

ESTIMATION DPR							
State	Odisha	District	Mayurbhanj	Block	Rasgovindpur	Gram Panchayat	Rasgovindpur

Work Code	OD/365/3505/120325/390135/00063155 (Const. of CC road from Sumanta Mohanty house to PMGSY road, Rasgovindpur)
Project Category	Road

Financial Year	2022-23	Execution Level	PS
Executing Agency	Panchayat Samiti, Rasgovindpur	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	CC Road	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.	24940
Fund Sanction Amount (in Rs.)	201919

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
1	Earth Work (AR0110) : Fine dressing of earth work in ordinary or hard soil in road formation - Fine dressing of earth work in ordinary or hard soil in road formaton according to the direction of the department including cutting or filling earth upto 0.15m depth of surface.	Sqm	108.69651	4.6662	507.199654962

2	<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	2.4847992	240.77592	598.27981339526
3	<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	10.088284752	931.526232	9397.5018823736

4	<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	14.262747408	6485.8877403	92506.578556543
5	<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	10.93311648	7987.8973021	87332.611634137

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	Sqm	34.13070414	216.23489289764	7380.2491542339
Total Amount (in Rs.): 197722.42069564					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	Earth Work (AR0110) : Fine dressing of earth work in ordinary or hard soil in road formation - Fine dressing of earth work in ordinary or hard soil in road formaton according to the direction of the department including cutting or filling earth upto 0.15m depth of surface.	-	108.69651	Sqm
i	Un-Skilled	0.01	1.0869651	-

2	<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>	-	2.4847992	Cum
i	Un-Skilled	0.516	1.2821563872	-
3	<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>	-	10.088284752	Cum
i	Un-Skilled	0.1236	1.2469119953472	-

4	<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>	-	14.262747408	Cum
i	Skilled	0.18	2.56729453344	-
ii	Un-Skilled	3.9	55.6247148912	-
5	<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>	-	10.93311648	Cum
i	Un-Skilled	4.6	50.292335808	-

	ii	Skilled	0.68	7.4345192064	-
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	-	34.13070414	Sqm
	i	Semi-Skilled	0.05	1.706535207	-
	ii	Skilled	0.05	1.706535207	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	109.53308418175	462	50604.284891967
2	Skilled	11.70834894684	562	6580.0921081241
3	Semi-Skilled	1.706535207	512	873.746025984
Total:				58058.123026075

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	<p>Earth Work (AR0110) :.Fine dressing of earth work in ordinary or hard soil in road formation - Fine dressing of earth work in ordinary or hard soil in road formaton according to the direction of the department including cutting or filling earth upto 0.15m depth of surface.</p>	-	108.69651	Sqm
2	<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>	-	2.4847992	Cum
3	<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>	-	10.088284752	Cum
i)	BRM029 : Sand for filling and road blinding	1	10.088284752	1 Cum

4	<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>	-	14.262747408	Cum
i)	BRM340 : Cement	2.29	32.66169156432	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	6.84611875584	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	13.69223751168	1 Cum.
5	<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>	-	10.93311648	Cum
i)	BRM340 : Cement	3.23	35.3139662304	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	4.919902416	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	9.839804832	1 Cum.
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	-	34.13070414	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.0911289800538	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	4.30046872164	1Mtr.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	10.088284752	1 Cum	342.95	3459.7772556984
2	BRM340	67.97565779472	1 Qntl.	632.787	43014.112568947
3	BRM028	11.76602117184	1 Cum	349.37	4110.6948168057
4	BRM044	13.69223751168	1 Cum.	1949.16	26688.361668266
5	BRM056	9.839804832	1 Cum.	2350.53	23128.756451761
6	BRM104	0.0911289800538	1Cum.	58573.086	5337.7055857835
7	BRM092	4.30046872164	1Mtr.	229.106	985.26318694005
Total: 106724.6715342					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	10.088284752	1 Cum	522.25	5268.606711732
2	BRM028	11.76602117184	1 Cum	522.25	6144.8045569934
3	BRM044	13.69223751168	1 Cum.	551.5	7551.2689876915

4	BRM056	9.839804832	1 Cum.	551.5	5426.652364848
Total: 24391.332621265					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 1977.2242069564
2	Display Citizen Board @ Rs. 2219.35	Rs. 2219.35
Total Addition Component Amount (in Rs.): 4196.5742069564		

Total Net Amount (in Rs.): 201918.9949026