

## Analysis

**OD/365/3490/120097/390469/00014273 : Construction of Boundary wall of Banasthali High School,Badjode**  
**Block : Baripada, Panchayat : Badjode**  
**Created By:AISHWARYA BHUYAN**

### Item 1

**Earth Work (AR0103a1):** Earthwork in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume within 50m to 75m lead and 1.5m, initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per specification approved by the dept.

Sub-Item of Work

**Earthwork in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume within 50m to 75m lead and 1.5m**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>Combine :: Earth Work (AR0103a)</b>					
LR002 : Female mulia	33.53	Per day	452	15155.56	0
LR001 : Male mulia	33.53	Per day	452	15155.56	0
<b>Combine :: Earth Work (AR0107)</b>					
LR001 : Male mulia	3	Per day	452	1356	0
<b>Total Amount (a+b+c)</b>				31667.12	
<b>Total GST (a)</b>				0	
<b>LABOUR CESS @ 1% (+)</b>				316.6712	
<b>Grand Total</b>				31983.7912	
<b>Say For Unit 1 (Grand Total/100)</b>				319.837912	

### Item 2

**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	60.43	6043	0

LR002 : Female mulia	12.36	Per day	452	5586.72	0
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**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	601.51	60151	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	602.25	60225	0

<b>Total Amount (a+b+c)</b>	132005.72				
<b>Total GST (a)</b>	0				
<b>LABOUR CESS @ 1% (+)</b>	1320.0572				
<b>Grand Total</b>	133325.7772				
<b>Say For Unit 1 (Grand Total/100)</b>	1333.257772				

**Item 3**

**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	552	99.36	0
LR002 : Female mulia	1.4	Per day	452	632.8	0
LR001 : Male mulia	2.5	Per day	452	1130	0
BRM340 : Cement	2.29	1 Qntl.	428.91	982.2039	275.017092
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	66.85	32.088	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.	48.567	111.21843	0

<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1 Cum	601.51	288.7248	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	731.71	702.4416	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	2.29	1 Qntl.	0	0	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1 Cum	602.25	289.08	0
<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	551.5	529.44	0

<b>Total Amount (a+b+c)</b>	5752.79673
<b>Total GST (a)</b>	275.017092
<b>LABOUR CESS @ 1% (+)</b>	60.27813822
<b>Grand Total</b>	6088.09196022
<b>Say For Unit 1 (Grand Total/1)</b>	6088.09196022

**Item 4**

**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
<b>LR002</b> : Female mulia	0.11	Per day	452	49.72	0
<b>LR001</b> : Male mulia	0.13	Per day	452	58.76	0
<b>LR025</b> : Mason	0.16	Per day	552	88.32	0
<b>BRM340</b> : Cement	0.043	1 Qntl.	428.91	18.44313	5.1640764
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	1 Cum	66.85	1.2033	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	0.043	1 Qntl.	48.567	2.088381	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	1 Cum	601.51	10.82718	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	0.043	1 Qntl.	0	0	0

<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.018	1 Cum	602.25	10.8405	0
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<b>Total Amount (a+b+c)</b>	240.202491
<b>Total GST (a)</b>	5.1640764
<b>LABOUR CESS @ 1% (+)</b>	2.453665674
<b>Grand Total</b>	247.820233074
<b>Say For Unit 1 (Grand Total/1)</b>	247.820233074

### Item 5

**Painting (AR0901a):** Priming one coat in inner surface with primer of approved quality over woodwork 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 in inner surface with primer of approved quality over woodwork**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>LR048 : Painter/ Polisher</b>	0.5	Per day	602	301	0
<b>BRM138 : Wood Primer</b>	0.6975	1 Litre	155.08	108.1683	19.470294
<b>LR001 : Male mulia</b>	0.5	Per day	452	226	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM138 : Wood Primer</b>	0.6975	1 Litre	0.48567	0.338754825	0

#### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM138 : Wood Primer</b>	0.6975	1 Litre	0	0	0

<b>Total Amount (a+b+c)</b>	635.507054825
<b>Total GST (a)</b>	19.470294
<b>LABOUR CESS @ 1% (+)</b>	6.54977348825
<b>Grand Total</b>	661.52712231325
<b>Say For Unit 1 (Grand Total/9.3)</b>	71.131948635833

### Item 6

**R.C.C. Work (AR0404A):** 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 centering and shuttering)

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>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	452	602.6516	0
<b>LR025 :</b> Mason	0.1	Per day	552	55.2	0
<b>LR010 :</b> Mate	0.0573	Per day	502	28.7646	0
<b>BRM340 :</b> Cement	3.4733	1 Qntl.	428.91	1489.733103	417.12526884
<b>BRM028 :</b> Screened and washed sharp sand for mortar	0.45	1 Cum	66.85	30.0825	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.	1380	496.8	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) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340 :</b> Cement	3.4733	1 Qntl.	48.567	168.6877611	0
<b>BRM028 :</b> Screened and washed sharp sand for mortar	0.45	1 Cum	601.51	270.6795	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>c) Royalty Rate Details</b>						
<b>Particular</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>	<b>GST</b>	
<b>BRM340 : Cement</b>	3.4733	1 Qntl.	0	0	0	
<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.45	1 Cum	602.25	271.0125	0	
<b>BRM060 : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve &amp; retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)</b>	0.36	1 Cum.	551.5	198.54	0	
<b>BRM052 : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve &amp; retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)</b>	0.54	1 Cum.	551.5	297.81	0	

<b>Total Amount (a+b+c)</b>	5686.7571641					
<b>Total GST (a)</b>	417.12526884					
<b>LABOUR CESS @ 1% (+)</b>	61.0388243294					
<b>Grand Total</b>	6164.9212572694					
<b>Say For Unit 1 (Grand Total/1)</b>	6164.9212572694					

### Item 7

**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> 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

**Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure**

### a) Specific Rate Details

<b>Particular</b>	<b>Quantity</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>	<b>GST</b>	
<b>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</b>	1	1 Cum	33	33	0	
<b>LR001 : Male mulia</b>	2.82	Per day	452	1274.64	0	
<b>LR025 : Mason</b>	1.05	Per day	552	579.6	0	
<b>LR044 : Mason</b>	0.35	Per day	602	210.7	0	
<b>BRM340 : Cement</b>	0.672	1 Qntl.	428.91	288.22752	80.7037056	
<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.28	1 Cum	66.85	18.718	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	1750	0
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<b>b) Carriage Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340</b> : Cement	0.672	1 Qntl.	48.567	32.637024	0
<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	1 Cum	601.51	168.4228	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	1.4531	508.585	0

<b>c) Royalty Rate Details</b>					
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	602.25	168.63	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	0.04025	14.0875	0

<b>Total Amount (a+b+c)</b>	5047.247844
<b>Total GST (a)</b>	80.7037056
<b>LABOUR CESS @ 1% (+)</b>	51.279515496
<b>Grand Total</b>	5179.231065096
<b>Say For Unit 1 (Grand Total/1)</b>	5179.231065096

<b>Item 8</b>
<b>Painting (AR0918cb):</b> Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)
Sub-Item of Work <b>Finishing wall two coats with weather coat with one coat waterbound Primer</b>

<b>a) Specific Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
<b>Combine :: Painting (AR0918f)</b>					
<b>BRM255</b> : Weather Coat (I.S.I.)	0.125	1 Ltr	194.79	24.34875	0
<b>LR001</b> : Male mulia	0.064	Per day	452	28.928	0
<b>LR048</b> : Painter/ Polisher	0.054	Per day	602	32.508	0
<b>Combine :: Painting (AR0901di)</b>					

<b>BRM253 : Wall cement primer (I.S.I.) Water bound</b>	0.090322580645161	1 Ltr	159.03	14.364	0
<b>LR048 : Painter/ Polisher</b>	0.053763440860215	Per day	602	32.365591397849	0
<b>LR001 : Male mulia</b>	0.053763440860215	Per day	452	24.301075268817	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM255 : Weather Coat (I.S.I.)</b>	0.125	1 Ltr	0.48567	0.06070875	0
<b>BRM253 : Wall cement primer (I.S.I.) Water bound</b>	0.090322580645161	1 Ltr	0.48567	0.043866967741935	0

#### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM255 : Weather Coat (I.S.I.)</b>	0.125	1 Ltr	0	0	0
<b>BRM253 : Wall cement primer (I.S.I.) Water bound</b>	0.090322580645161	1 Ltr	0	0	0

<b>Total Amount (a+b+c)</b>	156.91999238441
<b>Total GST (a)</b>	0
<b>LABOUR CESS @ 1% (+)</b>	1.5691999238441
<b>Grand Total</b>	158.48919230825
<b>Say For Unit 1 (Grand Total/1)</b>	158.48919230825

#### Item 9

**Plastering (AR1004):** 12mm thick cement plster (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  
**Fourth Floor**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>LR002 : Female mulia</b>	0.0562754405	Per day	452	25.436499106	0
<b>LR001 : Male mulia</b>	0.0787856167	Per day	452	35.6110987484	0
<b>LR025 : Mason</b>	0.1575712334	Per day	552	86.9793208368	0
<b>BRM340 : Cement</b>	0.0358	1 Qntl.	428.91	15.354978	4.29939384
<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.015	1 Cum	66.85	1.00275	0

<b>b) Carriage Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.0358	1 Qntl.	48.567	1.7386986	0
BRM028 : Screened and washed sharp sand for mortar	0.015	1 Cum	601.51	9.02265	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	602.25	9.03375	0

<b>Total Amount (a+b+c)</b>	184.1797452912				
<b>Total GST (a)</b>	4.29939384				
<b>LABOUR CESS @ 1% (+)</b>	1.884791391312				
<b>Grand Total</b>	190.36393052251				
<b>Say For Unit 1 (Grand Total/1)</b>	190.36393052251				

### Item 10

**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**

<b>a) Specific Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
LR001 : Male mulia	8	Per day	452	3616	0
LR046 : Blacksmith	3	Per day	602	1806	0
LR010 : Mate	0.44	Per day	502	220.88	0
BRM162 : Binding Wire.	8	1 Kg.	90	720	0
BRM341 : Steel	10.5	1 Qntl.	5775.86	60646.53	10916.3754

<b>b) Carriage Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	10.5	1 Qntl.	48.567	509.9535	0

<b>c) Royalty Rate Details</b>					
Particular	Quantity	Unit	Rate	Amount	GST

<b>BRM341 : Steel</b>	10.5	1 Qntl.	0	0	0
<b>Total Amount (a+b+c)</b>				67519.3635	
<b>Total GST (a)</b>				10916.3754	
<b>LABOUR CESS @ 1% (+)</b>				784.357389	
<b>Grand Total</b>				79220.096289	
<b>Say For Unit 1 (Grand Total/10)</b>				7922.0096289	

**CHAPALA CHANDA PRADHAN**  
**JE**  
**Baripada Block**

**SUSMITA BEHERA**  
**AEE**  
**Baripada Block**

**AISHWARYA BHUYAN**  
**BDO**  
**Baripada Block**