

## Analysis

**OD/366/3518/120499/427974/00065226 : Construction of Community Hall near Arabinda  
Purnango Sikhshya Mandir Integral School at B Maliguda  
Block : Nandahandi, Gram Panchayat : Baniamaliguda  
Created By:Khirode Chandra Sahu**

<b>Item 1</b>
<b>R.C.C. Work (AR0404A):</b> Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section 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. (excluding centring and shuttering)
Sub-Item of Work <b>First floor</b>

<b>a) Specific Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
<b>PM096</b> : Generator 33KVA Generation of Electric Energy 50KVA	0.4	per hour	700	280	0
<b>PM083</b> : Concrete Mixer 04/0.28 cum Concrete Mixing 2.5cum/hour	0.4	per hour	229.55	91.82	0
<b>LR001</b> : Male mulia	1.533295	Per day	462	708.38229	0
<b>LR025</b> : Mason	0.115	Per day	562	64.63	0
<b>LR010</b> : Mate	0.065895	Per day	512	33.73824	0
<b>BRM340</b> : Cement	3.4733	1 Qntl.	561	1948.5213	350.733834
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1 Cum	76.13	34.2585	0
<b>BRM060</b> : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	1 Cum.	1418.67	510.7212	0
<b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	1 Cum.	1382.29	746.4366	0

<b>b) Carriage Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	3.4733	1 Qntl.	39.055	135.6497315	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1 Cum	796.81	358.5645	0
<b>BRM060</b> : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	1 Cum.	796.81	286.8516	0

<b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	1 Cum.	796.81	430.2774	0
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<b>c) Royalty Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	3.4733	1 Qntl.	0	0	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1 Cum	40.25	18.1125	0
<b>BRM060</b> : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	1 Cum.	149.5	53.82	0
<b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	1 Cum.	149.5	80.73	0

<b>Total Amount (a+b+c)</b>	5782.5138615
<b>Total GST (a)</b>	350.733834
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	459.9935771625
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	494.49309544969
<b>LABOUR CESS @ 1% (+)</b>	70.877343681122
<b>Grand Total</b>	7158.6117117933
<b>Say For Unit 1 (Grand Total/1)</b>	7158.6117117933

<b>Item 2</b>
<b>R.C.C. Work (AR0409):</b> Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.
Sub-Item of Work <b>First floor</b>

<b>a) Specific Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
<b>LR001</b> : Male mulia	8.4	Per day	462	3880.8	0
<b>LR046</b> : Blacksmith	3.15	Per day	612	1927.8	0
<b>LR010</b> : Mate	0.462	Per day	512	236.544	0
<b>BRM162</b> : Binding Wire.	8	1 Kg.	90.1	720.8	0
<b>BRM341</b> : Steel	10.5	1 Qntl.	6183.17	64923.285	11686.1913

<b>b) Carriage Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM341</b> : Steel	10.5	1 Qntl.	39.055	410.0775	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	10.5	1 Qntl.	0	0	0

Total Amount (a+b+c)	72099.3065				
Total GST (a)	11686.1913				
OVERHEAD CHARGES @ 7.5% (+)	6283.912335				
CONTRACTOR PROFIT @ 7.5% (+)	6755.205760125				
LABOUR CESS @ 1% (+)	968.24615895125				
Grand Total	97792.862054076				
Say For Unit 1 (Grand Total/10)	9779.2862054076				

<b>Item 3</b>
<b>Flooring (AR0817aa):</b> 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 <b>First floor</b>

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	3.4125	Per day	612	2088.45	0	
LR001 : Male mulia	3.4125	Per day	462	1576.575	0	
LR008 : Sangi mulia	7.98	Per day	512	4085.76	0	
BRM340 : Cement	1.375	1 Qntl.	561	771.375	138.8475	
BRM028 : Screened and washed sharp sand for mortar	0.15	1 Cum	76.13	11.4195	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.	13.5284447	135.284447	0	
BRM340 : Cement	1.375	1 Qntl.	39.055	53.700625	0	

<b>BRM028</b> : Screened and washed sharp sand for mortar	0.15	1 Cum	796.81	119.5215	0
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**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	40.25	6.0375	0

<b>Total Amount (a+b+c)</b>	15443.923572
<b>Total GST (a)</b>	138.8475
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	1168.7078304
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	1256.36091768
<b>LABOUR CESS @ 1% (+)</b>	180.0783982008
<b>Grand Total</b>	18187.918218281
<b>Say For Unit 1 (Grand Total/10)</b>	1818.7918218281

**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  
**First floor**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>LR002</b> : Female mulia	0.161	Per day	462	74.382	0
<b>BRMMR0025</b> : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	1 Cum	33	33	0
<b>LR001</b> : Male mulia	3.243	Per day	462	1498.266	0
<b>LR025</b> : Mason	1.2075	Per day	562	678.615	0
<b>LR044</b> : Mason	0.4025	Per day	612	246.33	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>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
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**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	0.672	1 Qntl.	39.055	26.24496	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	1 Cum	796.81	223.1068	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	1.2175	426.125	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<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>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>	5415.54066
<b>Total GST (a)</b>	67.85856
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	411.2549415
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	442.0990621125
<b>LABOUR CESS @ 1% (+)</b>	63.367532236125
<b>Grand Total</b>	6400.1207558486
<b>Say For Unit 1 (Grand Total/1)</b>	6400.1207558486

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