

## Analysis

**OD/352/3350/117262/403381/00017904 : Maintenance of Phuljhar UP School Building**  
**Block : Dhenkanal Sadar, Gram Panchayat : Chandrasekhar Prasad**  
**Created By:Rahul Mandal**

<b>Item 1</b>
<b>Earth Work (AR0102aa):</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
Sub-Item of Work <b>Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift</b>

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
<b>Total Amount (a+b+c)</b>				23839.2	
<b>Total GST (a)</b>					0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>					1787.94
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>					1922.0355
<b>LABOUR CESS @ 1% (+)</b>					275.491755
<b>Grand Total</b>					27824.667255
<b>Say For Unit 1 (Grand Total/100)</b>					278.24667255

<b>Item 2</b>
<b>Earth Work (AR0115):</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.
Sub-Item of Work <b>Filling foundation and plinth with sand well watered and rammed</b>

a) Specific Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	71.94	7194	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	601.51	60151	0

c) Royalty Rate Details					
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Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM029</b> : Sand for filling and road blinding	100	1 Cum	345	34500	0
<b>Total Amount (a+b+c)</b>				107555.32	
<b>Total GST (a)</b>					0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>				8066.649	
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>				8671.647675	
<b>LABOUR CESS @ 1% (+)</b>				1242.93616675	
<b>Grand Total</b>				125536.55284175	
<b>Say For Unit 1 (Grand Total/100)</b>				1255.3655284175	

### Item 3

**Concrete (AR0303):** 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.

Sub-Item of Work  
**Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>LR025</b> : Mason	0.18	Per day	562	101.16	0
<b>LR002</b> : Female mulia	1.4	Per day	462	646.8	0
<b>LR001</b> : Male mulia	2.5	Per day	462	1155	0
<b>BRM340</b> : Cement	2.29	1 Qntl.	523.07	1197.8303	215.609454
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1 Cum	76.88	36.9024	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	995.25	955.44	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	2.29	1 Qntl.	36.677	83.99033	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1 Cum	601.51	288.7248	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	536.41	514.9536	0

#### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	2.29	1 Qntl.	0	0	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1 Cum	345	165.6	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	496.77	476.8992	0

<b>Total Amount (a+b+c)</b>				5623.30063	
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<b>Total GST (a)</b>	215.609454
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	437.9182563
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	470.7621255225
<b>LABOUR CESS @ 1% (+)</b>	67.475904658225
<b>Grand Total</b>	6815.0663704807
<b>Say For Unit 1 (Grand Total/1)</b>	6815.0663704807

#### Item 4

**R.C.C. Work (AR0410c):** Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc

Sub-Item of Work

**R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0267	1Cum.	58374.79	1558.606893	0
<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	1.26	1Mtr.	30.81	38.8206	0
<b>LR008</b> : Sangi mulia	0.5	Per day	512	256	0
<b>LR027</b> : Carpenter	0.5	Per day	562	281	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0267	1Cum.	293.416	7.8342072	0
<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.00614	1Mtr.	293.416	1.80157424	0

#### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0267	1Cum.	0	0	0
<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.00614	1Mtr.	0	0	0

<b>Total Amount (a+b+c)</b>	2144.06327444
<b>Total GST (a)</b>	0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	160.804745583
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	172.86510150173
<b>LABOUR CESS @ 1% (+)</b>	24.777331215247
<b>Grand Total</b>	2502.51045274
<b>Say For Unit 1 (Grand Total/10)</b>	250.251045274

**Item 5**

**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.	523.07	1689.5161	304.112898
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	76.88	34.596	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.	36.677	118.46671	0
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	601.51	270.6795	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.	536.41	482.769	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	345	155.25	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.	496.77	447.093	0

<b>Total Amount (a+b+c)</b>	6962.68831
<b>Total GST (a)</b>	304.112898
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	545.0100906

<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	585.885847395
<b>LABOUR CESS @ 1% (+)</b>	83.97697145995
<b>Grand Total</b>	8481.6741174549
<b>Say For Unit 1 (Grand Total/1)</b>	8481.6741174549

### Item 6

**Painting (AR0901d):** 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.

Sub-Item of Work

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

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.7812	1 Ltr	159.03	124.234236	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	0.7812	1 Ltr	0.36677	0.286520724	0

#### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.7812	1 Ltr	0	0	0

<b>Total Amount (a+b+c)</b>	661.520756724
<b>Total GST (a)</b>	0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	49.6140567543
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	53.335111010872
<b>LABOUR CESS @ 1% (+)</b>	7.6446992448917
<b>Grand Total</b>	772.11462373406
<b>Say For Unit 1 (Grand Total/9.3)</b>	83.023077820867

### Item 7

**Painting (AR0901ai):** Priming one coat in outer surface with primer of approved quality over woodwork 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 in outer surface with primer of approved quality over woodwork**

<b>a) Specific Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
LR048 : Painter/ Polisher	0.5	Per day	612	306	0
BRM138 : Wood Primer	0.6975	1 Litre	155.08	108.1683	0
LR001 : Male mulia	0.5	Per day	462	231	0

<b>b) Carriage Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
BRM138 : Wood Primer	0.6975	1 Litre	0.36677	0.255822075	0

<b>c) Royalty Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
BRM138 : Wood Primer	0.6975	1 Litre	0	0	0

<b>Total Amount (a+b+c)</b>	645.424122075				
<b>Total GST (a)</b>	0				
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	48.406809155625				
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	52.037319842297				
<b>LABOUR CESS @ 1% (+)</b>	7.4586825107292				
<b>Grand Total</b>	753.32693358365				
<b>Say For Unit 1 (Grand Total/9.3)</b>	81.002896084264				

<b>Item 8</b>
<b>Painting (AR0921):</b> Finishing wall One Coat with distemper of approved shades on old 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)
Sub-Item of Work <b>Finishing wall One Coat with distemper of approved shades on old work (Inside)</b>

<b>a) Specific Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
BRM142 : Distemper	1.66	1 Kg.	70.1	116.366	0
LR001 : Male mulia	0.4	Per day	462	184.8	0
LR048 : Painter/ Polisher	0.33	Per day	612	201.96	0

<b>b) Carriage Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
BRM142 : Distemper	1.66	1 Kg.	0.36677	0.6088382	0

<b>c) Royalty Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST

BRM142 : Distemper	1.66	1 Kg.	0	0	0
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<b>Total Amount (a+b+c)</b>	503.7348382
<b>Total GST (a)</b>	0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	37.780112865
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	40.613621329875
<b>LABOUR CESS @ 1% (+)</b>	5.8212857239487
<b>Grand Total</b>	587.94985811882
<b>Say For Unit 1 (Grand Total/10)</b>	58.794985811882

### Item 9

**Painting (AR0903i):** 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)

Sub-Item of Work

**Painting two coats of enamel paint in outer surface paint (outer surface)**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR048 : Painter/ Polisher	1.25	Per day	612	765	0
LR001 : Male mulia	1.1	Per day	462	508.2	0
BRM141 : Enamel paint	1.1625	1 Litre	205.34	238.70775	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM141 : Enamel paint	1.1625	1 Litre	0.36677	0.426370125	0

#### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM141 : Enamel paint	1.1625	1 Litre	0	0	0

<b>Total Amount (a+b+c)</b>	1512.334120125
<b>Total GST (a)</b>	0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	113.42505900938
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	121.93193843508
<b>LABOUR CESS @ 1% (+)</b>	17.476911175695
<b>Grand Total</b>	1765.1680287451
<b>Say For Unit 1 (Grand Total/9.3)</b>	189.80301384356

### Item 10

**Painting (AR0917g):** Finishing wall with one coat weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)

Sub-Item of Work

**Finishing wall with one coat weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work (Outside)**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>Combine :: Painting (AR0917f)</b>					
<b>BRM255</b> : Weather Coat (I.S.I.)	0.075	1 Ltr	194.79	14.60925	0
<b>LR048</b> : Painter/ Polisher	0.036	Per day	612	22.032	0
<b>LR001</b> : Male mulia	0.043	Per day	462	19.866	0
<b>Combine :: Painting (AR0901ci)</b>					
<b>BRM252</b> : Wall cement primer (I.S.I.) Oil bound	0.084	1 Ltr	125.5	10.542	0
<b>LR048</b> : Painter/ Polisher	0.053763440860215	Per day	612	32.903225806452	0
<b>LR001</b> : Male mulia	0.053763440860215	Per day	462	24.838709677419	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM255</b> : Weather Coat (I.S.I.)	0.075	1 Ltr	0.36677	0.02750775	0
<b>BRM252</b> : Wall cement primer (I.S.I.) Oil bound	0.084	1 Ltr	0.36677	0.03080868	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM255</b> : Weather Coat (I.S.I.)	0.075	1 Ltr	0	0	0
<b>BRM252</b> : Wall cement primer (I.S.I.) Oil bound	0.084	1 Ltr	0	0	0

<b>Total Amount (a+b+c)</b>	124.84950191387
<b>Total GST (a)</b>	0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	9.3637126435403
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	10.065991091806
<b>LABOUR CESS @ 1% (+)</b>	1.4427920564922
<b>Grand Total</b>	145.72199770571
<b>Say For Unit 1 (Grand Total/1)</b>	145.72199770571

**Item 11**

**Concrete (AR0317):** 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting 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. (new work)

Sub-Item of Work

**2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips**

<b>a) Specific Rate Details</b>						
Particular	Quantity	Unit	Rate	Amount	GST	
LR001 : Male mulia	0.36	Per day	462	166.32	0	
LR044 : Mason	0.1	Per day	612	61.2	0	
BRM340 : Cement	0.1208	1 Qntl.	523.07	63.186856	11.37363408	
BRM028 : Screened and washed sharp sand for mortar	0.0169	1 Cum	76.88	1.299272	0	
BRM064 : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.0169	1 Cum.	792.8	13.39832	0	

<b>b) Carriage Rate Details</b>						
Particular	Quantity	Unit	Rate	Amount	GST	
BRM340 : Cement	0.1208	1 Qntl.	36.677	4.4305816	0	
BRM028 : Screened and washed sharp sand for mortar	0.0169	1 Cum	601.51	10.165519	0	
BRM064 : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.0169	1 Cum.	536.41	9.065329	0	

<b>c) Royalty Rate Details</b>						
Particular	Quantity	Unit	Rate	Amount	GST	
BRM340 : Cement	0.1208	1 Qntl.	0	0	0	
BRM028 : Screened and washed sharp sand for mortar	0.0169	1 Cum	345	5.8305	0	
BRM064 : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.0169	1 Cum.	496.77	8.395413	0	

<b>Total Amount (a+b+c)</b>	343.2917906
<b>Total GST (a)</b>	11.37363408
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	26.599906851
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	28.594899864825
<b>LABOUR CESS @ 1% (+)</b>	4.0986023139583
<b>Grand Total</b>	413.95883370978
<b>Say For Unit 1 (Grand Total/1)</b>	413.95883370978

<b>Item 12</b>
<b>Dismantling (AR1621):</b> Removing old grading plaster from roof slab, cleaning the surface, lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.
Sub-Item of Work <b>Removing old grading plaster from roof</b>

<b>a) Specific Rate Details</b>					
<b>Particular</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>	<b>GST</b>
<b>LR002 : Female mulia</b>	0.15	Per day	462	69.3	0
<b>LR001 : Male mulia</b>	1.4	Per day	462	646.8	0
<b>Total Amount (a+b+c)</b>				716.1	
<b>Total GST (a)</b>				0	
<b>OVERHEAD CHARGES @ 7.5% (+)</b>				53.7075	
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>				57.7355625	
<b>LABOUR CESS @ 1% (+)</b>				8.275430625	
<b>Grand Total</b>				835.818493125	
<b>Say For Unit 1 (Grand Total/9.3)</b>				89.87295625	

**Itishree Mallik**  
**JE**  
**Dhenkanal Sadar Block**

**Ramratan Bhuyan**  
**AEE**  
**Dhenkanal Sadar Block**

**Rahul Mandal**  
**BDO**  
**Dhenkanal Sadar Block**