

Analysis

**OD/354/3380/117903/411585/00017569 : Repair and maintenance of Primary School of
Gothali PS**

**Block : Polosara, Gram Panchayat : Budhaisuni
Created By:SASI BHUSAN MAHAPATRO**

Item 1
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
BRM174 : White Cement.	0.076	1Qntl	2017.18	153.30568	0
BRM340 : Cement	1.074	1 Qntl.	568.23	610.27902	170.8781256
BRM028 : Screened and washed sharp sand for mortar	0.21	1 Cum	66.23	13.9083	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
LR001 : Male mulia	2.16	Per day	462	997.92	0
LR044 : Mason	2.16	Per day	612	1321.92	0

b) Carriage Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM174 : White Cement.	0.076	1Qntl	30.732	2.335632	0
BRM340 : Cement	1.074	1 Qntl.	30.732	33.006168	0
BRM028 : Screened and washed sharp sand for mortar	0.21	1 Cum	341.11	71.6331	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.	11.2375001	112.375001	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM174 : White Cement.	0.076	1Qntl	0	0	0
BRM340 : Cement	1.074	1 Qntl.	0	0	0

BRM028 : Screened and washed sharp sand for mortar	0.21	1 Cum	40.25	8.4525	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

Total Amount (a+b+c)	9835.935401				
Total GST (a)	170.8781256				
LABOUR CESS @ 1% (+)	100.068135266				
Grand Total	10106.881661866				
Say For Unit 1 (Grand Total/10)	1010.6881661866				

Item 2

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
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
BRMMR0027 : Wax Polish	10	1 Sqm	8.5	85	0
LR044 : Mason	3.25	Per day	612	1989	0
LR001 : Male mulia	3.25	Per day	462	1501.5	0
LR008 : Sangi mulia	7.6	Per day	512	3891.2	0
BRM340 : Cement	1.375	1 Qntl.	568.23	781.31625	218.76855
BRM028 : Screened and washed sharp sand for mortar	0.15	1 Cum	66.23	9.9345	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
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.	11.2375001	112.375001	0
BRM340 : Cement	1.375	1 Qntl.	30.732	42.2565	0

BRM028 : Screened and washed sharp sand for mortar	0.15	1 Cum	341.11	51.1665	0
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c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
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
BRM340 : Cement	1.375	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.15	1 Cum	40.25	6.0375	0

Total Amount (a+b+c)	14980.586251
Total GST (a)	218.76855
LABOUR CESS @ 1% (+)	151.99354801
Grand Total	15351.34834901
Say For Unit 1 (Grand Total/10)	1535.134834901

Item 3

Concrete (AR0317): 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 specification and direction of Engineer-in charge. (new work)

Sub-Item of Work

2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips

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.	568.23	68.642184	19.21981152
BRM028 : Screened and washed sharp sand for mortar	0.0169	1 Cum	66.23	1.119287	0
BRM064 : 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.	813.91	13.755079	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.1208	1 Qntl.	30.732	3.7124256	0
BRM028 : Screened and washed sharp sand for mortar	0.0169	1 Cum	341.11	5.764759	0

BRM064 : 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.	341.11	5.764759	0
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c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.1208	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.0169	1 Cum	40.25	0.680225	0
BRM064 : 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.	149.5	2.52655	0

Total Amount (a+b+c)	329.4852686
Total GST (a)	19.21981152
LABOUR CESS @ 1% (+)	3.4870508012
Grand Total	352.1921309212
Say For Unit 1 (Grand Total/1)	352.1921309212

Item 4

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/cm² with dimensional tolerance ±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.	568.23	381.85056	106.9181568
BRM028 : Screened and washed sharp sand for mortar	0.28	1 Cum	66.23	18.5444	0
BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance ± 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.	30.732	20.651904	0

BRM028 : Screened and washed sharp sand for mortar	0.28	1 Cum	341.11	95.5108	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 ± 2 %	350	1000 Nos	1.01135	353.9725	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	40.25	11.27	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 ± 2 %	350	1000 Nos	0.04025	14.0875	0

Total Amount (a+b+c)	4867.600164
Total GST (a)	106.9181568
LABOUR CESS @ 1% (+)	49.745183208
Grand Total	5024.263504008
Say For Unit 1 (Grand Total/1)	5024.263504008

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