

ESTIMATION DPR							
State	Odisha	District	Balangir	Block	Balangir	Gram Panchayat	Baidipali

Work Code	OD/345/3285/115777/420277/00014433 (IMPROVEMENT OF ROAD FROM PRATAPRUDRAPUR FOREST ROAD TO PUMP HOUSE)						
Project Category	CD Work						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Balangir	Proposal Date	28-02-2024
Date of Commencement	-	Date of Completion	
Scheme Name	SFC Devolution of Fund	Scheme Component Name	5TH SFC DEVOLUTION GRANT TO PANCHAYAT SAMITI
Project Sub-Category	Slab Culvert	Project Type	New Work
Name of Executant			

Administrative Approval Details

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

Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	15384
Fund Sanction Amount (in Rs.)	400000

ACTIVITY STATEMENT

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

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	40.9460928	240.77592	9858.8331643254
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	7.220784	686.399232	4956.3405920379

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	45.165296	5442.49092476	245811.7135941
---	---	-----	-----------	---------------	----------------

4	<p style="text-align: center;">R.C.C.</p> <p>Work (AR0404A) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips -</p> <p>Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite 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 and as per direction of Engineer-in charge. (excluding centring and shuttering)</p>	Cum	7.353306624	5715.6925579452	42029.239947086
---	---	-----	-------------	-----------------	-----------------

5	<p style="text-align: center;">R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position -</p> <p>Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in- charge.</p>	Qntl	6.25	8907.7722044	55673.5762775
---	--	------	------	--------------	---------------

6	<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	62.430816	216.23489289764	13499.720811272
---	---	-----	-----------	-----------------	-----------------

7	<p style="text-align: center;">R.C.C. Work (AR0410a) : Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas - 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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height</p>	Sqm	22.29672	662.689943368	14775.812114092
Total Amount (in Rs.): 386605.23650041					

LABOUR STATEMENT

Sl.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>	-	40.9460928	Cum
i	Un-Skilled	0.516	21.1281838848	-
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>	-	7.220784	Cum
i	Un-Skilled	0.1236	0.8924889024	-

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.	-	45.165296	Cum
i	Skilled	0.18	8.12975328	-
ii	Un-Skilled	3.9	176.1446544	-

4	R.C.C. Work (AR0404A) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite 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 and as per direction of Engineer-in charge. (excluding centring and shuttering)	-	7.353306624	Cum
i	Un-Skilled	1.3333	9.8041637217792	-
ii	Skilled	0.1	0.7353306624	-
iii	Semi-Skilled	0.0573	0.4213444695552	-

5	R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position - Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.	-	6.25	Qntl
i	Un-Skilled	0.8	5	-
ii	Highly-Skilled	0.3	1.875	-
iii	Semi-Skilled	0.044	0.275	-

6	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	-	62.430816	Sqm
i	Semi-Skilled	0.05	3.1215408	-
ii	Skilled	0.05	3.1215408	-

7	R.C.C. Work (AR0410a) : Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas - 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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height	-	22.29672	Sqm
i	Semi-Skilled	0.305555555555556	6.81288666666667	-
ii	Skilled	0.305555555555556	6.81288666666667	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	212.96949090898	462	98391.904799948
2	Skilled	18.799511409067	562	10565.325411895
3	Semi-Skilled	10.630771936222	512	5442.9552313456
4	Highly-Skilled	1.875	612	1147.5
Total:				115547.68544319

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	-	40.9460928	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.	-	7.220784	Cum
i)	BRM029 : Sand for filling and road blinding	1	7.220784	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.	-	45.165296	Cum
i)	BRM340 : Cement	2.29	103.42852784	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	21.67934208	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	43.35868416	1 Cum.

4	R.C.C. Work (AR0404A) :.Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite 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 and as per direction of Engineer-in charge. (excluding centring and shuttering)	-	7.353306624	Cum
i)	BRM340 : Cement	3.4733	25.540239897139	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.3089879808	1 Cum
iii)	BRM060 : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	2.64719038464	1 Cum.
iv)	BRM052 : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	3.97078557696	1 Cum.

5	R.C.C. Work (AR0409) :.Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position - Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.	-	6.25	Qntl
i)	BRM162 : Binding Wire.	0.8	5	1 Kg.
ii)	BRM341 : Steel	1.05	6.5625	1 Qntl.
6	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	-	62.430816	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.16669027872	1Cum.

ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	7.866282816	1Mtr.
7	R.C.C. Work (AR0410a) :.Centring & Shuttering for R.C.C. floor and roof slabs, landings,balconies, projecting sun shades and chajjas - 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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height	-	22.29672	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.6222222222222222	13.873514666667	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.005022222222222222	0.11197908266667	1Cum.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	7.220784	1 Cum	543.25	3922.690908
2	BRM340	128.96876773714	1 Qntl.	574.59	74104.164254083
3	BRM028	24.9883300608	1 Cum	548.19	13698.35265603
4	BRM044	43.35868416	1 Cum.	1336.36	57942.811164058
5	BRM060	2.64719038464	1 Cum.	1741.11	4609.0496506006
6	BRM052	3.97078557696	1 Cum.	1723.4	6843.2518633329
7	BRM162	5	1 Kg.	90	450
8	BRM341	6.5625	1 Qntl.	6600.57	43316.240625
9	BRM104	0.2786693613866 7	1Cum.	58573.086	16322.524470066
10	BRM092	7.866282816	1Mtr.	229.106	1802.2125908425

11	BRM084	13.873514666667	1Mtr	250.166	3470.6816701013
					Total: 226481.97985211

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	7.220784	1 Cum	79.25	572.247132
2	BRM028	24.9883300608	1 Cum	79.25	1980.3251573184
3	BRM044	43.35868416	1 Cum.	248.5	10774.63301376
4	BRM060	2.64719038464	1 Cum.	248.5	657.82681058304
5	BRM052	3.97078557696	1 Cum.	248.5	986.74021587456
					Total: 14971.772329536

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 4000	Rs. 4000
2	Display Citizen Board @ Rs. 3000	Rs. 3000
3	Any Other Lumpsum @ Rs. 4894	Rs. 4894
4	Provision for survey investigation and quality control @ Rs. 1500	Rs. 1500
		Total Addition Component Amount (in Rs.): 13394

Total Net Amount (in Rs.): 399999.23650041