

## Detailed Estimate

**OD/369/3545/121072/409785/00070159 : Construction of Kurunti Youth Community Centre, Hantuka GP**  
**Block : Sadar, Gram Panchayat : Hantuka**  
**Created By:Rashmi Ranjan Khatua**

**1. R.C.C. Work (AR0404B) : 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).**

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).

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	col above plinth beam	3.000	0.250	0.250	2.750	0.000	0.516	-
ii		6.000	0.250	0.375	2.750	0.000	1.547	-
iii	lintel	2.000	6.150	0.250	0.180	0.000	0.554	-
iv		2.000	4.500	0.250	0.180	0.000	0.405	-
v	ver lintel	2.000	2.100	0.250	0.180	0.000	0.189	-
vi	ver front lintel beam	1.000	6.150	0.250	0.250	0.000	0.384	-
vii	chhaja	1.000	1.200	0.600	0.080	0.000	0.058	-
viii	wall beam	3.000	6.150	0.250	0.250	0.000	1.153	-
ix		2.000	4.500	0.250	0.250	0.000	0.563	-
x	ver wall beam	2.000	2.100	0.250	0.250	0.000	0.263	-
xi	hall centre beam	1.000	4.500	0.250	0.300	0.000	0.338	-
xii		1.000	2.100	0.250	0.300	0.000	0.158	-
xiii	store room wall beam	2.000	2.100	0.250	0.250	0.000	0.263	-
xiv		1.000	3.000	0.250	0.250	0.000	0.188	-

xv	rcc slab	1.000	8.100	6.900	0.120	0.000	6.707	-
xvi		1.000	3.200	2.500	0.120	0.000	0.960	-
Total Quantity					14.2419 cum (cum)		14.2419 Cum (Cubic Meter)	
Amount					14.2419 X 6378.8854277428		90847.45	

**2. R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting**

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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	col cbove plinth beam	3.000	4.000	0.250	2.750	0.000	8.250	-
ii		6.000	2.000	0.250	2.750	0.000	8.250	-
iii		6.000	2.000	0.375	2.750	0.000	12.375	-
iv	wall beam	3.000	2.000	6.150	0.250	0.000	9.225	-
v		3.000	2.000	4.500	0.250	0.000	6.750	-
vi	hanging beam	1.000	2.000	4.500	0.300	0.000	2.700	-
vii		1.000	2.000	2.100	0.300	0.000	1.260	-
viii	hanging beam bottom	1.000	1.000	4.500	0.250	0.000	1.125	-
ix		1.000	1.000	2.100	0.250	0.000	0.525	-
x	ver wall beam	2.000	2.000	2.100	0.250	0.000	2.100	-
xi	store room wall beam	2.000	2.000	2.100	0.250	0.000	2.100	-
xii		1.000	2.000	3.000	0.250	0.000	1.500	-
Total Quantity					56.16 Sqm (Sqm)		56.16 Sqm (Square Meter)	

<b>Amount</b>					<b>56.16 X 1047.3822930467</b>	<b>58820.99</b>		
<b>3. R.C.C. Work (AR0410e) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting</b>								
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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	lintel	2.000	2.000	6.150	0.180	0.000	4.428	-
ii		2.000	2.000	4.500	0.180	0.000	3.240	-
iii	ver lintel front	1.000	3.000	6.150	0.250	0.000	4.613	-
iv	lintel ver both side	2.000	2.000	2.100	0.150	0.000	1.260	-
<b>Total Quantity</b>					<b>13.5405 Sqm (Sqm)</b>		<b>13.5405 Sqm (Square Meter)</b>	
<b>Amount</b>					<b>13.5405 X 499.15267251462</b>		<b>6758.78</b>	
<b>4. R.C.C. Work (AR0410a) : Centring &amp; Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas</b>								
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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	RCC slab hall	1.000	6.150	4.500	0.000	0.000	27.675	-
ii	ver	1.000	6.150	2.100	0.000	0.000	12.915	-
iii	store room	1.000	2.100	2.500	0.000	0.000	5.250	-
iv	carnice	2.000	8.000	0.120	0.000	0.000	1.920	-
v		1.000	6.800	0.120	0.000	0.000	0.816	-
vi		1.000	2.400	0.120	0.000	0.000	0.288	-
vii		1.000	3.200	0.120	0.000	0.000	0.384	-

viii	chhaja	1.000	1.060	0.600	0.000	0.000	0.636	-	
Total Quantity					49.884 Sqm (Sqm)		49.884 Sqm (Square Meter)		
Amount					49.884 X 662.689943368		33057.63		
<b>5. 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	ver column above plinth beam	3.000	6.000	3.300	0.009	0.000	0.529	-	
ii	ver col stirrups	3.000	15.000	0.650	0.004	0.000	0.116	-	
iii	main column	6.000	4.000	3.300	0.016	0.000	1.251	-	
iv		6.000	2.000	3.300	0.009	0.000	0.352	-	
v	main column stirrups	6.000	15.000	0.750	0.004	0.000	0.267	-	
vi	Lintel	2.000	4.000	6.650	0.004	0.000	0.210	-	
vii	ver lintel beam	1.000	6.000	6.650	0.009	0.000	0.355	-	
viii	C/wall lintel	2.000	4.000	5.000	0.004	0.000	0.158	-	
ix	ver side wall lintel	2.000	4.000	2.600	0.004	0.000	0.082	-	
x	ver lintel stirrups	1.000	18.000	0.800	0.004	0.000	0.057	-	
xi	lintel stirrups	1.000	125.000	0.500	0.004	0.000	0.247	-	
xii	wall beam	3.000	6.000	6.650	0.009	0.000	1.065	-	
xiii		2.000	6.000	7.350	0.009	0.000	0.785	-	

xiv	Hanging beam	1.000	6.000	7.350	0.016	0.000	0.697	-
xv	store room wall beam	1.000	6.000	2.400	0.009	0.000	0.128	-
xvi		1.000	6.000	3.000	0.009	0.000	0.160	-
xvii	wall beam stirrups	1.000	140.000	0.700	0.004	0.000	0.387	-
xviii	Slab main	2.000	52.000	4.800	0.006	0.000	3.095	-
xix		1.000	48.000	8.000	0.004	0.000	1.517	-
xx	store	1.000	25.000	3.500	0.004	0.000	0.346	-
xxi		1.000	20.000	3.200	0.004	0.000	0.253	-
xxii	cranktop	4.000	7.000	8.000	0.004	0.000	0.885	-
xxiii		4.000	7.000	6.800	0.004	0.000	0.752	-
xxiv		2.000	6.000	3.000	0.004	0.000	0.142	-
xxv		2.000	6.000	3.500	0.004	0.000	0.166	-
Total Quantity					14.0015825 Qntl (Quintal)		14.0015825 Qntl (Quintal)	
Amount					14.0015825 X 7972.459341		111627.05	
<b>6. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure</b>								
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/cm <sup>2</sup> 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall above plinth beam	2.000	6.150	0.250	2.600	0.000	7.995	-
ii		2.000	4.500	0.250	2.600	0.000	5.850	-

iii	ver	2.000	2.100	0.250	2.600	0.000	2.730	-	
iv	door	2.000	1.200	0.250	2.000	0.000	-	1.200	
v	window	2.000	1.060	0.250	1.200	0.000	-	0.636	
vi	store room wall	1.000	2.500	0.250	2.800	0.000	1.750	-	
Total Quantity					16.489 cum (cum)		16.489 Cum (Cubic Meter)		
Amount					16.489 X 5330.944160552		87901.94		

#### 7. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	front wall	1.000	6.150	3.000	0.000	0.000	18.450	-	
ii		2.000	2.100	3.000	0.000	0.000	12.600	-	
iii	above lintel	1.000	6.650	1.000	0.000	0.000	6.650	-	
iv	deduction door	1.000	1.200	2.000	0.000	0.000	-	2.400	
v	deduction front window	1.000	1.060	1.200	0.000	0.000	-	1.272	
Total Quantity					34.028 Sqm (Sqm)		34.028 Sqm (Square Meter)		
Amount					34.028 X 175.5853399928		5974.82		

#### 8. Earth Work (AR0122Bi) : Earthwork in ordinary soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift

Earthwork in ordinary soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift including dressing and leveling the bed, etc. as per direction of Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	hall	1.000	6.150	4.500	1.200	0.000	33.210	-

ii	ver	1.000	6.150	2.100	1.200	0.000	15.498	-	
iii	store	1.000	2.100	2.500	1.200	0.000	6.300	-	
iv	front approach	1.000	6.150	4.000	1.200	0.000	29.520	-	
Total Quantity					84.528 cum (cum)		84.528 Cum (Cubic Meter)		
Amount					84.528 X 310.01110892		26204.62		

**9. Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over brick work in inside.**

20mm thick cement Plaster in CM (1:4) over stone 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	roof slab	1.000	8.100	6.900	0.000	0.000	55.890	-	
ii		1.000	3.200	2.500	0.000	0.000	8.000	-	
Total Quantity					63.89 Sqm (Sqm)		63.89 Sqm (Square Meter)		
Amount					63.89 X 276.5972981504		17671.80		

**10. Painting (AR0901di) : Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface )**

Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	front wall	1.000	6.150	3.000	0.000	0.000	18.450	-
ii	ver side wall	2.000	2.100	3.000	0.000	0.000	12.600	-
iii	above lintel	1.000	6.650	1.000	0.000	0.000	6.650	-
iv	deduction door	1.000	1.200	2.000	0.000	0.000	-	2.400
v	deduction window	1.000	1.200	1.200	0.000	0.000	-	1.440

Total Quantity	33.86 Sqm (Sqm)	33.86 Sqm (Square Meter)
Amount	33.86 X 72.868046451613	2467.31
<b>Total Amount</b>		<b>441332.38</b>
<b>Addition</b>		
Provision for PH Work (+) @		
Provision for EI Work (+) @		2500.00
Provision for Contingency (+) @		0.01
Display Citizen Board (+) @		5000.00
Any Other Lumpsum (+) @		5449.60
Provision for survey investigation and quality control (+) @		
<b>Total Addition</b>		<b>12949.61</b>
<b>Grand Net Total Amount</b>		<b>454281.99</b>

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