

Analysis

OD/346/3298/116061/393897/00107290 : Const of boundrywall around Maladapada AWC
Block : Bahanaga, Gram Panchayat : Ranapana
Created By:Subhashree Tudu

Item 1
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.	545.68	1895.310344	341.15586192
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.	1418.67	510.7212	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.	1382.29	746.4366	0

b) Carriage Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	3.4733	1 Qntl.	24.787	86.0926871	0
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	679.63	305.8335	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.	562.45	202.482	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.	562.45	303.723	0
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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	442.25	199.0125	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.	552.5	198.9	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.	552.5	298.35	0

Total Amount (a+b+c)	5854.8000311
Total GST (a)	341.15586192
OVERHEAD CHARGES @ 7.5% (+)	464.6966919765
CONTRACTOR PROFIT @ 7.5% (+)	499.54894387474
LABOUR CESS @ 1% (+)	71.602015288712
Grand Total	7231.8035441599
Say For Unit 1 (Grand Total/1)	7231.8035441599

Item 2

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
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BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0267	1Cum.	198.296	5.2945032	0
BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.00614	1Mtr.	198.296	1.21753744	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)	2140.93953364
Total GST (a)	0
OVERHEAD CHARGES @ 7.5% (+)	160.570465023
CONTRACTOR PROFIT @ 7.5% (+)	172.61324989972
LABOUR CESS @ 1% (+)	24.741232485627
Grand Total	2498.8644810484
Say For Unit 1 (Grand Total/10)	249.88644810484

Item 3
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	198.296	4.7194448	0
BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0218	1Cum.	198.296	4.3228528	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
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Total Amount (a+b+c)	4355.4511196
Total GST (a)	0
OVERHEAD CHARGES @ 7.5% (+)	326.65883397
CONTRACTOR PROFIT @ 7.5% (+)	351.15824651775
LABOUR CESS @ 1% (+)	50.332682000878
Grand Total	5083.6008820886
Say For Unit 1 (Grand Total/4.2)	1210.3811624021

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.	6354.22	66719.31	12009.4758

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

Total Amount (a+b+c)	73456.8535
Total GST (a)	12009.4758
OVERHEAD CHARGES @ 7.5% (+)	6409.9746975
CONTRACTOR PROFIT @ 7.5% (+)	6890.7227998125
LABOUR CESS @ 1% (+)	987.67026797312
Grand Total	99754.697065286
Say For Unit 1 (Grand Total/10)	9975.4697065286

Item 5

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.	545.68	366.69696	66.0054528
BRM028 : Screened and washed sharp sand for mortar	0.28	1 Cum	76.88	21.5264	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.	24.787	16.656864	0
BRM028 : Screened and washed sharp sand for mortar	0.28	1 Cum	679.63	190.2964	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	1.77705	621.9675	0

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	442.25	123.83	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	0	0	0

Total Amount (a+b+c)

5345.686624

Total GST (a)

66.0054528

OVERHEAD CHARGES @ 7.5% (+)

405.87690576

CONTRACTOR PROFIT @ 7.5% (+)

436.317673692

LABOUR CESS @ 1% (+)	62.53886656252
Grand Total	6316.4255228145
Say For Unit 1 (Grand Total/1)	6316.4255228145

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.	545.68	23.46424	4.2235632
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.	24.787	1.065841	0
BRM028 : Screened and washed sharp sand for mortar	0.018	1 Cum	679.63	12.23334	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	442.25	7.9605	0

Total Amount (a+b+c)	246.907761
Total GST (a)	4.2235632
OVERHEAD CHARGES @ 7.5% (+)	18.834849315
CONTRACTOR PROFIT @ 7.5% (+)	20.247463013625
LABOUR CESS @ 1% (+)	2.9021363652862
Grand Total	293.11577289391
Say For Unit 1 (Grand Total/1)	293.11577289391

Item 7

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.	545.68	19.535344	3.51636192
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	679.63	10.19445	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

Total Amount (a+b+c)	172.5241186
Total GST (a)	3.51636192
OVERHEAD CHARGES @ 7.5% (+)	13.203036039
CONTRACTOR PROFIT @ 7.5% (+)	14.193263741925
LABOUR CESS @ 1% (+)	2.0343678030092
Grand Total	205.47114810393
Say For Unit 1 (Grand Total/1)	205.47114810393

Item 8

Painting (AR0901c): Priming one coat with inner surface primer of approved quality oil-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 inner surface primer of approved quality oil-bound primer over plastering surfaces (Inner surface)

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM252 : Wall cement primer (I.S.I.) Oil bound	0.7812	1 Ltr	125.5	98.0406	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
BRM252 : Wall cement primer (I.S.I.) Oil bound	0.7812	1 Ltr	0.24787	0.193636044	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM252 : Wall cement primer (I.S.I.) Oil bound	0.7812	1 Ltr	0	0	0

Total Amount (a+b+c)	635.234236044
Total GST (a)	0
OVERHEAD CHARGES @ 7.5% (+)	47.6425677033
CONTRACTOR PROFIT @ 7.5% (+)	51.215760281047
LABOUR CESS @ 1% (+)	7.3409256402835
Grand Total	741.43348966863
Say For Unit 1 (Grand Total/9.3)	79.724031147165

Item 9

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	194.79	146.0925	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	0.24787	0.1859025	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)	565.2584025
Total GST (a)	0

OVERHEAD CHARGES @ 7.5% (+)	42.3943801875
CONTRACTOR PROFIT @ 7.5% (+)	45.573958701562
LABOUR CESS @ 1% (+)	6.5322674138906
Grand Total	659.75900880295
Say For Unit 1 (Grand Total/10)	65.975900880295

Item 10

Pile Foundation (AR1501ca): Single under reamed pile foundation 250 mm dia and 3.0 metre long with RCC M-20 using 12mm size black hard granite (Crusher broken) stone chips including cost of boring but excluding cost of M.S./Tor steel and labour charges for cutting, bending and binding of steel including cost, convenience, royalty,taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge. (250mm dia and 3.0 meter long)

Sub-Item of Work

Single under reamed pile foundation 250 mm dia and 3.0 metre long with RCC M20 using 12mm size black hard granite (Crusher broken) stone chips

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM178 : Bentonite powder	0.588	1Qntl	337.87	198.66756	0
BRM342 : Tripod	0.235	Per day	450	105.75	0
LR063 : Winch operator	0.235	Per day	612	143.82	0
LR062 : Boring Mistry	0.94	Per day	612	575.28	0
PM096 : Generator 33KVA Generation of Electric Energy 50KVA	0.085	per hour	700	59.5	0
PM083 : Concrete Mixer 04/0.28 cum Concrete Mixing 2.5cum/hour	0.085	per hour	229.55	19.51175	0
LR001 : Male mulia	0.283	Per day	462	130.746	0
LR025 : Mason	0.021	Per day	562	11.802	0
LR010 : Mate	0.013	Per day	512	6.656	0
BRM340 : Cement	0.805	1 Qntl.	545.68	439.2724	79.069032
BRM028 : Screened and washed sharp sand for mortar	0.096	1 Cum	76.88	7.38048	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)	0.19	1 Cum.	1396.62	265.3578	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.805	1 Qntl.	24.787	19.953535	0

BRM028 : Screened and washed sharp sand for mortar	0.096	1 Cum	679.63	65.24448	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)	0.19	1 Cum.	562.45	106.8655	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.805	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.096	1 Cum	442.25	42.456	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)	0.19	1 Cum.	552.5	104.975	0

Total Amount (a+b+c)	2303.238505
Total GST (a)	79.069032
OVERHEAD CHARGES @ 7.5% (+)	178.673065275
CONTRACTOR PROFIT @ 7.5% (+)	192.07354517062
LABOUR CESS @ 1% (+)	27.530541474456
Grand Total	2780.5846889201
Say For Unit 1 (Grand Total/1)	2780.5846889201

HAREKRUSHNA MARNDI
JE
Bahanaga Block

Bibhuti Bhusan Nayak
AEE
Bahanaga Block

Subhashree Tudu
BDO
Bahanaga Block