

ESTIMATION DPR							
State	Odisha	District	Bargarh	Block	Bheden	Gram Panchayat	Kubedega

Work Code	OD/347/3315/116442/380524/00065447 (Improvement of Road from Padhantikra Tarini Mandir to Saharamunda Bandha)						
Project Category	Road						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Bheden	Proposal Date	-
Date of Commencement	-	Date of Completion	
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	All Weather Connectivity
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.	30636
Fund Sanction Amount (in Rs.)	300000

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	3.5	240.77592	842.71572
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	23.8	564.249832	13429.1460016

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	29.05	5309.73730246	154247.86863646
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	15.841	6925.82260302	109711.95585444

5	<p 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	22.4	216.23489289764	4843.6616009071
6	<p align="center">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.</p>	Cum	8.4	1113.0481286784	9349.6042808986
Total Amount (in Rs.): 292424.95209431					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Meaurement 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>	-	3.5	Cum
i	Un-Skilled	0.516	1.806	-
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>	-	23.8	Cum
i	Un-Skilled	0.1236	2.94168	-

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>	-	29.05	Cum
i	Skilled	0.18	5.229	-
ii	Un-Skilled	3.9	113.295	-
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>	-	15.841	Cum
i	Un-Skilled	4.6	72.8686	-

	ii	Skilled	0.68	10.77188	-
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	-	22.4	Sqm
	i	Semi-Skilled	0.05	1.12	-
	ii	Skilled	0.05	1.12	-
6		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.	-	8.4	Cum
	i	Un-Skilled	1.0600706713781	8.904593639576	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
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1	Un-Skilled	199.81587363958	462	92314.933621484
2	Skilled	17.12088	562	9621.93456
3	Semi-Skilled	1.12	512	573.44
				Total: 102510.30818148

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	-	3.5	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.	-	23.8	Cum
i)	BRM029 : Sand for filling and road blinding	1	23.8	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>	-	29.05	Cum
i)	BRM340 : Cement	2.29	66.5245	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	13.944	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	27.888	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 specifaion and direction of Engineer-in charge.</p>	-	15.841	Cum
i)	BRM340 : Cement	3.23	51.16643	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	7.12845	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	14.2569	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	-	22.4	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.059808	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	2.8224	1Mtr.
6	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.	-	8.4	Cum
i)	BRM025 : Gravel or moorum	1.28	10.752	1 Cum

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	23.8	1 Cum	336.31	8004.178
2	BRM340	117.69093	1 Qntl.	631.067	74270.86212231

3	BRM028	21.07245	1 Cum	343.94	7247.658453
4	BRM044	27.888	1 Cum.	1224.19	34140.21072
5	BRM056	14.2569	1 Cum.	1672.63	23846.518647
6	BRM104	0.059808	1Cum.	58573.086	3503.139127488
7	BRM092	2.8224	1Mtr.	229.106	646.6287744
8	BRM025	10.752	1 Cum	338.09	3635.14368
Total: 155294.3395242					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	23.8	1 Cum	165.25	3932.95
2	BRM028	21.07245	1 Cum	165.25	3482.2223625
3	BRM044	27.888	1 Cum.	249.5	6958.056
4	BRM056	14.2569	1 Cum.	249.5	3557.09655
5	BRM025	10.752	1 Cum	140.25	1507.968
Total: 19438.2929125					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 3000	Rs. 3000
2	Display Citizen Board @ Rs. 4575	Rs. 4575
Total Addition Component Amount (in Rs.): 7575		

Total Net Amount (in Rs.): 299999.95209431