

ESTIMATION DPR							
State	Odisha	District	Kandhamal	Block	Phulbani	Gram Panchayat	Keredi

Work Code	OD/359/3430/118985/415557/00024681 (Construction of Compound Wall Patharalanali UP School)						
Project Category	Other Infrastructure						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Phulbani	Proposal Date	-
Date of Commencement	17-07-2025	Date of Completion	
Scheme Name	SFC Devolution of Fund	Scheme Component Name	5TH SFC DEVOLUTION GRANT TO ZILLA PARISHAD
Project Sub-Category	Boundary Wall	Project Type	New Work
Name of Executant			

Administrative Approval Details

Approval No.	OD/359/3430/118985/415557/00024681/AS
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Technical Sanction Details

Technical Sanction No.	OD/359/3430/118985/415557/00024681/TS
Fund Sanction No.	3545
Fund Sanction Amount (in Rs.)	400000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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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	30.582144	240.77592	7363.4438571725
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	5.04605376	478.096832	2412.5023167577

3	<p>Concrete (AR0304a) : Cement concrete (1:4:8) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:4:8) with 4 cm. hard granite(Hand 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	5.04605376	4975.6861392	25107.57975129
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4	<p style="text-align: center;">Masonry Stone Work (AR0703) : Random rubble H.G. stone of masonry. - Random rubble H.G. stone of size not less than 0.0025 cum stacked masonry in cement mortar (1:6) in foundation and plinth including watering, curing for seven days 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	34.94009952	4040.673075716	141181.5193933
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5	<p style="text-align: center;">Flooring (AR0820) : 2.5 cm. Damp proof course with C.C. (1:2:4) using 12mm. Size hard broken(crusher broken) granite Chips - 2.5 cm. Damp proof course with C.C. (1:2:4) using 12mm. Size hard broken(crusher broken) granite Chips including curing for seven days 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>	Sqm	37.625715	367.271709964	13818.860686668
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6	<p style="text-align: center;">Masonry Brick Work (AR0603bi) :</p> <p>Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure 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	27.071418287	5023.26767552	135986.98041157
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7	<p>Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside. - 12mm thick cement plaster (1:6) over Brick work in outside 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	211.430969975	168.628421128	35653.270644446
8	<p>Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer - Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)</p>	Sqm	211.430969975	160.72822700355	33982.924937723
Total Amount (in Rs.): 395507.08199893					

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>	-	30.582144	Cum
i	Un-Skilled	0.516	15.780386304	-
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>	-	5.04605376	Cum
i	Un-Skilled	0.1236	0.623692244736	-

3	<p>Concrete (AR0304a) : Cement concrete (1:4:8) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:4:8) with 4 cm. hard granite(Hand 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>	-	5.04605376	Cum
i	Un-Skilled	3.9	19.679609664	-
ii	Skilled	0.18	0.9082896768	-
4	<p>Masonry Stone Work (AR0703) : Random rubble H.G. stone of masonry. - Random rubble H.G. stone of size not less than 0.0025 cum stacked masonry in cement mortar (1:6) in foundation and plinth including watering, curing for seven days 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>	-	34.94009952	Cum

	i	Un-Skilled	3.17	110.7601154784	-
	ii	Skilled	1.41	49.2655403232	-
	iii	Highly-Skilled	0.35	12.229034832	-
5		Flooring (AR0820) : 2.5 cm. Damp proof course with C.C. (1:2:4) using 12mm. Size hard broken(crusher broken) granite Chips - 2.5 cm. Damp proof course with C.C. (1:2:4) using 12mm. Size hard broken(crusher broken) granite Chips including curing for seven days 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.	-	37.625715	Sqm
	i	Un-Skilled	0.36	13.5452574	-
	ii	Highly-Skilled	0.103	3.875448645	-

6	Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure 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.	-	27.071418287	Cum
i	Un-Skilled	2.96	80.13139812952	-
ii	Skilled	1.05	28.42498920135	-
iii	Highly-Skilled	0.35	9.47499640045	-

7	<p>Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside. - 12mm thick cement plaster (1:6) over Brick work in outside 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>	-	211.430969975	Sqm
i	Un-Skilled	0.12	25.371716397	-
ii	Skilled	0.14	29.6003357965	-
8	<p>Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer - Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)</p>	-	211.430969975	Sqm
i	Un-Skilled	0.11776344086022	24.898838528669	-

ii	Highly-Skilled	0.10776344086022	22.784528828919	-
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Sl.No.	Labour Type	Qty Unit	Rate	Amount
2	Un-Skilled	290.79101414632	462	134345.4485356
4	Skilled	108.19915499785	562	60807.925108792
5	Highly-Skilled	48.364008706369	612	29598.773328298
Total:				224752.14697269

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	-	30.582144	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.	-	5.04605376	Cum
i)	BRM029 : Sand for filling and road blinding	1	5.04605376	1 Cum
3	Concrete (AR0304a) :.Cement concrete (1:4:8) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:4:8) with 4 cm. hard granite(Hand 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.	-	5.04605376	Cum
i)	BRM340 : Cement	1.72	8.6792124672	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	2.4221058048	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	4.8442116096	1 Cum.

4	Masonry Stone Work (AR0703) ::Random rubble H.G. stone of masonry. - Random rubble H.G. stone of size not less than 0.0025 cum stacked masonry in cement mortar (1:6) in foundation and plinth including watering, curing for seven days 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.	-	34.94009952	Cum
i)	BRM340 : Cement	0.8151	28.479675118752	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.34	11.8796338368	1 Cum
iii)	BRM034 : Granite broken stone of size not less than 0.0025 Cum. Stacked	1	34.94009952	1 Cum.
5	Flooring (AR0820) ::2.5 cm. Damp proof course with C.C. (1:2:4) using 12mm. Size hard broken(crusher broken) granite Chips - 2.5 cm. Damp proof course with C.C. (1:2:4) using 12mm. Size hard broken(crusher broken) granite Chips including curing for seven days 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.	-	37.625715	Sqm
i)	BRM340 : Cement	0.0754	2.836978911	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.012	0.45150858	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)	0.023	0.865391445	1 Cum.
6	Masonry Brick Work (AR0603bi) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure 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.	-	27.071418287	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	27.071418287	1 Cum
ii)	BRM340 : Cement	0.672	18.191993088864	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	7.57999712036	1 Cum
iv)	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	9474.99640045	1000 Nos

7	Plastering (AR1004i) :.12mm thick cement plaster (1:6) over Brick work in outside. - 12mm thick cement plaster (1:6) over Brick work in outside 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.	-	211.430969975	Sqm
i)	BRM340 : Cement	0.0358	7.569228725105	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	3.171464549625	1 Cum
8	Painting(AR0918cb) :.Finishing wall two coats with weather coat with one coat waterbound Primer - Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	211.430969975	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	26.428871246875	1 Ltr
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	19.096990836452	1 Ltr

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	5.04605376	1 Cum	346.01	1745.9850614976
2	BRM340	65.757088310921	1 Qntl.	563.532	37056.22349003
3	BRM028	25.504709891585	1 Cum	417.99	10660.713687584

4	BRM045	4.8442116096	1 Cum.	1388.87	6727.9801782252
5	BRM034	34.94009952	1 Cum.	633.07	22119.528803126
6	BRM056	0.865391445	1 Cum.	2902.53	2511.8246308558
7	BRMMR0025	27.071418287	1 Cum	33	893.356803471
8	BRM005	9474.99640045	1000 Nos	6.11135	57905.01925189
9	BRM255	26.428871246875	1 Ltr	195.09732	5156.2019508904
10	BRM253	19.096990836452	1 Ltr	159.33732	3042.8633399448
Total: 147819.69719751					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	5.04605376	1 Cum	70.25	354.48527664
2	BRM028	25.504709891585	1 Cum	70.25	1791.7058698838
3	BRM045	4.8442116096	1 Cum.	239.5	1160.1886804992
4	BRM034	34.94009952	1 Cum.	149.5	5223.54487824
5	BRM056	0.865391445	1 Cum.	344.5	298.1273528025
6	BRM005	9474.99640045	1000 Nos	0.04025	381.36860511811
Total: 9209.4206631837					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 3492	Rs. 3492
2	Display Citizen Board @ Rs. 1000	Rs. 1000
Total Addition Component Amount (in Rs.): 4492		

Total Net Amount (in Rs.): 399999.08199893