

## Analysis

**OD/346/3305/116247/393090/00074043 : Completion of sitaram school**  
**Block : Nilgiri, Gram Panchayat : Narasinghpur**  
**Created By: Bikram Kishore Parida**

<b>Item 1</b>					
<b>Masonry Brick Work (AR0603b):</b> 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/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 foundation and plinth</b>					
<b>a) Specific Rate Details</b>					
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.	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>b) Carriage Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.672	1 Qntl.	42.622	28.641984	0
BRM028 : Screened and washed sharp sand for mortar	0.28	1 Cum	276.01	77.2828	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	1.4531	508.585	0
<b>c) Royalty Rate Details</b>					
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>				5092.577084	

<b>Total GST (a)</b>	64.979712
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	386.8167597
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	415.8280166775
<b>LABOUR CESS @ 1% (+)</b>	59.602015723775
<b>Grand Total</b>	6019.8035881013
<b>Say For Unit 1 (Grand Total/1)</b>	6019.8035881013

## Item 2

**R.C.C. Work (AR0404Ac):** 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. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)

Sub-Item of Work

**Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips**

### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>Combine :: R.C.C. Work (AR0404A)</b>					
<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	1.3333	Per day	462	615.9846	0
<b>LR025</b> : Mason	0.1	Per day	562	56.2	0
<b>LR010</b> : Mate	0.0573	Per day	512	29.3376	0
<b>BRM340</b> : Cement	3.4733	1 Qntl.	537.2	1865.85676	335.8542168
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1 Cum	76.88	34.596	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>Combine :: R.C.C. Work (AR0410d)</b>					
<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	4.4196	1Mtr	51.87	229.244652	0
<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	1Cum.	58374.79	2424.24665391	0
<b>LR008</b> : Sangi mulia	5.23875	Per day	512	2682.24	0

LR027 : Carpenter	5.23875	Per day	562	2944.1775	0
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**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	3.4733	1 Qntl.	42.622	148.0389926	0
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	276.01	124.2045	0
BRM060 : 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.	907.91	326.8476	0
BRM052 : 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.	907.91	490.2714	0
BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.045339	1Mtr	198.296	8.990542344	0
BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	1Cum.	198.296	8.235034584	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	3.4733	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	442.25	199.0125	0
BRM060 : 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.	522.5	188.1	0
BRM052 : 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.	522.5	282.15	0
BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.045339	1Mtr	0	0	0
BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	1Cum.	0	0	0

<b>Total Amount (a+b+c)</b>	14286.712135438
<b>Total GST (a)</b>	335.8542168
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	1096.6924764179
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	1178.9444121492
<b>LABOUR CESS @ 1% (+)</b>	168.98203240805
<b>Grand Total</b>	17067.185273213
<b>Say For Unit 1 (Grand Total/1)</b>	17067.185273213

**Item 3**

**R.C.C. Work (AR0409):** 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

**Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
LR001 : Male mulia	8	Per day	462	3696	0
LR046 : Blacksmith	3	Per day	612	1836	0
LR010 : Mate	0.44	Per day	512	225.28	0
BRM162 : Binding Wire.	8	1 Kg.	90	720	0
BRM341 : Steel	10.5	1 Qntl.	6186.01	64953.105	11691.5589

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	10.5	1 Qntl.	42.622	447.531	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)**

71877.916

**Total GST (a)**

11691.5589

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

6267.7106175

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

6737.7889138125

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

965.74974431313

**Grand Total**

97540.724175626

**Say For Unit 1 (Grand Total/10)**

9754.0724175626

**Item 4**

**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.	537.2	64.89376	11.6808768

<b>BRM028</b> : 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

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	0.1208	1 Qntl.	42.622	5.1487376	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0169	1 Cum	276.01	4.664569	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.	907.91	15.343679	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.	522.5	8.83025	0

<b>Total Amount (a+b+c)</b>	349.5426726
<b>Total GST (a)</b>	11.6808768
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	27.091766205
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	29.123648670375
<b>LABOUR CESS @ 1% (+)</b>	4.1743896427537
<b>Grand Total</b>	421.61335391813
<b>Say For Unit 1 (Grand Total/1)</b>	421.61335391813

#### Item 5

**Iron Work (AR1704):** Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.

Sub-Item of Work

**Iron Doors and windows fixing**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM341</b> : Steel	0.508	1 Qntl.	6186.01	3142.49308	565.6487544
<b>LR001</b> : Male mulia	3.25	Per day	462	1501.5	0

LR011 : Helper to carpenter or Blacksmith/ Painter/ Blaster/Plumber/ Electrician/ Fitter/Welder	1	Per day	512	512	0
LR028 : Fitter	1	Per day	562	562	0
LR047 : Fitter	1	Per day	612	612	0
LR026 : Black smith	1	Per day	562	562	0
LR046 : Blacksmith	0.75	Per day	612	459	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	0.508	1 Qntl.	42.622	21.651976	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	0.508	1 Qntl.	0	0	0

Total Amount (a+b+c)				7372.645056	
Total GST (a)				565.6487544	
OVERHEAD CHARGES @ 7.5% (+)				595.37203578	
CONTRACTOR PROFIT @ 7.5% (+)				640.0249384635	
LABOUR CESS @ 1% (+)				91.736907846435	
Grand Total				9265.4276924899	
Say For Unit 1 (Grand Total/0.508)				18239.030890728	

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