

ESTIMATION DPR							
State	Odisha	District	Gajapati	Block	Kasinagar	Gram Panchayat	Hadubhangi

Work Code	OD/353/3359/117480/414556/00065228 (Improvement of road from PWD road to Kumuti Sahi to Hadubhangi village in convergence with MGNREGA)						
Project Category	Road						

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Kasinagar	Proposal Date	12-03-2024
Date of Commencement	-	Date of Completion	
Scheme Name	Kandhamal O Gajapati Bikas Yojana	Scheme Component Name	Self/Personal Deposit
Project Sub-Category	CC Road	Project Type	Upgradation or Improvement
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.)	400000

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 (AR0103a) : Earth work in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume within 50m. Initial lead and 1.5m initial lift - Earth work in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layer not exceeding 0.3m in depth and as per specification approved by the department</p>	Cum	113.5941	312.915372	35545.340058505
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	15.93735	792.489632	12630.184636555

3	<p style="text-align: center;">Road Work (AR1307) : Supplying & spreading moorum and consolidation with HRR -</p> <p>Supplying & spreading moorum and consolidation with HRR including cost, conveyance, royalty, taxes cost of all labour & material, hire charges of T & P materials required for work as per specification and complete as per direction of Engineer-in-Charge.</p>	Cum	19.95	1511.5537286784	30155.496887134
4	<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 -</p> <p>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	116.49	216.55039071844	25225.955014791

5	<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	33.72165	5844.18594922	197075.59311451
6	<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	12.5721	7337.06815314	92242.354528091
Total Amount (in Rs.): 392874.92423959					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<p>Earth Work (AR0103a) : Earth work in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume within 50m. Initial lead and 1.5m initial lift - Earth work in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layer not exceeding 0.3m in depth and as per specification approved by the department</p>	-	113.5941	Cum
i	Un-Skilled	0.6706	76.17620346	-
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>	-	15.93735	Cum
i	Un-Skilled	0.1236	1.96985646	-

3	Road Work (AR1307) : Supplying & spreading moorum and consolidation with HRR - Supplying & spreading moorum and consolidation with HRR including cost, conveyance, royalty, taxes cost of all labour & material, hire charges of T & P materials required for work as per specification and complete as per direction of Engineer-in-Charge.	-	19.95	Cum
i	Un-Skilled	1.0600706713781	21.148409893993	-
4	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	-	116.49	Sqm
i	Semi-Skilled	0.05	5.8245	-
ii	Skilled	0.05	5.8245	-

5	<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>	-	33.72165	Cum
i	Skilled	0.18	6.069897	-
ii	Un-Skilled	3.9	131.514435	-
6	<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>	-	12.5721	Cum
i	Un-Skilled	4.6	57.83166	-

ii	Skilled	0.68	8.549028	-
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Sl.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	288.64056481399	462	133351.94094406
2	Semi-Skilled	5.8245	512	2982.144
3	Skilled	20.443425	562	11489.20485
Total: 147823.28979406				

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Earth Work (AR0103a) :-Earth work in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume within 50m. Initial lead and 1.5m initial lift - Earth work in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layer not exceeding 0.3m in depth and as per specification approved by the department	-	113.5941	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.	-	15.93735	Cum
i)	BRM029 : Sand for filling and road blinding	1	15.93735	1 Cum
3	Road Work (AR1307) :.Supplying & spreading moorum and consolidation with HRR - Supplying & spreading moorum and consolidation with HRR including cost, conveyance, royalty, taxes cost of all labour & material, hire charges of T & P materials required for work as per specification and complete as per direction of Engineer-in-Charge.	-	19.95	Cum
i)	BRM025 : Gravel or moorum	1.28	25.536	1 Cum
4	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	-	116.49	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.3110283	1Cum.

ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	14.67774	1Mtr.
5	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.	-	33.72165	Cum
i)	BRM340 : Cement	2.29	77.2225785	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	16.186392	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	32.372784	1 Cum.
6	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.	-	12.5721	Cum
i)	BRM340 : Cement	3.23	40.607883	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	5.657445	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	11.31489	1 Cum.
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SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	15.93735	1 Cum	413.05	6582.9224175
2	BRM025	25.536	1 Cum	472.09	12055.29024
3	BRM104	0.3110283	1Cum.	58668.206	18247.47237623
4	BRM092	14.67774	1Mtr.	324.226	4758.90492924
5	BRM340	117.8304615	1 Qntl.	594.647	70067.530439591
6	BRM028	21.843837	1 Cum	417.99	9130.50542763
7	BRM044	32.372784	1 Cum.	1596.76	51691.56657984
8	BRM056	11.31489	1 Cum.	1998.13	22608.6211557
Total: 195142.81356573					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	15.93735	1 Cum	314.49	5012.1372015
2	BRM025	25.536	1 Cum	314.5	8031.072
3	BRM028	21.843837	1 Cum	314.5	6869.8867365
4	BRM044	32.372784	1 Cum.	419	13564.196496
5	BRM056	11.31489	1 Cum.	419	4740.93891
Total: 38218.231344					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 3928.7492423959
2	Display Citizen Board @ Rs. 3196.32	Rs. 3196.32
Total Addition Component Amount (in Rs.): 7125.0692423959		

Total Net Amount (in Rs.): 399999.99348199