ESTIMATION DPR							
State	Odisha	**District**	Sambalpur	**Block**	Jamankira	**Gram Panchayat**	Jamankira

Work Code	OD/371/3560/121318/381932/00026703 (Imp. of Road with Gr-II Metalling from NH 53 to Naikdihi pada)
Project Category	Road

Financial Year	2024-25	**Execution Level**	PS
Executing Agency	Panchayat Samiti, Jamankira	**Proposal Date**	19-07-2024
Date of Commencement	08-12-2025	**Date of Completion**	-
Scheme Name	5th SFC Grant in Aid	**Scheme Component Name**	Maintenance and improvement of Road infrastructure
Project Sub-Category	Mettalling Road	**Project Type**	Upgradation or Improvement
Name of Executant	AJIT KUMAR BEHERA		

Administrative Approval Details

Approval No.	OD/371/3560/121318/381932/00026703/AS

Technical Sanction Details

Technical Sanction No.	OD/371/3560/121318/381932/00026703/TS
Fund Sanction No.	1130
Fund Sanction Amount (in Rs.)	1000000

ACTIVITY STATEMENT

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

1	**Road Work (AR1307) : Supplying & spreading moorum and consolidation with HRR -** Supplying & spreading moorum and consolidation with HRR including cost, conveyance, royalty, taxes cost of all labour & material, hire charges of T & P materials required for work as per specification and complete as per direction of Engineer-in-Charge.	Cum	144	1013.3991046784	11676.684216473
2	**Road Work (AR1305) : Filler materials laterite moorum and consolidation with H.R.R. -** Supplying & spreading metal to proper camber and consolidation with filler materials laterite moorum and consolidation with H.R.R. including watering and turf edging including cost, conveyance, royalty, and taxes, etc. required for work as per specification and direction of Engineer-in-Charge.	Cum	144	2399.1766411307	11676.684216473

3	**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	50.22	240.77592	11676.684216473
4	**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	29.34	602.528832	11676.684216473

5	**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	64.005	5833.9040563	11676.684216473

6	**R.C.C. Work (AR0404Aa) : 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 foundation, footing bases of column, mass concreate, pre-cast slabs etc.)	Cum	2.25	5911.2223430375	11676.684216473

7	**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	3	8907.192323	11676.684216473
8	**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	Sqm	54	216.23489289764	11676.684216473
					Total Amount (in Rs.): 946278.41061058

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Meaurement Qty)	Unit
1	**Road Work (AR1307) : Supplying & spreading moorum and consolidation with HRR -** Supplying & spreading moorum and consolidation with HRR including cost, conveyance, royalty, taxes cost of all labour & material, hire charges of T & P materials required for work as per specification and complete as per direction of Engineer-in-Charge.	-	144	Cum
i	Un-Skilled	1.0600706713781	152.65017667845	-
2	**Road Work (AR1305) : Filler materials laterite moorum and consolidation with H.R.R. -** Supplying & spreading metal to proper camber and consolidation with filler materials laterite moorum and consolidation with H.R.R. including watering and turf edging including cost, conveyance, royalty, and taxes, etc. required for work as per specification and direction of Engineer-in-Charge.	-	144	Cum
i	Un-Skilled	1.7667844522968	254.41696113074	-

3	**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	-	50.22	Cum
i	Un-Skilled	0.516	25.91352	-
4	**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.	-	29.34	Cum
i	Un-Skilled	0.1236	3.626424	-

5	**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.	-	64.005	Cum
i	Skilled	0.18	11.5209	-
ii	Un-Skilled	3.9	249.6195	-

6	**R.C.C. Work (AR0404Aa) : 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 foundation, footing bases of column, mass concreate, pre-cast slabs etc.)	-	2.25	Cum
i	Un-Skilled	1.3333	2.999925	-
ii	Skilled	0.175	0.39375	-
iii	Semi-Skilled	0.1323	0.297675	-

7	**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.	-	3	Qntl
i	Un-Skilled	0.8	2.4	-
ii	Highly-Skilled	0.3	0.9	-
iii	Semi-Skilled	0.044	0.132	-
8	**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	-	54	Sqm
i	Semi-Skilled	0.05	2.7	-

ii	Skilled	0.05	2.7	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	691.62650680919	462	319531.44614584
1	Skilled	14.61465	562	8213.4333
2	Semi-Skilled	3.129675	512	1602.3936
3	Highly-Skilled	0.9	612	550.8
				Total: 329898.07304584

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	**Road Work (AR1307) :.Supplying & spreading moorum and consolidation with HRR -** Supplying & spreading moorum and consolidation with HRR including cost, conveyance, royalty, taxes cost of all labour & material, hire charges of T & P materials required for work as per specification and complete as per direction of Engineer-in-Charge.	-	**144**	Cum
i)	**BRM025 :** Gravel or moorum	1.28	184.32	1 Cum

2	**Road Work (AR1305) :.Filler materials laterite moorum and consolidation with H.R.R. -** Supplying & spreading metal to proper camber and consolidation with filler materials laterite moorum and consolidation with H.R.R. including watering and turf edging including cost, conveyance, royalty, and taxes, etc. required for work as per specification and direction of Engineer-in-Charge.	-	**144**	Cum
i)	**BRM041 :** Granite Stone broken metal 63mm. size Passing through 90mm. Sieve and retained on 53 mm sieve (Hand broken)	1	144	1 Cum.
ii)	**BRM025 :** Gravel or moorum	0.3	43.2	1 Cum
3	**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	-	**50.22**	Cum
4	**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.	-	**29.34**	Cum

i)	**BRM029 :** Sand for filling and road blinding	1	29.34	1 Cum
5	**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.	-	**64.005**	Cum
i)	**BRM340 :** Cement	2.29	146.57145	1 Qntl.
ii)	**BRM028 :** Screened and washed sharp sand for mortar	0.48	30.7224	1 Cum
iii)	**BRM044 :** Granite Stone broken metal 40mm. size (Crusher broken)	0.96	61.4448	1 Cum.

6	**R.C.C. Work (AR0404Aa) :.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 foundation, footing bases of column, mass concreate, pre-cast slabs etc.)	-	**2.25**	Cum
i)	**BRM340 :** Cement	3.4733	7.814925	1 Qntl.
ii)	**BRM028 :** Screened and washed sharp sand for mortar	0.45	1.0125	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	0.81	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	1.215	1 Cum.
v)	**BRM104 :** Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.00901125	1Cum.
vi)	**BRM092 :** Non-sal bullahs 75mm. mean dia of any length.	0.189	0.42525	1Mtr.

7	**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.	-	**3**	Qntl
i)	**BRM162 :** Binding Wire.	0.8	2.4	1 Kg.
ii)	**BRM341 :** Steel	1.05	3.15	1 Qntl.
8	**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	-	**54**	Sqm
i)	**BRM104 :** Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.14418	1Cum.
ii)	**BRM092 :** Non-sal bullahs 75mm. mean dia of any length.	0.126	6.804	1Mtr.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	**BRM025**	227.52	1 Cum	338.01	76904.0352
2	**BRM041**	144	1 Cum.	1237.29	178169.76
3	**BRM029**	29.34	1 Cum	476.21	13972.0014

4	**BRM340**	154.386375	1 Qntl.	562.787	86886.644827125
5	**BRM028**	31.7349	1 Cum	483.09	15330.812841
6	**BRM044**	61.4448	1 Cum.	1486.41	91332.165168
7	**BRM060**	0.81	1 Cum.	1955.08	1583.6148
8	**BRM052**	1.215	1 Cum.	1918.7	2331.2205
9	**BRM104**	0.15319125	1Cum.	58573.086	8972.8842606975
10	**BRM092**	7.22925	1Mtr.	229.106	1656.2645505
11	**BRM162**	2.4	1 Kg.	90	216
12	**BRM341**	3.15	1 Qntl.	6598.837	20786.33655
					Total: 498141.74009732

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	**Road Work (AR1307) :.Supplying & spreading moorum and consolidation with HRR -** Supplying & spreading moorum and consolidation with HRR including cost, conveyance, royalty, taxes cost of all labour & material, hire charges of T & P materials required for work as per specification and complete as per direction of Engineer-in-Charge.	-	**144**	Cum
i)	**BRM025 :** Gravel or moorum	1.28	184.32	1 Cum
2	**Road Work (AR1305) :.Filler materials laterite moorum and consolidation with H.R.R. -** Supplying & spreading metal to proper camber and consolidation with filler materials laterite moorum and consolidation with H.R.R. including watering and turf edging including cost, conveyance, royalty, and taxes, etc. required for work as per specification and direction of Engineer-in-Charge.	-	**144**	Cum

i)	**BRM041 :** Granite Stone broken metal 63mm. size Passing through 90mm. Sieve and retained on 53 mm sieve (Hand broken)	1	144	1 Cum.
ii)	**BRM025 :** Gravel or moorum	0.3	43.2	1 Cum
3	**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	-	**50.22**	Cum
4	**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.	-	**29.34**	Cum
i)	**BRM029 :** Sand for filling and road blinding	1	29.34	1 Cum

5	**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.	-	**64.005**	Cum
i)	**BRM340 :** Cement	2.29	146.57145	1 Qntl.
ii)	**BRM028 :** Screened and washed sharp sand for mortar	0.48	30.7224	1 Cum
iii)	**BRM044 :** Granite Stone broken metal 40mm. size (Crusher broken)	0.96	61.4448	1 Cum.
6	**R.C.C. Work (AR0404Aa) :.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 foundation, footing bases of column, mass concreate, pre-cast slabs etc.)	-	**2.25**	Cum

i)	**BRM340 :** Cement	3.4733	7.814925	1 Qntl.
ii)	**BRM028 :** Screened and washed sharp sand for mortar	0.45	1.0125	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	0.81	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	1.215	1 Cum.
v)	**BRM104 :** Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.00901125	1Cum.
vi)	**BRM092 :** Non-sal bullahs 75mm. mean dia of any length.	0.000921	0.00207225	1Mtr.
7	**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.	-	**3**	Qntl
i)	**BRM341 :** Steel	1.05	3.15	1 Qntl.

8	**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	-	**54**	Sqm
i)	**BRM104 :** Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.14418	1Cum.
ii)	**BRM092 :** Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.033156	1Mtr.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	**BRM025**	227.52	1 Cum	63.25	14390.64
2	**BRM041**	144	1 Cum.	201.5	29016
3	**BRM029**	29.34	1 Cum	63.25	1855.755
4	**BRM028**	31.7349	1 Cum	63.25	2007.232425
5	**BRM044**	61.4448	1 Cum.	701.5	43103.5272
6	**BRM060**	0.81	1 Cum.	201.5	163.215
7	**BRM052**	1.215	1 Cum.	201.5	244.8225
					Total: 90781.192125

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 20000	Rs. 20000
2	Display Citizen Board @ Rs. 5000	Rs. 5000
3	Any Other Lumpsum @ Rs. 28721	Rs. 28721
		Total Addition Component Amount (in Rs.): 53721

Total Net Amount (in Rs.): 999999.41061058