

Analysis

**OD/362/3462/119647/408199/00063422 : Repair & Maintenance of Govt. PS, Sananairi.
Block : Chilika, Gram Panchayat : Sananasiri
Created By: Poonam Mahapatra**

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	56.19	5619	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	1045.91	104591	0

c) Royalty Rate Details					

Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	43.25	4325	0
Total Amount (a+b+c)				120245.32	
Total GST (a)					0
OVERHEAD CHARGES @ 7.5% (+)				9018.399	
CONTRACTOR PROFIT @ 7.5% (+)				9694.778925	
LABOUR CESS @ 1% (+)				1389.58497925	
Grand Total				140348.08290425	
Say For Unit 1 (Grand Total/100)				1403.4808290425	

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.	544.6	1247.134	224.48412
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	62.58	30.0384	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.	28.354	64.93066	0
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	1045.91	502.0368	0
BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	1 Cum.	861.91	827.4336	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	43.25	20.76	0
BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	1 Cum.	199.5	191.52	0

Total Amount (a+b+c)	5542.67906
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Total GST (a)	224.48412
OVERHEAD CHARGES @ 7.5% (+)	432.5372385
CONTRACTOR PROFIT @ 7.5% (+)	464.9775313875
LABOUR CESS @ 1% (+)	66.646779498875
Grand Total	6731.3247293864
Say For Unit 1 (Grand Total/1)	6731.3247293864

Item 4

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.	544.6	23.4178	4.215204
BRM028 : Screened and washed sharp sand for mortar	0.018	1 Cum	62.58	1.12644	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.043	1 Qntl.	28.354	1.219222	0
BRM028 : Screened and washed sharp sand for mortar	0.018	1 Cum	1045.91	18.82638	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	43.25	0.7785	0

Total Amount (a+b+c)	246.168342
Total GST (a)	4.215204
OVERHEAD CHARGES @ 7.5% (+)	18.77876595
CONTRACTOR PROFIT @ 7.5% (+)	20.18717339625
LABOUR CESS @ 1% (+)	2.8934948534625
Grand Total	292.24298019971
Say For Unit 1 (Grand Total/1)	292.24298019971

Item 5

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.	544.6	19.49668	3.5094024
BRM028 : Screened and washed sharp sand for mortar	0.015	1 Cum	62.58	0.9387	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.0358	1 Qntl.	28.354	1.0150732	0
BRM028 : Screened and washed sharp sand for mortar	0.015	1 Cum	1045.91	15.68865	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	43.25	0.64875	0

Total Amount (a+b+c)

171.9078532

Total GST (a)

3.5094024

OVERHEAD CHARGES @ 7.5% (+)

13.15629417

CONTRACTOR PROFIT @ 7.5% (+)

14.14301623275

LABOUR CESS @ 1% (+)

2.0271656600275

Grand Total

204.74373166278

Say For Unit 1 (Grand Total/1)

204.74373166278

Item 6

Dismantling (AR1612): Dismantling and removing 2.5 cm. thick artificial stone flooring including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.

Sub-Item of Work

Dismantling and removing 2.5 cm. thick artificial stone flooring

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	1.25	Per day	462	577.5	0
LR001 : Male mulia	0.75	Per day	462	346.5	0

Total Amount (a+b+c)	924				
Total GST (a)	0				
OVERHEAD CHARGES @ 7.5% (+)	69.3				
CONTRACTOR PROFIT @ 7.5% (+)	74.4975				
LABOUR CESS @ 1% (+)	10.677975				
Grand Total	1078.475475				
Say For Unit 1 (Grand Total/9.3)	115.96510483871				

Item 7

Flooring (AR0802ii): 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.

Sub-Item of Work

2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR001 : Male mulia	0.14	Per day	462	64.68	0
LR002 : Female mulia	0.22	Per day	462	101.64	0
LR044 : Mason	0.13	Per day	612	79.56	0
BRM340 : Cement	0.0858	1 Qntl.	544.6	46.72668	8.4108024
BRM028 : Screened and washed sharp sand for mortar	0.012	1 Cum	62.58	0.75096	0
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)	0.023	1 Cum.	1063.23	24.45429	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.0858	1 Qntl.	28.354	2.4327732	0
BRM028 : Screened and washed sharp sand for mortar	0.012	1 Cum	1045.91	12.55092	0
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)	0.023	1 Cum.	861.91	19.82393	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.0858	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.012	1 Cum	43.25	0.519	0
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)	0.023	1 Cum.	199.5	4.5885	0

Total Amount (a+b+c)	357.7270532
Total GST (a)	8.4108024
OVERHEAD CHARGES @ 7.5% (+)	27.46033917
CONTRACTOR PROFIT @ 7.5% (+)	29.51986460775
LABOUR CESS @ 1% (+)	4.2311805937775
Grand Total	427.34923997153
Say For Unit 1 (Grand Total/1)	427.34923997153

Item 8
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.	544.6	311.5112	56.072016
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	62.58	15.0192	0
BRM079 : Laterite Stone rough dressed	1	1 Cum.	729.98	729.98	0

b) Carriage Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	0.572	1 Qntl.	28.354	16.218488	0
BRM028 : Screened and washed sharp sand for mortar	0.24	1 Cum	1045.91	251.0184	0
BRM079 : Laterite Stone rough dressed	1	1 Cum.	861.91	861.91	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	43.25	10.38	0
BRM079 : Laterite Stone rough dressed	1	1 Cum.	169.5	169.5	0

Total Amount (a+b+c)	5641.117288
Total GST (a)	56.072016
OVERHEAD CHARGES @ 7.5% (+)	427.2891978
CONTRACTOR PROFIT @ 7.5% (+)	459.335887635
LABOUR CESS @ 1% (+)	65.83814389435
Grand Total	6649.6525333294
Say For Unit 1 (Grand Total/1)	6649.6525333294

Item 9

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.	544.6	365.9712	65.874816
BRM028 : Screened and washed sharp sand for mortar	0.28	1 Cum	62.58	17.5224	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.	28.354	19.053888	0

BRM028 : Screened and washed sharp sand for mortar	0.28	1 Cum	1045.91	292.8548	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	2.18935	766.2725	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	43.25	12.11	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)	5478.497288
Total GST (a)	65.874816
OVERHEAD CHARGES @ 7.5% (+)	415.8279078
CONTRACTOR PROFIT @ 7.5% (+)	447.015000885
LABOUR CESS @ 1% (+)	64.07215012685
Grand Total	6471.2871628118
Say For Unit 1 (Grand Total/1)	6471.2871628118

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