

## Analysis

**OD/360/3441/119214/395609/00065706 : Repair and restoration of Badiha Commuinty Center**  
**Block : Rajkanika, Gram Panchayat : Jagulaipada**  
**Created By:KAILASH CHANDRA MAHALIK**

<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	64.18	6418	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	536.41	53641	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	235.25	23525	0
<b>Total Amount (a+b+c)</b>				89294.32	
<b>Total GST (a)</b>					0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>				6697.074	
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>				7199.35455	
<b>LABOUR CESS @ 1% (+)</b>				1031.9074855	
<b>Grand Total</b>				104222.6560355	
<b>Say For Unit 1 (Grand Total/100)</b>				1042.226560355	

### 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.	559.18	1280.5222	230.493996
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1 Cum	71.81	34.4688	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	934.84	897.4464	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	2.29	1 Qntl.	24.787	56.76223	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1 Cum	536.41	257.4768	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	1321.91	1269.0336	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	40.25	19.32	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	149.5	143.52	0

<b>Total Amount (a+b+c)</b>				5861.51003	
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<b>Total GST (a)</b>	230.493996
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	456.90030195
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	491.16782459625
<b>LABOUR CESS @ 1% (+)</b>	70.400721525463
<b>Grand Total</b>	7110.4728740717
<b>Say For Unit 1 (Grand Total/1)</b>	7110.4728740717

#### Item 4

**Masonry Brick Work (AR0603bi):** 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.

Sub-Item of Work

**Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>LR002</b> : Female mulia	0.14	Per day	462	64.68	0
<b>BRMMR0025</b> : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	1 Cum	33	33	0
<b>LR001</b> : Male mulia	2.82	Per day	462	1302.84	0
<b>LR025</b> : Mason	1.05	Per day	562	590.1	0
<b>LR044</b> : Mason	0.35	Per day	612	214.2	0
<b>BRM340</b> : Cement	0.672	1 Qntl.	559.18	375.76896	67.6384128
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	1 Cum	71.81	20.1068	0
<b>BRM005</b> : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm <sup>2</sup> with dimensional tolerance $\pm 2$ %	350	1000 Nos	5.0175	1756.125	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	0.672	1 Qntl.	24.787	16.656864	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	1 Cum	536.41	150.1948	0
<b>BRM005</b> : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm <sup>2</sup> with dimensional tolerance $\pm 2$ %	350	1000 Nos	1.60035	560.1225	0

#### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	0.672	1 Qntl.	0	0	0

<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	1 Cum	40.25	11.27	0
<b>BRM005</b> : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance $\pm 2\%$	350	1000 Nos	0	0	0

<b>Total Amount (a+b+c)</b>	5095.064924				
<b>Total GST (a)</b>	67.6384128				
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	387.20275026				
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	416.2429565295				
<b>LABOUR CESS @ 1% (+)</b>	59.661490435895				
<b>Grand Total</b>	6025.8105340254				
<b>Say For Unit 1 (Grand Total/1)</b>	6025.8105340254				

### 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
<b>LR002</b> : Female mulia	1.4	Per day	462	646.8	0
<b>LR001</b> : Male mulia	3.2	Per day	462	1478.4	0
<b>LR025</b> : Mason	0.68	Per day	562	382.16	0
<b>BRM340</b> : Cement	3.23	1 Qntl.	559.18	1806.1514	325.107252
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1 Cum	71.81	32.3145	0
<b>BRM056</b> : 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.	1378.22	1240.398	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	3.23	1 Qntl.	24.787	80.06201	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1 Cum	536.41	241.3845	0
<b>BRM056</b> : 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.	1321.91	1189.719	0

<b>c) Royalty Rate Details</b>					
<b>Particular</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>	<b>GST</b>
<b>BRM340</b> : Cement	3.23	1 Qntl.	0	0	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1 Cum	40.25	18.1125	0
<b>BRM056</b> : 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

<b>Total Amount (a+b+c)</b>	7250.05191
<b>Total GST (a)</b>	325.107252
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	568.13693715
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	610.74720743625
<b>LABOUR CESS @ 1% (+)</b>	87.540433065863
<b>Grand Total</b>	8841.5837396521
<b>Say For Unit 1 (Grand Total/1)</b>	8841.5837396521

<b>Item 6</b>
<b>Iron Work (AR1704):</b> Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.
Sub-Item of Work <b>Iron Doors and windows fixing</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>BRM341</b> : Steel	0.508	1 Qntl.	6331	3216.148	578.90664
<b>LR001</b> : Male mulia	3.25	Per day	462	1501.5	0
<b>LR011</b> : Helper to carpenter or Blacksmith/ Painter/ Blaster/Plumber/ Electrician/ Fitter/Welder	1	Per day	512	512	0
<b>LR028</b> : Fitter	1	Per day	562	562	0
<b>LR047</b> : Fitter	1	Per day	612	612	0
<b>LR026</b> : Black smith	1	Per day	562	562	0
<b>LR046</b> : Blacksmith	0.75	Per day	612	459	0

<b>b) Carriage Rate Details</b>					
<b>Particular</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>	<b>GST</b>
<b>BRM341</b> : Steel	0.508	1 Qntl.	30.732	15.611856	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	0.508	1 Qntl.	0	0	0

Total Amount (a+b+c)	7440.259856				
Total GST (a)	578.90664				
OVERHEAD CHARGES @ 7.5% (+)	601.4374872				
CONTRACTOR PROFIT @ 7.5% (+)	646.54529874				
LABOUR CESS @ 1% (+)	92.6714928194				
Grand Total	9359.8207747594				
Say For Unit 1 (Grand Total/0.508)	18424.844044802				

<b>Item 7</b>
<b>Roofing (AR1132):</b> 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
Sub-Item of Work <b>Supplying, feeting &amp; fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties</b>

a) Specific Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM149 : G.C.I. Sheet 0.30mm thick	9.3	1 Sqm	313.88	2919.084	0
LR001 : Male mulia	2	Per day	462	924	0
LR047 : Fitter	1	Per day	612	612	0
LR045 : Carpenter	0.5	Per day	612	306	0

b) Carriage Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM149 : G.C.I. Sheet 0.30mm thick	9.3	1 Sqm	0.799032	7.4309976	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM149 : G.C.I. Sheet 0.30mm thick	9.3	1 Sqm	0	0	0

Total Amount (a+b+c)	4768.5149976				
Total GST (a)	0				
OVERHEAD CHARGES @ 7.5% (+)	357.63862482				
CONTRACTOR PROFIT @ 7.5% (+)	384.4615216815				
LABOUR CESS @ 1% (+)	55.106151441015				
Grand Total	5565.7212955425				

**NIHAR RANJAN PARIDA**  
**JE**  
**Rajkanika Block**

**SUDHANSU SEKHAR PATRA**  
**AEE**  
**Rajkanika Block**

**KAILASH CHANDRA MAHALIK**  
**BDO**  
**Rajkanika Block**