

**ESTIMATION DPR**

<b>State</b>	Odisha	<b>District</b>	Balasore	<b>Block</b>	Soro	<b>Gram Panchayat</b>	Mahumuhan
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<b>Work Code</b>	OD/346/3309/116319/393701/00062666 (Completion of Incomplete Boundary wall at Akhandalamani temple at Khanjamahal)
<b>Project Category</b>	Other Infrastructure

<b>Financial Year</b>	2025-26	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Soro	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	-	<b>Date of Completion</b>	
<b>Scheme Name</b>	SFC Devolution of Fund	<b>Scheme Component Name</b>	5TH SFC DEVOLUTION GRANT TO PANCHAYAT SAMITI
<b>Project Sub-Category</b>	Boundary Wall	<b>Project Type</b>	New Work
<b>Name of Executant</b>			

**Administrative Approval Details**

<b>Approval No.</b>	
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**Technical Sanction Details**

<b>Technical Sanction No.</b>	
<b>Fund Sanction No.</b>	
<b>Fund Sanction Amount (in Rs.)</b>	202038

**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;"><b>Pile Foundation (AR1501bi) : For each additional / less depth of 0.5 meter beyond initial depth of 6 meter add to / deduct delete / from the rate in single under-reamed (300mm dia ) pile using 12mm size crusher broken chips in RCC M20. - For each additional / less depth of 0.5 meter beyond initial depth of 6 meter add to / deduct delete / from the rate in single under-reamed (300mm dia ) pile using 12mm size crusher broken chips in RCC M-20.</b></p>	Nos	85	353.20501695378	30022.426441071
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2	<p style="text-align: center;"><b>R.C.C. Work (AR0404Ab) :</b></p> <p><b>Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)</p>	Cum	3.196400384	7182.4692164384	22958.047361492
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3	<p style="text-align: center;"><b>R.C.C. Work (AR0404Ac) :</b></p> <p><b>Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite 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. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder &amp; Bressmer etc)</p>	Cum	1.32650615936	14481.400478617	19209.666931044
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4	<p style="text-align: center;"><b>Masonry</b></p> <p><b>Brick Work (AR0603bi) :</b>  <b>Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure -</b>  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<sup>2</sup> 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&amp;P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	Cum	11.70171371904	5363.797381568	62765.621406045
5	<p><b>Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside -</b> 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 &amp; P required for the work etc. comp.and as per direction of Engineer-in-charge.</p>	Sqm	113.713272	181.2593273252	20611.591190667

6	<p><b>R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position -</b>  Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.</p>	Qntl	5.07814	8632.0992593	43835.008532622
<b>Total Amount (in Rs.): 199402.36186294</b>					

## LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<p><b>Pile Foundation (AR1501bi) : For each additional / less depth of 0.5 meter beyond initial depth of 6 meter add to / deduct delete / from the rate in single under-reamed (300mm dia ) pile using 12mm size crusher broken chips in RCC M20. -</b> For each additional / less depth of 0.5 meter beyond initial depth of 6 meter add to / deduct delete / from the rate in single under-reamed (300mm dia ) pile using 12mm size crusher broken chips in RCC M-20.</p>	-	85	Nos

	i	Highly-Skilled	0.15	12.75	-
	ii	Un-Skilled	0.0467	3.9695	-
	iii	Skilled	0.0035	0.2975	-
	iv	Semi-Skilled	0.002	0.17	-
2		<b>R.C.C. Work (AR0404Ab) :</b> <b>Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)	-	3.196400384	Cum
	i	Un-Skilled	1.3333	4.2617606319872	-
	ii	Skilled	0.35	1.1187401344	-
	iii	Semi-Skilled	0.3073	0.9822538380032	-

3	<b>R.C.C. Work (AR0404Ac) :</b> <b>Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite 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. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)	-	1.32650615936	Cum
i	Un-Skilled	1.3333	1.7686306622747	-
ii	Skilled	5.33875	7.0818847582832	-
iii	Semi-Skilled	5.29605	7.0252429452785	-

4	<p><b>Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure -</b> 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<sup>2</sup> 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&amp;P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	11.70171371904	Cum
i	Un-Skilled	2.96	34.637072608358	-
ii	Skilled	1.05	12.286799404992	-
iii	Highly-Skilled	0.35	4.095599801664	-
5	<p><b>Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside -</b> 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 &amp; P required for the work etc. comp.and as per direction of Engineer-in-charge.</p>	-	113.713272	Sqm
i	Un-Skilled	0.12	13.64559264	-

	ii	Skilled	0.14	15.91985808	-
6		<b>R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position -</b> Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.	-	5.07814	Qntl
	i	Un-Skilled	0.8	4.062512	-
	ii	Highly-Skilled	0.3	1.523442	-
	iii	Semi-Skilled	0.044	0.22343816	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Highly-Skilled	18.369041801664	612	11241.853582618
2	Un-Skilled	62.34506854262	462	28803.421666691
3	Skilled	36.704782377675	562	20628.087696253
4	Semi-Skilled	8.4009349432817	512	4301.2786909602
<b>Total:</b>				<b>64974.641636523</b>

## MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Pile Foundation(AR1501bi )</b> :.For each additional / less depth of 0.5 meter beyond initial depth of 6 meter add to / deduct delete / from the rate in single under-reamed (300mm dia ) pile using 12mm size crusher broken chips in RCC M20. - For each additional / less depth of 0.5 meter beyond initial depth of 6 meter add to / deduct delete / from the rate in single under-reamed (300mm dia ) pile using 12mm size crusher broken chips in RCC M-20.	-	85	Nos
i)	<b>BRM178</b> : Bentonite powder	0.075	6.375	1Qntl
ii)	<b>BRM342</b> : Tripod	0.03	2.55	Per day
iii)	<b>BRM340</b> : Cement	0.13287	11.29395	1 Qntl.
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0158	1.343	1 Cum
v)	<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)	0.0315	2.6775	1 Cum.

2	<b>R.C.C. Work (AR0404Ab)</b> <b>:.Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)	-	<b>3.196400384</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	11.102057453747	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1.4383801728	1 Cum
iii)	<b>BRM060</b> : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	1.15070413824	1 Cum.
iv)	<b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	1.72605620736	1 Cum.
v)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.0426719451264	1Cum.
vi)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.63	2.01373224192	1Mtr.

3	<p><b>R.C.C. Work (AR0404Ac)</b>  <b>:.Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b>  Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite 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. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder &amp; Bressmer etc)</p>	-	<b>1.32650615936</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	4.6073538433051	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	0.596927771712	1 Cum
iii)	<b>BRM060</b> : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	0.4775422173696	1 Cum.
iv)	<b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	0.7163133260544	1 Cum.
v)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	4.4196	5.8626266219075	1Mtr
vi)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	0.055088474292061	1Cum.

4	<b>Masonry Brick Work (AR0603bi) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure -</b> 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 <sup>2</sup> 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.	-	<b>11.70171371904</b>	Cum
i)	<b>BRMMR0025 :</b> SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	11.70171371904	1 Cum
ii)	<b>BRM340 :</b> Cement	0.672	7.8635516191949	1 Qntl.
iii)	<b>BRM028 :</b> Screened and washed sharp sand for mortar	0.28	3.2764798413312	1 Cum
iv)	<b>BRM005 :</b> Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm <sup>2</sup> with dimensional tolerance ± 2 %	350	4095.599801664	1000 Nos
5	<b>Plastering (AR1004) :.12mm thick cement plaster (1:6) over Brick work in inside -</b> 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.	-	<b>113.713272</b>	Sqm
i)	<b>BRM340 :</b> Cement	0.0358	4.0709351376	1 Qntl.

ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	1.70569908	1 Cum
6	<b>R.C.C. Work (AR0409) :.Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position -</b> Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.	-	<b>5.07814</b>	Qntl
i)	<b>BRM162</b> : Binding Wire.	0.8	4.062512	1 Kg.
ii)	<b>BRM341</b> : Steel	1.05	5.332047	1 Qntl.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM178</b>	6.375	1Qntl	337.87	2153.92125
2	<b>BRM342</b>	2.55	Per day	450	1147.5
3	<b>BRM340</b>	38.937848053847	1 Qntl.	570.467	22212.757365734
4	<b>BRM028</b>	8.3604868658432	1 Cum	984.79	8233.3238606137
5	<b>BRM056</b>	2.6775	1 Cum.	1672.63	4478.466825
6	<b>BRM060</b>	1.6282463556096	1 Cum.	1694.68	2759.3565339245
7	<b>BRM052</b>	2.4423695334144	1 Cum.	1658.3	4050.1813972611
8	<b>BRM104</b>	0.09776041941846 1	1Cum.	58573.086	5726.1294539936
9	<b>BRM092</b>	2.01373224192	1Mtr.	229.106	461.35813901732
10	<b>BRM084</b>	5.8626266219075	1Mtr	250.166	1466.6298514961
11	<b>BRMMR0025</b>	11.70171371904	1 Cum	33	386.15655272832
12	<b>BRM005</b>	4095.599801664	1000 Nos	6.4484	26410.06576105
13	<b>BRM162</b>	4.062512	1 Kg.	90	365.62608
14	<b>BRM341</b>	5.332047	1 Qntl.	6379.007	34013.165137329
<b>Total: 113864.63820815</b>					

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	8.3604868658432	1 Cum	442.25	3697.4253164192
2	BRM056	2.6775	1 Cum.	552.5	1479.31875
3	BRM060	1.6282463556096	1 Cum.	552.5	899.6061114743
4	BRM052	2.4423695334144	1 Cum.	552.5	1349.4091672115
<b>Total: 7425.7593451049</b>					

#### ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 2020	Rs. 2020
2	Display Citizen Board @ Rs. 615.63	Rs. 615.63
<b>Total Addition Component Amount (in Rs.): 2635.63</b>		

**Total Net Amount (in Rs.): 202037.99186294**