

## ESTIMATION DPR

<b>State</b>	Odisha	<b>District</b>	Sambalpur	<b>Block</b>	Jujomura	<b>Gram Panchayat</b>	Nuabarangamal
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<b>Work Code</b>	OD/371/3561/121347/382128/00070765 (Construction of Culvert on Khairmal RD road to Birangpada)
<b>Project Category</b>	CD Work

<b>Financial Year</b>	2025-26	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Jujomura	<b>Proposal Date</b>	28-01-2025
<b>Date of Commencement</b>	-	<b>Date of Completion</b>	
<b>Scheme Name</b>	SFC Devolution of Fund	<b>Scheme Component Name</b>	5TH SFC DEVOLUTION GRANT TO PANCHAYAT SAMITI
<b>Project Sub-Category</b>	Slab Culvert	<b>Project Type</b>	New Work
<b>Name of Executant</b>			

## Administrative Approval Details

<b>Approval No.</b>	
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## Technical Sanction Details

<b>Technical Sanction No.</b>	
<b>Fund Sanction No.</b>	23/PS/Date28012025
<b>Fund Sanction Amount (in Rs.)</b>	236684

## 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;"><b>Earth Work (AR0102aa)</b>  <b>: Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b>  Earth work in hard soil or gravelly soil foundation &amp; 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	16.732375	240.77592	4028.75298441
2	<p style="text-align: center;"><b>Earth Work (AR0115) :</b>  <b>Filling foundation and plinth with sand well watered and rammed -</b>  Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	3.645075	549.907832	2004.4552907274

3	<p style="text-align: center;"><b>Concrete (AR0303) :</b>  <b>Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b> 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	24.23982548	5611.5688678	136023.45002447
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4	<p style="text-align: center;"><b>R.C.C. Work (AR0404Ab) :</b></p> <p><b>Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> Reinforced cement concrete work of M-20 grade with 20mm &amp; 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&amp;P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)</p>	Cum	3.081306	6937.9985867342	21378.096673296
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5	<p style="text-align: center;"><b>R.C.C. Work (AR0409) :</b>  <b>Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position -</b>  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	8926.1063405	26778.3190215
6	<p style="text-align: center;"><b>R.C.C. Work (AR0410c) :</b>  <b>R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc -</b> 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	81.047818	216.23489289764	17525.366244817

7	<p><b>Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside. -</b>  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 &amp; P required for the work etc comp.and as per direction of Engineer-in-charge.</p>	Sqm	32.650634	252.35616186	8239.5886785356
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8	<p style="text-align: center;"><b>Earth Work (AR0101c) :</b>  <b>Earth work in ordinary soil in embankments, roads, etc. within 50m initial lead and 1.5m initial lift and Compaction with H.R.R - Earth work in ordinary soil in embankments, roads, etc. 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 specification approved by the department including proper compaction with H.R.R. (section measurement to be taken on the finished compacted section of the fill) as per direction of Engineer-in-Charge.</b></p>	Cum	25.47	169.92153948	4327.9016105556
9	<p style="text-align: center;"><b>Road Work (AR1307) :</b>  <b>Supplying &amp; spreading moorum and consolidation with HRR - Supplying &amp; spreading moorum and consolidation with HRR including cost, conveyance, royalty, taxes cost of all labour &amp; material, hire charges of T &amp; P materials required for work as per specification and complete as per direction of Engineer-in-Charge.</b></p>	Cum	10.188	1114.3667846784	11353.168802304

## LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<b>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b> 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	-	16.732375	Cum
i	Un-Skilled	0.516	8.6339055	-
2	<b>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</b> 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.	-	3.645075	Cum
i	Un-Skilled	0.1236	0.45053127	-

3	<p><b>Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b> 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	24.23982548	Cum
i	Skilled	0.18	4.3631685864	-
ii	Un-Skilled	3.9	94.535319372	-
4	<p><b>R.C.C. Work (AR0404Ab) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> Reinforced cement concrete work of M-20 grade with 20mm &amp; 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&amp;P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)</p>	-	3.081306	Cum

	i	Un-Skilled	1.3333	4.1083052898	-
	ii	Skilled	0.35	1.0784571	-
	iii	Semi-Skilled	0.3073	0.9468853338	-
5		<b>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 -</b> 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	Qntl
	i	Un-Skilled	0.8	2.4	-
	ii	Highly-Skilled	0.3	0.9	-
	iii	Semi-Skilled	0.044	0.132	-

6	<p><b>R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc -</b> 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>	-	81.047818	Sqm
i	Semi-Skilled	0.05	4.0523909	-
ii	Skilled	0.05	4.0523909	-
7	<p><b>Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside. -</b> 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 &amp; P required for the work etc comp.and as per direction of Engineer-in-charge.</p>	-	32.650634	Sqm
i	Un-Skilled	0.24	7.83615216	-
ii	Skilled	0.16	5.22410144	-

8	<p><b>Earth Work (AR0101c) : Earth work in ordinary soil in embankments, roads, etc. within 50m initial lead and 1.5m initial lift and Compaction with H.R.R</b> - Earth work in ordinary soil in embankments, roads, etc. 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 specification approved by the department including proper compaction with H.R.R. (section measurement to be taken on the finished compacted section of the fill) as per direction of Engineer-in-Charge.</p>	-	25.47	Cum
i	Un-Skilled	0.364154	9.27500238	-
9	<p><b>Road Work (AR1307) : Supplying &amp; spreading moorum and consolidation with HRR</b> - Supplying &amp; spreading moorum and consolidation with HRR including cost, conveyance, royalty, taxes cost of all labour &amp; material, hire charges of T &amp; P materials required for work as per specification and complete as per direction of Engineer-in-Charge.</p>	-	10.188	Cum
i	Un-Skilled	1.0600706713781	10.8	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	138.0392159718	462	63774.117778972

2	Skilled	14.7181180264	562	8271.5823308368
3	Semi-Skilled	5.1312762338	512	2627.2134317056
4	Highly-Skilled	0.9	612	550.8
				<b>Total: 75223.713541514</b>

## MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b> 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	-	<b>16.732375</b>	Cum
2	<b>Earth Work (AR0115) :.Filling foundation and plinth with sand well watered and rammed -</b> 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.	-	<b>3.645075</b>	Cum
i)	<b>BRM029 : Sand for filling and road blinding</b>	1	3.645075	1 Cum

3	<p><b>Concrete (AR0303)</b>  <b>:.Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b>  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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	<b>24.23982548</b>	Cum
i)	<b>BRM340</b> : Cement	2.29	55.5092003492	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	11.6351162304	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	23.2702324608	1 Cum.
4	<p><b>R.C.C. Work (AR0404Ab)</b>  <b>:.Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b>  Reinforced cement concrete work of M-20 grade with 20mm &amp; 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&amp;P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)</p>	-	<b>3.081306</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	10.7023001298	1 Qntl.

ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1.3865877	1 Cum
iii)	<b>BRM060</b> : 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	1.10927016	1 Cum.
iv)	<b>BRM052</b> : 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	1.66390524	1 Cum.
v)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.0411354351	1Cum.
vi)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.63	1.94122278	1Mtr.
5	<b>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 -</b> 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	Qntl
i)	<b>BRM162</b> : Binding Wire.	0.8	2.4	1 Kg.
ii)	<b>BRM341</b> : Steel	1.05	3.15	1 Qntl.

6	<p><b>R.C.C. Work (AR0410c) :-R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc -</b> 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>	-	<b>81.047818</b>	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.21639767406	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	10.212025068	1Mtr.
7	<p><b>Plastering (AR1014) :-16mm thick cement Plaster in CM (1:6) over brick work in inside. -</b> 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 &amp; P required for the work etc comp.and as per direction of Engineer-in-charge.</p>	-	<b>32.650634</b>	Sqm
i)	<b>BRM340</b> : Cement	0.043	1.403977262	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	0.587711412	1 Cum

8	<b>Earth Work (AR0101c) :.Earth work in ordinary soil in embankments, roads, etc. within 50m initial lead and 1.5m initial lift and Compaction with H.R.R - Earth work in ordinary soil in embankments, roads, etc. 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 specification approved by the department including proper compaction with H.R.R. (section measurement to be taken on the finished compacted section of the fill) as per direction of Engineer-in-Charge.</b>	-	25.47	Cum
9	<b>Road Work (AR1307) :.Supplying &amp; spreading moorum and consolidation with HRR - Supplying &amp; spreading moorum and consolidation with HRR including cost, conveyance, royalty, taxes cost of all labour &amp; material, hire charges of T &amp; P materials required for work as per specification and complete as per direction of Engineer-in-Charge.</b>	-	10.188	Cum
i)	<b>BRM025 : Gravel or moorum</b>	1.28	13.04064	1 Cum

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	3.645075	1 Cum	411.11	1498.52678325
2	<b>BRM340</b>	67.615477741	1 Qntl.	580.622	39259.033916935
3	<b>BRM028</b>	13.6094153424	1 Cum	1030.79	14028.449240792
4	<b>BRM044</b>	23.2702324608	1 Cum.	1356.21	31559.321965662
5	<b>BRM060</b>	1.10927016	1 Cum.	1824.88	2024.2849295808
6	<b>BRM052</b>	1.66390524	1 Cum.	1788.5	2975.89452174
7	<b>BRM104</b>	0.25753310916	1Cum.	58573.086	15084.508950676

8	<b>BRM092</b>	12.153247848	1Mtr.	229.106	2784.3820014639
9	<b>BRM162</b>	2.4	1 Kg.	90	216
10	<b>BRM341</b>	3.15	1 Qntl.	6616.672	20842.5168
11	<b>BRM025</b>	13.04064	1 Cum	403.11	5256.8123904
<b>Total: 135529.7315005</b>					

#### ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	3.645075	1 Cum	76.25	277.93696875
2	<b>BRM028</b>	13.6094153424	1 Cum	76.25	1037.717919858
3	<b>BRM044</b>	23.2702324608	1 Cum.	279.5	6504.0299727936
4	<b>BRM060</b>	1.10927016	1 Cum.	279.5	310.04100972
5	<b>BRM052</b>	1.66390524	1 Cum.	279.5	465.06151458
6	<b>BRM025</b>	13.04064	1 Cum	76.25	994.3488
<b>Total: 9589.1361857016</b>					

#### ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 1024	Rs. 1024
2	Display Citizen Board @ Rs. 3000	Rs. 3000
3	Any Other Lumpsum @ Rs. 1000	Rs. 1000
<b>Total Addition Component Amount (in Rs.): 5024</b>		

**Total Net Amount (in Rs.): 236683.09933062**