

ESTIMATION DPR							
State	Odisha	District	Malkangiri	Block	Malkangiri	Gram Panchayat	Tandiki

Work Code	OD/364/3484/119979/430224/00013431 (Repair and Maintenance of Rural Haat at Tandiki)
Project Category	Other Infrastructure

Financial Year	2022-23	Execution Level	PS
Executing Agency	Panchayat Samiti, Malkangiri	Proposal Date	11-10-2022
Date of Commencement	30-07-2025	Date of Completion	29-07-2025
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance of Capital Assets
Project Sub-Category	Rural Haat	Project Type	Repair and Maintenance
Name of Executant	Er.BUDHIRAM TIYU		

Administrative Approval Details

Approval No.	OD/364/3484/119979/430224/00013431/AS
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Technical Sanction Details

Technical Sanction No.	OD/364/3484/119979/430224/00013431/TS
Fund Sanction No.	12823
Fund Sanction Amount (in Rs.)	400000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
1	<p>Dismantling (AR1613) : Removing old lime or cement plaster - Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead and as per direction of Engineer-in-Charge.</p>	Sqm	14.13	50.174193548387	15788.121757694

2	<p>Dismantling (AR1623) : Dismantling and removing cement concrete - Dismantling and removing cement concrete including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.</p>	Cum	1.152	746.592	15788.121757694
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	15.35432	5585.01123494	15788.121757694

4	<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	22.35168	515.507232	15788.121757694
5	<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	5.4831	7125.14577578	15788.121757694

6	Plastering (AR1026i) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces (outside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in outside with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.	Sqm	32.97	162.2449284906	15788.121757694
7	Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface) - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	Sqm	96.125	164.24574000202	15788.121757694
Total Amount (in Rs.): 159050.76158426					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	Dismantling (AR1613) : Removing old lime or cement plaster - Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	14.13	Sqm
i	Un-Skilled	0.10752688172043	1.5193548387097	-
2	Dismantling (AR1623) : Dismantling and removing cement concrete - Dismantling and removing cement concrete including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	1.152	Cum
i	Un-Skilled	1.6	1.8432	-
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.	-	15.35432	Cum

	i	Skilled	0.18	2.7637776	-
	ii	Un-Skilled	3.9	59.881848	-
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.	-	22.35168	Cum
	i	Un-Skilled	0.1236	2.762667648	-
5		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.	-	5.4831	Cum
	i	Un-Skilled	4.6	25.22226	-
	ii	Skilled	0.68	3.728508	-

6	Plastering (AR1026i) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces (outside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in outside with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.	-	32.97	Sqm
i	Un-Skilled	0.12	3.9564	-
ii	Skilled	0.14	4.6158	-
7	Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface) - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	96.125	Sqm
i	Highly-Skilled	0.13440860215054	12.92002688172	-
ii	Un-Skilled	0.11827956989247	11.369623655914	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	106.55535414262	462	49228.573613892
1	Skilled	11.1080856	562	6242.7441072

2	Highly-Skilled	12.92002688172	612	7907.0564516129
				Total: 63378.374172705

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Dismantling (AR1613) :.Removing old lime or cement plaster - Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	14.13	Sqm
2	Dismantling (AR1623) :.Dismantling and removing cement concrete - Dismantling and removing cement concrete including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	1.152	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.	-	15.35432	Cum
i)	BRM340 : Cement	2.29	35.1613928	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	7.3700736	1 Cum

iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	14.7401472	1 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.	-	22.35168	Cum
i)	BRM029 : Sand for filling and road blinding	1	22.35168	1 Cum
5	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.	-	5.4831	Cum
i)	BRM340 : Cement	3.23	17.710413	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.467395	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	4.93479	1 Cum.

6	Plastering (AR1026i) :.6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces (outside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in outside with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.	-	32.97	Sqm
i)	BRM340 : Cement	0.0271	0.893487	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.247275	1 Cum
7	Painting(AR0903i) :.Painting two coats of enamel paint in outer surface paint (outer surface) - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	96.125	Sqm
i)	BRM141 : Enamel paint	0.125	12.015625	1 Litre

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	53.7652928	1 Qntl.	575.425	30937.89360944
2	BRM028	10.0847436	1 Cum	873.69	8810.939635884
3	BRM044	14.7401472	1 Cum.	1440.52	21233.476844544
4	BRM029	22.35168	1 Cum	413.05	9232.361424
5	BRM056	4.93479	1 Cum.	1841.89	9089.3403531
6	BRM141	12.015625	1 Litre	205.73055	2471.9811398438

Total: 81775.993006812

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	<p>Dismantling (AR1613) :.Removing old lime or cement plaster - Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead and as per direction of Engineer-in-Charge.</p>	-	14.13	Sqm
2	<p>Dismantling (AR1623) :.Dismantling and removing cement concrete - Dismantling and removing cement concrete including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.</p>	-	1.152	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>	-	15.35432	Cum
i)	BRM340 : Cement	2.29	35.1613928	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	7.3700736	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	14.7401472	1 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.	-	22.35168	Cum
i)	BRM029 : Sand for filling and road blinding	1	22.35168	1 Cum
5	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.	-	5.4831	Cum
i)	BRM340 : Cement	3.23	17.710413	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.467395	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	4.93479	1 Cum.

6	Plastering (AR1026i) :.6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces (outside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in outside with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.	-	32.97	Sqm
i)	BRM340 : Cement	0.0271	0.893487	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.247275	1 Cum
7	Painting(AR0903i) :.Painting two coats of enamel paint in outer surface paint (outer surface) - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	96.125	Sqm
i)	BRM141 : Enamel paint	0.125	12.015625	1 Litre

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	10.0847436	1 Cum	40.25	405.9109299
2	BRM044	14.7401472	1 Cum.	149.5	2203.6520064
3	BRM029	22.35168	1 Cum	40.25	899.65512
4	BRM056	4.93479	1 Cum.	149.5	737.751105
Total: 4246.9691613					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 3938	Rs. 3938

2	Display Citizen Board @ Rs. 2274	Rs. 2274
3	Any Other Lumpsum @ Rs. 234737	Rs. 234737
Total Addition Component Amount (in Rs.): 240949		

Total Net Amount (in Rs.): 399999.76158426