

## Analysis

**OD/346/3304/116211/393426/00068477 : Repair & Maintenance of Samsarpur Pry.  
Block : Khaira, Gram Panchayat : Govindapur  
Created By:Narayan Sahu**

<b>Item 1</b>
<b>Dismantling (AR1620):</b> Dismantling and removing 2.5 cm thick grading concrete from roof slab cleaning the surface lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.
Sub-Item of Work <b>Dismantling and removing 2.5 cm thick grading concrete from roof</b>

a) Specific Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	1.5	Per day	462	693	0
LR001 : Male mulia	0.75	Per day	462	346.5	0
<b>Total Amount (a+b+c)</b>				1039.5	
<b>Total GST (a)</b>					0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>					77.9625
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>					83.8096875
<b>LABOUR CESS @ 1% (+)</b>					12.012721875
<b>Grand Total</b>					1213.284909375
<b>Say For Unit 1 (Grand Total/9.3)</b>					130.46074294355

<b>Item 2</b>
<b>Concrete (AR0317):</b> 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting 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 specifaion and direction of Engineer-in charge. (new work)
Sub-Item of Work <b>2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips</b>

a) Specific Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
LR001 : Male mulia	0.36	Per day	462	166.32	0
LR044 : Mason	0.1	Per day	612	61.2	0
BRM340 : Cement	0.1208	1 Qntl.	537.2	64.89376	11.6808768
BRM028 : Screened and washed sharp sand for mortar	0.0169	1 Cum	76.88	1.299272	0

<b>BRM064</b> : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.0169	1 Cum.	850.2	14.36838	0
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**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	0.1208	1 Qntl.	24.787	2.9942696	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0169	1 Cum	1009.11	17.053959	0
<b>BRM064</b> : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.0169	1 Cum.	601.51	10.165519	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	0.1208	1 Qntl.	0	0	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0169	1 Cum	442.25	7.474025	0
<b>BRM064</b> : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.0169	1 Cum.	1125.5	19.02095	0

<b>Total Amount (a+b+c)</b>	364.7901346
<b>Total GST (a)</b>	11.6808768
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	28.235325855
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	30.352975294125
<b>LABOUR CESS @ 1% (+)</b>	4.3505931254912
<b>Grand Total</b>	439.40990567462
<b>Say For Unit 1 (Grand Total/1)</b>	439.40990567462

**Item 3**

**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
<b>LR002</b> : Female mulia	1.25	Per day	462	577.5	0
<b>LR001</b> : 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 4

**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
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.	537.2	360.9984	64.979712
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	5.14255	1799.8925	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	1009.11	282.5508	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	1.65925	580.7375	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	442.25	123.83	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>	5391.012464
<b>Total GST (a)</b>	64.979712
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	409.1994132
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	439.88936919
<b>LABOUR CESS @ 1% (+)</b>	63.0508095839
<b>Grand Total</b>	6368.1317679739
<b>Say For Unit 1 (Grand Total/1)</b>	6368.1317679739

### Item 5

**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
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.	537.2	19.23176	3.4617168
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	1009.11	15.13665	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	442.25	6.63375	0

<b>Total Amount (a+b+c)</b>	177.1627346
<b>Total GST (a)</b>	3.4617168
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	13.546833855
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	14.562846394125
<b>LABOUR CESS @ 1% (+)</b>	2.0873413164912
<b>Grand Total</b>	210.82147296562
<b>Say For Unit 1 (Grand Total/1)</b>	210.82147296562

**Item 6**

**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.	537.2	23.0996	4.157928
BRM028 : Screened and washed sharp sand for mortar	0.018	1 Cum	76.88	1.38384	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.043	1 Qntl.	24.787	1.065841	0
BRM028 : Screened and washed sharp sand for mortar	0.018	1 Cum	1009.11	18.16398	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	442.25	7.9605	0

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

252.473761

**Total GST (a)**

4.157928

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

19.247376675

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

20.690929925625

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

2.9656999560063

**Grand Total**

299.53569555663

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

299.53569555663

**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**

<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>BRM174</b> : White Cement.	0.076	1Qntl	2017.18	153.30568	0
<b>BRM340</b> : Cement	1.074	1 Qntl.	537.2	576.9528	103.851504
<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.	651.08	6510.8	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>b) Carriage Rate Details</b>					
<b>Particular</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>	<b>GST</b>
<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	1009.11	211.9131	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

<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>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	442.25	92.8725	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.	0	0	0

<b>Total Amount (a+b+c)</b>	10006.345041
<b>Total GST (a)</b>	103.851504
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	758.264740875
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	815.13459644062
<b>LABOUR CESS @ 1% (+)</b>	116.83595882316
<b>Grand Total</b>	11800.431841139
<b>Say For Unit 1 (Grand Total/10)</b>	1180.0431841139

**Item 8**

**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	612	1989	0
<b>LR001</b> : Male mulia	3.25	Per day	462	1501.5	0
<b>LR008</b> : Sangi mulia	7.6	Per day	512	3891.2	0
<b>BRM340</b> : Cement	1.375	1 Qntl.	537.2	738.65	132.957
<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.	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	1009.11	151.3665	0

**c) Royalty 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.	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	442.25	66.3375	0

<b>Total Amount (a+b+c)</b>	15075.479236
<b>Total GST (a)</b>	132.957
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	1140.6327177
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	1226.1801715275
<b>LABOUR CESS @ 1% (+)</b>	175.75249125228
<b>Grand Total</b>	17751.00161648
<b>Say For Unit 1 (Grand Total/10)</b>	1775.100161648

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