

Analysis

**OD/363/3471/119808/428956/00062732 : Construction of Boundary wall of Jhankar Devi
Temple at Tota Ambaguda
Block : Koraput, Gram Panchayat : Mastiput
Created By:Dr. DEBASIS GOUDA**

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	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	44.25	4425	0

Total Amount (a+b+c)	112720.32				
Total GST (a)	0				
OVERHEAD CHARGES @ 7.5% (+)	8454.024				
CONTRACTOR PROFIT @ 7.5% (+)	9088.0758				
LABOUR CESS @ 1% (+)	1302.624198				
Grand Total	131565.043998				
Say For Unit 1 (Grand Total/100)	1315.65043998				

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	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.	547.5	1253.775	225.6795
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	75.86	36.4128	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.	33.11	75.8219	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.	666.61	639.9456	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	44.25	21.24	0
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	206.5	198.24	0

Total Amount (a+b+c)	5541.7121
Total GST (a)	225.6795
OVERHEAD CHARGES @ 7.5% (+)	432.55437
CONTRACTOR PROFIT @ 7.5% (+)	464.99594775
LABOUR CESS @ 1% (+)	66.6494191775
Grand Total	6731.5913369275
Say For Unit 1 (Grand Total/1)	6731.5913369275

Item 4

Masonry Brick Work (AR0603ci): Brickwork with Flyash Bricks of size (23cm x 11cm 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
BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance ± 2 %	400	1000 Nos	4.55488	1821.952	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.	547.5	367.92	66.2256
BRM028 : Screened and washed sharp sand for mortar	0.28	1 Cum	75.86	21.2408	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance ± 2 %	400	1000 Nos	1.16256	465.024	0
BRM340 : Cement	0.672	1 Qntl.	33.11	22.24992	0
BRM028 : Screened and washed sharp sand for mortar	0.28	1 Cum	953.91	267.0948	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
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BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance $\pm 2\%$	400	1000 Nos	0	0	0
BRM340 : Cement	0.672	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.28	1 Cum	44.25	12.39	0

Total Amount (a+b+c)	5182.69152
Total GST (a)	66.2256
OVERHEAD CHARGES @ 7.5% (+)	393.668784
CONTRACTOR PROFIT @ 7.5% (+)	423.1939428
LABOUR CESS @ 1% (+)	60.657798468
Grand Total	6126.437645268
Say For Unit 1 (Grand Total/1)	6126.437645268

Item 5

Plastering (AR1004i): 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.

Sub-Item of Work

12mm thick cement plaster (1:6) over Brick work in outside.

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.	547.5	19.6005	3.52809
BRM028 : Screened and washed sharp sand for mortar	0.015	1 Cum	75.86	1.1379	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.0358	1 Qntl.	33.11	1.185338	0
BRM028 : Screened and washed sharp sand for mortar	0.015	1 Cum	953.91	14.30865	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	44.25	0.66375	0

Total Amount (a+b+c)	171.016138
Total GST (a)	3.52809
OVERHEAD CHARGES @ 7.5% (+)	13.0908171

CONTRACTOR PROFIT @ 7.5% (+)	14.0726283825
LABOUR CESS @ 1% (+)	2.017076734825
Grand Total	203.72475021733
Say For Unit 1 (Grand Total/1)	203.72475021733

Item 6

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.	547.5	23.5425	4.23765
BRM028 : Screened and washed sharp sand for mortar	0.018	1 Cum	75.86	1.36548	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.043	1 Qntl.	33.11	1.42373	0
BRM028 : Screened and washed sharp sand for mortar	0.018	1 Cum	953.91	17.17038	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	44.25	0.7965	0

Total Amount (a+b+c)	245.09859
Total GST (a)	4.23765
OVERHEAD CHARGES @ 7.5% (+)	18.700218
CONTRACTOR PROFIT @ 7.5% (+)	20.10273435
LABOUR CESS @ 1% (+)	2.8813919235
Grand Total	291.0205842735
Say For Unit 1 (Grand Total/1)	291.0205842735

Item 7

Painting (AR0918ca): Finishing wall surface two coats with weather coat with one coat oilbound 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

Finishing wall two coats with weather coat with one coat oilbound Primer

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
Combine :: Painting (AR0918f)					
BRM255 : Weather Coat (I.S.I.)	0.125	1 Ltr	194.79	24.34875	0
LR001 : Male mulia	0.064	Per day	462	29.568	0
LR048 : Painter/ Polisher	0.054	Per day	612	33.048	0
Combine :: Painting (AR0901ci)					
BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	1 Ltr	125.43	10.53612	0
LR048 : Painter/ Polisher	0.053763440860215	Per day	612	32.903225806452	0
LR001 : Male mulia	0.053763440860215	Per day	462	24.838709677419	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM255 : Weather Coat (I.S.I.)	0.125	1 Ltr	0.3311	0.0413875	0
BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	1 Ltr	0.3311	0.0278124	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM255 : Weather Coat (I.S.I.)	0.125	1 Ltr	0	0	0
BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	1 Ltr	0	0	0

Total Amount (a+b+c)	155.31200538387
Total GST (a)	0
OVERHEAD CHARGES @ 7.5% (+)	11.64840040379
CONTRACTOR PROFIT @ 7.5% (+)	12.522030434075
LABOUR CESS @ 1% (+)	1.7948243622174
Grand Total	181.27726058395
Say For Unit 1 (Grand Total/1)	181.27726058395

Item 8

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 specifaion 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
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
BRM340 : Cement	3.23	1 Qntl.	547.5	1768.425	318.3165
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	75.86	34.137	0
BRM056 : 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) Carriage Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	3.23	1 Qntl.	33.11	106.9453	0
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	953.91	429.2595	0
BRM056 : 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.	666.61	599.949	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	3.23	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	44.25	19.9125	0
BRM056 : 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.	206.5	185.85	0

Total Amount (a+b+c)	6908.7963
Total GST (a)	318.3165
OVERHEAD CHARGES @ 7.5% (+)	542.03346
CONTRACTOR PROFIT @ 7.5% (+)	582.6859695
LABOUR CESS @ 1% (+)	83.518322295
Grand Total	8435.350551795
Say For Unit 1 (Grand Total/1)	8435.350551795

Item 9

Masonry Stone Work (AR0717): Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.

Sub-Item of Work
Laterite stone masonry

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.572	1 Qntl.	547.5	313.17	56.3706
LR001 : Male mulia	1.21	Per day	462	559.02	0
LR025 : Mason	1.05	Per day	562	590.1	0
LR044 : Mason	0.175	Per day	612	107.1	0
LR008 : Sangi mulia	1.41	Per day	512	721.92	0
LR052 : Stone dresser/ Cutter	2.12	Per day	612	1297.44	0
BRM028 : Screened and washed sharp sand for mortar	0.24	1 Cum	75.86	18.2064	0
BRM079 : Laterite Stone rough dressed	1	1 Cum.	762.55	762.55	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.572	1 Qntl.	33.11	18.93892	0
BRM028 : Screened and washed sharp sand for mortar	0.24	1 Cum	953.91	228.9384	0
BRM079 : Laterite Stone rough dressed	1	1 Cum.	666.61	666.61	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.572	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.24	1 Cum	44.25	10.62	0
BRM079 : Laterite Stone rough dressed	1	1 Cum.	206.5	206.5	0

Total Amount (a+b+c)	5501.11372
Total GST (a)	56.3706
OVERHEAD CHARGES @ 7.5% (+)	416.811324
CONTRACTOR PROFIT @ 7.5% (+)	448.0721733
LABOUR CESS @ 1% (+)	64.223678173
Grand Total	6486.591495473
Say For Unit 1 (Grand Total/1)	6486.591495473

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