975874208		28880.06	

#### 8. Painting (AR0901b) : Priming one coat in inner surface with primer of approved quality over iron work.

Priming one coat in inner surface with primer of approved quality over iron work including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	gate	1.000	8.000	7.000	2.250	0.093	11.705	-
Total Quantity					11.7054 Sqm (Sqm)		11.7054 Sqm (Square Meter)	
Amount					11.7054 X 66.11573166851		773.91	
<b>9. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)</b>								
Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	bounadry wall	2.000	90.000	1.000	6.000	0.093	100.332	-
Total Quantity					100.332 Sqm (Sqm)		100.332 Sqm (Square Meter)	
Amount					100.332 X 71.83248932951		7207.10	
<b>10. Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface)</b>								
Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes 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	gate	1.000	7.000	5.000	2.250	0.093	7.316	-
Total Quantity					7.315875 Sqm (Sqm)		7.315875 Sqm (Square Meter)	
Amount					7.315875 X 164.22772665202		1201.47	
<b>11. Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside.</b>								
12mm thick cement plster (1:6) over Brick work in outside 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	boundary wall	1.000	40.000	2.000	6.000	0.093	44.592	-
Total Quantity					44.592 Sqm (Sqm)		44.592 Sqm (Square Meter)	
Amount					44.592 X 168.3585565212		7507.44	
<b>12. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	boundary wall	1.000	40.000	0.750	6.000	0.028	5.094	-
Total Quantity					5.094 cum (cum)		5.094 Cum (Cubic Meter)	
Amount					5.094 X 1401.5088339223		7139.29	
<b>13. Pile Foundation (AR1501a) : Single under reamed pile foundation 375 mm dia and 6.0 meter long with RCC M20 using 12mm size black hard granite (Crusher broken) stone chips.</b>								
Single under-reamed pile foundation with RCC M-20 using 12mm size black granite (Crusher broken) stone chips including cost of boring and including the labour charges, convenience, royalty, taxes of all materials, labour and T&P required for the work etc. but excluding the cost of M.S./Tor steel complete and as per direction of Engineer-in charge. (375mm dia and 6.0 meter long).								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	pile	4.000	0.000	0.000	0.000	0.000	4.000	-
Total Quantity					4 Nos (Number)		4 Nos (Number)	
Amount					4 X 7561.0674911094		30244.27	
<b>14. 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	road class room to toilet	2.000	30.000	0.750	0.500	0.028	0.637	-

ii	drain	1.000	20.000	2.000	2.000	0.028	2.264	-
Total Quantity					2.90075 cum (cum)		2.90075 Cum (Cubic Meter)	
Amount					2.90075 X 240.77592		698.43	
<b>15. Painting (AR0918Ai) : Finishing wall one coat with weather coat</b>								
Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes 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	boundary wall	1.000	90.000	2.000	6.000	0.093	100.332	-
Total Quantity					100.332 Sqm (Sqm)		100.332 Sqm (Square Meter)	
Amount					100.332 X 57.0910986525		5728.06	
<b>16. Other Building Items. (AR1901A) : Supplying, fitting and fixing vitrified tile in floors of size 600mm x 600mm of approved make conforming to IS :13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS :15477 of 3mm thick bed and fillin</b>								
Supplying, fitting and fixing Vitrified Tile 600mmx600mm Plain (Ivory) of approved make conforming to IS :13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS :15477 of 3mm thick bed and filling joints with white cement of approved quality including cost of all materials, labour ,T&P,etc. required for the work all complete as per direction of Engineer-in-Charge(for repair work only)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	water supply	2.000	10.000	1.000	2.500	0.093	4.645	-
ii		1.000	10.000	1.000	1.000	0.093	0.929	-
Total Quantity					5.574 Sqm (Sqm)		5.574 Sqm (Square Meter)	
Amount					5.574 X 2107.923759573		11749.57	
<b>Total Amount</b>							<b>145484.15</b>	
<b>Addition</b>								
Provision for PH Work (+) @								
Provision for EI Work (+) @								

Provision for Contingency (+) @	1500.00
Display Citizen Board (+) @	3000.00
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
<b>Total Addition</b>	<b>4500.00</b>
<b>Grand Net Total Amount</b>	<b>149984.15</b>

**Sagarika Jena**  
**JE**  
**Bhandaripokhari Block**

**HRUDANANDA**  
**AEE**  
**Bhandaripokhari Block**

**BDOBhandaripokhari**  
**BDO**  
**Bhandaripokhari Block**