

## Analysis

**OD/351/3348/117223/382808/00079328 : RENOVATION OF BANIAKILINDA U.P SCHOOL**  
**Block : Tileibani, Gram Panchayat : Baniakilinda**  
**Created By: SUBASH CHANDRA PRADHAN**

<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	55.45	5545	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	276.01	27601	0

c) Royalty Rate Details					

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM029</b> : Sand for filling and road blinding	100	1 Cum	40.25	4025	0
<b>Total Amount (a+b+c)</b>				42881.32	
<b>Total GST (a)</b>					0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>				3216.099	
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>				3457.306425	
<b>LABOUR CESS @ 1% (+)</b>				495.54725425	
<b>Grand Total</b>				50050.27267925	
<b>Say For Unit 1 (Grand Total/100)</b>				500.5027267925	

### 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.	510.23	1168.4267	210.316806
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1 Cum	63.5	30.48	0
<b>BRM044</b> : 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
<b>BRM340</b> : Cement	2.29	1 Qntl.	36.677	83.99033	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1 Cum	999.91	479.9568	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	536.41	514.9536	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	560.25	268.92	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	156.5	150.24	0

<b>Total Amount (a+b+c)</b>	5555.36743
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<b>Total GST (a)</b>	210.316806
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	432.4263177
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	464.8582915275
<b>LABOUR CESS @ 1% (+)</b>	66.629688452275
<b>Grand Total</b>	6729.5985336798
<b>Say For Unit 1 (Grand Total/1)</b>	6729.5985336798

#### 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.	510.23	18.266234	3.28792212
BRM028 : Screened and washed sharp sand for mortar	0.015	1 Cum	63.5	0.9525	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.0358	1 Qntl.	36.677	1.3130366	0
BRM028 : Screened and washed sharp sand for mortar	0.015	1 Cum	999.91	14.99865	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	560.25	8.40375	0

<b>Total Amount (a+b+c)</b>	178.0541706
<b>Total GST (a)</b>	3.28792212
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	13.600656954
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	14.62070622555
<b>LABOUR CESS @ 1% (+)</b>	2.0956345589955
<b>Grand Total</b>	211.65909045855
<b>Say For Unit 1 (Grand Total/1)</b>	211.65909045855

**Item 5**

**Plastering (AR1014):** 16mm thick cement Plaster in CM (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

**16mm thick cement Plaster in CM (1:6) over brick work in inside.**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	0.11	Per day	462	50.82	0
LR001 : Male mulia	0.13	Per day	462	60.06	0
LR025 : Mason	0.16	Per day	562	89.92	0
BRM340 : Cement	0.043	1 Qntl.	510.23	21.93989	3.9491802
BRM028 : Screened and washed sharp sand for mortar	0.018	1 Cum	63.5	1.143	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.043	1 Qntl.	36.677	1.577111	0
BRM028 : Screened and washed sharp sand for mortar	0.018	1 Cum	999.91	17.99838	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.043	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.018	1 Cum	560.25	10.0845	0

**Total Amount (a+b+c)**

253.542881

**Total GST (a)**

3.9491802

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

19.31190459

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

20.76029743425

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

2.9756426322425

**Grand Total**

300.53990585649

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

300.53990585649

**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**

<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>LR002</b> : Female mulia	0.14	Per day	462	64.68	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.	510.23	342.87456	61.7174208	
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	1 Cum	63.5	17.78	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>b) Carriage 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	0.672	1 Qntl.	36.677	24.646944	0	
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	1 Cum	999.91	279.9748	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	1.1586	405.51	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	0.672	1 Qntl.	0	0	0	
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	1 Cum	560.25	156.87	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>	5199.368804					
<b>Total GST (a)</b>	61.7174208					
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	394.58146686					
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	424.1750768745					
<b>LABOUR CESS @ 1% (+)</b>	60.798427685345					
<b>Grand Total</b>	6140.6411962198					
<b>Say For Unit 1 (Grand Total/1)</b>	6140.6411962198					

## Item 7

**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/cm2 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
LR002 : Female mulia	0.14	Per day	462	64.68	0
BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	1 Cum	33	33	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.	510.23	342.87456	61.7174208
BRM028 : Screened and washed sharp sand for mortar	0.28	1 Cum	63.5	17.78	0
BRM005 : 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
BRM340 : Cement	0.672	1 Qntl.	36.677	24.646944	0
BRM028 : Screened and washed sharp sand for mortar	0.28	1 Cum	999.91	279.9748	0
BRM005 : 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	1.1586	405.51	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	560.25	156.87	0
BRM005 : 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>	5232.368804
<b>Total GST (a)</b>	61.7174208
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	397.05646686
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	426.8357018745
<b>LABOUR CESS @ 1% (+)</b>	61.179783935345
<b>Grand Total</b>	6179.1581774698
<b>Say For Unit 1 (Grand Total/1)</b>	6179.1581774698

**Item 8**

**Painting (AR0918cb):** Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)

Sub-Item of Work

**Finishing wall two coats with weather coat with one coat waterbound Primer**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>Combine :: Painting (AR0918f)</b>					
<b>BRM255</b> : Weather Coat (I.S.I.)	0.125	1 Ltr	194.79	24.34875	0
<b>LR001</b> : Male mulia	0.064	Per day	462	29.568	0
<b>LR048</b> : Painter/ Polisher	0.054	Per day	612	33.048	0
<b>Combine :: Painting (AR0901di)</b>					
<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.090322580645161	1 Ltr	159.03	14.364	0
<b>LR048</b> : Painter/ Polisher	0.053763440860215	Per day	612	32.903225806452	0
<b>LR001</b> : Male mulia	0.053763440860215	Per day	462	24.838709677419	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM255</b> : Weather Coat (I.S.I.)	0.125	1 Ltr	0.36677	0.04584625	0
<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.090322580645161	1 Ltr	0.36677	0.033127612903226	0

**c) Royalty Rate Details**

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

<b>Total Amount (a+b+c)</b>	159.14965934677
<b>Total GST (a)</b>	0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	11.936224451008
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	12.831441284834
<b>LABOUR CESS @ 1% (+)</b>	1.8391732508262
<b>Grand Total</b>	185.75649833344
<b>Say For Unit 1 (Grand Total/1)</b>	185.75649833344

**Item 9**

**Iron Work (AR1704):** 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  
**Iron Doors and windows fixing**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	0.508	1 Qntl.	7411.8	3765.1944	677.734992
LR001 : Male mulia	3.25	Per day	462	1501.5	0
LR011 : Helper to carpenter or Blacksmith/ Painter/ Blaster/Plumber/ Electrician/ Fitter/Welder	1	Per day	512	512	0
LR028 : Fitter	1	Per day	562	562	0
LR047 : Fitter	1	Per day	612	612	0
LR026 : Black smith	1	Per day	562	562	0
LR046 : Blacksmith	0.75	Per day	612	459	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	0.508	1 Qntl.	36.677	18.631916	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	0.508	1 Qntl.	0	0	0

<b>Total Amount (a+b+c)</b>					7992.326316
<b>Total GST (a)</b>					677.734992
<b>OVERHEAD CHARGES @ 7.5% (+)</b>					650.2545981
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>					699.0236929575
<b>LABOUR CESS @ 1% (+)</b>					100.19339599058
<b>Grand Total</b>					10119.532995048
<b>Say For Unit 1 (Grand Total/0.508)</b>					19920.340541433

**Item 10**

**Dismantling (AR1618):** Dismantling and removing doors, windows and ventilators including removal of frame, hinges, fastening and stacking the same for reuse and removing the debris within 50m and as per direction of Engineer-in-Charge.

Sub-Item of Work  
**Dismantling and removing doors, windows and ventilators**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
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LR002 : Female mulia	1	Per day	462	462	0
LR001 : Male mulia	0.6	Per day	462	277.2	0
LR027 : Carpenter	0.5	Per day	562	281	0

<b>Total Amount (a+b+c)</b>	1020.2				
<b>Total GST (a)</b>	0				
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	76.515				
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	82.253625				
<b>LABOUR CESS @ 1% (+)</b>	11.78968625				
<b>Grand Total</b>	1190.75831125				
<b>Say For Unit 1 (Grand Total/2.6)</b>	457.98396586538				

**BHOLANATH MAJHI**  
**JE**  
**Tileibani Block**

**DARSHAN KUMAR PUROHIT**  
**AEE**  
**Tileibani Block**

**Priyadarshani Mirdha**  
**BDO**  
**Tileibani Block**