

ESTIMATION DPR							
State	Odisha	District	Ganjam	Block	Sanakhemundi	Gram Panchayat	Chudangapur

Work Code	OD/354/3383/117975/412429/00034891 (CONSTRUCTION OF RURAL PARK AT RATNAMALAPUR, NEAR BUDHESWAR TEMPLE, CHUDUNGAPUR)						
Project Category	Other Infrastructure						

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Sanakhemundi	Proposal Date	05-05-2025
Date of Commencement	22-07-2025	Date of Completion	01-08-2025
Scheme Name	SFC Devolution of Fund	Scheme Component Name	5TH SFC DEVOLUTION GRANT TO PANCHAYAT SAMITI
Project Sub-Category	Rural Park	Project Type	New Work
Name of Executant	Bidyut Prabha Rath		

### Administrative Approval Details

Approval No.	OD/354/3383/117975/412429/00034891/AS
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### Technical Sanction Details

Technical Sanction No.	OD/354/3383/117975/412429/00034891/TS
Fund Sanction No.	14036
Fund Sanction Amount (in Rs.)	950000

### ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p><b>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 &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</b></p>	Cum	220.348512	440.585432	12101.664
2	<p><b>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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</b></p>	Cum	125.09049	5207.6075003	12101.664

3	<p><b>Flooring (AR0817aa) :</b>  <b>Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) -</b>  Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.</p>	Sqm	13.1975	1530.651640336	12101.664
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4	<p><b>Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum -</b> 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&amp;P required for the work etc. complete as per specificaion and direction of Engineer-in charge.</p>	Cum	5.89	6792.3101051	12101.664
5	<p><b>Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory -</b> Supplying, fitting &amp; fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&amp;P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)</p>	Sqm	116.846	1006.168538841	12101.664

6	<p><b>miscellaneous (ARM286) : Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC - Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.</b></p>	Sqm	24	504.236	12101.664
<b>Total Amount (in Rs.): 938380.43292207</b>					

### LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<p><b>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</b> Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	220.348512	Cum
	i Un-Skilled	0.1236	27.2350760832	-
2	<p><b>Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b> 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	125.09049	Cum
	i Skilled	0.18	22.5162882	-
	ii Un-Skilled	3.9	487.852911	-

3	<p><b>Flooring (AR0817aa)</b>  <b>: Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) -</b>          Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.</p>	-	13.1975	Sqm
i	Highly-Skilled	0.325	4.2891875	-
ii	Un-Skilled	0.325	4.2891875	-
iii	Semi-Skilled	0.76	10.0301	-

4	<p><b>Concrete (AR0307) :</b>  <b>Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum -</b>  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&amp;P required for the work etc. complete as per specifaion and direction of Engineer-in charge.</p>	-	5.89	Cum
i	Un-Skilled	4.6	27.094	-
ii	Skilled	0.68	4.0052	-
5	<p><b>Other Building Items. (AR1901B) :</b>  <b>Vitrified Tile 600mmx600mm Plain Ivory -</b> Supplying, fitting &amp; fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&amp;P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)</p>	-	116.846	Sqm
i	Un-Skilled	0.216	25.238736	-

	ii	Highly-Skilled	0.216	25.238736	-
6		<b>miscellaneous (ARM286) : Supplying and fixing of 60mm thick cement interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC -</b> Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.	-	24	Sqm

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	571.7099105832	462	264129.97868944
1	Skilled	26.5214882	562	14905.0763684
2	Highly-Skilled	29.5279235	612	18071.089182
3	Semi-Skilled	10.0301	512	5135.4112
<b>Total:</b>				<b>302241.55543984</b>

## MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	<b>Earth Work (AR0115)</b> :.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.	-	220.348512	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	220.348512	1 Cum
2	<b>Concrete (AR0303)</b> :.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.	-	125.09049	Cum
i)	<b>BRM340</b> : Cement	2.29	286.4572221	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	60.0434352	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	120.0868704	1 Cum.

3	<p><b>Flooring (AR0817aa)</b>  <b>:.Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) -</b>  Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.</p>	-	13.1975	Sqm
i)	<p><b>BRM131</b> : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B la) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)</p>	1	13.1975	1 Sqm.
ii)	<p><b>BRMMR0027</b> : Wax Polish</p>	1	13.1975	1 Sqm
iii)	<p><b>BRM340</b> : Cement</p>	0.1375	1.81465625	1 Qntl.
iv)	<p><b>BRM028</b> : Screened and washed sharp sand for mortar</p>	0.015	0.1979625	1 Cum

4	<p><b>Concrete (AR0307)</b>  <b>:.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum -</b>  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&amp;P required for the work etc. complete as per specifaion and direction of Engineer-in charge.</p>	-	5.89	Cum
i)	<b>BRM340</b> : Cement	3.23	19.0247	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	2.6505	1 Cum
iii)	<b>BRM056</b> : 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	5.301	1 Cum.
5	<p><b>Other Building Items. (AR1901B) :.Vitrified Tile 600mmx600mm Plain Ivory -</b>  Supplying, fitting &amp; fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&amp;P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)</p>	-	116.846	Sqm
i)	<b>BRM174</b> : White Cement.	0.0076	0.8880296	1Qntl
ii)	<b>BRM340</b> : Cement	0.1074	12.5492604	1 Qntl.

iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.021	2.453766	1 Cum
iv)	<b>BRM131</b> : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm conforming to IS 15622:2006 (Group-B Ia) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	116.846	1 Sqm.
6	<b>miscellaneous(ARM286)</b> :.Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC - Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.	-	24	Sqm
i)	<b>BRM029</b> : Sand for filling and road blinding	0.05	1.2	1 Cum
ii)	<b>BRMM286</b> : Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items)	1	24	1 Sqm

Sl.No.	Material Name	Qty	Unit	Rate	Amount
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1	<b>BRM029</b>	221.548512	1 Cum	338.87	75076.14426144
2	<b>BRM340</b>	319.84583875	1 Qntl.	587.287	187841.30310197
3	<b>BRM028</b>	65.3456637	1 Cum	342.24	22363.899944688
4	<b>BRM044</b>	120.0868704	1 Cum.	1271.26	152661.6348647
5	<b>BRM131</b>	130.0435	1 Sqm.	660.6811111	85917.284071333
6	<b>BRMMR0027</b>	13.1975	1 Sqm	8.5	112.17875
7	<b>BRM056</b>	5.301	1 Cum.	1672.63	8866.61163
8	<b>BRM174</b>	0.8880296	1Qntl	2041.967	1813.3271382232
9	<b>BRMM286</b>	24	1 Sqm	485.28	11646.72
<b>Total: 546299.10376236</b>					

## ROYALTY STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Earth Work (AR0115)</b> :.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.	-	<b>220.348512</b>	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	220.348512	1 Cum
2	<b>Concrete (AR0303)</b> :.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.	-	<b>125.09049</b>	Cum

i)	<b>BRM340</b> : Cement	2.29	286.4572221	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	60.0434352	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	120.0868704	1 Cum.
3	<b>Flooring (AR0817aa) :.Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) -</b> Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.	-	<b>13.1975</b>	Sqm
i)	<b>BRM131</b> : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B Ia) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	13.1975	1 Sqm.
ii)	<b>BRM340</b> : Cement	0.1375	1.81465625	1 Qntl.
iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.1979625	1 Cum

4	<p><b>Concrete (AR0307)</b>  <b>:.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum -</b>  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&amp;P required for the work etc. complete as per specifaion and direction of Engineer-in charge.</p>	-	5.89	Cum
i)	<b>BRM340</b> : Cement	3.23	19.0247	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	2.6505	1 Cum
iii)	<b>BRM056</b> : 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	5.301	1 Cum.
5	<p><b>Other Building Items. (AR1901B) :.Vitrified Tile 600mmx600mm Plain Ivory -</b>  Supplying, fitting &amp; fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&amp;P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)</p>	-	116.846	Sqm
i)	<b>BRM174</b> : White Cement.	0.0076	0.8880296	1Qntl
ii)	<b>BRM340</b> : Cement	0.1074	12.5492604	1 Qntl.

iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.021	2.453766	1 Cum
iv)	<b>BRM131</b> : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm conforming to IS 15622:2006 (Group-B la) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	116.846	1 Sqm.
6	<b>miscellaneous(ARM28 6) :.Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC - Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.</b>	-	24	Sqm
i)	<b>BRM029</b> : Sand for filling and road blinding	0.05	1.2	1 Cum

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	221.548512	1 Cum	40.25	8917.327608
2	<b>BRM028</b>	65.3456637	1 Cum	40.25	2630.162963925
3	<b>BRM044</b>	120.0868704	1 Cum.	149.5	17952.9871248
4	<b>BRM056</b>	5.301	1 Cum.	149.5	792.4995
<b>Total: 30292.977196725</b>					

#### ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
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1	Provision for Contingency @ 1%	Rs. 9383.8043292207
2	Display Citizen Board @ Rs. 2235.7	Rs. 2235.7
<b>Total Addition Component Amount (in Rs.): 11619.504329221</b>		

**Total Net Amount (in Rs.): 949999.93725129**