

## Detailed Estimate

**OD/355/3387/118081/398066/00071180 : DEVELOPMENT OF HAZIPUR KALYANA MANDAP**

**Block : Biridi, Gram Panchayat : Hajipur**

**Created By:BINAPANI BEHERA**

<b>1. Earth Work (AR0101aa) : Earthwork in ordinary soil in foundation and plinth within 50m, initial lead and 1.5m, initial lift</b>								
Earthwork in ordinary soil in foundation and 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 direction of the Engineer-in-charge per 100 cum								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Store room column	3.000	0.900	0.900	0.900	1.000	2.187	-
ii	Store room Long wall	1.000	5.350	0.500	0.500	1.000	1.338	-
iii	Short wall	2.000	3.300	0.500	0.500	1.000	1.650	-
iv	Front pindi wall	1.000	12.000	0.450	0.450	1.000	2.430	-
v	Approach road cut off wall	1.000	10.000	0.150	0.150	1.000	0.225	-
vi	Approach road cut off wall	1.000	18.000	0.150	0.150	1.000	0.405	-
vii	Deduction	3.000	0.900	0.500	0.500	0.000	-	0.675
<b>Total Quantity</b>					<b>7.5595 cum (cum)</b>		<b>7.5595 Cum (Cubic Meter)</b>	
<b>Amount</b>					<b>7.5595 X 179.18208</b>		<b>1354.53</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	Store room column	3.000	0.900	0.900	0.150	1.000	0.365	-

ii	Store room Long wall	1.000	5.350	0.500	0.150	1.000	0.401	-	
iii	Short wall	2.000	3.300	0.500	0.150	1.000	0.495	-	
iv	Front pindi wall	1.000	12.000	0.450	0.100	1.000	0.540	-	
v	Approach road cut off wall	1.000	10.000	0.150	0.076	1.000	0.114	-	
vi	Approach road cut off wall	1.000	18.000	0.150	0.076	1.000	0.205	-	
vii	Inside store room	1.000	4.870	3.050	0.600	0.000	8.912	-	
viii	Front pindi inside	1.000	6.500	4.750	0.300	0.000	9.263	-	
ix	Approach road inside base	1.000	18.000	5.500	0.076	0.000	7.524	-	
x	Approach road inside base	1.000	10.000	4.500	0.076	0.000	3.420	-	
xi	Deduct column	3.000	0.900	0.500	0.150	0.000	-	0.203	
Total Quantity					31.03605 cum (cum)		31.03605 Cum (Cubic Meter)		
Amount					31.03605 X 609.800832		18925.81		

### 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Store room column	3.000	0.900	0.900	0.100	1.000	0.243	-
ii	Store room Long wall	1.000	5.350	0.500	0.100	1.000	0.268	-
iii	Short wall	2.000	3.300	0.500	0.100	1.000	0.330	-
iv	Front pindi wall	1.000	12.000	0.450	0.100	1.000	0.540	-

v	Approach road cut off wall	1.000	10.000	0.150	0.074	1.000	0.111	-
vi	Approach road cut off wall	1.000	18.000	0.150	0.074	1.000	0.200	-
vii	Inside store room	1.000	4.870	3.050	0.070	0.000	1.040	-
viii	Front pindi inside	1.000	6.500	4.750	0.076	0.000	2.347	-
ix	Approach road inside base	1.000	18.000	5.500	0.076	0.000	7.524	-
x	Approach road inside base	1.000	10.000	4.500	0.076	0.000	3.420	-
xi	Deduct column	3.000	0.900	0.500	0.150	0.000	-	0.203
Total Quantity					15.819045 cum (cum)		15.819045 Cum (Cubic Meter)	
Amount					15.819045 X 6256.86761228		98977.67	
<b>4. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum</b>								
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 specificaion and direction of Engineer-in charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Front pindi inside	1.000	7.000	5.000	0.070	0.000	2.450	-
ii	Approach road inside base	1.000	18.000	5.500	0.070	0.000	6.930	-
iii	Approach road inside base	1.000	10.000	4.500	0.070	0.000	3.150	-
Total Quantity					12.53 cum (cum)		12.53 Cum (Cubic Meter)	
Amount					12.53 X 7735.87192736		96930.48	
<b>5. Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</b>								

Brickwork with Flyash Bricks of size (25cm x 12cm 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Store room footing	1.000	4.880	0.500	0.450	1.000	1.098	-
ii	Store room footing	2.000	3.050	0.500	0.450	1.000	1.373	-
iii	Store room footing	1.000	4.880	0.380	0.350	1.000	0.649	-
iv	Store room footing	2.000	3.050	0.380	0.350	1.000	0.811	-
Total Quantity					3.93084 cum (cum)		3.93084 Cum (Cubic Meter)	
Amount					3.93084 X 5006.554517104		19679.96	

**6. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure**

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  $\pm 8$  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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Store room S/S wall	1.000	4.880	0.250	3.100	1.000	3.782	-
ii	Store room S/S wall	2.000	3.050	0.250	3.100	1.000	4.728	-
iii	Front pindi wall	1.000	12.000	0.250	0.300	1.000	0.900	-
iv	Deduct opening	1.000	0.450	0.250	0.450	1.000	-	0.051
v	Openings	1.000	1.100	0.250	2.100	1.000	-	0.578
vi	Openings	1.000	1.200	0.250	1.200	1.000	-	0.360

Total Quantity	8.421375 cum (cum)	8.421375 Cum (Cubic Meter)
Amount	8.421375 X 5039.884517104	42442.76

**7. R.C.C. Work (AR0404Aa) : 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 foundation, footing bases of column, mass concrete, pre-cast slabs etc.)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column footingsfootings	3.000	0.900	0.900	0.300	1.000	0.729	-
ii	Column footings	3.000	0.750	0.750	0.150	1.000	0.253	-
Total Quantity					0.982125 cum (cum)		0.982125 Cum (Cubic Meter)	
Amount					0.982125 X 6786.0748676821		6664.77	

**8. 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 store room	1.000	4.880	0.250	0.250	1.000	0.305	-
ii	Plinth beam store room	2.000	3.050	0.250	0.250	1.000	0.381	-
Total Quantity					0.68625 cum (cum)		0.68625 Cum (Cubic Meter)	
Amount					0.68625 X 7542.8969928238		5176.31	

**9. R.C.C. Work (AR0404Ac) : 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 Beams, Column, Girder & Bressmer etc)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	3.000	0.250	0.250	4.100	1.000	0.769	-
ii	Wall beam	1.000	4.880	0.250	0.200	1.000	0.244	-
iii	Wall beam	2.000	3.050	0.250	0.200	1.000	0.305	-
Total Quantity					1.31775 cum (cum)		1.31775 Cum (Cubic Meter)	
Amount					1.31775 X 14841.828255002		19557.82	

**10. 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 beam	1.000	4.880	0.250	0.150	1.000	0.183	-
ii	Lintel beam	2.000	3.050	0.250	0.150	1.000	0.229	-
Total Quantity					0.41175 cum (cum)		0.41175 Cum (Cubic Meter)	
Amount					0.41175 X 13450.359096213		5538.19	

**11. 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
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i	Chajja	1.000	1.230	0.450	0.075	1.000	0.042	-
ii	RCC Slab	1.000	6.200	3.350	0.100	1.000	2.077	-
Total Quantity					2.1185125 cum (cum)		2.1185125 Cum (Cubic Meter)	
Amount					2.1185125 X 13087.959272072		27727.01	
<b>12. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Reinforcement	1.000	5.000	1.000	1.000	1.000	5.000	-
Total Quantity					5 Qntl (Quintal)		5 Qntl (Quintal)	
Amount					5 X 8421.1581636		42105.79	
<b>13. 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	Store room floor	1.000	4.850	3.000	1.000	1.000	14.550	-
Total Quantity					14.55 Sqm (Sqm)		14.55 Sqm (Square Meter)	
Amount					14.55 X 383.9242729856		5586.10	
Total Amount							390667.19	
<b>Addition</b>								
Provision for PH Work (+) @								
Provision for EI Work (+) @								

Provision for Contingency (+) @	3906.67
Display Citizen Board (+) @	1519.00
Any Other Lumpsum (+) @	3906.67
Provision for survey investigation and quality control (+) @	
<b>Total Addition</b>	<b>9332.34</b>
<b>Grand Net Total Amount</b>	<b>399999.53</b>

**BINAPANI BEHERA**  
**JE**  
**Biridi Block**

**PRIYANKA RAY**  
**AEE**  
**Biridi Block**

**AYUSHI PATI**  
**BDO**  
**Biridi Block**