

## Analysis

**OD/346/3305/116239/393165/00062822 : Repair and renovation at jaganathpur awc building**  
**Block : Nilgiri, Gram Panchayat : Jadida**  
**Created By: Bikram Kishore Parida**

<b>Item 1</b>
<b>Dismantling (AR1612):</b> 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 <b>Dismantling and removing 2.5 cm. thick artificial stone flooring</b>

a) Specific Rate Details					
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>LABOUR CESS @ 1% (+)</b>					9.24
<b>Grand Total</b>					933.24
<b>Say For Unit 1 (Grand Total/9.3)</b>					100.34838709677

<b>Item 2</b>
<b>Concrete (AR0317):</b> 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 <b>2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips</b>

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.	521.52	62.999616	11.33993088
BRM028 : Screened and washed sharp sand for mortar	0.0169	1 Cum	76.88	1.299272	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.	850.2	14.36838	0

<b>b) Carriage Rate Details</b>						
Particular	Quantity	Unit	Rate	Amount	GST	
<b>BRM340</b> : Cement	0.1208	1 Qntl.	24.787	2.9942696	0	
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0169	1 Cum	497.35	8.405215	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.	731.71	12.365899	0	

<b>c) Royalty Rate Details</b>						
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>	346.2569266					
<b>Total GST (a)</b>	11.33993088					
<b>LABOUR CESS @ 1% (+)</b>	3.5759685748					
<b>Grand Total</b>	361.1728260548					
<b>Say For Unit 1 (Grand Total/1)</b>	361.1728260548					

<b>Item 3</b>
<b>R.C.C. Work (AR0404Aa):</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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)
Sub-Item of Work <b>Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips</b>

<b>a) Specific Rate Details</b>						
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.	521.52	1811.395416	326.05117488
<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 (AR0410c)</b>					
<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	1Cum.	58374.79	233.79103395	0
<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.189	1Mtr.	30.81	5.82309	0
<b>LR008</b> : Sangi mulia	0.075	Per day	512	38.4	0
<b>LR027</b> : Carpenter	0.075	Per day	562	42.15	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	3.4733	1 Qntl.	24.787	86.0926871	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1 Cum	497.35	223.8075	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.	731.71	263.4156	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.	731.71	395.1234	0
<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	1Cum.	198.296	0.79417548	0
<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.000921	1Mtr.	198.296	0.182630616	0

#### c) Royalty Rate Details

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	442.25	199.0125	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.	522.5	188.1	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.	522.5	282.15	0
<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	1Cum.	0	0	0
<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.000921	1Mtr.	0	0	0

<b>Total Amount (a+b+c)</b>	6135.334033146
<b>Total GST (a)</b>	326.05117488
<b>LABOUR CESS @ 1% (+)</b>	64.61385208026
<b>Grand Total</b>	6525.9990601063
<b>Say For Unit 1 (Grand Total/1)</b>	6525.9990601063

#### Item 4

**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.	6589.15	69186.075	12453.4935

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	10.5	1 Qntl.	24.787	260.2635	0

#### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	10.5	1 Qntl.	0	0	0

<b>Total Amount (a+b+c)</b>	75923.6185
<b>Total GST (a)</b>	12453.4935
<b>LABOUR CESS @ 1% (+)</b>	883.77112
<b>Grand Total</b>	89260.88312
<b>Say For Unit 1 (Grand Total/10)</b>	8926.088312

#### Item 5

**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.	521.52	18.670416	3.36067488
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.	24.787	0.8873746	0
BRM028 : Screened and washed sharp sand for mortar	0.015	1 Cum	497.35	7.46025	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	442.25	6.63375	0

<b>Total Amount (a+b+c)</b>	168.9249906
<b>Total GST (a)</b>	3.36067488
<b>LABOUR CESS @ 1% (+)</b>	1.7228566548
<b>Grand Total</b>	174.0085221348
<b>Say For Unit 1 (Grand Total/1)</b>	174.0085221348

**Item 6**

**Plastering (AR1004ik):** 12mm thick cement plaster (1:6) over Brick work in outside 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(For repair and maintenance).

Sub-Item of Work  
**12mm thick cement plaster (1:6) over Brick work in outside(For repair and maintenance).**

**a) Specific Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	0.051	Per day	462	23.562	0
LR001 : Male mulia	0.0714	Per day	462	32.9868	0
LR025 : Mason	0.1428	Per day	562	80.2536	0
BRM340 : Cement	0.0358	1 Qntl.	521.52	18.670416	3.36067488
BRM028 : Screened and washed sharp sand for mortar	0.015	1 Cum	76.88	1.1532	0

<b>b) Carriage Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.0358	1 Qntl.	24.787	0.8873746	0
BRM028 : Screened and washed sharp sand for mortar	0.015	1 Cum	497.35	7.46025	0

<b>c) Royalty Rate Details</b>					
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	442.25	6.63375	0

<b>Total Amount (a+b+c)</b>	171.6073906				
<b>Total GST (a)</b>	3.36067488				
<b>LABOUR CESS @ 1% (+)</b>	1.7496806548				
<b>Grand Total</b>	176.7177461348				
<b>Say For Unit 1 (Grand Total/1)</b>	176.7177461348				

<b>Item 7</b>
<b>Plastering (AR1027):</b> 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 <b>6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)</b>

<b>a) Specific Rate Details</b>					
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
BRM340 : Cement	0.0372	1 Qntl.	521.52	19.400544	3.49209792
BRM028 : Screened and washed sharp sand for mortar	0.0075	1 Cum	76.88	0.5766	0

<b>b) Carriage Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.0372	1 Qntl.	24.787	0.9220764	0
BRM028 : Screened and washed sharp sand for mortar	0.0075	1 Cum	497.35	3.730125	0

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

<b>Total Amount (a+b+c)</b>	185.1662204
<b>Total GST (a)</b>	3.49209792
<b>LABOUR CESS @ 1% (+)</b>	1.8865831832
<b>Grand Total</b>	190.5449015032
<b>Say For Unit 1 (Grand Total/1)</b>	190.5449015032

### Item 8

**Other Building Items. (AR1902):** Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,etc.complete. and as per the direction of Engineer in Charge.

Sub-Item of Work  
**cement based wall putty (water based)**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRMMR0038</b> : Cement based putty	8	kg	30	240	0
<b>LR001</b> : Male mulia	0.57	Per day	462	263.34	0
<b>LR025</b> : Mason	0.5	Per day	562	281	0

<b>Total Amount (a+b+c)</b>	784.34
<b>Total GST (a)</b>	0
<b>LABOUR CESS @ 1% (+)</b>	7.8434
<b>Grand Total</b>	792.1834
<b>Say For Unit 1 (Grand Total/10)</b>	79.21834

### Item 9

**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
<b>BRM140</b> : Plastic Emulsion paint	1.25	1 Litre	249.34	311.675	0
<b>LR048</b> : Painter/ Polisher	0.54	Per day	612	330.48	0
<b>LR001</b> : Male mulia	0.64	Per day	462	295.68	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM140</b> : Plastic Emulsion paint	1.25	1 Litre	0.24787	0.3098375	0

<b>c) Royalty Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
BRM140 : Plastic Emulsion paint	1.25	1 Litre	0	0	0

<b>Total Amount (a+b+c)</b>	938.1448375				
<b>Total GST (a)</b>	0				
<b>LABOUR CESS @ 1% (+)</b>	9.381448375				
<b>Grand Total</b>	947.526285875				
<b>Say For Unit 1 (Grand Total/10)</b>	94.7526285875				

<b>Item 10</b>
<b>Iron Work (AR1704):</b> 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 <b>Iron Doors and windows fixing</b>

<b>a) Specific Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	0.508	1 Qntl.	6589.15	3347.2882	602.511876
LR001 : 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>b) Carriage Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	0.508	1 Qntl.	24.787	12.591796	0

<b>c) Royalty Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	0.508	1 Qntl.	0	0	0

<b>Total Amount (a+b+c)</b>	7568.379996				
<b>Total GST (a)</b>	602.511876				

<b>LABOUR CESS @ 1% (+)</b>	81.70891872
<b>Grand Total</b>	8252.60079072
<b>Say For Unit 1 (Grand Total/0.508)</b>	16245.277147087

### Item 11

**Painting (AR0903i):** Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)

Sub-Item of Work

**Painting two coats of enamel paint in outer surface paint (outer surface)**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR048 : Painter/ Polisher	1.25	Per day	612	765	0
LR001 : Male mulia	1.1	Per day	462	508.2	0
BRM141 : Enamel paint	1.1625	1 Litre	205.34	238.70775	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM141 : Enamel paint	1.1625	1 Litre	0.24787	0.288148875	0

#### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM141 : Enamel paint	1.1625	1 Litre	0	0	0

<b>Total Amount (a+b+c)</b>	1512.195898875
<b>Total GST (a)</b>	0
<b>LABOUR CESS @ 1% (+)</b>	15.12195898875
<b>Grand Total</b>	1527.3178578638
<b>Say For Unit 1 (Grand Total/9.3)</b>	164.22772665202

### Item 12

**Painting (AR0920bk):** Finishing wall two coats with plastic emulsion paint of approved shades with one coat waterbound Primer on new work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)(For repair and maintenance).

Sub-Item of Work

**Finishing wall two coats with plastic emulsion paint of approved shades with one coat water bound Primer on new work (Inside)(For repair and maintenance) .**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>Combine :: Painting (AR0920k)</b>					

<b>BRM140</b> : Plastic Emulsion paint	0.125	1 Litre	249.34	31.1675	0
<b>LR048</b> : Painter/ Polisher	0.05508	Per day	612	33.70896	0
<b>LR001</b> : Male mulia	0.06528	Per day	462	30.15936	0
<b>Combine :: Painting (AR0901dk)</b>					
<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.084	1 Ltr	159.03	13.35852	0
<b>LR048</b> : Painter/ Polisher	0.054838709677419	Per day	612	33.561290322581	0
<b>LR001</b> : Male mulia	0.054838709677419	Per day	462	25.335483870968	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM140</b> : Plastic Emulsion paint	0.125	1 Litre	0.24787	0.03098375	0
<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.084	1 Ltr	0.24787	0.02082108	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM140</b> : Plastic Emulsion paint	0.125	1 Litre	0	0	0
<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.084	1 Ltr	0	0	0

<b>Total Amount (a+b+c)</b>	167.34291902355
<b>Total GST (a)</b>	0
<b>LABOUR CESS @ 1% (+)</b>	1.6734291902355
<b>Grand Total</b>	169.01634821378
<b>Say For Unit 1 (Grand Total/1)</b>	169.01634821378

**BABITA BEHERA**  
**JE**  
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**SARAT KUMAR UPADHYAYA**  
**AEE**  
**Nilgiri Block**

**Bikram Kishore Parida**  
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