

## Detailed Estimate

**OD/361/3452/119453/386013/00015532 : CONSTRUCTION OF CC ROAD FROM BALABHADRA SAHOO HOUSE TO  
RAJIB SAHOO GOBARDHAN**

**Block : Kendujhar Sadar, Gram Panchayat : Gobardhan**

**Created By:Subhashree Behera**

<b>1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift</b>								
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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	road	1.000	23.330	15.280	1.000	0.000	356.482	-
ii	GUARD WALL	1.000	23.330	1.250	1.410	0.000	41.119	-
iii	guard wall	2.000	23.330	1.250	1.410	0.000	82.238	-
iv	guard wall	1.000	18.000	1.250	1.410	0.000	31.725	-
Total Quantity					511.564775 Cft (Cubic Foot)		14.48587742072 Cum (Cubic Meter)	
<b>Amount</b>					<b>14.48587742072 X 240.77592</b>		<b>3487.85</b>	
<b>2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed</b>								
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	guard wallWALL	1.000	23.330	1.250	0.330	0.000	9.624	-
ii	GUARD WALL	1.000	18.000	1.250	0.330	0.000	7.425	-
iii	ROAD	1.000	23.330	15.280	0.330	0.000	117.639	-
iv	guard wall	2.000	23.330	1.250	0.330	0.000	19.247	-
Total Quantity					153.935067 Cft (Cubic Foot)		4.3589485052256 Cum (Cubic Meter)	

Amount	4.3589485052256 X 1008.205432	4394.72
--------	----------------------------------	---------

### 3. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	guard wallALL	1.000	23.330	1.250	0.330	0.000	9.624	-
ii	ROAD	1.000	23.330	15.280	0.330	0.000	117.639	-
iii	GUARD WALL	1.000	18.000	1.250	0.330	0.000	7.425	-
iv	GUARD WALL	2.000	23.330	1.250	0.330	0.000	19.247	-
v	upto gl guard wall	1.000	23.330	1.250	0.750	0.000	21.872	-
vi	upto gl guard wall	2.000	23.330	1.250	0.750	0.000	43.744	-
vii	upto gl	1.000	18.000	1.250	0.750	0.000	16.875	-
viii	above gl guard wall	1.000	23.330	1.000	2.500	0.000	58.325	-
ix	above gl guard wall	2.000	23.330	1.000	2.500	0.000	116.650	-
x	above gl guard wall	1.000	18.000	1.000	2.500	0.000	45.000	-
Total Quantity					456.400692 Cft (Cubic Foot)		12.923807115226 Cum (Cubic Meter)	
Amount					12.923807115226 X 6019.26049456		77791.76	

### 4. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
-------	-------------	----	---	---	---	----	----------	-----------

i	ROAD	1.000	23.330	15.280	0.250	0.000	89.121	-
ii	GUARD WALL	1.000	18.000	1.000	0.160	0.000	2.880	-
iii	guard wall	2.000	23.330	1.000	0.160	0.000	7.466	-
Total Quantity					99.4662 Cft (Cubic Foot)		2.81656449216 Cum (Cubic Meter)	
Amount					2.81656449216 X 7501.18442472		21127.57	

**5. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc**

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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	CUT OFF WALL	2.000	2.000	56.000	0.500	0.093	10.405	-
ii	ROAD	1.000	2.000	56.000	0.330	0.093	3.434	-
iii	GUARD WALL	2.000	44.000	2.500	0.000	0.093	20.438	-
Total Quantity					34.276384 Sqm (Sqm)		34.276384 Sqm (Square Meter)	
Amount					34.276384 X 216.23489289764		7411.75	

**6. Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside**

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	GUARDWALL	4.000	23.330	0.000	2.500	0.000	233.300	-
ii	guard wall	2.000	23.330	0.000	2.500	0.000	116.650	-
Total Quantity					349.95 Sft (Square Foot)		32.51140485 Sqm (Square Meter)	

<b>Amount</b>				32.51140485 X 175.8800719712		5718.11		
<b>7. 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</b>								
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	cost of rod	0.857	0.000	0.000	0.000	0.000	0.857	-
Total Quantity					0.857 Qntl (Quintal)		0.857 Qntl (Quintal)	
<b>Amount</b>					<b>0.857 X 9262.2324417</b>		<b>7937.73</b>	
<b>8. R.C.C. Work (AR0404Ag) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips</b>								
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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	slab	1.000	18.500	2.830	0.750	0.000	39.266	-
Total Quantity					39.26625 Cft (Cubic Foot)		1.111894548 Cum (Cubic Meter)	
<b>Amount</b>					<b>1.111894548 X 12720.486729789</b>		<b>14143.84</b>	
<b>Total Amount</b>							<b>142013.33</b>	
<b>Addition</b>								
Provision for Contingency (+) @							1438.00	
Display Citizen Board (+) @							300.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								

<b>Total Addition</b>	<b>1738.00</b>
<b>Grand Net Total Amount</b>	<b>143751.33</b>

**Subhashree Behera**  
**JE**  
**Kendujhar Sadar Block**

**Sabyasachi Pradhan**  
**AEE**  
**Kendujhar Sadar Block**

**Binod Chandra Panda**  
**BDO**  
**Kendujhar Sadar Block**