

ESTIMATION DPR							
State	Odisha	District	Balangir	Block	Saintala	Gram Panchayat	Jhinkidunguri

Work Code	OD/345/3295/115992/421090/00064318 (CONSTRUCTION OF CULVERT AT NAGFENA TO SCHOOL ROAD OF JHNKIDNGURI GP)						
Project Category	CD Work						

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Saintala	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	Slab Culvert	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.)	250000

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	15.6308736	240.77592	3763.5379714437
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	3.0582144	519.547232	1588.8868263825

3	<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	26.1647232	5164.76184186	135134.56398619
4	<p style="text-align: center;">Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specifcaion and direction of Engineer-in charge.</p>	Cum	0.424752	6676.48034782	2835.8483806972

5	<p style="text-align: center;">R.C.C. Work (AR0404Ag) :</p> <p>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 centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)</p>	Cum	3.29041216	12019.890038902	39550.392345866
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6	<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>	Sqm	86.957208	216.39264180804	18816.899963371
7	<p>Bridge Works (AR2008) : Back filling behind abutment, wing wall and return wall using sandy material complete. - Back filling behind abutment, wing wall and return wall using sandy material complete as per drawing and direction of Engineer-in charge.</p>	Cum	41.625696	917.5330254	38192.950785261
Total Amount (in Rs.): 239883.08025921					

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>	-	15.6308736	Cum
i	Un-Skilled	0.516	8.0655307776	-
2	<p>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>	-	3.0582144	Cum
i	Un-Skilled	0.1236	0.37799529984	-

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>	-	26.1647232	Cum
i	Skilled	0.18	4.709650176	-
ii	Un-Skilled	3.9	102.04242048	-
4	<p>Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specificaion and direction of Engineer-in charge.</p>	-	0.424752	Cum
i	Un-Skilled	4.6	1.9538592	-

	ii	Skilled	0.68	0.28883136	-
5		R.C.C. Work (AR0404Ag) : 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 centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)	-	3.29041216	Cum
	i	Un-Skilled	1.3333	4.387106532928	-
	ii	Skilled	3.15525	10.38207296784	-
	iii	Semi-Skilled	3.11255	10.241572368608	-

6	<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>	-	86.957208	Sqm
i	Semi-Skilled	0.05	4.3478604	-
ii	Skilled	0.05	4.3478604	-
7	<p>Bridge Works (AR2008) : Back filling behind abutment, wing wall and return wall using sandy material complete. - Back filling behind abutment, wing wall and return wall using sandy material complete as per drawing and direction of Engineer-in charge.</p>	-	41.625696	Cum
i	Un-Skilled	0.7	29.1379872	-
ii	Semi-Skilled	0.028	1.165519488	-
SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	145.96489949037	462	67435.78356455

2	Skilled	19.72841490384	562	11087.369175958
3	Semi-Skilled	15.754952256608	512	8066.5355553833
				Total: 86589.688295891

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	-	15.6308736	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.	-	3.0582144	Cum
i)	BRM029 : Sand for filling and road blinding	1	3.0582144	1 Cum

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>	-	26.1647232	Cum
i)	BRM340 : Cement	2.29	59.917216128	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	12.559067136	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	25.118134272	1 Cum.
4	<p>Concrete (AR0307) :.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specificaion and direction of Engineer-in charge.</p>	-	0.424752	Cum
i)	BRM340 : Cement	3.23	1.37194896	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.1911384	1 Cum

iii)	BRM056 : 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) (Crusher broken)	0.9	0.3822768	1 Cum.
5	R.C.C. Work (AR0404Ag) :.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 centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)	-	3.29041216	Cum
i)	BRM340 : Cement	3.4733	11.428588555328	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.480685472	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	1.1845483776	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	1.7768225664	1 Cum.

v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	6.2216	20.471628294656	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.16523528552115	1Cum.
6	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	-	86.957208	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.23217574536	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	10.956608208	1Mtr.
7	Bridge Works(AR2008) :.Back filling behind abutment, wing wall and return wall using sandy material complete. - Back filling behind abutment, wing wall and return wall using sandy material complete as per drawing and direction of Engineer-in charge.	-	41.625696	Cum
i)	BRM029 : Sand for filling and road blinding	1.2	49.9508352	1 Cum

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	53.0090496	1 Cum	413.05	21895.38793728
2	BRM340	72.717753643328	1 Qntl.	578.157	42042.278293166
3	BRM028	14.230891008	1 Cum	417.99	5948.3701324339
4	BRM044	25.118134272	1 Cum.	1336.36	33566.86991573

5	BRM056	0.3822768	1 Cum.	1737.73	664.293863664
6	BRM060	1.1845483776	1 Cum.	1741.11	2062.4290257231
7	BRM052	1.7768225664	1 Cum.	1723.4	3062.1760109338
8	BRM084	20.471628294656	1Mtr	297.726	6094.9360056548
9	BRM104	0.39741103088115	1Cum.	58620.646	23296.491357779
10	BRM092	10.956608208	1Mtr.	276.666	3031.3209664745
Total: 141664.55350884					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	53.0090496	1 Cum	44.25	2345.6504448
2	BRM028	14.230891008	1 Cum	44.25	629.716927104
3	BRM044	25.118134272	1 Cum.	165.32	4152.529957847
4	BRM056	0.3822768	1 Cum.	165.32	63.198000576
5	BRM060	1.1845483776	1 Cum.	165.32	195.82953778483
6	BRM052	1.7768225664	1 Cum.	165.32	293.74430667725
Total: 7680.6691747891					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 2500	Rs. 2500
2	Display Citizen Board @ Rs. 5000	Rs. 5000
3	Any Other Lumpsum @ Rs. 2500	Rs. 2500
4	Provision for survey investigation and quality control @ Rs. 116.91	Rs. 116.91
Total Addition Component Amount (in Rs.): 10116.91		

Total Net Amount (in Rs.): 249999.99025921