

ESTIMATION DPR							
State	Odisha	District	Mayurbhanj	Block	Baripada	Panchayat	Sankhabhanga

Work Code	OD/365/3490/120107/389153/00014367 (CONSTRUCTION OF BOUNDARY WALL AT TADKISOLE PRY SCHOOL AT TADKISOLE)
Project Category	Other Infrastructure

Financial Year	2024-25	Execution Level	Sankhabhanga, 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	13.0375	196.3036	2559.308185
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	2.5125	1122.854572	2821.17211215

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	2.5125	5832.23012472	14653.478188359
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4	Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside. - 16mm thick cement Plaster in CM (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.	Sqm	45	243.258401424	10946.62806408
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5	<p style="text-align: center;">R.C.C.</p> <p>Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - Rigid and smooth centering 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. beams, column, grider and bressmer, etc. Data for 4.2sqm</p>	Sqm	27.5	1034.6776319419	28453.634878402
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6	<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	4	7903.0956114	31612.3824456
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7	<p style="text-align: center;">R.C.C.</p> <p>Work (AR0404Ab) : 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 Plinth band)</p>	Cum	4.55875	6978.0706377546	31811.279519864
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8	<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 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	2.475	4970.777447896	12302.674183543
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9	<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	8.4375	5004.107447896	42222.156591623
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10	<p style="text-align: center;">Painting (AR0917g) :</p> <p>Finishing wall with one coat weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work (Outside) -</p> <p>Finishing wall with one coat weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)</p>	Sqm	90	124.20452835213	11178.407551692
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1	<p>Earth Work (AR01 02a) : Earth work in hard soil or gravell y soil within 50m. Initial lead and 1.5m initial lift - 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>	13.037 5	Cubic Meter	0.43	5.6061 25	-	-	-	-	-	-
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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.	2.5125	Cubic Meter	0.1236	0.3105 45	-	-	-	-	-	-
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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>	2.5125	Cubic Meter	3.9	9.79875	-	-	0.18	0.45225	-	-
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4	<p>Plastering (AR10 14) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.</p> <p>- 16mm thick cement Plaster in CM (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 directio</p>	45	Square Meter	0.24	10.8	-	-	0.16	7.2	-	-
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5	R.C.C. Work (AR04 10d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - Rigid and smooth centering 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. beams, column , grider and bressmer, etc. Data for 4.2sqm	27.5	Square Meter	-	-	0.6547 619047 619	18.005 952380 952	0.6547 619047 619	18.005 952380 952	-	-
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6	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	4	Quintal	0.8	3.2	0.044	0.176	-	-	0.3	1.2
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7	R.C.C. Work (AR04 04Ab) : 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	4.55875	Cubic Meter	1.3333	6.078181375	0.3073	1.400903875	0.35	1.5955625	-	-
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8	<p>Masonry Brick Work (AR06 03b) : 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 immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P require</p>	2.475	Cubic Meter	2.82	6.9795	-	-	1.05	2.5987 5	0.35	0.8662 5
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9	<p>Masonry Brick Work (AR06 03bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure</p> <p>- 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</p>	8.4375	Cubic Meter	2.82	23.793 75	-	-	1.05	8.8593 75	0.35	2.9531 25
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10	Painting (AR09 17g) : Finishing wall with one coat weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work (Outside) - Finishing wall with one coat weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes , and putty required for the	90	Square Meter	0.0967 634408 60215	8.7087 096774 194	-	-	-	-	0.0897 634408 60215	8.0787 096774 194
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11	Plastering (AR10 04i) : Fifth Floor - 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 and as per direction of Engineer-in-charge.	45	Square Meter	0.1531537875	6.8919204375	-	-	0.17867941875	8.04057384375	-	-
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Total Qty	82.167481489919	46.752463724702	19.582856255952	13.098084677419
Rate Per Man Day	452	552	502	602
Total Amount	37139.701633444	25807.359976036	9830.5938404881	7885.0469758065
Total Labour Amount (in Rs.): 80662.702425774				

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	-	13.0375	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.	-	2.5125	Cum
i)	BRM029 : Sand for filling and road blinding	1	2.5125	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.	-	2.5125	Cum
i)	BRM340 : Cement	2.29	5.753625	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	1.206	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	2.412	1 Cum.
4	Plastering (AR1014) :.16mm thick cement Plaster in CM (1:6) over brick work in inside. - 16mm thick cement Plaster in CM (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.	-	45	Sqm
i)	BRM340 : Cement	0.043	1.935	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.81	1 Cum
5	R.C.C. Work (AR0410d) :.Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - Rigid and smooth centering 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. beams, column, grider and bressmer, etc. Data for 4.2sqm	-	27.5	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	15.190476190476	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.1427380952381	1Cum.

6	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.	-	4	Qntl
i)	BRM162 : Binding Wire.	0.8	3.2	1 Kg.
ii)	BRM341 : Steel	1.05	4.2	1 Qntl.

7	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 centering and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)	-	4.55875	Cum
i)	BRM340 : Cement	3.4733	15.833906375	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.0514375	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	1.64115	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	2.461725	1 Cum.

v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.0608593125	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.63	2.8720125	1Mtr.
8	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/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.	-	2.475	Cum
i)	BRM340 : Cement	0.672	1.6632	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	0.693	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	866.25	1000 Nos

9	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.	-	8.4375	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	8.4375	1 Cum
ii)	BRM340 : Cement	0.672	5.67	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	2.3625	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./Cm ² with dimensional tolerance $\pm 2\%$	350	2953.125	1000 Nos

10	Painting(AR0917g) :.Finishing wall with one coat weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work (Outside) - Finishing wall with one coat weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)	-		90	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.075		6.75	1 Ltr
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084		7.56	1 Ltr
11	Plastering (AR1004i) :.Fifth Floor - 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.	-		45	Sqm
i)	BRM340 : Cement	0.0358		1.611	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015		0.675	1 Cum

Sl.No.	Material Name	Qty	Unit	Rate	Amount
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1	BRM029	2.5125	1 Cum	453.62	1139.72025
2	BRM340	32.466731375	1 Qntl.	459.642	14923.073342668
3	BRM028	7.7979375	1 Cum	460.04	3587.3631675
4	BRM044	2.412	1 Cum.	1609.78	3882.78936
5	BRM084	15.190476190476	1Mtr	297.726	4522.5997142857
6	BRM104	0.2035974077381	1Cum.	58620.646	11935.011565533
7	BRM162	3.2	1 Kg.	90	288
8	BRM341	4.2	1 Qntl.	5806.592	24387.6864
9	BRM060	1.64115	1 Cum.	1994.53	3273.3229095
10	BRM052	2.461725	1 Cum.	1996.82	4915.6217145
11	BRM092	2.8720125	1Mtr.	276.666	794.588210325
12	BRM005	3819.375	1000 Nos	6.1586	23522.002875
13	BRMMR0025	8.4375	1 Cum	33	278.4375
14	BRM255	6.75	1 Ltr	195.09732	1316.90691
15	BRM252	7.56	1 Ltr	125.80732	951.1033392
Total: 99718.227258511					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	2.5125	1 Cum	602.25	1513.153125
2	BRM028	7.7979375	1 Cum	602.25	4696.307859375
3	BRM044	2.412	1 Cum.	551.5	1330.218
4	BRM060	1.64115	1 Cum.	551.5	905.094225
5	BRM052	2.461725	1 Cum.	551.5	1357.6413375
6	BRM005	3819.375	1000 Nos	0.04025	153.72984375
Total: 9956.144390625					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 1978.5771371995
2	Display Citizen Board @ Rs. 2201	Rs. 2201

Total Addition Component Amount (in Rs.): 4179.5771371995

Total Net Amount (in Rs.): 202037.29085715