

ESTIMATION DPR							
State	Odisha	District	Mayurbhanj	Block	Baripada	Panchayat	Bankisole
Work Code	OD/365/3490/120098/389168/00014276 (CONSTRUCTION OF BOUNDARY WALL AT BANKISOLE UP SCHOOL UNDER BANKISOLE G.P)						
Project Category	Other Infrastructure						
Financial Year	2024-25		Execution Level		Bankisole, G.P		
Executing Agency	Panchayat Samiti, Baripada		Proposal Date		-		
Date of Commencement	-		Date of Completion				
Scheme Name	SFC Devolution of Fund		Scheme Component Name		5TH SFC DEVOLUTION GRANT TO PANCHAYAT SAMITI		
Project Sub-Category	Boundary Wall		Project Type		New Work		
Name of Executant							

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	202038

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p style="text-align: center;">Earth Work (AR0102a) : Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil 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</p>	Cum	18.122752	196.3036	3557.5614595072
2	<p style="text-align: center;">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.</p>	Cum	2.265344	1228.056172	2781.9696809032

3	<p>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.</p>	Cum	2.265344	5920.59946872	13412.194482868
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4	<p style="text-align: center;">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 -</p> <p>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.</p>	Qntl	7.317	7903.0956114	57826.950588614
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5	<p style="text-align: center;">R.C.C.</p> <p>Work (AR0404Aa) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips -</p> <p>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 centering and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)</p>	Cum	8.1361316392	6307.0776514265	51315.214030662
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6	<p style="text-align: center;">Masonry Brick Work (AR0603bi) :</p> <p>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/cm² 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.</p>	Cum	7.2107032192	5106.437920896	36821.00835485
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7	<p>Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside.</p> <p>- 12mm thick cement plaster (1:6) over Brick work in outside 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.</p>	Sqm	39.483775	171.4690407144	6770.2450230332
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8	<p>Plastering (AR1014i) : 16mm thick cement Plaster in CM (1:6) over brick work in outside (outside) - 16mm thick cement Plaster in CM (1:6) over brick work in outside 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.</p>	Sqm	46.03808165	245.152030224	11286.329184116
9	<p>Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer - 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)</p>	Sqm	85.4428891	158.45040549817	13538.46042483
Total Amount (in Rs.): 197309.93322938					

LABOUR STATEMENT

Sl.No.	Activity Name	Quantity (A)	Unit	Un-Skilled		Skilled		Highly-Skilled		Semi-Skilled	
				RS.452/-		RS.552/-		RS.602/-		RS.502/-	
				Qty/Unit (B)	Total Qty (A*B)	Qty/Unit (B)	Total Qty (A*B)	Qty/Unit (B)	Total Qty (A*B)	Qty/Unit (B)	Total Qty (A*B)

1	<p>Earth Work (AR01 02a) : Earth work in hard soil or gravell y soil within 50m. Initial lead and 1.5m initial lift -</p> <p>Earth work in hard soil or gravell y soil within 50m. Initial lead and 1.5m initial lift includi ng rough dressin g and breakin g clods to maxim um 5cm to 7cm and laying in layers not exceedi ng 0.3m in depth and as per the directio n of the Engine er-in-charge</p>	18.122 752	Cubic Meter	0.43	7.7927 8336	-	-	-	-	-	-
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2	Earth Work (AR01 15) : 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.	2.2653 44	Cubic Meter	0.1236	0.2799 965184	-	-	-	-	-	-
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3	<p>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</p>	2.265344	Cubic Meter	3.9	8.8348416	-	-	0.18	0.40776192	-	-
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4	R.C.C. Work (AR04 09) : 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	7.317	Quintal	0.8	5.8536	0.044	0.3219 48	-	-	0.3	2.1951
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5	R.C.C. Work (AR04 04Aa) : 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	8.1361 316392	Cubic Meter	1.3333	10.847 904314 545	0.1323	1.0764 102158 662	0.175	1.4238 230368 6	-	-
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6	Masonry Brick Work (AR06 03bi) : 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 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	7.2107 032192	Cubic Meter	2.82	20.334 183078 144	-	-	1.05	7.5712 383801 6	0.35	2.5237 461267 2
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7	Plastering (AR10 04i) : 12mm thick cement plaster (1:6) over Brick work in outside . - 12mm thick cement plaster (1:6) over Brick work in outside 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.a nd as per directio n of Engine er-in-	39.483 775	Square Meter	0.12	4.7380 53	-	-	0.14	5.5277 285	-	-
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8	Plastering (AR10 14i) : 16mm thick cement Plaster in CM (1:6) over brick work in outside (outside) - 16mm thick cement Plaster in CM (1:6) over brick work in outside 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	46.038 08165	Square Meter	0.24	11.049 139596	-	-	0.16	7.3660 93064	-	-
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9	Painting (AR09 18cb) : Finishing wall two coats with weather coat with one coat waterbound Primer - 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)	85.442 8891	Square Meter	0.1177 634408 6022	10.062 048617 454	-	-	-	-	0.1077 634408 6022	9.2076 197264 538
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Total Qty	79.792550084543	22.29664490102	13.926465853174	1.3983582158662
Rate Per Man Day	452	552	602	502
Total Amount	36066.232638213	12307.747985363	8383.7324436106	701.97582436481
Total Labour Amount (in Rs.): 57459.688891552				

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Earth Work (AR0102a) :.Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil 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	-	18.122752	Cum
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.	-	2.265344	Cum
i)	BRM029 : Sand for filling and road blinding	1	2.265344	1 Cum

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.	-	2.265344	Cum
i)	BRM340 : Cement	2.29	5.18763776	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	1.08736512	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	2.17473024	1 Cum.

4	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.	-	7.317	Qntl
i)	BRM162 : Binding Wire.	0.8	5.8536	1 Kg.
ii)	BRM341 : Steel	1.05	7.68285	1 Qntl.

5	<p>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 centering and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)</p>	-	8.1361316392	Cum
i)	BRM340 : Cement	3.4733	28.259226022433	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.66125923764	1 Cum
iii)	BRM060 : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	2.929007390112	1 Cum.

iv)	BRM052 : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	4.393511085168	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.032585207214996	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.189	1.5377288798088	1Mtr.
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 ² 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.	-	7.2107032192	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	7.2107032192	1 Cum
ii)	BRM340 : Cement	0.672	4.8455925633024	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	2.018996901376	1 Cum

iv)	BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance $\pm 2\%$	350	2523.74612672	1000 Nos
7	Plastering (AR1004i) :12mm thick cement plaster (1:6) over Brick work in outside. - 12mm thick cement plaster (1:6) over Brick work in outside 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.	-	39.483775	Sqm
i)	BRM340 : Cement	0.0358	1.413519145	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.592256625	1 Cum
8	Plastering (AR1014i) :16mm thick cement Plaster in CM (1:6) over brick work in outside (outside) - 16mm thick cement Plaster in CM (1:6) over brick work in outside 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.	-	46.03808165	Sqm
i)	BRM340 : Cement	0.043	1.97963751095	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.8286854697	1 Cum
9	Painting(AR0918cb) :Finishing wall two coats with weather coat with one coat waterbound Primer - 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)	-	85.4428891	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	10.6803611375	1 Ltr
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	7.7174222412903	1 Ltr

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	2.265344	1 Cum	557.78	1263.56357632
2	BRM340	41.685613001686	1 Qntl.	459.642	19160.458531321
3	BRM028	8.188563353716	1 Cum	564.2	4619.9874441666
4	BRM044	2.17473024	1 Cum.	1648.84	3585.7822089216
5	BRM162	5.8536	1 Kg.	90	526.824
6	BRM341	7.68285	1 Qntl.	5806.592	44611.1753472
7	BRM060	2.929007390112	1 Cum.	2033.59	5956.4001384579
8	BRM052	4.393511085168	1 Cum.	2035.88	8944.6613480718
9	BRM104	0.0325852072149 96	1Cum.	58620.646	1910.1658969869
10	BRM092	1.5377288798088	1Mtr.	276.666	425.43729826118
11	BRMMR0025	7.2107032192	1 Cum	33	237.9532062336
12	BRM005	2523.74612672	1000 Nos	6.36475	16063.013160041
13	BRM255	10.6803611375	1 Ltr	195.09732	2083.7098345584
14	BRM253	7.7174222412903	1 Ltr	159.33732	1229.6733772356

Total: 110618.80536778

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	2.265344	1 Cum	602.25	1364.303424
2	BRM028	8.188563353716	1 Cum	602.25	4931.5622797755
3	BRM044	2.17473024	1 Cum.	551.5	1199.36372736
4	BRM060	2.929007390112	1 Cum.	551.5	1615.3475756468
5	BRM052	4.393511085168	1 Cum.	551.5	2423.0213634702
6	BRM005	2523.74612672	1000 Nos	0.04025	101.58078160048
					Total: 11635.179151853

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 1973.0993322938
2	Display Citizen Board @ Rs. 2754.9	Rs. 2754.9
		Total Addition Component Amount (in Rs.): 4727.9993322938

Total Net Amount (in Rs.): 202037.93256168