

## Analysis

**OD/354/3380/117911/411484/00017574 : Repair and maintenance of Primary School of Rukhakana PS**  
**Block : Polosara, Gram Panchayat : Kalamba**  
**Created By:SASI BHUSAN MAHAPATRO**

### Item 1

**Earth Work (AR0102aa):** 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

Sub-Item of Work

**Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	25.8	Per day	462	11919.6	0
LR001 : Male mulia	25.8	Per day	462	11919.6	0

**Total Amount (a+b+c)**

23839.2

**Total GST (a)**

0

**OVERHEAD CHARGES @ 7.5% (+)**

1787.94

**CONTRACTOR PROFIT @ 7.5% (+)**

1922.0355

**LABOUR CESS @ 1% (+)**

275.491755

**Grand Total**

27824.667255

**Say For Unit 1 (Grand Total/100)**

278.24667255

### Item 2

**Earth Work (AR0115):** 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.

Sub-Item of Work

**Filling foundation and plinth with sand well watered and rammed**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	62.86	6286	0
LR002 : Female mulia	12.36	Per day	462	5710.32	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	341.11	34111	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	40.25	4025	0

Total Amount (a+b+c)	50132.32				
Total GST (a)	0				
OVERHEAD CHARGES @ 7.5% (+)	3759.924				
CONTRACTOR PROFIT @ 7.5% (+)	4041.9183				
LABOUR CESS @ 1% (+)	579.341623				
Grand Total	58513.503923				
Say For Unit 1 (Grand Total/100)	585.13503923				

Item 3
<b>Concrete (AR0303a):</b> Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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.
Sub-Item of Work <b>Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal</b>

a) Specific Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	1.4	Per day	462	646.8	0
LR001 : Male mulia	2.5	Per day	462	1155	0
LR025 : Mason	0.18	Per day	562	101.16	0
BRM340 : Cement	2.29	1 Qntl.	567.71	1300.0559	234.010062
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	66.23	31.7904	0
BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	1 Cum.	787.36	755.8656	0

b) Carriage Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	2.29	1 Qntl.	30.732	70.37628	0
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	341.11	163.7328	0
BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	1 Cum.	341.11	327.4656	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	2.29	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	40.25	19.32	0
BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	1 Cum.	149.5	143.52	0

<b>Total Amount (a+b+c)</b>	4715.08658
<b>Total GST (a)</b>	234.010062
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	371.18224815
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	399.02091676125
<b>LABOUR CESS @ 1% (+)</b>	57.192998069113
<b>Grand Total</b>	5776.4928049804
<b>Say For Unit 1 (Grand Total/1)</b>	5776.4928049804

#### Item 4

**miscellaneous (ARM122):** Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.

Sub-Item of Work

**Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRMM122</b> : Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting)	1	Sqm	5.12	5.12	0

<b>Total Amount (a+b+c)</b>	5.12
<b>Total GST (a)</b>	0
<b>Grand Total</b>	5776.4928049804
<b>Say For Unit 1 (Grand Total/1)</b>	5776.4928049804

#### Item 5

**Painting (AR0901di):** Priming one coat with outer 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.

Sub-Item of Work

**Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface )**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.84	1 Ltr	159.03	133.5852	0
<b>LR048</b> : Painter/ Polisher	0.5	Per day	612	306	0
<b>LR001</b> : Male mulia	0.5	Per day	462	231	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.84	1 Ltr	0.30732	0.2581488	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM253 : Wall cement primer (I.S.I.) Water bound	0.84	1 Ltr	0	0	0

Total Amount (a+b+c)	670.8433488
Total GST (a)	0
OVERHEAD CHARGES @ 7.5% (+)	50.31325116
CONTRACTOR PROFIT @ 7.5% (+)	54.086744997
LABOUR CESS @ 1% (+)	7.75243344957
Grand Total	782.99577840657
Say For Unit 1 (Grand Total/9.3)	84.193094452319

<b>Item 6</b>
<b>Painting (AR0920k):</b> Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)(For Repair and maintenance)
Sub-Item of Work <b>Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)(For Repair and maintenance)</b>

a) Specific Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM140 : Plastic Emulsion paint	1.25	1 Litre	249.34	311.675	0
LR048 : Painter/ Polisher	0.5508	Per day	612	337.0896	0
LR001 : Male mulia	0.6528	Per day	462	301.5936	0

b) Carriage Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM140 : Plastic Emulsion paint	1.25	1 Litre	0.30732	0.38415	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM140 : Plastic Emulsion paint	1.25	1 Litre	0	0	0

Total Amount (a+b+c)	950.74235
Total GST (a)	0
OVERHEAD CHARGES @ 7.5% (+)	71.30567625
CONTRACTOR PROFIT @ 7.5% (+)	76.65360196875
LABOUR CESS @ 1% (+)	10.987016282188
Grand Total	1109.6886445009
Say For Unit 1 (Grand Total/10)	110.96886445009

**Item 7**

**Concrete (AR0307):** 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.

Sub-Item of Work

**Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	1.4	Per day	462	646.8	0
LR001 : Male mulia	3.2	Per day	462	1478.4	0
LR025 : Mason	0.68	Per day	562	382.16	0
BRM340 : Cement	3.23	1 Qntl.	567.71	1833.7033	330.066594
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	66.23	29.8035	0
BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.9	1 Cum.	1396.62	1256.958	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	3.23	1 Qntl.	30.732	99.26436	0
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	341.11	153.4995	0
BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.9	1 Cum.	341.11	306.999	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	3.23	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	40.25	18.1125	0
BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.9	1 Cum.	149.5	134.55	0

**Total Amount (a+b+c)**

6340.25016

**Total GST (a)**

330.066594

<b>OVERHEAD CHARGES @ 7.5% (+)</b>	500.27375655
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	537.79428829125
<b>LABOUR CESS @ 1% (+)</b>	77.083847988413
<b>Grand Total</b>	7785.4686468297
<b>Say For Unit 1 (Grand Total/1)</b>	7785.4686468297

**Sarat Kumar Malla**  
**JE**  
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