

ESTIMATION DPR							
State	Odisha	District	Cuttack	Block	Cuttacksadar	Gram Panchayat	Jasapada

Work Code	OD/350/3337/116961/399948/00064484 (Construction of CC road Kosida Sahara Sahi Gada ,Jasapada GP.)						
Project Category	Road						

Financial Year	2020-21	Execution Level	PS
Executing Agency	Panchayat Samiti, Cuttacksadar	Proposal Date	-
Date of Commencement	15-11-2025	Date of Completion	19-11-2025
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	Samata Debata		

Administrative Approval Details

Approval No.	OD/350/3337/116961/399948/00064484/AS
---------------------	---------------------------------------

Technical Sanction Details

Technical Sanction No.	OD/350/3337/116961/399948/00064484/TS
Fund Sanction No.	22117
Fund Sanction Amount (in Rs.)	137000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
-----	----------------	------	----------	---------------------	----------------

1	<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	1.11051	588.227232	9233.7222954997
2	<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	3.402	6060.21693386	9233.7222954997

3	<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>	Cum	13.4444	7524.48725582	9233.7222954997
4	<p>R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for 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. beams, column, grider and bressmer, etc. Data for 4.2sqm</p>	Sqm	8.816	1047.3822930467	9233.7222954997
Total Amount (in Rs.): 131666.02899005					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	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.	-	1.11051	Cum
	i Un-Skilled	0.1236	0.137259036	-
2	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.	-	3.402	Cum
	i Skilled	0.18	0.61236	-
	ii Un-Skilled	3.9	13.2678	-

3	<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>	-	13.4444	Cum
i	Un-Skilled	4.6	61.84424	-
ii	Skilled	0.68	9.142192	-
4	<p>R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for 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. beams, column, grider and bressmer, etc. Data for 4.2sqm</p>	-	8.816	Sqm
i	Semi-Skilled	0.6547619047619	5.772380952381	-
ii	Skilled	0.6547619047619	5.772380952381	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	75.249299036	462	34765.176154632
1	Skilled	15.526932952381	562	8726.1363192381
2	Semi-Skilled	5.772380952381	512	2955.459047619
Total: 46446.771521489				

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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.	-	1.11051	Cum
i)	BRM029 : Sand for filling and road blinding	1	1.11051	1 Cum
2	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.	-	3.402	Cum
i)	BRM340 : Cement	2.29	7.79058	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	1.63296	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	3.26592	1 Cum.
3	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.	-	13.4444	Cum
i)	BRM340 : Cement	3.23	43.425412	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	6.04998	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	12.09996	1 Cum.
4	R.C.C. Work (AR0410d) :.Rigid and smooth centering and shuttering for 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. beams, column, grider and bressmer, etc. Data for 4.2sqm	-	8.816	Sqm

i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	4.8697904761905	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.045759238095238	1Cum.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	1.11051	1 Cum	413.05	458.6961555
2	BRM340	51.215992	1 Qntl.	563.767	28873.886161864
3	BRM028	7.68294	1 Cum	417.99	3211.3920906
4	BRM044	3.26592	1 Cum.	2167.11	7077.6078912
5	BRM056	12.09996	1 Cum.	2595.71	31407.9871716
6	BRM084	4.8697904761905	1Mtr	250.166	1218.2560042667
7	BRM104	0.045759238095238	1Cum.	58573.086	2680.2597882469
Total: 74928.085263278					

ROYALTY STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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.	-	1.11051	Cum
i)	BRM029 : Sand for filling and road blinding	1	1.11051	1 Cum

2	<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>	-	3.402	Cum
i)	BRM340 : Cement	2.29	7.79058	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	1.63296	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	3.26592	1 Cum.
3	<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>	-	13.4444	Cum
i)	BRM340 : Cement	3.23	43.425412	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	6.04998	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	12.09996	1 Cum.
4	R.C.C. Work (AR0410d) :.Rigid and smooth centering and shuttering for 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. beams, column, grider and bressmer, etc. Data for 4.2sqm	-	8.816	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.0056666666666667	0.0499573333333333	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.045759238095238	1Cum.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	1.11051	1 Cum	112.25	124.6547475
2	BRM028	7.68294	1 Cum	112.25	862.410015
3	BRM044	3.26592	1 Cum.	259.5	847.50624
4	BRM056	12.09996	1 Cum.	259.5	3139.93962
Total: 4974.5106225					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 1370	Rs. 1370
2	Display Citizen Board @ Rs. 3950	Rs. 3950
Total Addition Component Amount (in Rs.): 5320		

Total Net Amount (in Rs.): 136986.02899005