

## Analysis

OD/346/3309/116331/393985/00075596 : Repair of B.N High School Talangar  
Block : Soro, Gram Panchayat : Talanagar  
Created By:Satyanath Naik

### Item 1

**Earth Work (AR0115):** Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.

Sub-Item of Work

**Filling foundation and plinth with sand well watered and rammed**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	71.94	7194	0
LR002 : Female mulia	12.36	Per day	462	5710.32	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	953.91	95391	0

#### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	442.25	44225	0

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

152520.32

**Total GST (a)**

0

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

11439.024

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

12296.9508

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

1762.562948

**Grand Total**

178018.857748

**Say For Unit 1 (Grand Total/100)**

1780.18857748

### Item 2

**Concrete (AR0303):** Cement concrete (1:3:6) with 4 cm. hard granite(Crusher Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering 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.

Sub-Item of Work

**Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR025 : Mason	0.18	Per day	562	101.16	0
LR002 : Female mulia	1.4	Per day	462	646.8	0
LR001 : Male mulia	2.5	Per day	462	1155	0
BRM340 : Cement	2.29	1 Qntl.	545.68	1249.6072	224.929296
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	76.88	36.9024	0
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	995.25	955.44	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	2.29	1 Qntl.	24.787	56.76223	0
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	953.91	457.8768	0
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	406.21	389.9616	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	2.29	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	442.25	212.28	0
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	552.5	530.4	0

<b>Total Amount (a+b+c)</b>	5792.19023
<b>Total GST (a)</b>	224.929296
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	451.28396445
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	485.13026178375
<b>LABOUR CESS @ 1% (+)</b>	69.535337522337
<b>Grand Total</b>	7023.0690897561
<b>Say For Unit 1 (Grand Total/1)</b>	7023.0690897561

**Item 3**

**Plastering (AR1027):** 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.

Sub-Item of Work

**6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
LR001 : Male mulia	0.12	Per day	462	55.44	0
LR002 : Female mulia	0.05	Per day	462	23.1	0
LR025 : Mason	0.14	Per day	562	78.68	0

<b>BRM340</b> : Cement	0.0372	1 Qntl.	545.68	20.299296	3.65387328
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0075	1 Cum	76.88	0.5766	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	0.0372	1 Qntl.	24.787	0.9220764	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0075	1 Cum	953.91	7.154325	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	0.0372	1 Qntl.	0	0	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0075	1 Cum	442.25	3.316875	0

<b>Total Amount (a+b+c)</b>	189.4891724				
<b>Total GST (a)</b>	3.65387328				
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	14.485728426				
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	15.57215805795				
<b>LABOUR CESS @ 1% (+)</b>	2.2320093216395				
<b>Grand Total</b>	225.43294148559				
<b>Say For Unit 1 (Grand Total/1)</b>	225.43294148559				

**Item 4**

**Concrete (AR0307):** Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specification and direction of Engineer-in charge.

Sub-Item of Work

**Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>LR002</b> : Female mulia	1.4	Per day	462	646.8	0
<b>LR001</b> : Male mulia	3.2	Per day	462	1478.4	0
<b>LR025</b> : Mason	0.68	Per day	562	382.16	0
<b>BRM340</b> : Cement	3.23	1 Qntl.	545.68	1762.5464	317.258352
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1 Cum	76.88	34.596	0
<b>BRM056</b> : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.9	1 Cum.	1396.62	1256.958	0

<b>b) Carriage Rate Details</b>						
Particular	Quantity	Unit	Rate	Amount	GST	
<b>BRM340</b> : Cement	3.23	1 Qntl.	24.787	80.06201	0	
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1 Cum	953.91	429.2595	0	
<b>BRM056</b> : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.9	1 Cum.	406.21	365.589	0	

<b>c) Royalty Rate Details</b>						
Particular	Quantity	Unit	Rate	Amount	GST	
<b>BRM340</b> : Cement	3.23	1 Qntl.	0	0	0	
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1 Cum	442.25	199.0125	0	
<b>BRM056</b> : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.9	1 Cum.	552.5	497.25	0	

<b>Total Amount (a+b+c)</b>	7132.63341					
<b>Total GST (a)</b>	317.258352					
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	558.74188215					
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	600.64752331125					
<b>LABOUR CESS @ 1% (+)</b>	86.092811674612					
<b>Grand Total</b>	8695.3739791359					
<b>Say For Unit 1 (Grand Total/1)</b>	8695.3739791359					

<b>Item 5</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 ±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>

<b>a) Specific Rate Details</b>						
Particular	Quantity	Unit	Rate	Amount	GST	
<b>LR002</b> : Female mulia	0.14	Per day	462	64.68	0	
<b>BRMMR0025</b> : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	1 Cum	33	33	0	
<b>LR001</b> : Male mulia	2.82	Per day	462	1302.84	0	

<b>LR025</b> : Mason	1.05	Per day	562	590.1	0
<b>LR044</b> : Mason	0.35	Per day	612	214.2	0
<b>BRM340</b> : Cement	0.672	1 Qntl.	545.68	366.69696	66.0054528
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	1 Cum	76.88	21.5264	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

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	0.672	1 Qntl.	24.787	16.656864	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	1 Cum	953.91	267.0948	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	1.01135	353.9725	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	442.25	123.83	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>	5154.490024
<b>Total GST (a)</b>	66.0054528
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	391.53716076
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	420.902447817
<b>LABOUR CESS @ 1% (+)</b>	60.32935085377
<b>Grand Total</b>	6093.2644362308
<b>Say For Unit 1 (Grand Total/1)</b>	6093.2644362308

#### Item 6

**Painting (AR0901d):** Priming one coat with inner surface primer of approved quality water-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 inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.7812	1 Ltr	159.03	124.234236	0

LR048 : Painter/ Polisher	0.5	Per day	612	306	0
LR001 : Male mulia	0.5	Per day	462	231	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM253 : Wall cement primer (I.S.I.) Water bound	0.7812	1 Ltr	0.30732	0.240078384	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM253 : Wall cement primer (I.S.I.) Water bound	0.7812	1 Ltr	0	0	0

<b>Total Amount (a+b+c)</b>	661.474314384
<b>Total GST (a)</b>	0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	49.6105735788
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	53.33136659721
<b>LABOUR CESS @ 1% (+)</b>	7.6441625456001
<b>Grand Total</b>	772.06041710561
<b>Say For Unit 1 (Grand Total/9.3)</b>	83.017249151141

**Item 7**

**Painting (AR0920):** Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)

Sub-Item of Work

**Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM140 : Plastic Emulsion paint	1.25	1 Litre	249.34	311.675	0
LR048 : Painter/ Polisher	0.54	Per day	612	330.48	0
LR001 : Male mulia	0.64	Per day	462	295.68	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM140 : Plastic Emulsion paint	1.25	1 Litre	0.30732	0.38415	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM140 : Plastic Emulsion paint	1.25	1 Litre	0	0	0

<b>Total Amount (a+b+c)</b>	938.21915
<b>Total GST (a)</b>	0

<b>OVERHEAD CHARGES @ 7.5% (+)</b>	70.36643625
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	75.64391896875
<b>LABOUR CESS @ 1% (+)</b>	10.842295052188
<b>Grand Total</b>	1095.0718002709
<b>Say For Unit 1 (Grand Total/10)</b>	109.50718002709

### Item 8

**Concrete (AR0318):** 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) including hoisting and laying in position compacting and curing for the proper period with cost conveyance, royalty, taxes of all materials, labor and T&P required for the work etc. complete as per specification and direction of Engineer-in charge. (Old Work)

Sub-Item of Work

**4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken)**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>LR001</b> : Male mulia	1.008	Per day	462	465.696	0
<b>LR044</b> : Mason	0.165	Per day	612	100.98	0
<b>BRM340</b> : Cement	0.1287	1 Qntl.	545.68	70.229016	12.64122288
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	1 Cum	76.88	1.38384	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.	0.018	1 Cum.	850.2	15.3036	0
<b>BRM056</b> : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.018	1 Cum.	1396.62	25.13916	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	0.1287	1 Qntl.	24.787	3.1900869	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	1 Cum	953.91	17.17038	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.	0.018	1 Cum.	406.21	7.31178	0
<b>BRM056</b> : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.018	1 Cum.	406.21	7.31178	0

#### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	0.1287	1 Qntl.	0	0	0

<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	1 Cum	442.25	7.9605	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.	0.018	1 Cum.	552.5	9.945	0
<b>BRM056</b> : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.018	1 Cum.	552.5	9.945	0

<b>Total Amount (a+b+c)</b>	741.5661429
<b>Total GST (a)</b>	12.64122288
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	56.5655524335
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	60.807968866012
<b>LABOUR CESS @ 1% (+)</b>	8.7158088707951
<b>Grand Total</b>	880.29669595031
<b>Say For Unit 1 (Grand Total/1)</b>	880.29669595031

### Item 9

**Dismantling (AR1621):** Removing old grading plaster 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

**Removing old grading plaster from roof**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	0.15	Per day	462	69.3	0
LR001 : Male mulia	1.4	Per day	462	646.8	0

<b>Total Amount (a+b+c)</b>	716.1
<b>Total GST (a)</b>	0
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	53.7075
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	57.7355625
<b>LABOUR CESS @ 1% (+)</b>	8.275430625
<b>Grand Total</b>	835.818493125
<b>Say For Unit 1 (Grand Total/9.3)</b>	89.87295625

### Item 10

**Painting (AR0918f):** Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)

Sub-Item of Work

**Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside)**

<b>a) Specific Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
BRM255 : Weather Coat (I.S.I.)	1.25	1 Ltr	194.79	243.4875	0
LR001 : Male mulia	0.64	Per day	462	295.68	0
LR048 : Painter/ Polisher	0.54	Per day	612	330.48	0

<b>b) Carriage Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
BRM255 : Weather Coat (I.S.I.)	1.25	1 Ltr	0.30732	0.38415	0

<b>c) Royalty Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
BRM255 : Weather Coat (I.S.I.)	1.25	1 Ltr	0	0	0

<b>Total Amount (a+b+c)</b>	870.03165				
<b>Total GST (a)</b>	0				
<b>OVERHEAD CHARGES @ 7.5% (+)</b>	65.25237375				
<b>CONTRACTOR PROFIT @ 7.5% (+)</b>	70.14630178125				
<b>LABOUR CESS @ 1% (+)</b>	10.054303255312				
<b>Grand Total</b>	1015.4846287866				
<b>Say For Unit 1 (Grand Total/10)</b>	101.54846287866				

### Item 11

**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**

<b>a) Specific Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	1.25	Per day	462	577.5	0
LR001 : 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 12**

**miscellaneous (ARM122):** Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.

Sub-Item of Work

**Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRMM122 :</b> Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting)	1	Sqm	5.12	5.12	0

<b>Total Amount (a+b+c)</b>	5.12
<b>Total GST (a)</b>	0
<b>Grand Total</b>	1078.475475
<b>Say For Unit 1 (Grand Total/1)</b>	1078.475475

**Rojalin Jena**  
**JE**  
**Soro Block**

**Nirmala Kanta Parida**  
**AEE**  
**Soro Block**

**Satyanath Naik**  
**BDO**  
**Soro Block**