

## Detailed Estimate

**OD/369/3541/120985/409584/00075173 : CONSTRUCTION OF DIMIRI MAHADEV COMMUNITY CENTER**

**Block : Kanas, Gram Panchayat : Kanas**

**Created By: Bala Krushna Jena**

<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	Wall Fn	1.000	20.940	0.750	0.750	0.000	11.779	-
ii	Deduct For Jn	2.000	0.375	0.750	0.750	0.000	-	0.422
<b>Total Quantity</b>					<b>11.356875 cum (cum)</b>		<b>11.356875 Cum (Cubic Meter)</b>	
<b>Amount</b>					<b>11.356875 X 240.77592</b>		<b>2734.46</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	Wall Fn	1.000	20.940	0.750	0.150	0.000	2.356	-
ii	Inside plinth	1.000	2.940	2.700	0.575	0.000	4.564	-
iii		1.000	2.940	2.380	0.575	0.000	4.023	-
iv	Outer plinth	1.000	5.000	1.500	0.300	0.000	2.250	-
v	Wall Junction	2.000	0.375	0.750	0.150	0.000	-	0.084
<b>Total Quantity</b>					<b>13.109115 cum (cum)</b>		<b>13.109115 Cum (Cubic Meter)</b>	
<b>Amount</b>					<b>13.109115 X 651.008832</b>		<b>8534.15</b>	
<b>3. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal</b>								

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	Wall Fn	1.000	20.940	0.750	0.150	0.000	2.356	-
ii	Wall junction	2.000	0.375	0.750	0.150	0.000	-	0.084
Total Quantity					2.271375 cum (cum)		2.271375 Cum (Cubic Meter)	
Amount					2.271375 X 6030.34730496		13697.18	

**4. R.C.C. Work (AR0404Ab) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips**

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 Plinth band)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Plinth beam	1.000	20.690	0.250	0.250	0.000	1.293	-
Total Quantity					1.293125 cum (cum)		1.293125 Cum (Cubic Meter)	
Amount					1.293125 X 7290.7507719474		9427.85	

**5. R.C.C. Work (AR0404Ad) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips**

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 Lintels)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Lintel	1.000	20.690	0.250	0.200	0.000	1.035	-
Total Quantity					1.0345 cum (cum)		1.0345 Cum (Cubic Meter)	
Amount					1.0345 X 13198.212875336		13653.55	

**6. R.C.C. Work (AR0404Ag) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips**

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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Chajja	1.000	1.200	0.500	0.065	0.000	0.039	-
ii	Roof slab	1.000	3.800	6.220	0.125	0.000	2.955	-
Total Quantity					2.9935 cum (cum)		2.9935 Cum (Cubic Meter)	
Amount					2.9935 X 12835.813051196		38424.01	

**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**

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	R.c.c items	1.000	4.700	1.000	1.000	0.000	4.700	-
Total Quantity					4.7 Qntl (Quintal)		4.7 Qntl (Quintal)	
Amount					4.7 X 7947.1441455		37351.58	

**8. Masonry Stone Work (AR0717) : Laterite stone masonry**

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall Fn	1.000	20.340	0.600	0.225	0.000	2.746	-
ii		1.000	20.440	0.500	0.225	0.000	2.300	-
iii		1.000	20.660	0.280	0.450	0.000	2.603	-
Total Quantity					7.64856 cum (cum)		7.64856 Cum (Cubic Meter)	
Amount					7.64856 X 5855.306221728		44784.66	

**9. Masonry Stone Work (AR0717i) : Laterite stone masonry in cement mortar (1:6) in superstructure**

Laterite stone masonry in cement mortar (1:6) in superstructure cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	1.000	20.660	0.280	3.050	0.000	17.644	-
ii	Door	2.000	1.050	0.280	2.100	0.000	-	1.235
iii	Window	1.000	0.900	0.280	2.100	0.000	-	0.529
iv	Lintel	1.000	1.030	1.000	1.000	0.000	-	1.030
Total Quantity					14.84964 cum (cum)		14.84964 Cum (Cubic Meter)	
Amount					14.84964 X 5897.625221728		87577.61	

**10. Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips**

2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting 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 specificaion and direction of Engineer-in charge. (new work)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Roof top	1.000	3.800	6.220	0.000	0.000	23.636	-
Total Quantity					23.636 Sqm (Sqm)		23.636 Sqm (Square Meter)	
Amount					23.636 X 361.7623907692		8550.62	

**11. Plastering (AR1026) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces (inside)**

6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Ceilling	1.000	2.940	2.700	0.000	0.000	7.938	-
ii		1.000	2.940	2.380	0.000	0.000	6.997	-
iii		1.000	1.200	0.500	0.000	0.000	0.600	-
Total Quantity					15.5352 Sqm (Sqm)		15.5352 Sqm (Square Meter)	

<b>Amount</b>						<b>15.5352 X 160.3721743504</b>	<b>2491.41</b>	
<b>12. Plastering (AR1008i) : 20mm thick cement Plaster in CM (1:6) over stone work in outside (Outside)</b>								
20mm thick cement Plaster in CM (1:6) over stone work in outside 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	2.000	20.660	0.000	3.750	0.000	154.950	-
ii	Door	2.000	1.050	0.000	2.100	0.000	-	4.410
iii	Window	1.000	0.900	0.000	0.900	0.000	-	0.810
Total Quantity					149.73 Sqm (Sqm)		149.73 Sqm (Square Meter)	
<b>Amount</b>						<b>149.73 X 259.754745968</b>		<b>38893.08</b>
<b>13. Concrete (AR0304) : Cement concrete (1:4:8) with 4 cm. hard granite(Crusher Broken) metal</b>								
Cement concrete (1:4:8) 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	flooring	1.000	2.940	2.700	0.100	0.000	0.794	-
ii		1.000	2.940	2.380	0.100	0.000	0.700	-
Total Quantity					1.49352 cum (cum)		1.49352 Cum (Cubic Meter)	
<b>Amount</b>						<b>1.49352 X 5643.78640128</b>		<b>8429.11</b>
<b>14. Flooring (AR0802i) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips</b>								
2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Floor	1.000	2.940	2.700	0.000	0.000	7.938	-
ii		1.000	2.940	2.380	0.000	0.000	6.997	-

Total Quantity	14.9352 Sqm (Sqm)	14.9352 Sqm (Square Meter)
Amount	14.9352 X 377.7453165592	5641.70

**15. Plastering (AR1041) : Finishing wall cement washing one coat on the inner surface**

Finishing wall cement washing one coat on the inner surface of on new work including all costs of labour, Paint and Brushes 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	Qty of ceiling plaster	15.540	1.000	0.000	0.000	0.000	15.540	-
ii	qty of 20 mm c.p	120.000	1.000	0.000	0.000	0.000	120.000	-
Total Quantity			135.54 Sqm (Sqm)			135.54 Sqm (Square Meter)		
Amount			135.54 X 16.894518290581			2289.88		

**16. miscellaneous (ARM105) : Labour for fitting and fixing of M.S. window grills including cost of screws complete. (Iron works) and as directed by Engineer-in-Charge.**

Labour for fitting and fixing of M.S. window grills including cost of screws complete. (Iron works) and as directed by Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		0.000	0.000	0.000	0.000	0.000	1.000	-
Total Quantity			1 Sqm (Sqm)			1 Sqm (Square Meter)		
Amount			1 X 16.22			16.22		

**17. Iron Work (AR1704) : Iron Doors and windows fixing**

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Door	1.000	86.000	0.000	0.000	0.000	86.000	-
ii	window	1.000	38.500	0.000	0.000	0.000	38.500	-
Total Quantity			124.5 Kg (Kilo Gram)			1.245 Qntl (Quintal)		

<b>Amount</b>	1.245 X 15312.872417087	19064.53
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<b>Total Amount (A) : 341561.60</b>
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<b>Additional Components</b>			
#	Item Name	Remark	Amount (in Rs.)
1	Provision for Contingency @ Rs.3500	-	3500
2	Display Citizen Board @ Rs.4938	-	4938
<b>Additional Components Amount (F) : 8438</b>			

<b>Grand Total Amount (A + F) : 349999.59796918</b>
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**Bala Krushna Jena**  
JE  
Kanas Block

**SASWAT KUMAR SENAPATI**  
AEE  
Kanas Block

**SOUMYA RANJAN SWAIN**  
BDO  
Kanas Block