

## Analysis

**OD/369/3538/120909/408577/00071077 : Const. of Drainge system at Gatiswarpur Gatiswar  
Mahadev temple to Canal  
Block : Delanga, Gram Panchayat : Arisal  
Created By:PuriDelangaBDO**

<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	60.5	6050	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	406.21	40621	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	75.25	7525	0

Total Amount (a+b+c)	59906.32				
Total GST (a)	0				
OVERHEAD CHARGES @ 7.5% (+)	4492.974				
CONTRACTOR PROFIT @ 7.5% (+)	4829.94705				
LABOUR CESS @ 1% (+)	692.2924105				
Grand Total	69921.5334605				
Say For Unit 1 (Grand Total/100)	699.215334605				

### 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.	570.62	1306.7198	235.209564
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	75	36	0
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	985	945.6	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	731.71	351.2208	0
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	796.81	764.9376	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	75.25	36.12	0
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	309.5	297.12	0

<b>Total Amount (a+b+c)</b>	5697.44043
<b>Total GST (a)</b>	235.209564
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	444.94874955
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	478.31990576625
<b>LABOUR CESS @ 1% (+)</b>	68.559186493162
<b>Grand Total</b>	6924.4778358094
<b>Say For Unit 1 (Grand Total/1)</b>	6924.4778358094

#### Item 4

**R.C.C. Work (AR0404Ah):** 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Walls & Fins up to 4.3 m height)

Sub-Item of Work

**Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>Combine :: R.C.C. Work (AR0404A)</b>					
<b>PM096</b> : Generator 33KVA Generation of Electric Energy 50KVA	0.032	per hour	700	22.4	0
<b>PM083</b> : Concrete Mixer 04/0.28 cum Concrete Mixing 2.5cum/hour	0.032	per hour	229.55	7.3456	0
<b>LR001</b> : Male mulia	0.106664	Per day	462	49.278768	0
<b>LR025</b> : Mason	0.008	Per day	562	4.496	0
<b>LR010</b> : Mate	0.004584	Per day	512	2.347008	0
<b>BRM340</b> : Cement	0.277864	1 Qntl.	570.62	158.55475568	28.5398560224
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.036	1 Cum	75	2.7	0
<b>BRM060</b> : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.0288	1 Cum.	1418.67	40.857696	0
<b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.0432	1 Cum.	1382.29	59.714928	0
<b>Combine :: R.C.C. Work (AR0410f)</b>					
<b>BRM094</b> : Non-sal bullahs 125mm. mean dia of any length.	0.84672	1Mtr.	41.81	35.4013632	0
<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0102732	1Cum.	58374.79	599.695892628	0

<b>LR010</b> : Mate	1.134	Per day	512	580.608	0
<b>LR027</b> : Carpenter	1.134	Per day	562	637.308	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	0.277864	1 Qntl.	24.787	6.887414968	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.036	1 Cum	731.71	26.34156	0
<b>BRM060</b> : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.0288	1 Cum.	796.81	22.948128	0
<b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.0432	1 Cum.	796.81	34.422192	0
<b>BRM094</b> : Non-sal bullahs 125mm. mean dia of any length.	0.0103992	1Mtr.	198.296	2.0621197632	0
<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0102732	1Cum.	198.296	2.0371344672	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	0.277864	1 Qntl.	0	0	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.036	1 Cum	75.25	2.709	0
<b>BRM060</b> : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.0288	1 Cum.	309.5	8.9136	0
<b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.0432	1 Cum.	309.5	13.3704	0
<b>BRM094</b> : Non-sal bullahs 125mm. mean dia of any length.	0.0103992	1Mtr.	0	0	0
<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0102732	1Cum.	0	0	0

<b>Total Amount (a+b+c)</b>	2320.3995607064
<b>Total GST (a)</b>	28.5398560224
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	176.17045625466
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	189.38324047376
<b>LABOUR CESS @ 1% (+)</b>	27.144931134572
<b>Grand Total</b>	2741.6380445918
<b>Say For Unit 1 (Grand Total/1)</b>	2741.6380445918

**Item 5**

**R.C.C. Work (AR0404Ag):** 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)

Sub-Item of Work

**Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>Combine :: R.C.C. Work (AR0404A)</b>					
<b>PM096</b> : Generator 33KVA Generation of Electric Energy 50KVA	0.4	per hour	700	280	0
<b>PM083</b> : Concrete Mixer 04/0.28 cum Concrete Mixing 2.5cum/hour	0.4	per hour	229.55	91.82	0
<b>LR001</b> : Male mulia	1.3333	Per day	462	615.9846	0
<b>LR025</b> : Mason	0.1	Per day	562	56.2	0
<b>LR010</b> : Mate	0.0573	Per day	512	29.3376	0
<b>BRM340</b> : Cement	3.4733	1 Qntl.	570.62	1981.934446	356.74820028
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1 Cum	75	33.75	0
<b>BRM060</b> : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	1 Cum.	1418.67	510.7212	0
<b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	1 Cum.	1382.29	746.4366	0
<b>Combine :: R.C.C. Work (AR0410a)</b>					
<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	6.2216	1Mtr	51.87	322.714392	0
<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	1Cum.	58374.79	2931.418504388	0
<b>LR008</b> : Sangi mulia	3.05525	Per day	512	1564.288	0
<b>LR027</b> : Carpenter	3.05525	Per day	562	1717.0505	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	3.4733	1 Qntl.	24.787	86.0926871	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1 Cum	731.71	329.2695	0
<b>BRM060</b> : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	1 Cum.	796.81	286.8516	0

<b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	1 Cum.	796.81	430.2774	0
<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.076659	1Mtr	198.296	15.201173064	0
<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	1Cum.	198.296	9.9578698912	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	3.4733	1 Qntl.	0	0	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1 Cum	75.25	33.8625	0
<b>BRM060</b> : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	1 Cum.	309.5	111.42	0
<b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	1 Cum.	309.5	167.13	0
<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.076659	1Mtr	0	0	0
<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	1Cum.	0	0	0

<b>Total Amount (a+b+c)</b>	12351.718572443
<b>Total GST (a)</b>	356.74820028
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	953.13500795424
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	1024.6201335508
<b>LABOUR CESS @ 1% (+)</b>	146.86221914228
<b>Grand Total</b>	14833.084133371
<b>Say For Unit 1 (Grand Total/1)</b>	14833.084133371

**Item 6**

**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 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.

Sub-Item of Work

**Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>LR001</b> : Male mulia	8	Per day	462	3696	0
<b>LR046</b> : Blacksmith	3	Per day	612	1836	0
<b>LR010</b> : Mate	0.44	Per day	512	225.28	0
<b>BRM162</b> : Binding Wire.	8	1 Kg.	90.1	720.8	0
<b>BRM341</b> : Steel	10.5	1 Qntl.	5809.9	61003.95	10980.711

<b>b) Carriage Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	10.5	1 Qntl.	24.787	260.2635	0

<b>c) Royalty Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	10.5	1 Qntl.	0	0	0

<b>Total Amount (a+b+c)</b>	67742.2935				
<b>Total GST (a)</b>	10980.711				
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	5904.2253375				
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	6347.0422378125				
<b>LABOUR CESS @ 1% (+)</b>	909.74272075312				
<b>Grand Total</b>	91884.014796066				
<b>Say For Unit 1 (Grand Total/10)</b>	9188.4014796066				

<b>Item 7</b>
<b>Flooring (AR0802i):</b> 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.
Sub-Item of Work <b>2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips</b>

<b>a) Specific Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
LR001 : Male mulia	0.14	Per day	462	64.68	0
LR002 : Female mulia	0.22	Per day	462	101.64	0
LR044 : Mason	0.13	Per day	612	79.56	0
BRM340 : Cement	0.0858	1 Qntl.	570.62	48.959196	8.81265528
BRM028 : Screened and washed sharp sand for mortar	0.012	1 Cum	75	0.9	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)	0.023	1 Cum.	1396.62	32.12226	0

<b>b) Carriage Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.0858	1 Qntl.	24.787	2.1267246	0

<b>BRM028</b> : Screened and washed sharp sand for mortar	0.012	1 Cum	731.71	8.78052	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)	0.023	1 Cum.	796.81	18.32663	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	0.0858	1 Qntl.	0	0	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.012	1 Cum	75.25	0.903	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)	0.023	1 Cum.	309.5	7.1185	0

<b>Total Amount (a+b+c)</b>	365.1168306
<b>Total GST (a)</b>	8.81265528
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	28.044711441
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	30.148064799075
<b>LABOUR CESS @ 1% (+)</b>	4.3212226212008
<b>Grand Total</b>	436.44348474128
<b>Say For Unit 1 (Grand Total/1)</b>	436.44348474128

**LOPAMUDRA PATI**  
**JE**  
**Delanga Block**

**SUBRAT KUMAR BARIK**  
**AEE**  
**Delanga Block**

**PuriDelangaBDO**  
**BDO**  
**Delanga Block**