

## Analysis

**OD/367/3527/120668/406664/00013787 : DEV OF KENDUDHIPI BADA POKHARI**

**Block : Nayagarh, Gram Panchayat : Kendudhipi**

**Created By:Aishwarya Bhuyan**

### 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

**LABOUR CESS @ 1% (+)**

238.392

**Grand Total**

24077.592

**Say For Unit 1 (Grand Total/100)**

240.77592

### 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	354.13	35413	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

<b>Total Amount (a+b+c)</b>	77305.32				
<b>Total GST (a)</b>	0				
<b>LABOUR CESS @ 1% (+)</b>	773.0532				
<b>Grand Total</b>	78078.3732				
<b>Say For Unit 1 (Grand Total/100)</b>	780.783732				

**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.	554.5	1269.805	355.5454
BRM028 : Screened and washed sharp sand for mortar	0.48	1 Cum	63	30.24	0
BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	1 Cum.	762.43	731.9328	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	354.13	169.9824	0
BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	1 Cum.	276.01	264.9696	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
BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	1 Cum.	199.5	191.52	0

<b>Total Amount (a+b+c)</b>	4764.69203
<b>Total GST (a)</b>	355.5454
<b>LABOUR CESS @ 1% (+)</b>	51.2023743
<b>Grand Total</b>	5171.4398043
<b>Say For Unit 1 (Grand Total/1)</b>	5171.4398043

#### Item 4

**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 specification 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
<b>LR002 : Female mulia</b>	1.4	Per day	462	646.8	0
<b>LR001 : Male mulia</b>	3.2	Per day	462	1478.4	0
<b>LR025 : Mason</b>	0.68	Per day	562	382.16	0
<b>BRM340 : Cement</b>	3.23	1 Qntl.	554.5	1791.035	501.4898
<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.45	1 Cum	63	28.35	0
<b>BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve &amp; retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)</b>	0.9	1 Cum.	1396.62	1256.958	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM340 : Cement</b>	3.23	1 Qntl.	24.787	80.06201	0
<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.45	1 Cum	354.13	159.3585	0
<b>BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve &amp; retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)</b>	0.9	1 Cum.	276.01	248.409	0

#### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
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<b>BRM340 : Cement</b>	3.23	1 Qntl.	0	0	0
<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.45	1 Cum	305.25	137.3625	0
<b>BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve &amp; retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)</b>	0.9	1 Cum.	199.5	179.55	0

<b>Total Amount (a+b+c)</b>	6388.44501
<b>Total GST (a)</b>	501.4898
<b>LABOUR CESS @ 1% (+)</b>	68.8993481
<b>Grand Total</b>	6958.8341581
<b>Say For Unit 1 (Grand Total/1)</b>	6958.8341581

### Item 5

**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
<b>BRM104 : Non Sal wood scantling &amp; plants(Tentera, Kasi, Gamhari, Kuruma)</b>	0.0267	1Cum.	58374.79	1558.606893	0
<b>BRM092 : Non-sal bullahs 75mm. mean dia of any length.</b>	1.26	1Mtr.	30.81	38.8206	0
<b>LR008 : Sangi mulia</b>	0.5	Per day	512	256	0
<b>LR027 : Carpenter</b>	0.5	Per day	562	281	0

#### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM104 : Non Sal wood scantling &amp; plants(Tentera, Kasi, Gamhari, Kuruma)</b>	0.0267	1Cum.	198.296	5.2945032	0
<b>BRM092 : Non-sal bullahs 75mm. mean dia of any length.</b>	0.00614	1Mtr.	198.296	1.21753744	0

#### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM104 : Non Sal wood scantling &amp; plants(Tentera, Kasi, Gamhari, Kuruma)</b>	0.0267	1Cum.	0	0	0

BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.00614	1Mtr.	0	0	0
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<b>Total Amount (a+b+c)</b>	2140.93953364
<b>Total GST (a)</b>	0
<b>LABOUR CESS @ 1% (+)</b>	21.4093953364
<b>Grand Total</b>	2162.3489289764
<b>Say For Unit 1 (Grand Total/10)</b>	216.23489289764

## Item 6

**Flooring (AR0817apk):** Fixing Chequered Tiles in dados, skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Chequered tiles including rubbing and polishing complete including the cost of precast tiles(For repair and maintenance) .

Sub-Item of Work

**Fixing Chequered Tiles in dados skirting and risers of steps on 12mm thick cement plaster (1:3)(For repair and maintenance) .**

### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM134 : Chequered Tiles.	10	1 Sqm.	221.1	2211	0
BRMMR0027 : Wax Polish	10	1 Sqm	8.5	85	0
LR044 : Mason	3.25	Per day	612	1989	0
LR001 : Male mulia	3.25	Per day	462	1501.5	0
LR008 : Sangi mulia	7.6	Per day	512	3891.2	0
BRM340 : Cement	1.375	1 Qntl.	554.5	762.4375	213.4825
BRM028 : Screened and washed sharp sand for mortar	0.15	1 Cum	63	9.45	0

### b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	1.375	1 Qntl.	24.787	34.082125	0
BRM028 : Screened and washed sharp sand for mortar	0.15	1 Cum	354.13	53.1195	0

### c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	1.375	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.15	1 Cum	305.25	45.7875	0

<b>Total Amount (a+b+c)</b>	10582.576625
<b>Total GST (a)</b>	213.4825

<b>LABOUR CESS @ 1% (+)</b>	107.96059125
<b>Grand Total</b>	10904.01971625
<b>Say For Unit 1 (Grand Total/10)</b>	1090.401971625

### Item 7

**R.C.C. Work (AR0404Bg):** Reinforced cement concrete 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, lending, balcony, sun shed)(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(RCC Roof slab, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9).**

#### a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
<b>Combine :: R.C.C. Work (AR0404B)</b>					
<b>BRM060 :</b> 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
<b>BRM052 :</b> 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
<b>PM096 :</b> Generator 33KVA Generation of Electric Energy 50KVA	0.4	per hour	700	280	0
<b>PM083 :</b> Concrete Mixer 04/0.28 cum Concrete Mixing 2.5cum/hour	0.4	per hour	229.55	91.82	0
<b>LR001 :</b> Male mulia	1.3333	Per day	462	615.9846	0
<b>LR025 :</b> Mason	0.1	Per day	562	56.2	0
<b>LR010 :</b> Mate	0.0573	Per day	512	29.3376	0
<b>BRM340 :</b> Cement	3.4733	1 Qntl.	554.5	1925.94485	539.264558
<b>BRM028 :</b> Screened and washed sharp sand for mortar	0.45	1 Cum	63	28.35	0
<b>Combine :: R.C.C. Work (AR0410a)</b>					
<b>BRM084 :</b> Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	6.2216	1Mtr	51.87	322.714392	0
<b>BRM104 :</b> Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	1Cum.	58374.79	2931.418504388	0

<b>LR008 : Sangi mulia</b>	3.05525	Per day	512	1564.288	0
<b>LR027 : Carpenter</b>	3.05525	Per day	562	1717.0505	0

**b) Carriage Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM060 : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve &amp; retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)</b>	0.36	1 Cum.	276.01	99.3636	0
<b>BRM052 : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve &amp; retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)</b>	0.54	1 Cum.	276.01	149.0454	0
<b>BRM340 : Cement</b>	3.4733	1 Qntl.	24.787	86.0926871	0
<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.45	1 Cum	354.13	159.3585	0
<b>BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.</b>	0.076659	1Mtr	198.296	15.201173064	0
<b>BRM104 : Non Sal wood scantling &amp; plants(Tentera, Kasi, Gamhari, Kuruma)</b>	0.0502172	1Cum.	198.296	9.9578698912	0

**c) Royalty Rate Details**

Particular	Quantity	Unit	Rate	Amount	GST
<b>BRM060 : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve &amp; retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)</b>	0.36	1 Cum.	199.5	71.82	0
<b>BRM052 : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve &amp; retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)</b>	0.54	1 Cum.	199.5	107.73	0
<b>BRM340 : Cement</b>	3.4733	1 Qntl.	0	0	0
<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.45	1 Cum	305.25	137.3625	0
<b>BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.</b>	0.076659	1Mtr	0	0	0
<b>BRM104 : Non Sal wood scantling &amp; plants(Tentera, Kasi, Gamhari, Kuruma)</b>	0.0502172	1Cum.	0	0	0

<b>Total Amount (a+b+c)</b>	11644.317976443
<b>Total GST (a)</b>	539.264558
<b>LABOUR CESS @ 1% (+)</b>	121.83582534443
<b>Grand Total</b>	12305.418359788
<b>Say For Unit 1 (Grand Total/1)</b>	12305.418359788

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