

## Analysis

**OD/365/3497/120212/391274/00078881 : CONSTRUCTION OF DRAIN FROM TULAGADIA RD  
ROAD TO SIKEN SAHI UNDER RAMCHANDRAPUR GP  
Block : Kaptipada, Gram Panchayat : Ramchandrapur  
Created By:Reshma Tete**

**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

<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

**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	60.43	6043	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	796.81	79681	0

<b>c) Royalty Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM029</b> : Sand for filling and road blinding	100	1 Cum	353.25	35325	0

<b>Total Amount (a+b+c)</b>	126759.32				
<b>Total GST (a)</b>	0				
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	9506.949				
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	10219.970175				
<b>LABOUR CESS @ 1% (+)</b>	1464.86239175				
<b>Grand Total</b>	147951.10156675				
<b>Say For Unit 1 (Grand Total/100)</b>	1479.5110156675				

<b>Item 3</b>
<b>Concrete (AR0303):</b> 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 <b>Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal</b>

<b>a) Specific Rate Details</b>					
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.	608	1392.32	250.6176
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1 Cum	66.85	32.088	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	995.25	955.44	0

<b>b) Carriage Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	2.29	1 Qntl.	66.402	152.06058	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1 Cum	796.81	382.4688	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	861.91	827.4336	0

<b>c) Royalty Rate Details</b>					
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	353.25	169.56	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	579.5	556.32	0

<b>Total Amount (a+b+c)</b>	6370.65098
<b>Total GST (a)</b>	250.6176
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	496.5951435
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	533.8397792625
<b>LABOUR CESS @ 1% (+)</b>	76.517035027625
<b>Grand Total</b>	7728.2205377901
<b>Say For Unit 1 (Grand Total/1)</b>	7728.2205377901

#### Item 4

**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.	608	1963.84	353.4912
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1 Cum	66.85	30.0825	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) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	3.23	1 Qntl.	66.402	214.47846	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1 Cum	796.81	358.5645	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.	861.91	775.719	0

#### c) Royalty Rate Details

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	353.25	158.9625	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.	579.5	521.55	0

<b>Total Amount (a+b+c)</b>	7787.51496
<b>Total GST (a)</b>	353.4912
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	610.575462
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	656.36862165
<b>LABOUR CESS @ 1% (+)</b>	94.0795024365
<b>Grand Total</b>	9502.0297460865
<b>Say For Unit 1 (Grand Total/1)</b>	9502.0297460865

### Item 5

**Plastering (AR1027):** 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.

Sub-Item of Work

**6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>LR001</b> : Male mulia	0.12	Per day	462	55.44	0
<b>LR002</b> : Female mulia	0.05	Per day	462	23.1	0
<b>LR025</b> : Mason	0.14	Per day	562	78.68	0
<b>BRM340</b> : Cement	0.0372	1 Qntl.	608	22.6176	4.071168
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0075	1 Cum	66.85	0.501375	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	0.0372	1 Qntl.	66.402	2.4701544	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0075	1 Cum	796.81	5.976075	0

#### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	0.0372	1 Qntl.	0	0	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0075	1 Cum	353.25	2.649375	0

<b>Total Amount (a+b+c)</b>	191.4345794
<b>Total GST (a)</b>	4.071168
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	14.662931055

<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	15.762650884125
<b>LABOUR CESS @ 1% (+)</b>	2.2593132933913
<b>Grand Total</b>	228.19064263252
<b>Say For Unit 1 (Grand Total/1)</b>	228.19064263252

## Item 6

**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.	245.856	6.5643552	0
<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.00614	1Mtr.	245.856	1.50955584	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>	2142.50140404
<b>Total GST (a)</b>	0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	160.687605303
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	172.73917570073
<b>LABOUR CESS @ 1% (+)</b>	24.759281850437
<b>Grand Total</b>	2500.6874668942
<b>Say For Unit 1 (Grand Total/10)</b>	250.06874668942

**Item 7**

**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
LR001 : Male mulia	8	Per day	462	3696	0
LR046 : Blacksmith	3	Per day	612	1836	0
LR010 : Mate	0.44	Per day	512	225.28	0
BRM162 : Binding Wire.	8	1 Kg.	90	720	0
BRM341 : Steel	10.5	1 Qntl.	6176.71	64855.455	11673.9819

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	10.5	1 Qntl.	66.402	697.221	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	10.5	1 Qntl.	0	0	0

<b>Total Amount (a+b+c)</b>					72029.956
<b>Total GST (a)</b>					11673.9819
<b>OVERHEAD CHARGES @ 7.5% (+)</b>					6277.7953425
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>					6748.6299931875
<b>LABOUR CESS @ 1% (+)</b>					967.30363235688
<b>Grand Total</b>					97697.666868044
<b>Say For Unit 1 (Grand Total/10)</b>					9769.7666868044

**Item 8**

**Earth Work (AR0122Ai):** Earth work in all kinds of soil 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 direction of the Engineer-in-charge.

Sub-Item of Work

**Earth work in all kinds of soil within 50m, initial lead and 1.5m, initial lift**

**a) Specific Rate Details**

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

LR002 : Female mulia	23.6767	Per day	462	10938.6354	0
LR001 : Male mulia	23.6767	Per day	462	10938.6354	0

<b>Total Amount (a+b+c)</b>	21877.2708				
<b>Total GST (a)</b>	0				
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	1640.79531				
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	1763.85495825				
<b>LABOUR CESS @ 1% (+)</b>	252.8192106825				
<b>Grand Total</b>	25534.740278933				
<b>Say For Unit 1 (Grand Total/100)</b>	255.34740278933				

**BHARAT CHANDRA SINGH**  
**JE**  
**Kaptipada Block**

**SADASIBA BEHERA**  
**AEE**  
**Kaptipada Block**

**Reshma Tete**  
**BDO**  
**Kaptipada Block**