

## Analysis

**OD/359/3425/118918/415830/00065798 : Repair of AWC at Sirki  
Block : G.Udayagiri, Gram Panchayat : Mallikapadi  
Created By: Sarata Kumar Mallik**

<b>Item 1</b>
<b>Masonry Brick Work (AR0603bi):</b> 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 <b>Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure</b>

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.	578.12	388.49664	69.9293952
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	5.1	1785	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	953.91	267.0948	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	1.01135	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./Cm <sup>2</sup> with dimensional tolerance $\pm 2$ %	350	1000 Nos	0	0	0

<b>Total Amount (a+b+c)</b>	5052.832244
<b>Total GST (a)</b>	69.9293952
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	384.20712294
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	413.0226571605
<b>LABOUR CESS @ 1% (+)</b>	59.199914193005
<b>Grand Total</b>	5979.1913334935
<b>Say For Unit 1 (Grand Total/1)</b>	5979.1913334935

## Item 2

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

### 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.	578.12	20.696696	3.72540528
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.	30.732	1.1002056	0
BRM028 : Screened and washed sharp sand for mortar	0.015	1 Cum	953.91	14.30865	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	40.25	0.60375	0

<b>Total Amount (a+b+c)</b>	171.9825016
<b>Total GST (a)</b>	3.72540528
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	13.178093016
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	14.1664499922
<b>LABOUR CESS @ 1% (+)</b>	2.030524498882
<b>Grand Total</b>	205.08297438708
<b>Say For Unit 1 (Grand Total/1)</b>	205.08297438708

**Item 3**

**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.	578.12	24.85916	4.4746488
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.	30.732	1.321476	0
BRM028 : Screened and washed sharp sand for mortar	0.018	1 Cum	953.91	17.17038	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	40.25	0.7245	0

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

246.259356

**Total GST (a)**

4.4746488

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

18.80505036

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

20.215429137

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

2.89754484297

**Grand Total**

292.65202913997

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

292.65202913997

**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)**

<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>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.	578.12	794.915	143.0847
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.15	1 Cum	76.88	11.532	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>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.	11.2375001	112.375001	0
<b>BRM340</b> : Cement	1.375	1 Qntl.	30.732	42.2565	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.15	1 Cum	953.91	143.0865	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>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>	15087.702501
<b>Total GST (a)</b>	143.0847
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	1142.309040075
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	1227.9822180806
<b>LABOUR CESS @ 1% (+)</b>	176.01078459156
<b>Grand Total</b>	17777.089243747
<b>Say For Unit 1 (Grand Total/10)</b>	1777.7089243747

**Item 5**

**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
<b>BRM174</b> : White Cement.	0.076	1Qntl	2017.18	153.30568	0
<b>BRM340</b> : Cement	1.074	1 Qntl.	578.12	620.90088	111.7621584
<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) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<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	953.91	200.3211	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.	11.2375001	112.375001	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<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>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

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

9977.481761

<b>Total GST (a)</b>	111.7621584
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	756.693293955
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	813.44529100163
<b>LABOUR CESS @ 1% (+)</b>	116.59382504357
<b>Grand Total</b>	11775.9763294
<b>Say For Unit 1 (Grand Total/10)</b>	1177.59763294

### Item 6

**Painting (AR0901ci):** Priming one coat with outer surface primer of approved quality oil-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.

Sub-Item of Work

**Priming one coat with outer surface primer of approved quality oil-bound primer over plastering surfaces(Outer surface)**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM252</b> : Wall cement primer (I.S.I.) Oil bound	0.7812	1 Ltr	125.5	98.0406	0
<b>LR048</b> : Painter/ Polisher	0.5	Per day	612	306	0
<b>LR001</b> : Male mulia	0.5	Per day	462	231	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM252</b> : Wall cement primer (I.S.I.) Oil bound	0.7812	1 Ltr	0.30732	0.240078384	0

#### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM252</b> : Wall cement primer (I.S.I.) Oil bound	0.7812	1 Ltr	0	0	0

<b>Total Amount (a+b+c)</b>	635.280678384
<b>Total GST (a)</b>	0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	47.6460508788
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	51.21950469471
<b>LABOUR CESS @ 1% (+)</b>	7.3414623395751
<b>Grand Total</b>	741.48769629709
<b>Say For Unit 1 (Grand Total/9.3)</b>	79.729859816891

### Item 7

**Painting (AR0918Ai):** Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes required for the work etc. complete and as per direction of Engineer-in-charge.

Sub-Item of Work  
**Finishing wall one coat with weather coat**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM255 : Weather Coat (I.S.I.)	0.75	1 Ltr	194.79	146.0925	0
LR001 : Male mulia	0.43	Per day	462	198.66	0
LR048 : Painter/ Polisher	0.36	Per day	612	220.32	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM255 : Weather Coat (I.S.I.)	0.75	1 Ltr	0.30732	0.23049	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM255 : Weather Coat (I.S.I.)	0.75	1 Ltr	0	0	0

<b>Total Amount (a+b+c)</b>	565.30299
<b>Total GST (a)</b>	0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	42.39772425
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	45.57755356875
<b>LABOUR CESS @ 1% (+)</b>	6.5327826781875
<b>Grand Total</b>	659.81105049694
<b>Say For Unit 1 (Grand Total/10)</b>	65.981105049694

**Item 8**

**Painting (AR0904):** Painting one coat of enamel on old wood work inner surface paint including all costs of labour, Paint, Primer and brushes and required for the work etc. complete and as per direction of Engineer-in-charge.

Sub-Item of Work  
**Painting one coat of enamel on old wood work inner surface paint**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM141 : Enamel paint	0.6975	1 Litre	205.34	143.22465	0
LR001 : Male mulia	0.82	Per day	462	378.84	0
LR048 : Painter/ Polisher	0.75	Per day	612	459	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM141 : Enamel paint	0.6975	1 Litre	0.30732	0.2143557	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM141 : Enamel paint	0.6975	1 Litre	0	0	0
<b>Total Amount (a+b+c)</b>				981.2790057	
<b>Total GST (a)</b>				0	
<b>OVERHEAD CHARGES @ 7.5% (+)</b>				73.5959254275	
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>				79.115619834563	
<b>LABOUR CESS @ 1% (+)</b>				11.339905509621	
<b>Grand Total</b>				1145.3304564717	
<b>Say For Unit 1 (Grand Total/9.3)</b>				123.15381252384	

### Item 9

**Iron Work (AR1701):** Labour for hoisting joints, trusses and placing in position with all cost of labour and machinery and T & P required for the work etc. as per direction of Engineer-in-Charge.

Sub-Item of Work

**Labour for hoisting joints, trusses and placing in position**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR001 : Male mulia	0.17	Per day	462	78.54	0
LR008 : Sangi mulia	1	Per day	512	512	0

<b>Total Amount (a+b+c)</b>				590.54	
<b>Total GST (a)</b>				0	
<b>OVERHEAD CHARGES @ 7.5% (+)</b>				44.2905	
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>				47.6122875	
<b>LABOUR CESS @ 1% (+)</b>				6.824427875	
<b>Grand Total</b>				689.267215375	
<b>Say For Unit 1 (Grand Total/0.508)</b>				1356.8252271161	

**PRAMOD KUMAR NAYAK**  
**JE**  
**G.Udayagiri Block**

**ASIT KUMAR SETHY**  
**AEE**  
**G.Udayagiri Block**

**Sarata Kumar Mallik**  
**BDO**  
**G.Udayagiri Block**