

Analysis

**OD/352/3349/117246/402556/00069235 : Repair & Maintenance of Muruga-1 AWC Building
Block : Bhuban, Gram Panchayat : Gada Nrusingha Prasad
Created By: Ayushi Mohapatra**

Item 1
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.	523.07	1197.8303	215.609454
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	76.88	36.9024	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.	42.622	97.60438	0
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	406.21	194.9808	0
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	953.91	915.7536	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	311.25	149.4	0
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	354.5	340.32	0

Total Amount (a+b+c)	5791.19148
Total GST (a)	215.609454
OVERHEAD CHARGES @ 7.5% (+)	450.51007005
CONTRACTOR PROFIT @ 7.5% (+)	484.29832530375
LABOUR CESS @ 1% (+)	69.416093293538
Grand Total	7011.0254226473

Say For Unit 1 (Grand Total/1)	7011.0254226473
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Item 2

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.	523.07	1689.5161	304.112898
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	76.88	34.596	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.	42.622	137.66906	0
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	406.21	182.7945	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.	953.91	858.519	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	311.25	140.0625	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.	354.5	319.05	0

Total Amount (a+b+c)	7126.52516
Total GST (a)	304.112898

OVERHEAD CHARGES @ 7.5% (+)	557.29785435
CONTRACTOR PROFIT @ 7.5% (+)	599.09519342625
LABOUR CESS @ 1% (+)	85.870311057763
Grand Total	8672.901416834
Say For Unit 1 (Grand Total/1)	8672.901416834

Item 3

Concrete (AR0318): 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) including hoisting and laying in position compacting and curing for the proper period with cost conveyance, royalty, taxes of all materials, labor and T&P required for the work etc. complete as per specification and direction of Engineer-in charge. (Old Work)

Sub-Item of Work

4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken)

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR001 : Male mulia	1.008	Per day	462	465.696	0
LR044 : Mason	0.165	Per day	612	100.98	0
BRM340 : Cement	0.1287	1 Qntl.	523.07	67.319109	12.11743962
BRM028 : Screened and washed sharp sand for mortar	0.018	1 Cum	76.88	1.38384	0
BRM064 : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.018	1 Cum.	792.8	14.2704	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)	0.018	1 Cum.	1396.62	25.13916	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.1287	1 Qntl.	42.622	5.4854514	0
BRM028 : Screened and washed sharp sand for mortar	0.018	1 Cum	406.21	7.31178	0
BRM064 : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.018	1 Cum.	953.91	17.17038	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)	0.018	1 Cum.	953.91	17.17038	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.1287	1 Qntl.	0	0	0

BRM028 : Screened and washed sharp sand for mortar	0.018	1 Cum	311.25	5.6025	0
BRM064 : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.018	1 Cum.	354.5	6.381	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)	0.018	1 Cum.	354.5	6.381	0

Total Amount (a+b+c)	740.2910004
Total GST (a)	12.11743962
OVERHEAD CHARGES @ 7.5% (+)	56.4306330015
CONTRACTOR PROFIT @ 7.5% (+)	60.662930476613
LABOUR CESS @ 1% (+)	8.6950200349811
Grand Total	878.19702353309
Say For Unit 1 (Grand Total/1)	878.19702353309

Item 4

Iron Work (AR1702): Iron work wrought and put up in window grating including drilling holes in choukathas including all cost of labour, material, machinery and T & P required for the work etc. as per direction of Engineer-in-Charge.

Sub-Item of Work

Iron work wrought and put up in window grating including drilling holes in choukathas

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	0.508	1 Qntl.	6151.01	3124.71308	562.4483544
LR011 : Helper to carpenter or Blacksmith/ Painter/ Blaster/Plumber/ Electrician/ Fitter/Welder	0.75	Per day	512	384	0
LR027 : Carpenter	0.75	Per day	562	421.5	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	0.508	1 Qntl.	42.622	21.651976	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	0.508	1 Qntl.	0	0	0

Total Amount (a+b+c)	3951.865056
Total GST (a)	562.4483544
OVERHEAD CHARGES @ 7.5% (+)	338.57350578
CONTRACTOR PROFIT @ 7.5% (+)	363.9665187135

LABOUR CESS @ 1% (+)	52.168534348935
Grand Total	5269.0219692424
Say For Unit 1 (Grand Total/0.508)	10372.090490635

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