

ESTIMATION DPR							
State	Odisha	District	Balangir	Block	Belpara	Gram Panchayat	Madhyapur

Work Code	OD/345/3287/115834/420977/00062603 (IMPROVEMNT OF ROAD FROM KENKEBA TO RADBAHAL)						
Project Category	Road						

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Belpara	Proposal Date	01-07-2023
Date of Commencement	-	Date of Completion	
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	All Weather Connectivity
Project Sub-Category	BT Road	Project Type	New Work
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	OD/345/3287/115834/420977/00062603/TS
Fund Sanction No.	
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	4.478475	240.77592	1078.308938322
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	22.1236665	521.452092	11536.432179135

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	27.408267	5182.48419874	142042.91064235
4	<p style="text-align: center;">Concrete (AR0307) : First floor - 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>	Cum	17.9139	7051.27566858	126315.84719938

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	Sqm	68.60665	216.5756305441	14858.528483268
Total Amount (in Rs.): 295832.02744245					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement 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	-	4.478475	Cum
i	Un-Skilled	0.516	2.3108931	-

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.	-	22.1236665	Cum
i	Un-Skilled	0.1236	2.7344851794	-
3	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.	-	27.408267	Cum
i	Skilled	0.18	4.93348806	-
ii	Un-Skilled	3.9	106.8922413	-

4	<p>Concrete (AR0307) : First floor - 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>	-	17.9139	Cum
i	Un-Skilled	5.29	94.764531	-
ii	Skilled	0.782	14.0086698	-
5	<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>	-	68.60665	Sqm
i	Semi-Skilled	0.05	3.4303325	-
ii	Skilled	0.05	3.4303325	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
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1	Un-Skilled	206.7021505794	462	95496.393567683
2	Skilled	22.37249036	562	12573.33958232
3	Semi-Skilled	3.4303325	512	1756.33024
				Total: 109826.06339

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	-	4.478475	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.	-	22.1236665	Cum
i)	BRM029 : Sand for filling and road blinding	1	22.1236665	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>	-	27.408267	Cum
i)	BRM340 : Cement	2.29	62.76493143	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	13.15596816	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	26.31193632	1 Cum.
4	<p>Concrete (AR0307) :.First floor - 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 specification and direction of Engineer-in charge.</p>	-	17.9139	Cum
i)	BRM340 : Cement	3.23	57.861897	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	8.061255	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	16.12251	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	-	68.60665	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.1831797555	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	8.6444379	1Mtr.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	22.1236665	1 Cum	403.936	8936.545351344
2	BRM340	120.62682843	1 Qntl.	579.1082	69855.985483806
3	BRM028	21.21722316	1 Cum	408.876	8675.2133367682
4	BRM044	26.31193632	1 Cum.	1327.246	34922.412232975
5	BRM056	16.12251	1 Cum.	1728.616	27869.62874616
6	BRM104	0.1831797555	1Cum.	58675.8156	10748.221555371
7	BRM092	8.6444379	1Mtr.	331.8356	2868.5322372092
Total: 163876.53894363					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	22.1236665	1 Cum	55.25	1222.332574125
2	BRM028	21.21722316	1 Cum	55.25	1172.25157959
3	BRM044	26.31193632	1 Cum.	189.5	4986.11193264

4	BRM056	16.12251	1 Cum.	164.5	2652.152895
Total: 10032.848981355					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 2958.3202744245
2	Display Citizen Board @ Rs. 1209	Rs. 1209
Total Addition Component Amount (in Rs.): 4167.3202744245		

Total Net Amount (in Rs.): 299999.34771687