

ESTIMATION DPR							
State	Odisha	District	Jagatsinghpur	Block	Jagatsinghpur	Gram Panchayat	Taradapara

Work Code	OD/355/3389/118143/397936/00016320 (Improvement of Road from Jaypur road to Taradapada ITI.)
Project Category	Road

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Jagatsinghpur	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	Upgradation or Improvement
Name of Executant			

Administrative Approval Details

Approval No.	
---------------------	--

Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	213640

ACTIVITY STATEMENT

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

1	<p style="text-align: center;">Earth Work (AR0101aa) : Earthwork in ordinary soil in foundation and plinth within 50m, initial lead and 1.5m, initial lift - Earthwork in ordinary soil in foundation and 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 direction of the Engineer-in-charge per 100 cum</p>	Cum	1.2954936	179.18208	232.12923787469
2	<p style="text-align: center;">Earth Work (AR0115a) : Filling foundation and plinth with crusher dust well watered and rammed - Filling foundation and plinth with crusher dust 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	7.3411304	591.317832	4340.9413125573

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	8.29115904	6636.99065678	55028.345082357
---	---	-----	------------	---------------	-----------------

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>	Cum	17.24068368	8168.81968886	140836.03629459
---	--	-----	-------------	---------------	-----------------

5	<p style="text-align: center;">R.C.C.</p> <p>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	38.11995896	216.23489289764	8242.865242978
Total Amount (in Rs.): 208680.31717036					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
--------	---------------	---	---------------------------	------

1	<p>Earth Work (AR0101aa) : Earthwork in ordinary soil in foundation and plinth within 50m, initial lead and 1.5m, initial lift -</p> <p>Earthwork in ordinary soil in foundation and 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 direction of the Engineer-in-charge per 100 cum</p>	-	1.2954936	Cum
i	Un-Skilled	0.384	0.4974695424	-
2	<p>Earth Work (AR0115a) : Filling foundation and plinth with crusher dust well watered and rammed -</p> <p>Filling foundation and plinth with crusher dust 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>	-	7.3411304	Cum
i	Un-Skilled	0.1236	0.90736371744	-

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.	-	8.29115904	Cum
i	Skilled	0.18	1.4924086272	-
ii	Un-Skilled	3.9	32.335520256	-

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>	-	17.24068368	Cum
i	Un-Skilled	4.6	79.307144928	-
ii	Skilled	0.68	11.7236649024	-

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	-	38.11995896	Sqm
i	Semi-Skilled	0.05	1.905997948	-
ii	Skilled	0.05	1.905997948	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
2	Un-Skilled	113.04749844384	462	52227.944281054
4	Skilled	15.1220714776	562	8498.6041704112
3	Semi-Skilled	1.905997948	512	975.870949376
Total: 61702.419400841				

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
--------	------------------------	---	---------------------------	------

1	<p>Earth Work (AR0101aa) :.Earthwork in ordinary soil in foundation and plinth within 50m, initial lead and 1.5m, initial lift -</p> <p>Earthwork in ordinary soil in foundation and 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 direction of the Engineer-in-charge per 100 cum</p>	-	1.2954936	Cum
2	<p>Earth Work (AR0115a) :.Filling foundation and plinth with crusher dust well watered and rammed -</p> <p>Filling foundation and plinth with crusher dust 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>	-	7.3411304	Cum
i)	<p>BRM026 : Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve</p>	1	7.3411304	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>	-	8.29115904	Cum
i)	BRM340 : Cement	2.29	18.9867542016	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	3.9797563392	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	7.9595126784	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>	-	17.24068368	Cum

i)	BRM340 : Cement	3.23	55.6874082864	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	7.758307656	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	15.516615312	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	-	38.11995896	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.1017802904232	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	4.80311482896	1Mtr.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM026	7.3411304	1 Cum	451.11	3311.657334744
2	BRM340	74.674162488	1 Qntl.	613.327	45799.680056278
3	BRM028	11.7380639952	1 Cum	412.82	4845.7075784985
4	BRM044	7.9595126784	1 Cum.	2317.16	18443.464397881

5	BRM056	15.516615312	1 Cum.	2718.53	42182.384224131
6	BRM104	0.1017802904232	1Cum.	58573.086	5961.5857040631
7	BRM092	4.80311482896	1Mtr.	229.106	1100.4224260037
Total: 121644.9017216					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM026	7.3411304	1 Cum	77.25	567.1023234
2	BRM028	11.7380639952	1 Cum	77.25	906.7654436292
3	BRM044	7.9595126784	1 Cum.	444.5	3538.0033855488
4	BRM056	15.516615312	1 Cum.	444.5	6897.135506184
Total: 11909.006658762					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 2086.8031717036
2	Display Citizen Board @ Rs. 2872	Rs. 2872
Total Addition Component Amount (in Rs.): 4958.8031717036		

Total Net Amount (in Rs.): 213639.12034206