ESTIMATION DPR							
State	Odisha	**District**	Sundargarh	**Block**	Gurundia	**Gram Panchayat**	Kundheidiha

Work Code	OD/373/3577/121585/385038/00026880 (Imp. of Road (CC/ Gr-II Meatlling) with culvert at Majhisahi Pada House to Bandhadhipa)
Project Category	Road

Financial Year	2024-25	**Execution Level**	PS
Executing Agency	Panchayat Samiti, Gurundia	**Proposal Date**	-
Date of Commencement	30-12-2025	**Date of Completion**	22-01-2026
Scheme Name	5th SFC Grant in Aid	**Scheme Component Name**	Maintenance and improvement of Road infrastructure
Project Sub-Category	CC Road	**Project Type**	Upgradation or Improvement
Name of Executant	Sumanti Kullu		

Administrative Approval Details

Approval No.	OD/373/3577/121585/385038/00026880/AS

Technical Sanction Details

Technical Sanction No.	OD/373/3577/121585/385038/00026880/TS
Fund Sanction No.	1130
Fund Sanction Amount (in Rs.)	330000

ACTIVITY STATEMENT

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

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	36.792	240.77592	5888.662854719
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	5.841	993.641232	5888.662854719

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	32.17075	6135.31499502	5888.662854719

4	**R.C.C. Work (AR0404Ag) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)	Cum	5.022	12910.675756722	5888.662854719

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.	Qntl	4.99631	8515.2896283	5888.662854719
6	**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.	Cum	0.777	7578.71667274	5888.662854719

Total Amount (in Rs.): 325311.27418854

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	-	36.792	Cum
i	Un-Skilled	0.516	18.984672	-
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.	-	5.841	Cum
i	Un-Skilled	0.1236	0.7219476	-

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.	-	32.17075	Cum
i	Skilled	0.18	5.790735	-
ii	Un-Skilled	3.9	125.465925	-

4	**R.C.C. Work (AR0404Ag) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)	-	5.022	Cum
i	Un-Skilled	1.3333	6.6958326	-
ii	Skilled	3.15525	15.8456655	-
iii	Semi-Skilled	3.11255	15.6312261	-

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.	-	4.99631	Qntl
i	Un-Skilled	0.8	3.997048	-
ii	Highly-Skilled	0.3	1.498893	-
iii	Semi-Skilled	0.044	0.21983764	-
6	**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.	-	0.777	Cum

i	Un-Skilled	4.6	3.5742	-
ii	Skilled	0.68	0.52836	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	159.4396252	462	73661.1068424
1	Skilled	22.1647605	562	12456.595401
2	Semi-Skilled	15.85106374	512	8115.74463488
3	Highly-Skilled	1.498893	612	917.322516
				Total: 95150.76939428

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	-	**36.792**	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.	-	**5.841**	Cum
i)	**BRM029 :** Sand for filling and road blinding	1	5.841	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.	-	**32.17075**	Cum
i)	**BRM340 :** Cement	2.29	73.6710175	1 Qntl.
ii)	**BRM028 :** Screened and washed sharp sand for mortar	0.48	15.44196	1 Cum
iii)	**BRM044 :** Granite Stone broken metal 40mm. size (Crusher broken)	0.96	30.88392	1 Cum.

4	**R.C.C. Work (AR0404Ag) :.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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)	-	**5.022**	Cum
i)	**BRM340 :** Cement	3.4733	17.4429126	1 Qntl.
ii)	**BRM028 :** Screened and washed sharp sand for mortar	0.45	2.2599	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	1.80792	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	2.71188	1 Cum.
v)	**BRM084 :** Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	6.2216	31.2448752	1Mtr
vi)	**BRM104 :** Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.2521907784	1Cum.

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.	-	**4.99631**	Qntl
i)	**BRM162 :** Binding Wire.	0.8	3.997048	1 Kg.
ii)	**BRM341 :** Steel	1.05	5.2461255	1 Qntl.
6	**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.	-	**0.777**	Cum
i)	**BRM340 :** Cement	3.23	2.50971	1 Qntl.
ii)	**BRM028 :** Screened and washed sharp sand for mortar	0.45	0.34965	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	0.6993	1 Cum.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	**BRM029**	5.841	1 Cum	673.45	3933.62145
2	**BRM340**	93.6236401	1 Qntl.	573.132	53658.704097793
3	**BRM028**	18.05151	1 Cum	678.39	12245.9638689
4	**BRM044**	30.88392	1 Cum.	2041.16	63039.0221472
5	**BRM060**	1.80792	1 Cum.	2435.91	4403.9304072
6	**BRM052**	2.71188	1 Cum.	2428.2	6584.987016
7	**BRM084**	31.2448752	1Mtr	250.166	7816.4054492832
8	**BRM104**	0.2521907784	1Cum.	58573.086	14771.59215163
9	**BRM162**	3.997048	1 Kg.	90.1	360.1340248
10	**BRM341**	5.2461255	1 Qntl.	6297.612	33038.062902306
11	**BRM056**	0.6993	1 Cum.	2442.53	1708.061229
					Total: 201560.48474411

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	-	**36.792**	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.	-	**5.841**	Cum
i)	**BRM029 :** Sand for filling and road blinding	1	5.841	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.	-	**32.17075**	Cum
i)	**BRM340 :** Cement	2.29	73.6710175	1 Qntl.
ii)	**BRM028 :** Screened and washed sharp sand for mortar	0.48	15.44196	1 Cum
iii)	**BRM044 :** Granite Stone broken metal 40mm. size (Crusher broken)	0.96	30.88392	1 Cum.

4	**R.C.C. Work (AR0404Ag) :.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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)	-	**5.022**	Cum
i)	**BRM340 :** Cement	3.4733	17.4429126	1 Qntl.
ii)	**BRM028 :** Screened and washed sharp sand for mortar	0.45	2.2599	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	1.80792	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	2.71188	1 Cum.
v)	**BRM084 :** Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.076659	0.384981498	1Mtr
vi)	**BRM104 :** Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.2521907784	1Cum.

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.	-	**4.99631**	Qntl
i)	**BRM341 :** Steel	1.05	5.2461255	1 Qntl.
6	**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.	-	**0.777**	Cum
i)	**BRM340 :** Cement	3.23	2.50971	1 Qntl.
ii)	**BRM028 :** Screened and washed sharp sand for mortar	0.45	0.34965	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	0.6993	1 Cum.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount

1	**BRM029**	5.841	1 Cum	253.25	1479.23325
2	**BRM028**	18.05151	1 Cum	253.25	4571.5449075
3	**BRM044**	30.88392	1 Cum.	243.5	7520.23452
4	**BRM060**	1.80792	1 Cum.	243.5	440.22852
5	**BRM052**	2.71188	1 Cum.	243.5	660.34278
6	**BRM056**	0.6993	1 Cum.	243.5	170.27955
					Total: 14841.8635275

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 1688	Rs. 1688
2	Display Citizen Board @ Rs. 3000	Rs. 3000
		Total Addition Component Amount (in Rs.): 4688

Total Net Amount (in Rs.): 329999.27418854