

ESTIMATION DPR							
State	Odisha	District	Dhenkanal	Block	Kamakhyana gar	Gram Panchayat	Tumsinga

Work Code	OD/352/3353/117364/402840/00062268 (Construction of Patiagoda Sahi CC Road)
Project Category	Road

Financial Year	2020-21	Execution Level	PS
Executing Agency	Panchayat Samiti, Kamakhyanagar	Proposal Date	-
Date of Commencement	23-12-2025	Date of Completion	27-02-2026
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	SUSAMA BEHERA		

Administrative Approval Details

Approval No.	OD/352/3353/117364/402840/00062268/AS
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Technical Sanction Details

Technical Sanction No.	OD/352/3353/117364/402840/00062268/TS
Fund Sanction No.	22117
Fund Sanction Amount (in Rs.)	500000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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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>	Cum	53.35	240.77592	195384.50588737
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>	Cum	33.55	1039.576032	195384.50588737

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>	Cum	39.93	6157.37911566	195384.50588737
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 specifcaion and direction of Engineer-in charge.</p>	Cum	25.74	7590.69564442	195384.50588737
Total Amount (in Rs.): 488971.82518127					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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>	-	53.35	Cum
i	Un-Skilled	0.516	27.5286	-
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>	-	33.55	Cum
i	Un-Skilled	0.1236	4.14678	-

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>	-	39.93	Cum
i	Skilled	0.18	7.1874	-
ii	Un-Skilled	3.9	155.727	-
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>	-	25.74	Cum
i	Un-Skilled	4.6	118.404	-

ii	Skilled	0.68	17.5032	-
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Sl.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	305.80638	462	141282.54756
1	Skilled	24.6906	562	13876.1172
				Total: 155158.66476

MATERIAL STATEMENT

Sl.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	-	53.35	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.	-	33.55	Cum
i)	BRM029 : Sand for filling and road blinding	1	33.55	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>	-	39.93	Cum
i)	BRM340 : Cement	2.29	91.4397	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	19.1664	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	38.3328	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>	-	25.74	Cum
i)	BRM340 : Cement	3.23	83.1402	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	11.583	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	23.166	1 Cum.
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Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	33.55	1 Cum	777.61	26088.8155
2	BRM340	174.5799	1 Qntl.	563.667	98404.9284933
3	BRM028	30.7494	1 Cum	782.55	24062.94297
4	BRM044	38.3328	1 Cum.	1949.16	74716.760448
5	BRM056	23.166	1 Cum.	2350.53	54452.37798
Total: 277725.8253913					

ROYALTY STATEMENT

Sl.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	-	53.35	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.	-	33.55	Cum

i)	BRM029 : Sand for filling and road blinding	1	33.55	1 Cum
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.	-	39.93	Cum
i)	BRM340 : Cement	2.29	91.4397	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	19.1664	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	38.3328	1 Cum.
4	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.	-	25.74	Cum
i)	BRM340 : Cement	3.23	83.1402	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	11.583	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	23.166	1 Cum.
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S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	33.55	1 Cum	194.57	6527.8235
2	BRM028	30.7494	1 Cum	194.57	5982.910758
3	BRM044	38.3328	1 Cum.	354.5	13588.9776
4	BRM056	23.166	1 Cum.	354.5	8212.347
Total: 34312.058858					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 4889.7182518127
2	Display Citizen Board @ Rs. 5000	Rs. 5000
3	Any Other Lumpsum @ Rs. 1138	Rs. 1138
Total Addition Component Amount (in Rs.): 11027.718251813		

Total Net Amount (in Rs.): 499999.54343309