

ESTIMATION DPR							
State	Odisha	District	Balasore	Block	Soro	Gram Panchayat	Singakhunta

Work Code	OD/346/3309/116330/393700/00069090 (Repair and maintenance of CRC at Khakadananda under 5th SFC PS)						
Project Category	Other Infrastructure						

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Soro	Proposal Date	-
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	Orchard	Project Type	Repair and Maintenance
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	100000

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;">Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) - Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.</p>	Sqm	56.7172815	71.83248932951	4074.1435181476
2	<p style="text-align: center;">Painting (AR0901di) : Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface) - Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.</p>	Sqm	93.51430174	72.849606979355	6812.4801287078

3	<p style="text-align: center;">Painting (AR0901ak) : Priming one coat in inner surface with primer of approved quality over woodwork(For repair and maintenance). -</p> <p>Priming one coat in inner surface with primer of approved quality over woodwork including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge(For repair and maintenance).</p>	Sqm	5.016762	71.251828087984	357.45346358233
4	<p style="text-align: center;">miscellaneous (ARM122) : Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge. -</p> <p>Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.</p>	Sqm	150.23158324	5.12	769.1857061888

5	<p style="text-align: center;">Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) - Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)</p>	Sqm	56.7172815	94.7526285875	5374.1115084622
6	<p style="text-align: center;">Painting (AR0918f) : Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside) - Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)</p>	Sqm	93.51430174	87.8656910875	8216.6987489501

7	<p style="text-align: center;">Painting (AR0905) : Painting two coats of enamel on old wood work in inner surface paint - Painting two coats of enamel paint on old wood work in inner surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)</p>	Sqm	5.016762	164.22772665202	823.89141841424
8	<p style="text-align: center;">Other Building Items. (AR1907) : aluminum sliding window (sliding type) - Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778,as windows frame, section No. 4095,4096 and 9777, 3994 as shutter frame with 5mm thick black glass as panel fitted with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-incharge.</p>	Sqm	3.344508	4152.7950064027	13889.056121274

9	<p>Dismantling (AR1612) : Dismantling and removing 2.5 cm. thick artificial stone flooring - Dismantling and removing 2.5 cm. thick artificial stone flooring including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.</p>	Sqm	23.99219975	100.34838709677	2407.578547816
10	<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>	Cum	0.863945568	7432.5709009	6421.3366886783

11	<p style="text-align: center;">Other Building Items. (AR1901Ba) : Vitrified Tile 600mmx600mm Coloured /Printed</p> <p>- Supplying, fitting & fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) 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 work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.</p>	Sqm	23.99219975	1065.085859045	25553.752681108
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12	<p style="text-align: center;">Flooring (AR0817ab) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) - Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) 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	14.94995076	1580.342579836	23626.04375248
Total Amount (in Rs.): 98325.732283809					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<p>Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) - Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.</p>	-	56.7172815	Sqm
i	Highly-Skilled	0.053763440860215	3.0493162096774	-
ii	Un-Skilled	0.053763440860215	3.0493162096774	-
2	<p>Painting (AR0901di) : Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface) - Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.</p>	-	93.51430174	Sqm
i	Highly-Skilled	0.053763440860215	5.0276506311828	-
ii	Un-Skilled	0.053763440860215	5.0276506311828	-

3	Painting (AR0901ak) : Priming one coat in inner surface with primer of approved quality over woodwork(For repair and maintenance). - Priming one coat in inner surface with primer of approved quality over woodwork including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge(For repair and maintenance).	-	5.016762	Sqm
i	Highly-Skilled	0.054838709677419	0.27511275483871	-
ii	Un-Skilled	0.054838709677419	0.27511275483871	-
4	miscellaneous (ARM122) : Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge. - Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.	-	150.23158324	Sqm

5	<p>Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) - Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)</p>	-	56.7172815	Sqm
i	Highly-Skilled	0.054	3.062733201	-
ii	Un-Skilled	0.064	3.629906016	-
6	<p>Painting (AR0918f) : Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside) - Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)</p>	-	93.51430174	Sqm
i	Un-Skilled	0.064	5.98491531136	-
ii	Highly-Skilled	0.054	5.04977229396	-

7	Painting (AR0905) : Painting two coats of enamel on old wood work in inner surface paint - Painting two coats of enamel paint on old wood work in inner surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)	-	5.016762	Sqm
i	Highly-Skilled	0.13440860215054	0.67429596774194	-
ii	Un-Skilled	0.11827956989247	0.5933804516129	-
8	Other Building Items. (AR1907) : aluminum sliding window (sliding type) - Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778,as windows frame, section No. 4095,4096 and 9777, 3994 as shutter frame with 5mm thick black glass as panel fitted with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-incharge.	-	3.344508	Sqm
i	Un-Skilled	1.006711409396	3.3669543624161	-
ii	Semi-Skilled	1.006711409396	3.3669543624161	-
iii	Skilled	0.33557046979866	1.1223181208054	-

	iv	Highly-Skilled	0.33557046979866	1.1223181208054	-
9		Dismantling (AR1612) : Dismantling and removing 2.5 cm. thick artificial stone flooring - Dismantling and removing 2.5 cm. thick artificial stone flooring including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	23.99219975	Sqm
	i	Un-Skilled	0.21505376344086	5.1596128494624	-
10		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.	-	0.863945568	Cum
	i	Un-Skilled	4.6	3.9741496128	-
	ii	Skilled	0.68	0.58748298624	-

11	<p>Other Building Items. (AR1901Ba) : Vitrified Tile 600mmx600mm Coloured /Printed - Supplying, fitting & fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) 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 work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.</p>	-	23.99219975	Sqm
i	Un-Skilled	0.216	5.182315146	-
ii	Highly-Skilled	0.216	5.182315146	-

12	<p>Flooring (AR0817ab) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) - Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) 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>	-	14.94995076	Sqm	
	i	Highly-Skilled	0.325	4.858733997	-
	ii	Un-Skilled	0.325	4.858733997	-
	iii	Semi-Skilled	0.76	11.3619625776	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Highly-Skilled	28.302248322206	612	17320.97597319
2	Un-Skilled	41.10204734235	462	18989.145872166
3	Semi-Skilled	14.728916940016	512	7541.2054732882

4	Skilled	1.7098011070454	562	960.9082221595
				Total: 44812.235540804

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Painting(AR0901d) :.Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) - Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	-	56.7172815	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	4.764251646	1 Ltr
2	Painting(AR0901di) :.Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface) - Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	-	93.51430174	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	8.4464530603871	1 Ltr

3	Painting(AR0901ak) :.Priming one coat in inner surface with primer of approved quality over woodwork(For repair and maintenance). - Priming one coat in inner surface with primer of approved quality over woodwork including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge(For repair and maintenance).	-	5.016762	Sqm
i)	BRM138 : Wood Primer	0.075	0.37625715	1 Litre
4	miscellaneous(ARM12 2) :.Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge. - Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.	-	150.23158324	Sqm
i)	BRMM122 : Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting)	1	150.23158324	Sqm

5	Painting(AR0920) :.Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) - Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)	-	56.7172815	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	7.0896601875	1 Litre
6	Painting(AR0918f) :.Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside) - Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)	-	93.51430174	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	11.6892877175	1 Ltr
7	Painting(AR0905) :.Painting two coats of enamel on old wood work in inner surface paint - Painting two coats of enamel paint on old wood work in inner surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)	-	5.016762	Sqm
i)	BRM141 : Enamel paint	0.125	0.62709525	1 Litre

8	<p>Other Building Items. (AR1907) :.aluminum sliding window (sliding type) - Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778,as windows frame, section No. 4095,4096 and 9777, 3994 as shutter frame with 5mm thick black glass as panel fitted with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-incharge.</p>	-	3.344508	Sqm
i)	BRMMR0005 : Handel with lock	1.3422818791946	4.4892724832215	Each
ii)	BRM271 : Black glass (I.S.I.) 5mm	1.1006711409396	3.6812034362416	Sqm
iii)	BRMMR0008 : Hire charges of drills machine	0.67114093959732	2.2446362416107	Day
iv)	BRMMR0013 : Al. wheel runner	5.3691275167785	17.957089932886	Each
v)	BRMMR0012 : Window pile	5.0335570469799	16.834771812081	Mtr
vi)	BRMMR0011 : U rubber beading	6.5436241610738	21.885203355705	Mtr
vii)	BRMMR0010 : Al. Screws of different sizes	0.67114093959732	2.2446362416107	L.S.
viii)	BRMMR0009 : PVC Plug	5.3691275167785	17.957089932886	Each
ix)	BRM304 : Aluminium extruded section	5.1330201342282	17.167426903087	kg
9	<p>Dismantling (AR1612) :.Dismantling and removing 2.5 cm. thick artificial stone flooring - Dismantling and removing 2.5 cm. thick artificial stone flooring including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.</p>	-	23.99219975	Sqm

10	<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>	-	0.863945568	Cum
i)	BRM340 : Cement	3.23	2.79054418464	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.3887755056	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	0.7775510112	1 Cum.
11	<p>Other Building Items. (AR1901Ba) :.Vitrified Tile 600mmx600mm Coloured /Printed - Supplying, fitting & fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) 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 work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.</p>	-	23.99219975	Sqm

i)	BRM132 : 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 Coloured / Printed series(Homogeneous)	1	23.99219975	1 Sqm.
ii)	BRM174 : White Cement.	0.0076	0.1823407181	1Qntl
iii)	BRM340 : Cement	0.1074	2.57676225315	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.021	0.50383619475	1 Cum
12	Flooring (AR0817ab) :.Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) - Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) 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.	-	14.94995076	Sqm
i)	BRM132 : 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 Coloured / Printed series(Homogeneous)	1	14.94995076	1 Sqm.
ii)	BRMMR0027 : Wax Polish	1	14.94995076	1 Sqm

iii)	CON026 : cement (Other way)	0.1375	2.0556182295	1000 kg
iv)	BRM340 : Cement	0.1375	2.0556182295	1 Qntl.
v)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.2242492614	1 Cum

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM253	13.210704706387	1 Ltr	159.27787	2104.1729068323
2	BRM138	0.37625715	1 Litre	155.32787	58.443221681771
3	BRMM122	150.23158324	Sqm	5.12	769.1857061888
4	BRM140	7.0896601875	1 Litre	249.58787	1769.4931852219
5	BRM255	11.6892877175	1 Ltr	195.03787	2279.8537782384
6	BRM141	0.62709525	1 Litre	205.58787	128.92317673462
7	BRMMR0005	4.4892724832215	Each	40	179.57089932886
8	BRM271	3.6812034362416	Sqm	705.01	2595.2852345847
9	BRMMR0008	2.2446362416107	Day	100	224.46362416107
10	BRMMR0013	17.957089932886	Each	25	448.92724832215
11	BRMMR0012	16.834771812081	Mtr	10	168.34771812081
12	BRMMR0011	21.885203355705	Mtr	15	328.27805033557
13	BRMMR0010	2.2446362416107	L.S.	30	67.339087248322
14	BRMMR0009	17.957089932886	Each	1.5	26.935634899329
15	BRM304	17.167426903087	kg	297.97	5115.3781943129
16	BRM340	7.42292466729	1 Qntl.	561.987	4171.5871649963
17	BRM028	1.11686096175	1 Cum	1030.79	1151.2491107623
18	BRM056	0.7775510112	1 Cum.	1737.73	1351.1737186926
19	BRM132	38.94215051	1 Sqm.	705.3611111	27468.278552357
20	BRM174	0.1823407181	1Qntl	2041.967	372.3337291165
21	BRMMR0027	14.94995076	1 Sqm	8.5	127.07458146
22	CON026	2.0556182295	1000 kg	0	0
Total: 50906.294523596					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	1.11686096175	1 Cum	442.25	493.93176033394
2	BRM056	0.7775510112	1 Cum.	552.5	429.596933688
Total: 923.52869402194					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 1000	Rs. 1000
2	Display Citizen Board @ Rs. 674.26	Rs. 674.26
Total Addition Component Amount (in Rs.): 1674.26		

Total Net Amount (in Rs.): 99999.992283809