

ESTIMATION DPR							
State	Odisha	District	Balangir	Block	Balangir	Panchayat	Bidighat

Work Code	OD/345/3285/115782/420275/00014442 (Imp of Play Ground at Bidighat)						
Project Category	Other Infrastructure						

Financial Year	2024-25	Execution Level	Bidighat, G.P
Executing Agency	Panchayat Samiti, Balangir	Proposal Date	28-02-2024
Date of Commencement	-	Date of Completion	
Scheme Name	SFC Devolution of Fund	Scheme Component Name	5TH SFC DEVOLUTION GRANT TO PANCHAYAT SAMITI
Project Sub-Category	Play Field	Project Type	Upgradation or Improvement
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	15384
Fund Sanction Amount (in Rs.)	300000

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 (AR0101a) : Earthwork in ordinary soil within 50m, initial lead and 1.5m, initial lift -</p> <p>Earth work in ordinary soil 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 direction of the Engineer-in-charge per 100 cum</p>	Cum	11.893056	146.0864	1737.4137360384
2	<p style="text-align: center;">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>	Cum	30.6246192	724.601472	22190.644151759

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	9.36436576	5776.84349222	54096.475399424
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4	<p style="text-align: center;">Masonry Brick Work (AR0603b) :</p> <p>Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth -</p> <p>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 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	10.1285654	4960.774387696	50245.527820424
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5	<p style="text-align: center;">Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in- charge.</p>	Sqm	55.7418	364.4374762844	20314.40091555
6	<p style="text-align: center;">Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside - 12mm thick cement plster (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	28.79993	172.1863699844	4958.9554025048
Total Amount (in Rs.): 153543.4174257					

LABOUR STATEMENT

Sl.No.	Activity Name	Quantity (A)	Unit	Un-Skilled		Skilled		Highly-Skilled	
				RS.452/-		RS.552/-		RS.602/-	
				Qty/Unit (B)	Total Qty (A*B)	Qty/Unit (B)	Total Qty (A*B)	Qty/Unit (B)	Total Qty (A*B)
1	Earth Work (AR0101 a) : Earthwork in ordinary soil within 50m, initial lead and 1.5m, initial lift - Earth work in ordinary soil 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 direction of the Engineer-in-charge per 100 cum	11.893056	Cubic Meter	0.32	3.80577792	-	-	-	-

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.	30.62461 92	Cubic Meter	0.1236	3.785202 93312	-	-	-	-
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3	<p>Concrete</p> <p>(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>	9.364365 76	Cubic Meter	3.9	36.52102 6464	0.18	1.685585 8368	-	-
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4	<p>Masonry Brick Work (AR0603 b) : 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 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>	10.12856 54	Cubic Meter	2.82	28.56255 4428	1.05	10.63499 367	0.35	3.544997 89
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5	Flooring (AR0802i) i) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyan ce & royalty of materials as per direction of Engineer- in-charge.	55.7418	Square Meter	0.36	20.06704 8	-	-	0.13	7.246434
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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.	28.79993	Square Meter	0.12	3.4559916	0.14	4.0319902	-	-
Total Qty				96.19760134512		16.3525697068		10.79143189	
Rate Per Man Day				452		552		602	
Total Amount				43481.315807994		9026.6184781536		6496.44199778	

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Earth Work (AR0101a) :.Earthwork in ordinary soil within 50m, initial lead and 1.5m, initial lift - Earth work in ordinary soil 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 direction of the Engineer-in-charge per 100 cum	-	11.893056	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.	-	30.6246192	Cum
i)	BRM029 : Sand for filling and road blinding	1	30.6246192	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.	-	9.36436576	Cum
i)	BRM340 : Cement	2.29	21.4443975904	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	4.4948955648	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	8.9897911296	1 Cum.

4	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 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.	-	10.1285654	Cum
i)	BRM340 : Cement	0.672	6.8063959488	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	2.835998312	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	3544.99789	1000 Nos
5	Flooring (AR0802ii) :.2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.	-	55.7418	Sqm
i)	BRM340 : Cement	0.0858	4.78264644	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.012	0.6689016	1 Cum
iii)	BRM057 : 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)(Hand broken)	0.023	1.2820614	1 Cum.
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.	-	28.79993	Sqm
i)	BRM340 : Cement	0.0358	1.031037494	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.43199895	1 Cum

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	30.6246192	1 Cum	582.31	17833.022006352
2	BRM340	34.0644774732	1 Qntl.	640.615	21822.215236494
3	BRM028	8.4317944268	1 Cum	587.25	4951.5712771383
4	BRM044	8.9897911296	1 Cum.	1453.54	13067.020998519
5	BRM005	3544.99789	1000 Nos	6.00665	21293.561575968
6	BRM057	1.2820614	1 Cum.	1543.48	1978.836129672

Total: 80946.227224144

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	30.6246192	1 Cum	79.25	2427.0010716
2	BRM028	8.4317944268	1 Cum	79.25	668.2197083239
3	BRM044	8.9897911296	1 Cum.	301.5	2710.4220255744
4	BRM005	3544.99789	1000 Nos	0.04025	142.6861650725
5	BRM057	1.2820614	1 Cum.	301.5	386.5415121
Total: 6334.8704826708					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 3000	Rs. 3000
2	Display Citizen Board @ Rs. 3000	Rs. 3000
3	Any Other Lumpsum @ Rs. 140456	Rs. 140456
Total Addition Component Amount (in Rs.): 146456		

Total Net Amount (in Rs.): 299999.4174257