

## Detailed Estimate

**OD/354/3382/275074/412615/00073144 : IMPROVEMENT AND UPGRADATION OF AWC JAGANATH BIHAR AT MANDIAPALLI**

**Block : Rangeilunda, Gram Panchayat : Rangeilunda**

**Created By:SUJIT KUMAR SETHI**

<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	Cut off Wall	1.000	30.000	0.500	0.330	0.000	4.950	-
ii		1.000	10.000	0.500	0.330	0.000	1.650	-
iii		1.000	13.000	0.500	0.330	0.000	2.145	-
iv		1.000	15.000	0.500	0.330	0.000	2.475	-
v		1.000	60.000	0.500	0.330	0.000	9.900	-
<b>Total Quantity</b>					<b>21.12 Cft (Cubic Foot)</b>		<b>0.598050816 Cum (Cubic Meter)</b>	
<b>Amount</b>					<b>0.598050816 X 240.77592</b>		<b>144.00</b>	
<b>2. Earth Work (AR0115a) : Filling foundation and plinth with crusher dust well watered and rammed</b>								
Filling foundation and plinth with crusher dust 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	Base filling	1.000	30.000	3.500	0.330	0.000	34.650	-
ii		1.000	64.000	24.000	0.330	0.000	506.880	-
iii		1.000	27.000	13.000	0.330	0.000	115.830	-
iv		1.000	10.000	13.000	0.330	0.000	42.900	-

v		1.000	30.000	9.000	0.330	0.000	89.100	-
Total Quantity					789.36 Cft (Cubic Foot)		22.352149248 Cum (Cubic Meter)	
Amount					22.352149248 X 725.132732		16208.28	
<b>3. 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	Cut off Wall	1.000	30.000	0.500	0.910	0.000	13.650	-
ii		1.000	10.000	0.500	0.910	0.000	4.550	-
iii		1.000	13.000	0.500	0.910	0.000	5.915	-
iv		1.000	15.000	0.500	0.910	0.000	6.825	-
v		1.000	60.000	0.500	0.910	0.000	27.300	-
Total Quantity					58.24 Cft (Cubic Foot)		1.649170432 Cum (Cubic Meter)	
Amount					1.649170432 X 7369.54757154		12153.64	
<b>4. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc</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. 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	30.000	0.000	0.580	0.000	34.800	-
ii		2.000	10.000	0.000	0.580	0.000	11.600	-
iii		2.000	13.000	0.000	0.580	0.000	15.080	-
iv		2.000	15.000	0.000	0.580	0.000	17.400	-

v		2.000	60.000	0.000	0.580	0.000	69.600	-
Total Quantity					148.48 Sft (Square Foot)		13.79423744 Sqm (Square Meter)	
Amount					13.79423744 X 216.39264180804		2984.97	
<b>5. miscellaneous (ARM287) : Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC</b>								
Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Paver laying	1.000	30.000	3.500	0.000	0.000	105.000	-
ii		1.000	64.000	24.000	0.000	0.000	1536.000	-
iii		1.000	27.000	13.000	0.000	0.000	351.000	-
iv		1.000	10.000	13.000	0.000	0.000	130.000	-
v		1.000	30.000	9.000	0.000	0.000	270.000	-
Total Quantity					2392 Sft (Square Foot)		222.223976 Sqm (Square Meter)	
Amount					222.223976 X 653.5116		145225.95	
<b>Total Amount</b>							<b>176716.83</b>	
<b>Addition</b>								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @								
Display Citizen Board (+) @							1000.00	
Any Other Lumpsum (+) @							24203.00	

Provision for survey investigation and quality control (+) @	
<b>Total Addition</b>	<b>25203.00</b>
<b>Grand Net Total Amount</b>	<b>201919.83</b>

**SUJIT KUMAR SETHI**  
**JE**  
**Rangeilunda Block**

**SRI NABIN BHUYAN**  
**AEE**  
**Rangeilunda Block**

**BISWAJIT RAY**  
**BDO**  
**Rangeilunda Block**