

ESTIMATION DPR							
State	Odisha	District	Rayagada	Block	Kolnara	Gram Panchayat	Badakhilapadar

Work Code	OD/370/3553/121193/426262/00064615 (Construction of Protection wall at Langalpai)
Project Category	Road

Financial Year	2022-23	Execution Level	PS
Executing Agency	Panchayat Samiti, Kolnara	Proposal Date	-
Date of Commencement	18-11-2025	Date of Completion	20-12-2025
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance and improvement of Road infrastructure
Project Sub-Category	CC Road	Project Type	New Work
Name of Executant	Babulu Hembram		

Administrative Approval Details

Approval No.	OD/370/3553/121193/426262/00064615/AS
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Technical Sanction Details

Technical Sanction No.	OD/370/3553/121193/426262/00064615/TS
Fund Sanction No.	2644
Fund Sanction Amount (in Rs.)	220731

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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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	Cum	11.25	240.77592	29662.291498824
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.	Cum	1.5	778.511232	29662.291498824

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.	Cum	26.85	5482.40506224	29662.291498824
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 specifcaion and direction of Engineer-in charge.	Cum	5.145	6985.16857288	29662.291498824

5	R.C.C. Work (AR0410b) : centering and shuttering fRigid and smooth or R.C.C. works including false works and dismantling them after casting - 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. stairs excluding landing but including railing details for 5 Sqm	Sqm	32.3	918.337198106	29662.291498824
Total Amount (in Rs.): 216680.05567544					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	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	-	11.25	Cum
i	Un-Skilled	0.516	5.805	-

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.	-	1.5	Cum
i	Un-Skilled	0.1236	0.1854	-
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.	-	26.85	Cum
i	Skilled	0.18	4.833	-
ii	Un-Skilled	3.9	104.715	-

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.	-	5.145	Cum
i	Un-Skilled	4.6	23.667	-
ii	Skilled	0.68	3.4986	-
5	R.C.C. Work (AR0410b) : centering and shuttering fRigid and smooth or R.C.C. works including false works and dismantling them after casting - 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. stairs excluding landing but including railing details for 5 Sqm	-	32.3	Sqm
i	Semi-Skilled	0.55	17.765	-
ii	Skilled	0.55	17.765	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	134.3724	462	62080.0488
1	Skilled	26.0966	562	14666.2892
2	Semi-Skilled	17.765	512	9095.68
				Total: 85842.018

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	-	11.25	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.	-	1.5	Cum
i)	BRM029 : Sand for filling and road blinding	1	1.5	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.	-	26.85	Cum
i)	BRM340 : Cement	2.29	61.4865	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	12.888	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	25.776	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 specifcaion and direction of Engineer-in charge.	-	5.145	Cum
i)	BRM340 : Cement	3.23	16.61835	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.31525	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	4.6305	1 Cum.
5	R.C.C. Work (AR0410b) :.centering and shuttering fRigid and smooth or R.C.C. works including false works and dismantling them after casting - 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. stairs excluding landing but including railing details for 5 Sqm	-	32.3	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.13	4.199	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00534	0.172482	1Cum.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	1.5	1 Cum	673.45	1010.175
2	BRM340	78.10485	1 Qntl.	555.642	43398.3350637
3	BRM028	15.20325	1 Cum	678.39	10313.7327675
4	BRM044	25.776	1 Cum.	1551.51	39991.72176
5	BRM056	4.6305	1 Cum.	1998.13	9252.340965
6	BRM094	4.199	1Mtr.	240.106	1008.205094
7	BRM104	0.172482	1Cum.	58573.086	10102.803019452
Total: 115077.31366965					

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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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	-	11.25	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.	-	1.5	Cum
i)	BRM029 : Sand for filling and road blinding	1	1.5	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.	-	26.85	Cum
i)	BRM340 : Cement	2.29	61.4865	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	12.888	1 Cum

iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	25.776	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.	-	5.145	Cum
i)	BRM340 : Cement	3.23	16.61835	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.31525	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	4.6305	1 Cum.
5	R.C.C. Work (AR0410b) :.centering and shuttering fRigid and smooth or R.C.C. works including false works and dismantling them after casting - 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. stairs excluding landing but including railing details for 5 Sqm	-	32.3	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.00166	0.053618	1Mtr.

ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00534	0.172482	1Cum.
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S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	1.5	1 Cum	40.25	60.375
2	BRM028	15.20325	1 Cum	152.25	2314.6948125
3	BRM044	25.776	1 Cum.	159.5	4111.272
4	BRM056	4.6305	1 Cum.	159.5	738.56475
					Total: 7224.9065625

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 2166.8005567544
2	Display Citizen Board @ Rs. 1880	Rs. 1880
		Total Addition Component Amount (in Rs.): 4046.8005567544

Total Net Amount (in Rs.): 220726.85623219