

## Analysis

**OD/366/3517/120498/427933/00065198 : Repair and maintenance of Upper Primary School  
Pilika  
Block : Nabarangpur, Gram Panchayat : Taragam  
Created By: SUNIL KHORA**

### Item 1

**Other Building Items. (AR1901Ba):** Supplying, fitting & fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) 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 work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.

Sub-Item of Work  
**Vitrified Tile 600mmx600mm Coloured /Printed**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM132</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 Coloured / Printed series(Homogeneous)	10	1 Sqm.	695.76	6957.6	0
<b>BRM174</b> : White Cement.	0.076	1Qntl	2017.18	153.30568	0
<b>BRM340</b> : Cement	1.074	1 Qntl.	561	602.514	108.45252
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.21	1 Cum	76.13	15.9873	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>BRM132</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 Coloured / Printed series(Homogeneous)	10	1 Sqm.	11.2375001	112.375001	0
<b>BRM174</b> : White Cement.	0.076	1Qntl	30.732	2.335632	0
<b>BRM340</b> : Cement	1.074	1 Qntl.	30.732	33.006168	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.21	1 Cum	341.11	71.6331	0

#### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
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<b>BRM132</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 Coloured / Printed series(Homogeneous)	10	1 Sqm.	0	0	0
<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	40.25	8.4525	0

<b>Total Amount (a+b+c)</b>	10277.049381
<b>Total GST (a)</b>	108.45252
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	778.912642575
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	837.33109076813
<b>LABOUR CESS @ 1% (+)</b>	120.01745634343
<b>Grand Total</b>	12121.763090687
<b>Say For Unit 1 (Grand Total/10)</b>	1212.1763090687

## Item 2

**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.	561	1284.69	231.2442
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1 Cum	76.13	36.5424	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.	30.732	70.37628	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1 Cum	341.11	163.7328	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	341.11	327.4656	0

### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
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<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	40.25	19.32	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	149.5	143.52	0

<b>Total Amount (a+b+c)</b>	4904.04708
<b>Total GST (a)</b>	231.2442
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	385.146846
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	414.03285945
<b>LABOUR CESS @ 1% (+)</b>	59.3447098545
<b>Grand Total</b>	5993.8156953045
<b>Say For Unit 1 (Grand Total/1)</b>	5993.8156953045

### Item 3

**Masonry Brick Work (AR0603ei):** Brickwork with C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in superstructure 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

**C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in superstructure**

#### a) Specific Rate Details

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>BRM002</b> : Well burnt clamp burnt bricks (23 Cm. x 11Cm. x 8Cm.) having crushing strength not less than 35 Kg./Cm <sup>2</sup> with dimensional tolerance $\pm 8$ percent.	400	1000 Nos	3.86472	1545.888	0
<b>LR001</b> : Male mulia	2.96	Per day	462	1367.52	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.	561	376.992	67.85856
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	1 Cum	76.13	21.3164	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM002</b> : Well burnt clamp burnt bricks (23 Cm. x 11Cm. x 8Cm.) having crushing strength not less than 35 Kg./Cm <sup>2</sup> with dimensional tolerance $\pm 8$ percent.	400	1000 Nos	0.8091	323.64	0
<b>BRM340</b> : Cement	0.672	1 Qntl.	30.732	20.651904	0

<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	1 Cum	341.11	95.5108	0
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**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM002</b> : Well burnt clamp burnt bricks (23 Cm. x 11Cm. x 8Cm.) having crushing strength not less than 35 Kg./Cm2 with dimensional tolerance $\pm$ 8 percent.	400	1000 Nos	0.04025	16.1	0
<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	40.25	11.27	0

<b>Total Amount (a+b+c)</b>	4680.869104
<b>Total GST (a)</b>	67.85856
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	356.1545748
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	382.86616791
<b>LABOUR CESS @ 1% (+)</b>	54.8774840671
<b>Grand Total</b>	5542.6258907771
<b>Say For Unit 1 (Grand Total/1)</b>	5542.6258907771

**Item 4**

**Plastering (AR1004i):** 12mm thick cement plaster (1:6) over Brick work in outside 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 outside.**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>LR002</b> : Female mulia	0.05	Per day	462	23.1	0
<b>LR001</b> : Male mulia	0.07	Per day	462	32.34	0
<b>LR025</b> : Mason	0.14	Per day	562	78.68	0
<b>BRM340</b> : Cement	0.0358	1 Qntl.	561	20.0838	3.615084
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	1 Cum	76.13	1.14195	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	0.0358	1 Qntl.	30.732	1.1002056	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	1 Cum	341.11	5.11665	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	0.0358	1 Qntl.	0	0	0

<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.015	1 Cum	40.25	0.60375	0
<b>Total Amount (a+b+c)</b>	162.1663556				
<b>Total GST (a)</b>	3.615084				
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	12.43360797				
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	13.36612856775				
<b>LABOUR CESS @ 1% (+)</b>	1.9158117613775				
<b>Grand Total</b>	193.49698789913				
<b>Say For Unit 1 (Grand Total/1)</b>	193.49698789913				

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