

## Analysis

OD/350/3345/117170/398981/00062608 : Repair and Maint of Balipatna Pry School,  
Godijharia , Bhiruda  
Block : Tigiria, Gram Panchayat : Bhiruda  
Created By: Monoswini Das

### 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

**OVERHEAD CHARGES @ 7.5% (+)**

1787.94

**CONTRACTOR PROFIT @ 7.5% (+)**

1922.0355

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

275.491755

**Grand Total**

27824.667255

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

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	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	731.71	73171	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	386.15	38615	0

<b>Total Amount (a+b+c)</b>	124690.32				
<b>Total GST (a)</b>	0				
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	9351.774				
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	10053.15705				
<b>LABOUR CESS @ 1% (+)</b>	1440.9525105				
<b>Grand Total</b>	145536.2035605				
<b>Say For Unit 1 (Grand Total/100)</b>	1455.362035605				

<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.	538.98	1234.2642	222.167556
<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.	946.4	908.544	0

<b>b) Carriage Rate Details</b>					
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	731.71	351.2208	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	471.31	452.4576	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	386.15	185.352	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	259.5	249.12	0

<b>Total Amount (a+b+c)</b>	5377.58323
<b>Total GST (a)</b>	222.167556
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	419.98130895
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	451.47990712125
<b>LABOUR CESS @ 1% (+)</b>	64.712120020713
<b>Grand Total</b>	6535.924122092
<b>Say For Unit 1 (Grand Total/1)</b>	6535.924122092

#### 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.	538.98	19.295484	3.47318712
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	731.71	10.97565	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	386.15	5.79225	0

<b>Total Amount (a+b+c)</b>	172.2239586
<b>Total GST (a)</b>	3.47318712
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	13.177285929
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	14.165582373675
<b>LABOUR CESS @ 1% (+)</b>	2.0304001402267
<b>Grand Total</b>	205.0704141629
<b>Say For Unit 1 (Grand Total/1)</b>	205.0704141629

**Item 5**

**Flooring (AR0817b):** Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.

Sub-Item of Work

**Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753)**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM129</b> : Tiles up to 20cmx30cm / 20cm x 20cm special plain /printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753	10	1 Sqm.	385	3850	0
<b>LR001</b> : Male mulia	3.25	Per day	462	1501.5	0
<b>LR044</b> : Mason	3.25	Per day	612	1989	0
<b>BRM340</b> : Cement	1.375	1 Qntl.	538.98	741.0975	133.39755
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.15	1 Cum	76.88	11.532	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM129</b> : Tiles up to 20cmx30cm / 20cm x 20cm special plain /printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753	10	1 Sqm.	9.6011111	96.011111	0
<b>BRM340</b> : Cement	1.375	1 Qntl.	24.787	34.082125	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.15	1 Cum	731.71	109.7565	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM129</b> : Tiles up to 20cmx30cm / 20cm x 20cm special plain /printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753	10	1 Sqm.	0	0	0
<b>BRM340</b> : Cement	1.375	1 Qntl.	0	0	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.15	1 Cum	386.15	57.9225	0

<b>Total Amount (a+b+c)</b>	8390.901736
<b>Total GST (a)</b>	133.39755
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	639.32244645
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	687.27162993375

<b>LABOUR CESS @ 1% (+)</b>	98.508933623837
<b>Grand Total</b>	9949.4022960076
<b>Say For Unit 1 (Grand Total/10)</b>	994.94022960076

### Item 6

**Masonry Brick Work (AR0603b):** Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth 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 foundation and plinth**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	0.14	Per day	462	64.68	0
LR001 : Male mulia	2.82	Per day	462	1302.84	0
LR025 : Mason	1.05	Per day	562	590.1	0
LR044 : Mason	0.35	Per day	612	214.2	0
BRM340 : Cement	0.672	1 Qntl.	538.98	362.19456	65.1950208
BRM028 : Screened and washed sharp sand for mortar	0.28	1 Cum	76.88	21.5264	0
BRM005 : 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	5.0273	1759.555	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.672	1 Qntl.	24.787	16.656864	0
BRM028 : Screened and washed sharp sand for mortar	0.28	1 Cum	731.71	204.8788	0
BRM005 : 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	0.8641	302.435	0

#### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.672	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.28	1 Cum	386.15	108.122	0
BRM005 : 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	0	0	0

<b>Total Amount (a+b+c)</b>	4947.188624
<b>Total GST (a)</b>	65.1950208

<b>OVERHEAD CHARGES @ 7.5% (+)</b>	375.92877336
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	404.123431362
<b>LABOUR CESS @ 1% (+)</b>	57.92435849522
<b>Grand Total</b>	5850.3602080172
<b>Say For Unit 1 (Grand Total/1)</b>	5850.3602080172

## Item 7

**Other Building Items. (AR1901B):** Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)

Sub-Item of Work

**Vitrified Tile 600mmx600mm Plain Ivory**

### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM174</b> : White Cement.	0.076	1Qntl	2017.18	153.30568	0
<b>BRM340</b> : Cement	1.074	1 Qntl.	538.98	578.86452	104.1956136
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.21	1 Cum	76.88	16.1448	0
<b>BRM131</b> : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B la) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	10	1 Sqm.	643.6	6436	0
<b>LR001</b> : Male mulia	2.16	Per day	462	997.92	0
<b>LR044</b> : Mason	2.16	Per day	612	1321.92	0

### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM174</b> : White Cement.	0.076	1Qntl	24.787	1.883812	0
<b>BRM340</b> : Cement	1.074	1 Qntl.	24.787	26.621238	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.21	1 Cum	731.71	153.6591	0
<b>BRM131</b> : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B la) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	10	1 Sqm.	9.6011111	96.011111	0

### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM174</b> : White Cement.	0.076	1Qntl	0	0	0
<b>BRM340</b> : Cement	1.074	1 Qntl.	0	0	0

<b>BRM028</b> : Screened and washed sharp sand for mortar	0.21	1 Cum	386.15	81.0915	0
<b>BRM131</b> : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm conforming to IS 15622:2006 (Group-B la) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	10	1 Sqm.	0	0	0

<b>Total Amount (a+b+c)</b>	9863.421761
<b>Total GST (a)</b>	104.1956136
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	747.571303095
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	803.63915082713
<b>LABOUR CESS @ 1% (+)</b>	115.18827828522
<b>Grand Total</b>	11634.016106807
<b>Say For Unit 1 (Grand Total/10)</b>	1163.4016106807

### Item 8

**Dismantling (AR1612):** Dismantling and removing 2.5 cm. thick artificial stone flooring including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.

Sub-Item of Work

**Dismantling and removing 2.5 cm. thick artificial stone flooring**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	1.25	Per day	462	577.5	0
LR001 : Male mulia	0.75	Per day	462	346.5	0

<b>Total Amount (a+b+c)</b>	924
<b>Total GST (a)</b>	0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	69.3
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	74.4975
<b>LABOUR CESS @ 1% (+)</b>	10.677975
<b>Grand Total</b>	1078.475475
<b>Say For Unit 1 (Grand Total/9.3)</b>	115.96510483871

### Item 9

**Painting (AR0918hk):** Finishing wall with two coats weather coat paint of approved shade including one coat of water 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)(For repair and maintenance).

Sub-Item of Work

**Finishing wall with two coats weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work(Outside)(For repair and maintenance).**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>Combine :: Painting (AR0918fk)</b>					
BRM255 : Weather Coat (I.S.I.)	0.125	1 Ltr	194.79	24.34875	0
LR001 : Male mulia	0.06528	Per day	462	30.15936	0
LR048 : Painter/ Polisher	0.05508	Per day	612	33.70896	0
<b>Combine :: Painting (AR0901dik)</b>					
BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	1 Ltr	159.03	14.364	0
LR048 : Painter/ Polisher	0.054838709677419	Per day	612	33.561290322581	0
LR001 : Male mulia	0.054838709677419	Per day	462	25.335483870968	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM255 : Weather Coat (I.S.I.)	0.125	1 Ltr	0.24787	0.03098375	0
BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	1 Ltr	0.24787	0.022388258064516	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM255 : Weather Coat (I.S.I.)	0.125	1 Ltr	0	0	0
BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	1 Ltr	0	0	0

<b>Total Amount (a+b+c)</b>	161.53121620161
<b>Total GST (a)</b>	0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	12.114841215121
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	13.023454306255
<b>LABOUR CESS @ 1% (+)</b>	1.8666951172299
<b>Grand Total</b>	188.53620684022
<b>Say For Unit 1 (Grand Total/1)</b>	188.53620684022

**Item 10**

**Flooring (AR0816j):** Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the Chequered tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.

Sub-Item of Work

**Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM134 : Chequered Tiles.	10	1 Sqm.	236.9	2369	0
BRMMR0027 : Wax Polish	10	1 Sqm	8.5	85	0
LR001 : Male mulia	2.16	Per day	462	997.92	0

LR044 : Mason	2.16	Per day	612	1321.92	0
LR008 : Sangi mulia	5.5	Per day	512	2816	0
BRM340 : Cement	2.737	1 Qntl.	538.98	1475.18826	265.5338868
BRM028 : Screened and washed sharp sand for mortar	0.13	1 Cum	76.88	9.9944	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	2.737	1 Qntl.	24.787	67.842019	0
BRM028 : Screened and washed sharp sand for mortar	0.13	1 Cum	731.71	95.1223	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	2.737	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.13	1 Cum	386.15	50.1995	0

<b>Total Amount (a+b+c)</b>	9288.186479
<b>Total GST (a)</b>	265.5338868
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	716.529027435
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	770.26870449263
<b>LABOUR CESS @ 1% (+)</b>	110.40518097728
<b>Grand Total</b>	11150.923278705
<b>Say For Unit 1 (Grand Total/10)</b>	1115.0923278705

**Item 11**

**Painting (AR0921k):** 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)(For repair and maintenance).

Sub-Item of Work

**Finishing wall One Coat with distemper of approved shades on old work (Inside)(For repair and maintenance).**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM142 : Distemper	1.66	1 Kg.	70	116.2	0
LR001 : Male mulia	0.408	Per day	462	188.496	0
LR048 : Painter/ Polisher	0.3366	Per day	612	205.9992	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM142 : Distemper	1.66	1 Kg.	0.24787	0.4114642	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM142 : Distemper	1.66	1 Kg.	0	0	0
<b>Total Amount (a+b+c)</b>				511.1066642	
<b>Total GST (a)</b>				0	
<b>OVERHEAD CHARGES @ 7.5% (+)</b>				38.332999815	
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>				41.207974801125	
<b>LABOUR CESS @ 1% (+)</b>				5.9064763881613	
<b>Grand Total</b>				596.55411520429	
<b>Say For Unit 1 (Grand Total/10)</b>				59.655411520429	

**Mihir Kumar Sethy**  
**JE**  
**Tigiria Block**

**KAILASH DHANDRA SAHOO**  
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**Tigiria Block**

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