

Analysis

**OD/354/3380/117919/411713/00101476 : Renovation of Jagannath Mandir, Nimina
Block : Polosara, Gram Panchayat : Nimina
Created By:SASI BHUSAN MAHAPATRO**

Item 1
Earth Work (AR0102aa): Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial 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 the direction of the Engineer-in-charge
Sub-Item of Work Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift

a) Specific Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	25.8	Per day	462	11919.6	0
LR001 : Male mulia	25.8	Per day	462	11919.6	0
Total Amount (a+b+c)				23839.2	
Total GST (a)					0
OVERHEAD CHARGES @ 7.5% (+)					1787.94
CONTRACTOR PROFIT @ 7.5% (+)					1922.0355
LABOUR CESS @ 1% (+)					275.491755
Grand Total					27824.667255
Say For Unit 1 (Grand Total/100)					278.24667255

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	62.86	6286	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	341.11	34111	0

c) Royalty Rate Details					

Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	40.25	4025	0
Total Amount (a+b+c)				50132.32	
Total GST (a)				0	
OVERHEAD CHARGES @ 7.5% (+)				3759.924	
CONTRACTOR PROFIT @ 7.5% (+)				4041.9183	
LABOUR CESS @ 1% (+)				579.341623	
Grand Total				58513.503923	
Say For Unit 1 (Grand Total/100)				585.13503923	

Item 3

Concrete (AR0303a): Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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. hard granite(Hand Broken) metal

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	1.4	Per day	462	646.8	0
LR001 : Male mulia	2.5	Per day	462	1155	0
LR025 : Mason	0.18	Per day	562	101.16	0
BRM340 : Cement	2.29	1 Qntl.	560.45	1283.4305	231.01749
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	66.23	31.7904	0
BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	1 Cum.	787.36	755.8656	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	2.29	1 Qntl.	30.732	70.37628	0
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	341.11	163.7328	0
BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	1 Cum.	341.11	327.4656	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	40.25	19.32	0
BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	1 Cum.	149.5	143.52	0

Total Amount (a+b+c)	4698.46118
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Total GST (a)	231.01749
OVERHEAD CHARGES @ 7.5% (+)	369.71090025
CONTRACTOR PROFIT @ 7.5% (+)	397.43921776875
LABOUR CESS @ 1% (+)	56.966287880188
Grand Total	5753.5950758989
Say For Unit 1 (Grand Total/1)	5753.5950758989

Item 4

Masonry Stone Work (AR0703): Random rubble H.G. stone of size not less than 0.0025 cum stacked masonry in cement mortar (1:6) in foundation and plinth including watering, curing for seven days 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

Random rubble H.G. stone of masonry.

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	1.41	Per day	462	651.42	0
LR001 : Male mulia	1.76	Per day	462	813.12	0
LR025 : Mason	1.41	Per day	562	792.42	0
LR044 : Mason	0.35	Per day	612	214.2	0
BRM340 : Cement	0.8151	1 Qntl.	560.45	456.822795	82.2281031
BRM028 : Screened and washed sharp sand for mortar	0.34	1 Cum	66.23	22.5182	0
BRM034 : Granite broken stone of size not less than 0.0025 Cum. Stacked	1	1 Cum.	289.28	289.28	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.8151	1 Qntl.	30.732	25.0496532	0
BRM028 : Screened and washed sharp sand for mortar	0.34	1 Cum	341.11	115.9774	0
BRM034 : Granite broken stone of size not less than 0.0025 Cum. Stacked	1	1 Cum.	341.11	341.11	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.8151	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.34	1 Cum	40.25	13.685	0
BRM034 : Granite broken stone of size not less than 0.0025 Cum. Stacked	1	1 Cum.	149.5	149.5	0

Total Amount (a+b+c)

3885.1030482

Total GST (a)	82.2281031
OVERHEAD CHARGES @ 7.5% (+)	297.5498363475
CONTRACTOR PROFIT @ 7.5% (+)	319.86607407356
LABOUR CESS @ 1% (+)	45.847470617211
Grand Total	4630.5945323383
Say For Unit 1 (Grand Total/1)	4630.5945323383

Item 5

R.C.C. Work (AR0402a): 'Reinforced cement concrete (1:1.5:3) work with 12mm size black hard hand 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. (To be used for minor repair work only)

Sub-Item of Work

Reinforced cement concrete (1:11/2:3) work with 12mm size black hard hand broken granite chips

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM057 : 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)(Hand broken)	0.9	1 Cum.	1070	963	0
BRM340 : Cement	4.29	1 Qntl.	560.45	2404.3305	432.77949
LR002 : Female mulia	1.4	Per day	462	646.8	0
LR001 : Male mulia	3.2	Per day	462	1478.4	0
LR025 : Mason	0.68	Per day	562	382.16	0
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	66.23	29.8035	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM057 : 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)(Hand broken)	0.9	1 Cum.	341.11	306.999	0
BRM340 : Cement	4.29	1 Qntl.	30.732	131.84028	0
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	341.11	153.4995	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM057 : 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)(Hand broken)	0.9	1 Cum.	149.5	134.55	0

BRM340 : Cement	4.29	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	40.25	18.1125	0

Total Amount (a+b+c)	6649.49528
Total GST (a)	432.77949
OVERHEAD CHARGES @ 7.5% (+)	531.17060775
CONTRACTOR PROFIT @ 7.5% (+)	571.00840333125
LABOUR CESS @ 1% (+)	81.844537810813
Grand Total	8266.2983188921
Say For Unit 1 (Grand Total/1)	8266.2983188921

Item 6

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/cm² 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

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

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.	560.45	376.6224	67.792032
BRM028 : Screened and washed sharp sand for mortar	0.28	1 Cum	66.23	18.5444	0
BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance ± 2 %	350	1000 Nos	5.14255	1799.8925	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	341.11	95.5108	0

BRM005 : 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
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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./Cm2 with dimensional tolerance $\pm 2\%$	350	1000 Nos	0	0	0

Total Amount (a+b+c)	4881.284504
Total GST (a)	67.792032
OVERHEAD CHARGES @ 7.5% (+)	371.1807402
CONTRACTOR PROFIT @ 7.5% (+)	399.019295715
LABOUR CESS @ 1% (+)	57.19276571915
Grand Total	5776.4693376342
Say For Unit 1 (Grand Total/1)	5776.4693376342

Item 7

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.	560.45	24.09935	4.337883
BRM028 : Screened and washed sharp sand for mortar	0.018	1 Cum	66.23	1.19214	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	341.11	6.13998	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
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Total Amount (a+b+c)	234.277446
Total GST (a)	4.337883
OVERHEAD CHARGES @ 7.5% (+)	17.896149675
CONTRACTOR PROFIT @ 7.5% (+)	19.238360900625
LABOUR CESS @ 1% (+)	2.7574983957563
Grand Total	278.50733797138
Say For Unit 1 (Grand Total/1)	278.50733797138

Item 8

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.	560.45	20.06411	3.6115398
BRM028 : Screened and washed sharp sand for mortar	0.015	1 Cum	66.23	0.99345	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	341.11	5.11665	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

Total Amount (a+b+c)	161.9981656
Total GST (a)	3.6115398
OVERHEAD CHARGES @ 7.5% (+)	12.420727905
CONTRACTOR PROFIT @ 7.5% (+)	13.352282497875
LABOUR CESS @ 1% (+)	1.9138271580288

Grand Total	193.2965429609
Say For Unit 1 (Grand Total/1)	193.2965429609

Item 9

Painting (AR0901di): Priming one coat with outer 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 outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface)

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM253 : Wall cement primer (I.S.I.) Water bound	0.84	1 Ltr	159.03	133.5852	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	0.84	1 Ltr	0.30732	0.2581488	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM253 : Wall cement primer (I.S.I.) Water bound	0.84	1 Ltr	0	0	0

Total Amount (a+b+c)	670.8433488
Total GST (a)	0
OVERHEAD CHARGES @ 7.5% (+)	50.31325116
CONTRACTOR PROFIT @ 7.5% (+)	54.086744997
LABOUR CESS @ 1% (+)	7.75243344957
Grand Total	782.99577840657
Say For Unit 1 (Grand Total/9.3)	84.193094452319

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)

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
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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) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM255 : Weather Coat (I.S.I.)	1.25	1 Ltr	0.30732	0.38415	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM255 : Weather Coat (I.S.I.)	1.25	1 Ltr	0	0	0

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

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