

## Analysis

**OD/346/3309/116318/393756/00063203 : Maintenance of Khajuridiha Kalika Thakurani  
Pokhari ( Pucca Ghat Guard Wall)  
Block : Soro, Gram Panchayat : Madhusuidanpur  
Created By:Satyanath Naik**

### 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

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

238.392

**Grand Total**

24077.592

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

240.77592

### 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	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	907.91	90791	0

#### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
------------	----------	------	------	--------	-----

BRM029 : Sand for filling and road blinding	100	1 Cum	442.25	44225	0
---	-----	-------	--------	-------	---

<b>Total Amount (a+b+c)</b>	147920.32
<b>Total GST (a)</b>	0
<b>LABOUR CESS @ 1% (+)</b>	1479.2032
<b>Grand Total</b>	149399.5232
<b>Say For Unit 1 (Grand Total/100)</b>	1493.995232

### 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
LR025 : Mason	0.18	Per day	562	101.16	0
LR002 : Female mulia	1.4	Per day	462	646.8	0
LR001 : Male mulia	2.5	Per day	462	1155	0
BRM340 : Cement	2.29	1 Qntl.	521.52	1194.2808	214.970544
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	76.88	36.9024	0
BRM044 : 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
BRM340 : Cement	2.29	1 Qntl.	24.787	56.76223	0
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	907.91	435.7968	0
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	471.31	452.4576	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	442.25	212.28	0
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	552.5	530.4	0

<b>Total Amount (a+b+c)</b>	5777.27983
<b>Total GST (a)</b>	214.970544
<b>LABOUR CESS @ 1% (+)</b>	59.92250374
<b>Grand Total</b>	6052.17287774

Say For Unit 1 (Grand Total/1)	6052.17287774
--------------------------------	---------------

**Item 4**

**Plastering (AR1004):** 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.

Sub-Item of Work  
**12mm thick cement plaster (1:6) over Brick work in inside**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	0.05	Per day	462	23.1	0
LR001 : Male mulia	0.07	Per day	462	32.34	0
LR025 : Mason	0.14	Per day	562	78.68	0
BRM340 : Cement	0.0358	1 Qntl.	521.52	18.670416	3.36067488
BRM028 : Screened and washed sharp sand for mortar	0.015	1 Cum	76.88	1.1532	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.0358	1 Qntl.	24.787	0.8873746	0
BRM028 : Screened and washed sharp sand for mortar	0.015	1 Cum	907.91	13.61865	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.0358	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.015	1 Cum	442.25	6.63375	0

<b>Total Amount (a+b+c)</b>	175.0833906
<b>Total GST (a)</b>	3.36067488
<b>LABOUR CESS @ 1% (+)</b>	1.7844406548
<b>Grand Total</b>	180.2285061348
<b>Say For Unit 1 (Grand Total/1)</b>	180.2285061348

**Item 5**

**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.	216.3688	5.77704696	0
<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.00614	1Mtr.	216.3688	1.328504432	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>	2141.533044392				
<b>Total GST (a)</b>	0				
<b>LABOUR CESS @ 1% (+)</b>	21.41533044392				
<b>Grand Total</b>	2162.9483748359				
<b>Say For Unit 1 (Grand Total/10)</b>	216.29483748359				

**Item 6**

**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 specifaicon 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.	521.52	1684.5096	303.211728

<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1 Cum	76.88	34.596	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.	1396.62	1256.958	0

<b>b) Carriage Rate Details</b>						
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	907.91	408.5595	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.	471.31	424.179	0	

<b>c) Royalty Rate Details</b>						
Particular	Quantity	Unit	Rate	Amount	GST	
<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	442.25	199.0125	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.	552.5	497.25	0	

<b>Total Amount (a+b+c)</b>	7092.48661				
<b>Total GST (a)</b>	303.211728				
<b>LABOUR CESS @ 1% (+)</b>	73.95698338				
<b>Grand Total</b>	7469.65532138				
<b>Say For Unit 1 (Grand Total/1)</b>	7469.65532138				

<b>Item 7</b>
<b>Masonry Brick Work (AR0603bi):</b> 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/cm2 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.
Sub-Item of Work <b>Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure</b>

<b>a) Specific Rate Details</b>						
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.	521.52	350.46144	63.0830592
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	1 Cum	76.88	21.5264	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	5.14255	1799.8925	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	907.91	254.2148	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	1.7476	611.66	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	442.25	123.83	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>	5383.062004
<b>Total GST (a)</b>	63.0830592
<b>LABOUR CESS @ 1% (+)</b>	54.461450632
<b>Grand Total</b>	5500.606513832
<b>Say For Unit 1 (Grand Total/1)</b>	5500.606513832

#### Item 8

**Special items for irrigation works (AR0201):** Excavation of any approved type of soil in an approved borrow area by mechanical means loading into and transportation by mechanical means and unloading the soil within an initial lead of 1km on a properly prepared and scientifically approved surface including spreading and leveling the earth in 22.5 cm layers to make ready for watering and compaction with sheep foot rollers and dozers but excluding watering and compaction in dams and dykes for all heights including construction, maintenance, watering and lighting of haul road and borrow area, etc. complete as per the direction of Engineer-in charge. (measurement of the fill to be taken on the finished compacted section under OMC condition).

Sub-Item of Work

**Excavation of any approved type of soil in an approved borrow area by mechanical means loading into and transportation by mechanical means and unloading the soil within an initial lead of 1km**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
------------	----------	------	------	--------	-----

<b>BRMMR0101</b> : Cost of mechanical excavation per cum without supervision charge for item AR0201	1	Cum	21.51	21.51	0
<b>BRMMR0103</b> : cost of transportation of loose earth within the initial lead of 1 km, excluding supervision charges- AR0201	1	Cum	28.99	28.99	0
<b>BRMMR0060</b> : Add construction and maintenance of haul road (L.S.)	1	Cum	1.5	1.5	0
<b>BRMMR0106</b> : Add for spreading of earth - AR0201	1	Cum	4	4	0

<b>Total Amount (a+b+c)</b>					56
<b>Total GST (a)</b>					0
<b>LABOUR CESS @ 1% (+)</b>					0.56
<b>Grand Total</b>					56.56
<b>Say For Unit 1 (Grand Total/1)</b>					56.56

**Monalisa Pati**  
**JE**  
**Soro Block**

**Nirmala Kanta Parida**  
**AEE**  
**Soro Block**

**Satyanath Naik**  
**BDO**  
**Soro Block**