

## Analysis

OD/359/3430/118981/415500/00013530 : Repair and Maintenance of Ganjuguda Primary School Building

Block : Phulbani, Gram Panchayat : Ganjuguda  
Created By:SOUMYA RANJAN PATRO

### Item 1

**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	452	565	0
LR001 : Male mulia	0.75	Per day	452	339	0

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

904

**Total GST (a)**

0

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

9.04

**Grand Total**

913.04

**Say For Unit 1 (Grand Total/9.3)**

98.176344086021

### Item 2

**Dismantling (AR1613):** Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead and as per direction of Engineer-in-Charge.

Sub-Item of Work

**Removing old lime or cement plaster**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR001 : Male mulia	1	Per day	452	452	0

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

452

**Total GST (a)**

0

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

4.52

**Grand Total**

456.52

**Say For Unit 1 (Grand Total/9.3)**

49.088172043011

**Item 3**

**Other Building Items. (AR1901A):** Supplying, fitting and fixing Vitrified Tile 600mmx600mm Plain (Ivory) of approved make conforming to IS :13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS :15477 of 3mm thick bed and filling joints with white cement of approved quality including cost of all materials, labour ,T&P,etc. required for the work all complete as per direction of Engineer-in-Charge(for repair work only)

Sub-Item of Work

**Supplying, fitting and fixing vitrified tile in floors of size 600mm x 600mm of approved make conforming to IS :13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS :15477 of 3mm thick bed and fillin**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
LR001 : Male mulia	2.16	Per day	452	976.32	0
LR044 : Mason	2.16	Per day	602	1300.32	0
BRM174 : White Cement.	0.076	1Qntl	2017.18	153.30568	0
BRM256 : Adhesive (I.S.I.)	54	1 Kg	217.4	11739.6	0
BRM131 : 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.	651.08	6510.8	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM174 : White Cement.	0.076	1Qntl	36.677	2.787452	0
BRM131 : 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.	12.8738891	128.738891	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM174 : White Cement.	0.076	1Qntl	0	0	0
BRM131 : 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.	0	0	0

<b>Total Amount (a+b+c)</b>	20811.872023
<b>Total GST (a)</b>	0
<b>LABOUR CESS @ 1% (+)</b>	208.11872023
<b>Grand Total</b>	21019.99074323

Say For Unit 1 (Grand Total/10)	2101.999074323
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**Item 4**

**Flooring (AR0817aa):** Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.

Sub-Item of Work  
**Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3)**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<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.	651.08	6510.8	0
<b>BRMMR0027</b> : Wax Polish	10	1 Sqm	8.5	85	0
<b>LR044</b> : Mason	3.25	Per day	602	1956.5	0
<b>LR001</b> : Male mulia	3.25	Per day	452	1469	0
<b>LR008</b> : Sangi mulia	7.6	Per day	502	3815.2	0
<b>BRM340</b> : Cement	1.375	1 Qntl.	532.8	732.6	205.128
<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>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.	12.8738891	128.738891	0
<b>BRM340</b> : Cement	1.375	1 Qntl.	36.677	50.430875	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.15	1 Cum	406.21	60.9315	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
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<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.	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	70.25	10.5375	0

<b>Total Amount (a+b+c)</b>	14831.270766
<b>Total GST (a)</b>	205.128
<b>LABOUR CESS @ 1% (+)</b>	150.36398766
<b>Grand Total</b>	15186.76275366
<b>Say For Unit 1 (Grand Total/10)</b>	1518.676275366

### Item 5

**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/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 superstructure**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>LR002</b> : Female mulia	0.14	Per day	452	63.28	0
<b>BRMMR0025</b> : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	1 Cum	33	33	0
<b>LR001</b> : Male mulia	2.82	Per day	452	1274.64	0
<b>LR025</b> : Mason	1.05	Per day	552	579.6	0
<b>LR044</b> : Mason	0.35	Per day	602	210.7	0
<b>BRM340</b> : Cement	0.672	1 Qntl.	532.8	358.0416	100.251648
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	1 Cum	76.88	21.5264	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./Cm <sup>2</sup> with dimensional tolerance $\pm 2$ %	350	1000 Nos	5.1	1785	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340 : Cement</b>	0.672	1 Qntl.	36.677	24.646944	0
<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.28	1 Cum	406.21	113.7388	0
<b>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 <math>\pm 2\%</math></b>	350	1000 Nos	1.1586	405.51	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340 : Cement</b>	0.672	1 Qntl.	0	0	0
<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.28	1 Cum	70.25	19.67	0
<b>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 <math>\pm 2\%</math></b>	350	1000 Nos	0.04025	14.0875	0

<b>Total Amount (a+b+c)</b>	4903.441244
<b>Total GST (a)</b>	100.251648
<b>LABOUR CESS @ 1% (+)</b>	50.03692892
<b>Grand Total</b>	5053.72982092
<b>Say For Unit 1 (Grand Total/1)</b>	5053.72982092

**Item 6**

**Plastering (AR1004):** 12mm thick cement plster (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 plster (1:6) over Brick work in inside**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>LR002 : Female mulia</b>	0.05	Per day	452	22.6	0
<b>LR001 : Male mulia</b>	0.07	Per day	452	31.64	0
<b>LR025 : Mason</b>	0.14	Per day	552	77.28	0
<b>BRM340 : Cement</b>	0.0358	1 Qntl.	532.8	19.07424	5.3407872
<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.015	1 Cum	76.88	1.1532	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340 : Cement</b>	0.0358	1 Qntl.	36.677	1.3130366	0

<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.015	1 Cum	406.21	6.09315	0
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**c) Royalty Rate Details**

<b>Particular</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>	<b>GST</b>
<b>BRM340 : Cement</b>	0.0358	1 Qntl.	0	0	0
<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.015	1 Cum	70.25	1.05375	0

<b>Total Amount (a+b+c)</b>	160.2073766				
<b>Total GST (a)</b>	5.3407872				
<b>LABOUR CESS @ 1% (+)</b>	1.655481638				
<b>Grand Total</b>	167.203645438				
<b>Say For Unit 1 (Grand Total/1)</b>	167.203645438				

**Item 7**

**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**

<b>Particular</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>	<b>GST</b>
<b>LR002 : Female mulia</b>	0.11	Per day	452	49.72	0
<b>LR001 : Male mulia</b>	0.13	Per day	452	58.76	0
<b>LR025 : Mason</b>	0.16	Per day	552	88.32	0
<b>BRM340 : Cement</b>	0.043	1 Qntl.	532.8	22.9104	6.414912
<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.018	1 Cum	76.88	1.38384	0

**b) Carriage Rate Details**

<b>Particular</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>	<b>GST</b>
<b>BRM340 : Cement</b>	0.043	1 Qntl.	36.677	1.577111	0
<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.018	1 Cum	406.21	7.31178	0

**c) Royalty Rate Details**

<b>Particular</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>	<b>GST</b>
<b>BRM340 : Cement</b>	0.043	1 Qntl.	0	0	0
<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.018	1 Cum	70.25	1.2645	0

<b>Total Amount (a+b+c)</b>	231.247631
<b>Total GST (a)</b>	6.414912
<b>LABOUR CESS @ 1% (+)</b>	2.37662543
<b>Grand Total</b>	240.03916843
<b>Say For Unit 1 (Grand Total/1)</b>	240.03916843

### Item 8

**Painting (AR0920ak):** Finishing wall two coats with plastic emulsion paint of approved shades with one coat oilbound Primer on new work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge(Inside)(For repair and maintenance).

Sub-Item of Work  
**First Floor**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>Combine :: Painting (AR0920k)</b>					
<b>BRM140 : Plastic Emulsion paint</b>	0.125	1 Litre	249.34	31.1675	5.61015
<b>LR048 : Painter/ Polisher</b>	0.0567324	Per day	602	34.1529048	0
<b>LR001 : Male mulia</b>	0.0672384	Per day	452	30.3917568	0
<b>Combine :: Painting (AR0901ck)</b>					
<b>BRM252 : Wall cement primer (I.S.I.) Oil bound</b>	0.084	1 Ltr	125.5	10.542	0
<b>LR048 : Painter/ Polisher</b>	0.056483870967742	Per day	602	34.003290322581	0
<b>LR001 : Male mulia</b>	0.056483870967742	Per day	452	25.530709677419	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM140 : Plastic Emulsion paint</b>	0.125	1 Litre	0.36677	0.04584625	0
<b>BRM252 : Wall cement primer (I.S.I.) Oil bound</b>	0.084	1 Ltr	0.36677	0.03080868	0

#### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM140 : Plastic Emulsion paint</b>	0.125	1 Litre	0	0	0
<b>BRM252 : Wall cement primer (I.S.I.) Oil bound</b>	0.084	1 Ltr	0	0	0

<b>Total Amount (a+b+c)</b>	165.86481653
<b>Total GST (a)</b>	5.61015
<b>LABOUR CESS @ 1% (+)</b>	1.7147496653

<b>Grand Total</b>	173.1897161953
<b>Say For Unit 1 (Grand Total/1)</b>	173.1897161953

<b>Item 9</b>
<b>Other Building Items. (AR1902):</b> Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,etc.complete. and as per the direction of Engineer in Charge.
Sub-Item of Work <b>cement based wall putty (water based)</b>

<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>BRMMR0038 : Cement based putty</b>	8	kg	30	240	0
<b>LR001 : Male mulia</b>	0.57	Per day	452	257.64	0
<b>LR025 : Mason</b>	0.5	Per day	552	276	0
<b>Total Amount (a+b+c)</b>				773.64	
<b>Total GST (a)</b>					0
<b>LABOUR CESS @ 1% (+)</b>					7.7364
<b>Grand Total</b>					781.3764
<b>Say For Unit 1 (Grand Total/10)</b>					78.13764

**SANTOSHI SAHOO**  
**JE**  
**Phulbani Block**

**Bishnu Prasad Khadanga**  
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