

ESTIMATION DPR

State	Odisha	District	Sundargarh	Block	Koida	Gram Panchayat	Patmund
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Work Code	OD/373/3579/121619/384796/00066507 (Repair & Maintenance of weekly Market shed at Patmunda GP)
Project Category	Other Infrastructure

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Koida	Proposal Date	02-06-2023
Date of Commencement	11-12-2025	Date of Completion	-
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	Gajendra Naik		

Administrative Approval Details

Approval No.	OD/373/3579/121619/384796/00066507/AS
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Technical Sanction Details

Technical Sanction No.	OD/373/3579/121619/384796/00066507/TS
Fund Sanction No.	11828/PR/DW
Fund Sanction Amount (in Rs.)	103000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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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>	Cum	9.9082	240.77592	3929.9016916924
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>	Cum	4.6353	1279.875232	3929.9016916924

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	4.6353	6199.01771502	3929.9016916924
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 specifcaion and direction of Engineer-in charge.</p>	Cum	3.237375	7638.43797274	3929.9016916924

5	<p>Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ± 8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	Cum	5.9628255435	5750.310157536	3929.9016916924
6	<p>Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside - 12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp.and as per direction of Engineer-in-charge.</p>	Sqm	22.0725	178.0451553604	3929.9016916924
Total Amount (in Rs.): 99999.054561961					

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 -</p> <p>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>	-	9.9082	Cum
i	Un-Skilled	0.516	5.1126312	-
2	<p>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</p> <p>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>	-	4.6353	Cum
i	Un-Skilled	0.1236	0.57292308	-

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>	-	4.6353	Cum
i	Skilled	0.18	0.834354	-
ii	Un-Skilled	3.9	18.07767	-
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>	-	3.237375	Cum
i	Un-Skilled	4.6	14.891925	-

	ii	Skilled	0.68	2.201415	-
5		<p>Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ±8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	5.9628255435	Cum
	i	Un-Skilled	2.96	17.64996360876	-
	ii	Skilled	1.05	6.260966820675	-
	iii	Highly-Skilled	0.35	2.086988940225	-
6		<p>Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside - 12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp.and as per direction of Engineer-in-charge.</p>	-	22.0725	Sqm

i	Un-Skilled	0.12	2.6487	-
ii	Skilled	0.14	3.09015	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	58.95381288876	462	27236.661554607
1	Skilled	12.386885820675	562	6961.4298312194
2	Highly-Skilled	2.086988940225	612	1277.2372314177
Total:				35475.328617244

MATERIAL STATEMENT

SI.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	-	9.9082	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.	-	4.6353	Cum
i)	BRM029 : Sand for filling and road blinding	1	4.6353	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.	-	4.6353	Cum
i)	BRM340 : Cement	2.29	10.614837	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	2.224944	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	4.449888	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>	-	3.237375	Cum
i)	BRM340 : Cement	3.23	10.45672125	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.45681875	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	2.9136375	1 Cum.
5	<p>Masonry Brick Work (AR0603b) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ±8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	5.9628255435	Cum
i)	BRM340 : Cement	0.672	4.007018765232	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	1.66959115218	1 Cum
iii)	BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance \pm 2 %	350	2086.988940225	1000 Nos
6	Plastering (AR1004) :.12mm thick cement plaster (1:6) over Brick work in inside - 12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp.and as per direction of Engineer-in-charge.	-	22.0725	Sqm
i)	BRM340 : Cement	0.0358	0.7901955	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.3310875	1 Cum

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	4.6353	1 Cum	1163.85	5394.793905
2	BRM340	25.868772515232	1 Qntl.	573.132	14826.2213292
3	BRM028	5.68244140218	1 Cum	1168.79	6641.580686454
4	BRM044	4.449888	1 Cum.	1949.16	8673.54369408
5	BRM056	2.9136375	1 Cum.	2350.53	6848.592352875
6	BRM005	2086.988940225	1000 Nos	7.8058	16290.618269608
Total: 58675.350237217					

ROYALTY STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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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	-	9.9082	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.	-	4.6353	Cum
i)	BRM029 : Sand for filling and road blinding	1	4.6353	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.	-	4.6353	Cum
i)	BRM340 : Cement	2.29	10.614837	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	2.224944	1 Cum

iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	4.449888	1 Cum.
4	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.	-	3.237375	Cum
i)	BRM340 : Cement	3.23	10.45672125	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.45681875	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	2.9136375	1 Cum.

5	Masonry Brick Work (AR0603b) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm ² with dimensional tolerance ±8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.	-	5.9628255435	Cum
i)	BRM340 : Cement	0.672	4.007018765232	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	1.66959115218	1 Cum
iii)	BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance ± 2 %	350	2086.988940225	1000 Nos
6	Plastering (AR1004) :.12mm thick cement plaster (1:6) over Brick work in inside - 12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp.and as per direction of Engineer-in-charge.	-	22.0725	Sqm
i)	BRM340 : Cement	0.0358	0.7901955	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.3310875	1 Cum

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
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1	BRM029	4.6353	1 Cum	46.25	214.382625
2	BRM028	5.68244140218	1 Cum	46.25	262.81291485082
3	BRM044	4.449888	1 Cum.	259.5	1154.745936
4	BRM056	2.9136375	1 Cum.	259.5	756.08893125
Total: 2388.0304071008					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 999.99054561961
2	Display Citizen Board @ Rs. 2000	Rs. 2000
Total Addition Component Amount (in Rs.): 2999.9905456196		

Total Net Amount (in Rs.): 102999.04510758