

ESTIMATION DPR							
State	Odisha	District	Mayurbhanj	Block	Baripada	Panchayat	Khadisoile
Work Code	OD/365/3490/120104/390491/00014356 (CONSTRUCTION OF BOUNDARY WALL AT DUMAPADA GOVT ME SCHOOL UNDER KHADISOLE G.P)						
Project Category	Other Infrastructure						
Financial Year	2024-25		Execution Level		Khadisoile, 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 -</p> <p>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	16.885	196.3036	3314.586286
2	<p style="text-align: center;">Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</p> <p>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	1.765	1201.755772	2121.09893758

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	3.69	6101.84215072	22515.797536157
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4	<p style="text-align: center;">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.</p>	Cum	2.16	5355.955855496	11568.864647871
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5	<p style="text-align: center;">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/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.</p>	Cum	12.75	5389.285855496	68713.394657574
6	<p style="text-align: center;">R.C.C. Work (AR0407Aa) : Column base (including centering & shuttering) - Column base (including centring & shuttering)</p>	Cum	2	6964.4761774033	13928.952354807

7	<p>R.C.C. Work (AR0407Ab) : Plinth beam (including centering & shuttering) - Plinth beam (including centring & shuttering)</p>	Cum	2.125	7719.4196661042	16403.766790471
8	<p>R.C.C. Work (AR0407Ac) : Column & Beam (including centring & shuttering) - Column & Beam (including centring & shuttering)</p>	Cum	1.125	14927.730214129	16793.696490895
9	<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	61.2	248.078424424	15182.399574749

10	<p>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.</p>	Sqm	61.2	173.9069019544	10643.102399609
11	<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	122.4	158.48919230825	19399.07713853
Total Amount (in Rs.): 200584.73681424					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<p>Earth Work (AR0102a) : Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift -</p> <p>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>	16.885	196.3036	Cum
i	Un-Skilled	0.43	7.26055	-
2	<p>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</p> <p>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>	1.765	1201.755772	Cum
i	Un-Skilled	0.1236	0.218154	-

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.	3.69	6101.84215072	Cum
i	Skilled	0.18	0.6642	-
ii	Un-Skilled	3.9	14.391	-

4	<p>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.</p>	2.16	5355.955855496	Cum
i	Un-Skilled	2.96	6.3936	-
ii	Skilled	1.05	2.268	-
iii	Highly-Skilled	0.35	0.756	-

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.	12.75	5389.285855496	Cum
i	Un-Skilled	2.96	37.74	-
ii	Skilled	1.05	13.3875	-
iii	Highly-Skilled	0.35	4.4625	-
6	R.C.C. Work (AR0407Aa) : Column base (including centering & shuttering) - Column base (including centring & shuttering)	2	6964.4761774033	Cum
i	Un-Skilled	1.3333	2.6666	-

	ii	Skilled	0.175	0.35	-
	iii	Semi-Skilled	0.1323	0.2646	-
7		R.C.C. Work (AR0407Ab) : Plinth beam (including centering & shuttering) - Plinth beam (including centring & shuttering)	2.125	7719.4196661042	Cum
	i	Un-Skilled	1.3333	2.8332625	-
	ii	Skilled	0.35	0.74375	-
	iii	Semi-Skilled	0.3073	0.6530125	-
8		R.C.C. Work (AR0407Ac) : Column & Beam (including centring & shuttering) - Column & Beam (including centring & shuttering)	1.125	14927.730214129	Cum
	i	Un-Skilled	1.3333	1.4999625	-
	ii	Skilled	5.33875	6.00609375	-
	iii	Semi-Skilled	5.29605	5.95805625	-

9	<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>	61.2	248.078424424	Sqm
i	Un-Skilled	0.24	14.688	-
ii	Skilled	0.16	9.792	-
10	<p>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.</p>	61.2	173.9069019544	Sqm

	i	Un-Skilled	0.12	7.344	-
	ii	Skilled	0.14	8.568	-
11		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)	122.4	158.48919230825	Sqm
	i	Un-Skilled	0.11776344086022	14.41424516129	-
	ii	Highly-Skilled	0.10776344086022	13.19024516129	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
2	Un-Skilled	109.44937416129	452	49471.117120903
4	Skilled	41.77954375	552	23062.30815
5	Highly-Skilled	18.40874516129	602	11082.064587097
3	Semi-Skilled	6.87566875	502	3451.5857125

Total: 87067.0755705

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<p>Earth Work (AR0102a) :.Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift -</p> <p>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>	-	16.885	Cum
2	<p>Earth Work (AR0115) :.Filling foundation and plinth with sand well watered and rammed -</p> <p>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>	-	1.765	Cum
i)	BRM029 : Sand for filling and road blinding	1	1.765	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.	-	3.69	Cum
i)	BRM340 : Cement	2.29	8.4501	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	1.7712	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	3.5424	1 Cum.

4	<p>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.</p>	-	2.16	Cum
i)	BRM340 : Cement	0.672	1.45152	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	0.6048	1 Cum
iii)	BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance ± 2 %	350	756	1000 Nos

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.	-	12.75	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	12.75	1 Cum
ii)	BRM340 : Cement	0.672	8.568	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	3.57	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 ± 2 %	350	4462.5	1000 Nos
6	R.C.C. Work (AR0407Aa) ::Column base (including centering & shuttering) - Column base (including centring & shuttering)	-	2	Cum
i)	BRM340 : Cement	4.22	8.44	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.9	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	0.72	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	1.08	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.00801	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.189	0.378	1Mtr.
7	R.C.C. Work (AR0407Ab) :.Plinth beam (including centering & shuttering) - Plinth beam (including centring & shuttering)	-	2.125	Cum
i)	BRM340 : Cement	4.22	8.9675	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.95625	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	0.765	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	1.1475	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.02836875	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.63	1.33875	1Mtr.
8	R.C.C. Work (AR0407Ac) :.Column & Beam (including centring & shuttering) - Column & Beam (including centring & shuttering)	-	1.125	Cum
i)	BRM340 : Cement	4.22	4.7475	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.50625	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	0.405	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	0.6075	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	4.4196	4.97205	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	0.046720125	1Cum.
9	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.	-	61.2	Sqm
i)	BRM340 : Cement	0.043	2.6316	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.1016	1 Cum

10	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.	-	61.2	Sqm
i)	BRM340 : Cement	0.0358	2.19096	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.918	1 Cum
11	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)	-	122.4	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	15.3	1 Ltr
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	11.055483870968	1 Ltr

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	1.765	1 Cum	531.74	938.5211
2	BRM340	45.44718	1 Qntl.	483.422	21970.16664996
3	BRM028	10.3281	1 Cum	668.36	6902.888916

4	BRM044	3.5424	1 Cum.	1726.96	6117.583104
5	BRM005	5218.5	1000 Nos	6.4531	33675.50235
6	BRMMR0025	12.75	1 Cum	33	420.75
7	BRM060	1.89	1 Cum.	2111.71	3991.1319
8	BRM052	2.835	1 Cum.	2114	5993.19
9	BRM104	0.083098875	1Cum.	58715.766	4879.2140993633
10	BRM092	1.71675	1Mtr.	371.786	638.2636155
11	BRM084	4.97205	1Mtr	392.846	1953.2499543
12	BRM255	15.3	1 Ltr	195.27567	2987.717751
13	BRM253	11.055483870968	1 Ltr	159.51567	1763.5229168516
Total: 92231.702356975					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	1.765	1 Cum	602.25	1062.97125
2	BRM028	10.3281	1 Cum	602.25	6220.098225
3	BRM044	3.5424	1 Cum.	551.5	1953.6336
4	BRM005	5218.5	1000 Nos	0.44225	2307.881625
5	BRM060	1.89	1 Cum.	551.5	1042.335
6	BRM052	2.835	1 Cum.	551.5	1563.5025
Total: 14150.4222					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 1000	Rs. 1000
2	Display Citizen Board @ Rs. 453	Rs. 453
Total Addition Component Amount (in Rs.): 1453		

Total Net Amount (in Rs.): 202037.73681424