

Analysis

OD/367/3523/120600/406119/00071575 : KARABARA PRIMARY SCHOOL DEVELOPMENT
Block : Bhapur, Gram Panchayat : Karabara
Created By: SARADA PRASANNA PANDA

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	56.57	5657	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	367.15	36715	0

c) Royalty Rate Details					

Particular	Quantity	Unit	Rate	Amount	GST
BRM029 : Sand for filling and road blinding	100	1 Cum	305.25	30525	0

Total Amount (a+b+c)	78607.32				
Total GST (a)	0				
OVERHEAD CHARGES @ 7.5% (+)	5895.549				
CONTRACTOR PROFIT @ 7.5% (+)	6337.715175				
LABOUR CESS @ 1% (+)	908.40584175				
Grand Total	91748.99001675				
Say For Unit 1 (Grand Total/100)	917.4899001675				

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.	523.07	1197.8303	215.609454
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	63	30.24	0
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	954	915.84	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	2.29	1 Qntl.	24.787	56.76223	0
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	367.15	176.232	0
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	406.21	389.9616	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	305.25	146.52	0
BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1 Cum.	199.5	191.52	0

Total Amount (a+b+c)	5007.86613				
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Total GST (a)	215.609454
OVERHEAD CHARGES @ 7.5% (+)	391.7606688
CONTRACTOR PROFIT @ 7.5% (+)	421.14271896
LABOUR CESS @ 1% (+)	60.3637897176
Grand Total	6096.7427614776
Say For Unit 1 (Grand Total/1)	6096.7427614776

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.	90.1	720.8	0
BRM341 : Steel	10.5	1 Qntl.	6361.32	66793.86	12022.8948

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)	73532.2035
Total GST (a)	12022.8948
OVERHEAD CHARGES @ 7.5% (+)	6416.6323725
CONTRACTOR PROFIT @ 7.5% (+)	6897.8798004375
LABOUR CESS @ 1% (+)	988.69610472937
Grand Total	99858.306577667
Say For Unit 1 (Grand Total/10)	9985.8306577667

Item 5

R.C.C. Work (AR0404B): R.C.C. work of M-20 grade with 20mm & downgrade 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(Nominal mix as per IS-456, Table-9).

Sub-Item of Work

Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips.(Nominal mix as per IS-456, Table-9).

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
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.	1360.29	734.5566	0
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.	523.07	1816.779031	327.02022558
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	63	28.35	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
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.	406.21	146.2356	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.	406.21	219.3534	0
BRM340 : Cement	3.4733	1 Qntl.	24.787	86.0926871	0
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	367.15	165.2175	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
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.	199.5	71.82	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.	199.5	107.73	0
BRM340 : Cement	3.4733	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	305.25	137.3625	0

Total Amount (a+b+c)	5097.5607181
Total GST (a)	327.02022558
OVERHEAD CHARGES @ 7.5% (+)	406.843570776
CONTRACTOR PROFIT @ 7.5% (+)	437.3568385842
LABOUR CESS @ 1% (+)	62.687813530402
Grand Total	6331.4691665706
Say For Unit 1 (Grand Total/1)	6331.4691665706

Item 6

Masonry Brick Work (AR0603b): Brickwork with Flyash Bricks of size (25cm x 12cm 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 (25cm x 12cm 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
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.	523.07	351.50304	63.2705472
BRM028 : Screened and washed sharp sand for mortar	0.28	1 Cum	63	17.64	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	367.15	102.802	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 ± 2 %	350	1000 Nos	0.8641	302.435	0
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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	305.25	85.47	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 ± 2 %	350	1000 Nos	0	0	0

Total Amount (a+b+c)	4848.219404
Total GST (a)	63.2705472
OVERHEAD CHARGES @ 7.5% (+)	368.36174634
CONTRACTOR PROFIT @ 7.5% (+)	395.9888773155
LABOUR CESS @ 1% (+)	56.758405748555
Grand Total	5732.5989806041
Say For Unit 1 (Grand Total/1)	5732.5989806041

Item 7

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.	523.07	351.50304	63.2705472
BRM028 : Screened and washed sharp sand for mortar	0.28	1 Cum	63	17.64	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 ± 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	367.15	102.802	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	1.1586	405.51	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	305.25	85.47	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)	4984.294404				
Total GST (a)	63.2705472				
OVERHEAD CHARGES @ 7.5% (+)	378.56737134				
CONTRACTOR PROFIT @ 7.5% (+)	406.9599241905				
LABOUR CESS @ 1% (+)	58.330922467305				
Grand Total	5891.4231691978				
Say For Unit 1 (Grand Total/1)	5891.4231691978				

Item 8
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.	198.296	5.2945032	0

BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.00614	1Mtr.	198.296	1.21753744	0
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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 9

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

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 10

R.C.C. Work (AR0410e): 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. Lintels Data for 7.8 sqm

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
BRM094 : Non-sal bullahs 125mm. mean dia of any length.	2.1	1Mtr.	41.81	87.801	0
BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0413	1Cum.	58374.79	2410.878827	0
LR008 : Sangi mulia	1.25	Per day	512	640	0
LR027 : Carpenter	1.25	Per day	562	702.5	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.0276	1Mtr.	198.296	5.4729696	0
BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0413	1Cum.	198.296	8.1896248	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.0276	1Mtr.	0	0	0
BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0413	1Cum.	0	0	0

Total Amount (a+b+c)	3854.8424214
Total GST (a)	0
OVERHEAD CHARGES @ 7.5% (+)	289.113181605
CONTRACTOR PROFIT @ 7.5% (+)	310.79667022538
LABOUR CESS @ 1% (+)	44.547522732304
Grand Total	4499.2997959627
Say For Unit 1 (Grand Total/7.8)	576.8333071747

Item 11

Iron Work (AR1704): Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.

Sub-Item of Work
Iron Doors and windows fixing

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	0.508	1 Qntl.	6361.32	3231.55056	581.6791008
LR001 : Male mulia	3.25	Per day	462	1501.5	0
LR011 : Helper to carpenter or Blacksmith/ Painter/ Blaster/Plumber/ Electrician/ Fitter/Welder	1	Per day	512	512	0
LR028 : Fitter	1	Per day	562	562	0
LR047 : Fitter	1	Per day	612	612	0
LR026 : Black smith	1	Per day	562	562	0
LR046 : Blacksmith	0.75	Per day	612	459	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM341 : Steel	0.508	1 Qntl.	24.787	12.591796	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)	7452.642356
Total GST (a)	581.6791008
OVERHEAD CHARGES @ 7.5% (+)	602.57410926
CONTRACTOR PROFIT @ 7.5% (+)	647.7671674545
LABOUR CESS @ 1% (+)	92.846627335145
Grand Total	9377.5093608496
Say For Unit 1 (Grand Total/0.508)	18459.664096161

Gayatri Khatua
JE
Bhapur Block

Ritimukta Swain
AEE
Bhapur Block

SARADA PRASANNA PANDA
BDO
Bhapur Block