

Detailed Estimate

OD/356/3403/118514/400420/00065259 : DEVELOPMENT AND BEAUTIFICATION OF RURAL PARK WITH INTERNAL WIRING AND LIGHTING IN FRONT OF RGSY OF PANCHAYAT SAMITI

Block : Sukinda, Gram Panchayat : Sukindagarh

Created By:Ratnakar Sahoo

1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift								
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	Wall	1.000	33.700	0.600	0.500	0.000	10.110	-
ii	do	1.000	3.700	0.600	0.500	0.000	1.110	-
iii	do	1.000	6.200	0.600	0.500	0.000	1.860	-
iv	do	2.000	22.500	0.600	0.500	0.000	13.500	-
v	do	2.000	24.600	0.600	0.500	0.000	14.760	-
vi	do	1.000	10.450	0.600	0.500	0.000	3.135	-
vii	do	1.000	7.500	0.600	0.500	0.000	2.250	-
viii	do	1.000	2.200	0.600	0.500	0.000	0.660	-
ix	do	1.000	3.000	0.600	0.500	0.000	0.900	-
x	do	1.000	2.000	0.600	0.500	0.000	0.600	-
xi	do	1.000	2.000	0.600	0.500	0.000	0.600	-
xii	do	1.000	9.900	0.600	0.500	0.000	2.970	-
xiii	do	1.000	0.600	0.600	0.500	0.000	0.180	-
xiv	do	1.000	14.200	0.600	0.500	0.000	4.260	-
xv	do	1.000	14.200	0.600	0.500	0.000	4.260	-
xvi	do	1.000	14.800	0.600	0.500	0.000	4.440	-
xvii	do	1.000	9.900	0.600	0.500	0.000	2.970	-

Total Quantity	68.565 cum (cum)	68.565 Cum (Cubic Meter)
Amount	68.565 X 240.77592	16508.80

2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed

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	1.000	33.700	0.600	0.150	0.000	3.033	-
ii	wall	1.000	3.700	0.600	0.150	0.000	0.333	-
iii	do	1.000	6.200	0.600	0.150	0.000	0.558	-
iv	do	2.000	22.500	0.600	0.150	0.000	4.050	-
v	do	2.000	24.600	0.600	0.150	0.000	4.428	-
vi	do	1.000	10.450	0.600	0.150	0.000	0.941	-
vii	do	1.000	7.500	0.600	0.150	0.000	0.675	-
viii	do	1.000	2.200	0.600	0.150	0.000	0.198	-
ix	do	1.000	3.000	0.600	0.150	0.000	0.270	-
x	do	1.000	2.000	0.600	0.150	0.000	0.180	-
xi	do	1.000	2.000	0.600	0.150	0.000	0.180	-
xii	do	1.000	9.900	0.600	0.150	0.000	0.891	-
xiii	do	1.000	9.900	0.600	0.150	0.000	0.891	-
xiv	do	1.000	0.600	0.600	0.150	0.000	0.054	-
xv	do	1.000	14.200	0.600	0.150	0.000	1.278	-
xvi	do	1.000	14.200	0.600	0.150	0.000	1.278	-
xvii	do	1.000	14.800	0.600	0.150	0.000	1.332	-
xviii	do	1.000	1.600	5.300	0.100	0.000	0.848	-
xix	do	1.000	2.700	9.200	0.100	0.000	2.484	-

xx	do	1.000	7.000	17.700	0.100	0.000	12.390	-
xxi	do	1.000	2.500	2.500	0.100	0.000	-	0.625
xxii	do	1.000	20.800	4.100	0.100	0.000	8.528	-
xxiii	do	1.000	9.700	3.500	0.100	0.000	3.395	-
Total Quantity					47.5895 cum (cum)		47.5895 Cum (Cubic Meter)	
Amount					47.5895 X 1054.301832		50173.70	

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	do	1.000	33.700	0.600	0.100	0.000	2.022	-
ii	Do	1.000	3.700	0.600	0.100	0.000	0.222	-
iii	Do	1.000	6.200	0.600	0.100	0.000	0.372	-
iv	Do	2.000	22.500	0.600	0.100	0.000	2.700	-
v	do	2.000	24.600	0.600	0.100	0.000	2.952	-
vi	do	1.000	10.450	0.600	0.100	0.000	0.627	-
vii	do	1.000	7.500	0.600	0.100	0.000	0.450	-
viii	do	1.000	2.200	0.600	0.100	0.000	0.132	-
ix	do	1.000	3.000	0.600	0.100	0.000	0.180	-
x	do	1.000	2.000	0.600	0.100	0.000	0.120	-
xi	do	1.000	2.000	0.600	0.100	0.000	0.120	-
xii	do	1.000	9.900	0.600	0.100	0.000	0.594	-
xiii	do	1.000	9.900	0.600	0.100	0.000	0.594	-
xiv	do	1.000	0.600	0.600	0.100	0.000	0.036	-
xv	do	1.000	14.200	0.600	0.100	0.000	0.852	-

xvi	do	1.000	14.800	0.600	0.100	0.000	0.888	-	
xvii	do	1.000	1.600	5.300	0.100	0.000	0.848	-	
xviii	do	1.000	2.700	9.200	0.100	0.000	2.484	-	
xix	do	1.000	7.000	17.700	0.100	0.000	12.390	-	
xx	do	1.000	2.500	2.500	0.100	0.000	-	0.625	
xxi	do	1.000	4.100	20.800	0.100	0.000	8.528	-	
xxii	do	1.000	9.700	3.500	0.100	0.000	3.395	-	
Total Quantity					39.881 cum (cum)		39.881 Cum (Cubic Meter)		
Amount					39.881 X 5971.67546566		238156.39		

4. Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth

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/cm² 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	1.000	33.700	0.375	0.150	0.000	1.896	-
ii	do	1.000	3.700	0.375	0.150	0.000	0.208	-
iii	do	1.000	6.200	0.375	0.150	0.000	0.349	-
iv	do	2.000	22.500	0.375	0.150	0.000	2.531	-
v	do	2.000	24.600	0.375	0.150	0.000	2.768	-
vi	do	1.000	10.450	0.375	0.150	0.000	0.588	-
vii	do	1.000	7.500	0.375	0.150	0.000	0.422	-
viii	do	1.000	2.200	0.375	0.150	0.000	0.124	-
ix	do	1.000	3.000	0.375	0.150	0.000	0.169	-
x	do	1.000	2.000	0.375	0.150	0.000	0.113	-
xi	do	1.000	2.000	0.375	0.150	0.000	0.113	-

xii	do	1.000	9.900	0.375	0.150	0.000	0.557	-
xiii	do	1.000	9.900	0.375	0.150	0.000	0.557	-
xiv	do	1.000	0.600	0.375	0.150	0.000	0.034	-
xv	do	1.000	14.200	0.375	0.150	0.000	0.799	-
xvi	do	1.000	14.200	0.375	0.150	0.000	0.799	-
xvii	do	1.000	14.800	0.375	0.150	0.000	0.833	-
xviii	do	1.000	33.700	0.250	0.650	0.000	5.476	-
xix	do	1.000	3.700	0.250	0.650	0.000	0.601	-
xx	do	1.000	6.200	0.250	0.650	0.000	1.008	-
xxi	do	2.000	22.500	0.250	0.650	0.000	7.313	-
xxii	do	2.000	24.600	0.250	0.650	0.000	7.995	-
xxiii	do	1.000	10.450	0.250	0.650	0.000	1.698	-
xxiv	do	1.000	7.500	0.250	0.650	0.000	1.219	-
xxv	do	1.000	2.200	0.250	0.650	0.000	0.358	-
xxvi	do	1.000	3.000	0.250	0.650	0.000	0.488	-
xxvii	do	1.000	2.000	0.250	0.650	0.000	0.325	-
xxviii	do	1.000	2.000	0.250	0.650	0.000	0.325	-
xxix	do	1.000	9.900	0.250	0.650	0.000	1.609	-
xxx	do	1.000	9.900	0.250	0.650	0.000	1.609	-
xxxi	do	1.000	0.600	0.250	0.650	0.000	0.098	-
xxxii	do	1.000	14.200	0.250	0.650	0.000	2.308	-
xxxiii	do	1.000	14.200	0.250	0.650	0.000	2.308	-
xxxiv	do	1.000	14.800	0.250	0.650	0.000	2.405	-
Total Quantity					49.9953125 cum (cum)		49.9953125 Cum (Cubic Meter)	

Amount							49.9953125 X 5010.143328288	250483.68
5. 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 ² 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	1.000	10.000	0.250	0.650	0.000	1.625	-
Total Quantity					1.625 cum (cum)		1.625 Cum (Cubic Meter)	
Amount							1.625 X 5043.473328288	8195.64
6. 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								
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	pavement	1.000	1.600	5.300	0.000	0.000	8.480	-
ii	do	1.000	2.700	9.200	0.000	0.000	24.840	-
iii	do	1.000	7.000	17.700	0.000	0.000	123.900	-
iv	do	1.000	2.500	2.500	0.000	0.000	-	6.250
v	do	1.000	4.100	20.800	0.000	0.000	85.280	-
vi	do	1.000	9.700	3.500	0.000	0.000	33.950	-
Total Quantity					270.2 Sqm (Sqm)		270.2 Sqm (Square Meter)	
Amount							270.2 X 638.0028	172388.36
7. Earth Work (AR0122Bii) : Earthwork in hard soil or gravelly soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift								
Earthwork in hard soil or gravelly 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	Inside	1.000	33.700	0.600	0.650	0.000	13.143	-
ii	do	1.000	22.500	0.600	0.650	0.000	8.775	-
iii	do	1.000	22.500	0.600	0.650	0.000	8.775	-
iv	do	1.000	24.600	0.600	0.650	0.000	9.594	-
v	do	1.000	9.900	0.600	0.650	0.000	3.861	-
vi	do	1.000	22.500	3.500	0.600	0.000	47.250	-
vii	do	1.000	24.600	7.500	0.550	0.000	101.475	-
Total Quantity					192.873 cum (cum)		192.873 Cum (Cubic Meter)	
Amount					192.873 X 361.33930892		69692.60	

8. 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	wall	2.000	22.500	0.000	0.650	0.000	29.250	-
ii	top	2.000	22.500	0.000	0.250	0.000	11.250	-
iii	wall	2.000	24.600	0.000	0.650	0.000	31.980	-
iv	top	2.000	24.600	0.000	0.250	0.000	12.300	-
v	wall	2.000	9.900	0.000	0.650	0.000	12.870	-
vi	top	2.000	9.900	0.000	0.250	0.000	4.950	-
vii	wall	1.000	10.000	0.000	0.850	0.000	8.500	-
viii	do	1.000	8.000	0.000	0.850	0.000	6.800	-
ix	top	2.000	2.500	0.000	0.250	0.000	1.250	-
x	do	2.000	2.000	0.000	0.250	0.000	1.000	-

xi	do	2.000	10.000	0.000	0.600	0.000	12.000	-
xii	do	1.000	10.000	0.000	0.250	0.000	2.500	-
xiii		0.000	0.000	0.000	0.000	0.000	1.000	-
Total Quantity					135.65 Sqm (Sqm)		135.65 Sqm (Square Meter)	
Amount					135.65 X 174.5871267332		23682.74	

Total Amount (A) : 829281.91

Additional Components			
#	Item Name	Remark	Amount (in Rs.)
1	Provision for EI Work @ Rs.50000	-	50000
2	Provision for Contingency @ 1%	-	8292.8190959145
3	Display Citizen Board @ Rs.2000	-	2000
4	Any Other Lumpsum @ Rs.110425	Painting and lawn grass and Design plant	110425
Additional Components Amount (F) : 170717.81909591			

Grand Total Amount (A + F) : 999999.72868737

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