

Analysis

**OD/358/3417/118771/424000/00065387 : Const of Boundar Wall Near Dandapatini Temple
Dahagaon
Block : Kokasara, Gram Panchayat : Dahagaon
Created By:Dr Himanchal Majhi**

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	341.11	34111	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	44	4400	0

Total Amount (a+b+c)	51415.32				
Total GST (a)	0				
OVERHEAD CHARGES @ 7.5% (+)	3856.149				
CONTRACTOR PROFIT @ 7.5% (+)	4145.360175				
LABOUR CESS @ 1% (+)	594.16829175				
Grand Total	60010.99746675				
Say For Unit 1 (Grand Total/100)	600.1099746675				

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.	577.5	1322.475	238.0455
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	76.88	36.9024	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.	36.677	83.99033	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.	471.31	452.4576	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	21.12	0
BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	1 Cum.	158	151.68	0

Total Amount (a+b+c)	4891.18373
Total GST (a)	238.0455
OVERHEAD CHARGES @ 7.5% (+)	384.69219225
CONTRACTOR PROFIT @ 7.5% (+)	413.54410666875
LABOUR CESS @ 1% (+)	59.274655289187
Grand Total	5986.7401842079
Say For Unit 1 (Grand Total/1)	5986.7401842079

Item 4

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 centring 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
PM096 : Generator 33KVA Generation of Electric Energy 50KVA	0.4	per hour	700	280	0
PM083 : Concrete Mixer 04/0.28 cum Concrete Mixing 2.5cum/hour	0.4	per hour	229.55	91.82	0
LR001 : Male mulia	1.3333	Per day	462	615.9846	0
LR025 : Mason	0.1	Per day	562	56.2	0
LR010 : Mate	0.0573	Per day	512	29.3376	0
BRM340 : Cement	3.4733	1 Qntl.	577.5	2005.83075	361.049535
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	76.88	34.596	0
BRM060 : 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.	1395	502.2	0
BRM052 : 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.	1380	745.2	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	3.4733	1 Qntl.	36.677	127.3902241	0
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	341.11	153.4995	0

BRM060 : 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.	471.31	169.6716	0
BRM052 : 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.	471.31	254.5074	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	3.4733	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	44	19.8	0
BRM060 : 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.	158	56.88	0
BRM052 : 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.	158	85.32	0
Total Amount (a+b+c)	5228.2376741				
Total GST (a)	361.049535				
OVERHEAD CHARGES @ 7.5% (+)	419.1965406825				
CONTRACTOR PROFIT @ 7.5% (+)	450.63628123369				
LABOUR CESS @ 1% (+)	64.591200310162				
Grand Total	6523.7112313263				
Say For Unit 1 (Grand Total/1)	6523.7112313263				

Item 5
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.	90.1	720.8	0
BRM341 : Steel	10.5	1 Qntl.	6175.4	64841.7	11671.506

b) Carriage Rate Details					
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Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	10.5	1 Qntl.	30.732	322.686	0

c) Royalty Rate Details

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

Total Amount (a+b+c)	71642.466				
Total GST (a)	11671.506				
OVERHEAD CHARGES @ 7.5% (+)	6248.5479				
CONTRACTOR PROFIT @ 7.5% (+)	6717.1889925				
LABOUR CESS @ 1% (+)	962.797088925				
Grand Total	97242.505981425				
Say For Unit 1 (Grand Total/10)	9724.2505981425				

Item 6

R.C.C. Work (AR0410c): Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc

Sub-Item of Work

R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0267	1Cum.	58374.79	1558.606893	0
BRM092 : Non-sal bullahs 75mm. mean dia of any length.	1.26	1Mtr.	30.81	38.8206	0
LR008 : Sangi mulia	0.5	Per day	512	256	0
LR027 : Carpenter	0.5	Per day	562	281	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0267	1Cum.	293.416	7.8342072	0
BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.00614	1Mtr.	293.416	1.80157424	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0267	1Cum.	0	0	0
BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.00614	1Mtr.	0	0	0

Total Amount (a+b+c)	2144.06327444
Total GST (a)	0
OVERHEAD CHARGES @ 7.5% (+)	160.804745583
CONTRACTOR PROFIT @ 7.5% (+)	172.86510150173
LABOUR CESS @ 1% (+)	24.777331215247
Grand Total	2502.51045274
Say For Unit 1 (Grand Total/10)	250.251045274

Item 7

R.C.C. Work (AR0410d): Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. beams, column, grider and bressmer, etc. Data for 4.2sqm

Sub-Item of Work

Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	2.32	1Mtr	51.87	120.3384	0
BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0218	1Cum.	58374.79	1272.570422	0
LR008 : Sangi mulia	2.75	Per day	512	1408	0
LR027 : Carpenter	2.75	Per day	562	1545.5	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.0238	1Mtr	293.416	6.9833008	0
BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0218	1Cum.	293.416	6.3964688	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.0238	1Mtr	0	0	0
BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0218	1Cum.	0	0	0

Total Amount (a+b+c)	4359.7885916
Total GST (a)	0
OVERHEAD CHARGES @ 7.5% (+)	326.98414437
CONTRACTOR PROFIT @ 7.5% (+)	351.50795519775
LABOUR CESS @ 1% (+)	50.382806911677
Grand Total	5088.6634980794

Say For Unit 1 (Grand Total/4.2)	1211.5865471618
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Item 8

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.	577.5	24.8325	4.46985
BRM028 : Screened and washed sharp sand for mortar	0.018	1 Cum	76.88	1.38384	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.043	1 Qntl.	36.677	1.577111	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	44	0.792	0

Total Amount (a+b+c)	235.525431
Total GST (a)	4.46985
OVERHEAD CHARGES @ 7.5% (+)	17.999646075
CONTRACTOR PROFIT @ 7.5% (+)	19.349619530625
LABOUR CESS @ 1% (+)	2.7734454660563
Grand Total	280.11799207168
Say For Unit 1 (Grand Total/1)	280.11799207168

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	0.36677	0.3080868	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)

670.8932868

Total GST (a)

0

OVERHEAD CHARGES @ 7.5% (+)

50.31699651

CONTRACTOR PROFIT @ 7.5% (+)

54.09077124825

LABOUR CESS @ 1% (+)

7.7530105455825

Grand Total

783.05406510383

Say For Unit 1 (Grand Total/9.3)

84.199361839122

Item 10

Painting (AR0918Ai): Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes required for the work etc. complete and as per direction of Engineer-in-charge.

Sub-Item of Work

Finishing wall one coat with weather coat

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM255 : Weather Coat (I.S.I.)	0.75	1 Ltr	189.5	142.125	0
LR001 : Male mulia	0.43	Per day	462	198.66	0
LR048 : Painter/ Polisher	0.36	Per day	612	220.32	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM255 : Weather Coat (I.S.I.)	0.75	1 Ltr	0.36677	0.2750775	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM255 : Weather Coat (I.S.I.)	0.75	1 Ltr	0	0	0

Total Amount (a+b+c)	561.3800775				
Total GST (a)	0				
OVERHEAD CHARGES @ 7.5% (+)	42.1035058125				
CONTRACTOR PROFIT @ 7.5% (+)	45.261268748437				
LABOUR CESS @ 1% (+)	6.4874485206094				
Grand Total	655.23230058155				
Say For Unit 1 (Grand Total/10)	65.523230058155				

Item 11
Masonry Brick Work (AR0603c): Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth 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 (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth

a) Specific Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	0.14	Per day	462	64.68	0
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 ± 2 %	400	1000 Nos	4.32	1728	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.	577.5	388.08	69.8544
BRM028 : Screened and washed sharp sand for mortar	0.28	1 Cum	76.88	21.5264	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./Cm2 with dimensional tolerance ± 2 %	400	1000 Nos	1.3982	559.28	0
BRM340 : Cement	0.672	1 Qntl.	36.677	24.646944	0
BRM028 : Screened and washed sharp sand for mortar	0.28	1 Cum	341.11	95.5108	0

c) Royalty Rate Details					
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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./Cm2 with dimensional tolerance ± 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	12.32	0

Total Amount (a+b+c)	5001.184144
Total GST (a)	69.8544
OVERHEAD CHARGES @ 7.5% (+)	380.3278908
CONTRACTOR PROFIT @ 7.5% (+)	408.85248261
LABOUR CESS @ 1% (+)	58.6021891741
Grand Total	5918.8211065841
Say For Unit 1 (Grand Total/1)	5918.8211065841

Item 12

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./Cm2 with dimensional tolerance ± 2 %	400	1000 Nos	4.32	1728	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.	577.5	388.08	69.8544
BRM028 : Screened and washed sharp sand for mortar	0.28	1 Cum	76.88	21.5264	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./Cm2 with dimensional tolerance ± 2 %	400	1000 Nos	1.3982	559.28	0
BRM340 : Cement	0.672	1 Qntl.	36.677	24.646944	0

BRM028 : Screened and washed sharp sand for mortar	0.28	1 Cum	341.11	95.5108	0
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c) Royalty 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 $\pm 2\%$	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	12.32	0

Total Amount (a+b+c)	5034.184144
Total GST (a)	69.8544
OVERHEAD CHARGES @ 7.5% (+)	382.8028908
CONTRACTOR PROFIT @ 7.5% (+)	411.51310761
LABOUR CESS @ 1% (+)	58.9835454241
Grand Total	5957.3380878341
Say For Unit 1 (Grand Total/1)	5957.3380878341

Kirti Ranjan Behera
JE
Kokasara Block

Sukrutanand Mishra
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