

ESTIMATION DPR

State	Odisha	District	Cuttack	Block	Narasinghpur	Gram Panchayat	Kakudia
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Work Code	OD/350/3340/117035/398532/00063351 (Construction of Kunjaban Tota Kakudia)
Project Category	Other Infrastructure

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Narasinghpur	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	Play Field	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.	15612
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 (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</p>	Cum	15.0125	240.77592	3614.648499
2	<p style="text-align: center;">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	5.69075	6308.41640436	35899.620653112

3	<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	26.69025	777.299232	20746.310826888
4	<p style="text-align: center;">Plastering (AR1014) : 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 direction of Engineer-in-charge.</p>	Sqm	27.92	244.807073612	6835.013495247

5	<p style="text-align: center;">R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - 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</p>	Sqm	36.45	216.23489289764	7881.761846119
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 - 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	3.27	8547.2584008	27949.534970616

7	<p style="text-align: center;">Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in- charge.</p>	Sqm	41.6325	377.6907187872	15724.208849908
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 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	9.225	5087.720656648	46934.223057578

9	<p style="text-align: center;">R.C.C. Work (AR0404A) : 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)</p>	Cum	4.89375	6456.2320412372	31595.185551805
Total Amount (in Rs.): 197180.50775027					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<p>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</p>	-	15.0125	Cum
i	Un-Skilled	0.516	7.74645	-
2	<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>	-	5.69075	Cum
i	Skilled	0.18	1.024335	-
ii	Un-Skilled	3.9	22.193925	-

3	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.	-	26.69025	Cum
i	Un-Skilled	0.1236	3.2989149	-
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.	-	27.92	Sqm
i	Un-Skilled	0.24	6.7008	-
ii	Skilled	0.16	4.4672	-

5	<p>R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - 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</p>	-	36.45	Sqm
i	Semi-Skilled	0.05	1.8225	-
ii	Skilled	0.05	1.8225	-
6	<p>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.</p>	-	3.27	Qntl
i	Un-Skilled	0.8	2.616	-
ii	Highly-Skilled	0.3	0.981	-

	iii	Semi-Skilled	0.044	0.14388	-
7		Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.	-	41.6325	Sqm
	i	Un-Skilled	0.36	14.9877	-
	ii	Highly-Skilled	0.13	5.412225	-
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/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.	-	9.225	Cum
	i	Un-Skilled	2.96	27.306	-

	ii	Skilled	1.05	9.68625	-
	iii	Highly-Skilled	0.35	3.22875	-
9		R.C.C. Work (AR0404A) : 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)	-	4.89375	Cum
	i	Un-Skilled	1.3333	6.524836875	-
	ii	Skilled	0.1	0.489375	-
	iii	Semi-Skilled	0.0573	0.280411875	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	91.374626775	462	42215.07757005
2	Skilled	17.48966	562	9829.18892

3	Semi-Skilled	2.246791875	512	1150.35744
4	Highly-Skilled	9.621975	612	5888.6487
				Total: 59083.27263005

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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	-	15.0125	Cum
2	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.	-	5.69075	Cum
i)	BRM340 : Cement	2.29	13.0318175	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	2.73156	1 Cum

iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	5.46312	1 Cum.
3	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.	-	26.69025	Cum
i)	BRM029 : Sand for filling and road blinding	1	26.69025	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.	-	27.92	Sqm
i)	BRM340 : Cement	0.043	1.20056	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.50256	1 Cum

5	R.C.C. Work (AR0410c) :.R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - 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	-	36.45	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.0973215	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	4.5927	1Mtr.
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.	-	3.27	Qntl
i)	BRM162 : Binding Wire.	0.8	2.616	1 Kg.
ii)	BRM341 : Steel	1.05	3.4335	1 Qntl.

7	Flooring (AR0802ii) :.2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.	-	41.6325	Sqm
i)	BRM340 : Cement	0.0858	3.5720685	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.012	0.49959	1 Cum
iii)	BRM057 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve)(Hand broken)	0.023	0.9575475	1 Cum.
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 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.	-	9.225	Cum
i)	BRM340 : Cement	0.672	6.1992	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	2.583	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./Cm2 with dimensional tolerance \pm 2 %	350	3228.75	1000 Nos
9	R.C.C. Work (AR0404A) :.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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)	-	4.89375	Cum
i)	BRM340 : Cement	3.4733	16.997461875	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.2021875	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	1.76175	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	2.642625	1 Cum.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	41.001107875	1 Qntl.	569.712	23358.823169682

2	BRM028	8.5188975	1 Cum	548.19	4669.974420525
3	BRM044	5.46312	1 Cum.	1900.31	10381.6215672
4	BRM029	26.69025	1 Cum	543.25	14499.4783125
5	BRM104	0.0973215	1Cum.	58573.086	5700.420589149
6	BRM092	4.5927	1Mtr.	229.106	1052.2151262
7	BRM162	2.616	1 Kg.	90.1	235.7016
8	BRM341	3.4335	1 Qntl.	6312.052	21672.430542
9	BRM057	0.9575475	1 Cum.	2032.31	1946.033359725
10	BRM005	3228.75	1000 Nos	6.33315	20448.1580625
11	BRM060	1.76175	1 Cum.	2338.91	4120.5746925
12	BRM052	2.642625	1 Cum.	2280.21	6025.73995125
Total: 114111.17139323					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	8.5188975	1 Cum	169.25	1441.823401875
2	BRM044	5.46312	1 Cum.	674.5	3684.87444
3	BRM029	26.69025	1 Cum	169.25	4517.3248125
4	BRM057	0.9575475	1 Cum.	674.5	645.86578875
5	BRM060	1.76175	1 Cum.	674.5	1188.300375
6	BRM052	2.642625	1 Cum.	674.5	1782.4505625
Total: 13260.639380625					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 2021	Rs. 2021
2	Display Citizen Board @ Rs. 2836	Rs. 2836
Total Addition Component Amount (in Rs.): 4857		

Total Net Amount (in Rs.): 202037.50775027