

## Detailed Estimate

**OD/373/3587/121753/384026/00070188 : Construction of Cultural Centre at Tangargaon Nawatoli**

**Block : Subdega, Gram Panchayat : Tangargaon**

**Created By: JAYA KUMAR KISAN**

<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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	6.000	1.200	1.200	1.200	0.000	10.368	-
ii	L/W	2.000	8.330	0.600	0.600	0.000	5.998	-
iii	S/W	3.000	5.630	0.600	0.600	0.000	6.080	-
iv	step	1.000	2.300	0.900	0.300	0.000	0.621	-
v	column	6.000	1.200	0.600	0.600	0.000	-	2.592
<b>Total Quantity</b>					<b>20.475 cum (cum)</b>		<b>20.475 Cum (Cubic Meter)</b>	
<b>Amount</b>					<b>20.475 X 240.77592</b>		<b>4929.89</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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	6.000	1.200	1.200	0.150	0.000	1.296	-
ii	L/W	2.000	8.330	0.600	0.150	0.000	1.499	-
iii	S/W	3.000	5.630	0.600	0.150	0.000	1.520	-
iv	room	1.000	7.330	5.830	0.400	0.000	17.094	-
v	step	1.000	2.300	0.900	0.100	0.000	0.207	-

vi	Column	6.000	1.200	0.600	0.150	0.000	-	0.648
Total Quantity					20.96806 cum (cum)		20.96806 Cum (Cubic Meter)	
Amount					20.96806 X 662.159232		13884.19	
<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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	6.000	1.200	1.200	0.150	0.000	1.296	-
ii	L/W	2.000	8.330	0.600	0.150	0.000	1.499	-
iii	S/W	3.000	5.630	0.600	0.150	0.000	1.520	-
iv	room	1.000	7.330	5.830	0.100	0.000	4.273	-
v	Step	1.000	2.300	0.900	0.100	0.000	0.207	-
vi	Column	6.000	1.200	0.600	0.150	0.000	-	0.648
Total Quantity					8.14789 cum (cum)		8.14789 Cum (Cubic Meter)	
Amount					8.14789 X 5984.63064072		48762.11	
<b>4. Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth</b>								
Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm <sup>2</sup> with dimensional tolerance $\pm 8$ 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	L/W	2.000	8.130	0.400	0.300	0.000	1.951	-
ii	s/w	3.000	5.830	0.400	0.300	0.000	2.099	-
iii	2nd footing	2.000	8.130	0.400	0.300	0.000	1.951	-

iv		3.000	5.830	0.400	0.300	0.000	2.099	-	
v	Step	1.000	2.300	0.900	0.400	0.000	0.828	-	
vi		1.000	2.300	0.600	0.150	0.000	0.207	-	
vii		1.000	2.300	0.300	0.150	0.000	0.104	-	
viii	proj	2.000	8.130	0.075	0.300	0.000	0.366	-	
ix		2.000	6.630	0.075	0.300	0.000	0.298	-	
x	inside	2.000	7.330	0.075	0.300	0.000	0.330	-	
xi		4.000	5.830	0.075	0.300	0.000	0.525	-	
xii	column	6.000	0.400	0.400	0.600	0.000	-	0.576	
Total Quantity					10.18125 cum (cum)		10.18125 Cum (Cubic Meter)		
Amount					10.18125 X 5049.265295296		51407.83		
<b>5. R.C.C. Work (AR0404A) : 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)									
Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Column base	6.000	1.200	1.200	0.300	0.000	2.592	-	
ii		6.000	0.600	0.600	0.300	0.000	0.648	-	
iii		6.000	0.400	0.400	0.600	0.000	0.576	-	
iv	Plinth beam	2.000	7.960	0.230	0.300	0.000	1.098	-	
v		3.000	6.000	0.230	0.300	0.000	1.242	-	
vi	Lintel	2.000	7.960	0.230	0.300	0.000	1.098	-	
vii		2.000	6.000	0.230	0.300	0.000	0.828	-	

viii	beam	1.000	6.460	0.230	0.350	0.000	0.520	-	
ix	W/B	2.000	7.960	0.230	0.200	0.000	0.732	-	
x		2.000	6.000	0.230	0.200	0.000	0.552	-	
xi	Column	6.000	0.230	0.380	2.750	0.000	1.442	-	
xii	Chajja	1.000	7.360	0.450	0.065	0.000	0.215	-	
xiii		2.000	7.960	0.450	0.065	0.000	0.466	-	
xiv	Slab	1.000	8.260	6.760	0.125	0.000	6.980	-	
Total Quantity					18.99005 cum (cum)		18.99005 Cum (Cubic Meter)		
Amount					18.99005 X 6138.3937592744		116568.40		

**6. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i		19.000	0.000	0.000	0.000	0.000	19.000	-	
Total Quantity					19 Qntl (Quintal)		19 Qntl (Quintal)		
Amount					19 X 8679.3593712		164907.83		

**7. Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure**

Brickwork with Flyash Bricks of size (23cm x 11cm 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  $\pm 8$  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	L/W	2.000	7.960	0.230	2.750	0.000	10.069	-
ii	s/w	2.000	6.000	0.230	2.750	0.000	7.590	-

iii	grill	4.000	3.000	0.230	1.200	0.000	-	3.312
iv	d	1.000	2.150	0.230	2.100	0.000	-	1.038
v	grill	2.000	0.900	0.230	1.200	0.000	-	0.497
Total Quantity					12.81215 cum (cum)		12.81215 Cum (Cubic Meter)	
Amount					12.81215 X 5082.595295296		65118.97	

#### 8. Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside

12mm thick cement plster (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	outside	2.000	8.130	0.000	0.500	0.000	8.130	-
ii		2.000	6.630	0.000	0.500	0.000	6.630	-
iii	above plinth	2.000	7.960	0.000	3.200	0.000	50.944	-
iv		2.000	6.460	0.000	3.200	0.000	41.344	-
v	d	1.000	2.150	0.000	2.100	0.000	-	4.515
vi	grill	4.000	3.000	0.000	1.200	0.000	-	14.400
vii		2.000	0.900	0.000	1.200	0.000	-	2.160
Total Quantity					85.973 Sqm (Sqm)		85.973 Sqm (Square Meter)	
Amount					85.973 X 168.6504397744		14499.38	

#### 9. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.

16mm thick cement Plaster in CM (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
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i	Outside	2.000	6.000	0.000	3.200	0.000	38.400	-	
ii		2.000	7.500	0.000	3.200	0.000	48.000	-	
iii	door	1.000	2.150	0.000	2.100	0.000	-	4.515	
iv	grill	4.000	3.000	0.000	1.200	0.000	-	14.400	
v		2.000	0.900	0.000	1.200	0.000	-	2.160	
Total Quantity					65.325 Sqm (Sqm)		65.325 Sqm (Square Meter)		
Amount					65.325 X 242.661956024		15851.89		

**10. 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		24.000	0.600	0.000	0.300	0.000	4.320	-	
ii		24.000	0.400	0.000	0.600	0.000	5.760	-	
Total Quantity					10.08 Sqm (Sqm)		10.08 Sqm (Square Meter)		
Amount					10.08 X 216.23489289764		2179.65		

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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	outside	2.000	7.960	0.000	0.300	0.000	4.776	-
ii		2.000	6.460	0.000	0.300	0.000	3.876	-
iii	inside	2.000	6.000	0.000	0.300	0.000	3.600	-
iv		2.000	7.500	0.000	0.300	0.000	4.500	-

Total Quantity	16.752 Sqm (Sqm)	16.752 Sqm (Square Meter)
Amount	16.752 X 499.15267251462	8361.81

**12. 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	Column	12.000	0.230	0.000	2.750	0.000	7.590	-
ii		12.000	0.380	0.000	2.750	0.000	12.540	-
iii	W/B	2.000	7.960	0.000	0.200	0.000	3.184	-
iv		2.000	6.460	0.000	0.200	0.000	2.584	-
v	inside	2.000	6.000	0.000	0.200	0.000	2.400	-
vi		2.000	7.500	0.000	0.200	0.000	3.000	-
vii	beam	2.000	6.000	0.000	0.350	0.000	4.200	-
Total Quantity					35.498 Sqm (Sqm)		35.498 Sqm (Square Meter)	
Amount					35.498 X 1047.3822930467		37179.98	

**13. R.C.C. Work (AR0410a) : Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas**

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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	8.260	6.760	0.000	0.000	55.838	-
ii		2.000	8.260	0.000	0.125	0.000	2.065	-
iii		2.000	6.760	0.000	0.125	0.000	1.690	-

iv	chajja	1.000	7.360	0.450	0.000	0.000	3.312	-
v		2.000	7.960	0.450	0.000	0.000	7.164	-
vi		1.000	7.360	0.000	0.065	0.000	0.478	-
vii		2.000	7.960	0.000	0.065	0.000	1.035	-
Total Quantity					71.5818 Sqm (Sqm)		71.5818 Sqm (Square Meter)	
Amount					71.5818 X 662.689943368		47436.54	

#### 14. Other Building Items. (AR1901Ba) : Vitrified Tile 600mmx600mm Coloured /Printed

Supplying, fitting & fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	6.000	7.500	0.000	0.000	45.000	-
ii		1.000	2.300	0.900	0.000	0.000	2.070	-
Total Quantity					47.07 Sqm (Sqm)		47.07 Sqm (Square Meter)	
Amount					47.07 X 1051.2772890502		49483.62	

#### 15. Flooring (AR0817ab) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) in dados skirting and risers of steps on 12mm thick cement plaster (1:3)

Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) 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 Vitrified tiles including rubbing and polishing complete including cost of precast tiles.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		2.000	6.000	0.000	0.600	0.000	7.200	-
ii		2.000	7.500	0.000	0.600	0.000	9.000	-
iii		3.000	2.300	0.000	0.150	0.000	1.035	-

iv		1.000	2.150	0.000	0.600	0.000	-	1.290
Total Quantity					15.945 Sqm (Sqm)		15.945 Sqm (Square Meter)	
Amount					15.945 X 1572.019908247		25065.86	
<b>16. Other Building Items. (AR1902) : cement based wall putty (water based)</b>								
Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,etc.complete. and as per the direction of Engineer in Charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	inside	110.320	0.000	0.000	0.000	0.000	110.320	-
Total Quantity					110.32 Sqm (Sqm)		110.32 Sqm (Square Meter)	
Amount					110.32 X 79.21834		8739.37	
<b>17. Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer</b>								
Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	outside	85.960	0.000	0.000	0.000	0.000	85.960	-
Total Quantity					85.96 Sqm (Sqm)		85.96 Sqm (Square Meter)	
Amount					85.96 X 160.74632751492		13817.75	
<b>18. Painting (AR0920b) : Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat waterbound Primer on new work (Inside)</b>								
Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat waterbound Primer on new work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	inside	110.320	0.000	0.000	0.000	0.000	110.320	-
Total Quantity					110.32 Sqm (Sqm)		110.32 Sqm (Square Meter)	

<b>Amount</b>					<b>110.32 X 166.61523623821</b>	<b>18380.99</b>		
<b>19. Iron Work (AR1704) : Iron Doors and windows fixing</b>								
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	D	1.000	2.150	2.100	15.000	0.000	67.725	-
ii	grill	4.000	3.000	1.200	15.000	0.000	216.000	-
Total Quantity					283.725 Kg (Kilo Gram)		2.83725 Qntl (Quintal)	
<b>Amount</b>					<b>2.83725 X 16010.220251087</b>	<b>45425.00</b>		
<b>20. Painting (AR0903b) : Painting two coats of enamel paint with a coat of red oxide primer over iron surface</b>								
Painting two coats of enamel paint with a coat of red oxide primer over iron surface including all costs of labour, Paint, Primer, brushes and putty 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	D	1.000	2.150	2.100	0.500	0.000	2.258	-
ii	grill	4.000	3.000	1.200	0.500	0.000	7.200	-
iii		2.000	0.900	1.200	0.500	0.000	1.080	-
Total Quantity					10.5375 Sqm (Sqm)		10.5375 Sqm (Square Meter)	
<b>Amount</b>					<b>10.5375 X 230.30528032053</b>	<b>2426.84</b>		
<b>21. Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips</b>								
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 specifaion and direction of Engineer-in charge. (new work)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	8.260	6.760	0.000	0.000	55.838	-

Total Quantity	55.8376 Sqm (Sqm)	55.8376 Sqm (Square Meter)
Amount	55.8376 X 358.0521573044	19992.77
<b>Total Amount</b>		<b>774420.68</b>
<b>Addition</b>		
Provision for PH Work (+) @		
Provision for EI Work (+) @		4579.00
Provision for Contingency (+) @		8000.00
Display Citizen Board (+) @		5000.00
Any Other Lumpsum (+) @		8000.00
Provision for survey investigation and quality control (+) @		
<b>Total Addition</b>		<b>25579.00</b>
<b>Grand Net Total Amount</b>		<b>799999.68</b>

**JAYA KUMAR KISAN**  
**JE**  
**Subdega Block**

**BINAY BHUSHAN DASH**  
**AEE**  
**Subdega Block**

**BDO Subdega**  
**BDO**  
**Subdega Block**