

ESTIMATION DPR							
State	Odisha	District	Nabarangpur	Block	Nabarangpur	Gram Panchayat	Baghasiuni

Work Code	OD/366/3517/120489/427927/00015634 (Repair and Maintenance of UP School, Bhatigam)						
Project Category	Building						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Nabarangpur	Proposal Date	16-07-2024
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	Secondary School	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.	15384
Fund Sanction Amount (in Rs.)	180000

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	4.842	240.77592	1165.83700464
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	4.70846	515.507232	2427.2451815827

3	<p align="center">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	2.55598	5279.21385208	13493.565021639
4	<p>Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside. - 16mm thick cement Plaster in CM (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	47.5674	242.947857936	11556.397937585

5	<p style="text-align: center;">Masonry Brick Work (AR0602ei) : C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:4) in superstructure - Brickwork with C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:4) 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	14.4945	5000.793204	72483.997095378
6	<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	98.44	71.83753306751	7071.6867551657

7	<p style="text-align: center;">Painting (AR0922) : Finishing wall two coats with distemper of approved shades on new work (Inside) - Finishing wall two coats with distemper 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	98.44	78.8505283	7762.046005852
8	<p style="text-align: center;">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) - 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	17.4898	1531.766949501	26790.297593383

9	<p style="text-align: center;">Iron Work (AR1704) : Iron Doors and windows fixing -</p> <p>Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.</p>	Qntl	1.4	17666.663277087	24733.328587922
10	<p style="text-align: center;">Roofing (AR1132a) : Labour for fixing G.C.I. Sheet in roof -</p> <p>Labour for fixing G.C.I. Sheet in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. excluding cost of fitting and as per direction of Engineer-in charge.</p>	Sqm	29.793	191.9	5717.2767
Total Amount (in Rs.): 173201.67788315					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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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>	-	4.842	Cum
i	Un-Skilled	0.516	2.498472	-
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>	-	4.70846	Cum
i	Un-Skilled	0.1236	0.581965656	-

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>	-	2.55598	Cum
i	Skilled	0.18	0.4600764	-
ii	Un-Skilled	3.9	9.968322	-
4	<p>Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside. - 16mm thick cement Plaster in CM (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>	-	47.5674	Sqm
i	Un-Skilled	0.24	11.416176	-
ii	Skilled	0.16	7.610784	-

5	<p>Masonry Brick Work (AR0602ei) : C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:4) in superstructure - Brickwork with C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:4) 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>	-	14.4945	Cum
i	Un-Skilled	2.96	42.90372	-
ii	Skilled	1.05	15.219225	-
iii	Highly-Skilled	0.35	5.073075	-
6	<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>	-	98.44	Sqm

	i	Highly-Skilled	0.053763440860215	5.2924731182796	-
	ii	Un-Skilled	0.053763440860215	5.2924731182796	-
7		Painting (AR0922) : Finishing wall two coats with distemper of approved shades on new work (Inside) - Finishing wall two coats with distemper 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)	-	98.44	Sqm
	i	Highly-Skilled	0.052	5.11888	-
	ii	Un-Skilled	0.062	6.10328	-

8	<p>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) - 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>	-	17.4898	Sqm	
	i	Highly-Skilled	0.325	5.684185	-
	ii	Un-Skilled	0.325	5.684185	-
	iii	Semi-Skilled	0.76	13.292248	-
9	<p>Iron Work (AR1704) : Iron Doors and windows fixing - Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.</p>	-	1.4	Qntl	

i	Un-Skilled	6.3976377952756	8.9566929133858	-
ii	Semi-Skilled	1.9685039370079	2.755905511811	-
iii	Skilled	3.9370078740157	5.511811023622	-
iv	Highly-Skilled	3.4448818897638	4.8228346456693	-
10	Roofing (AR1132a) : Labour for fixing G.C.I. Sheet in roof - Labour for fixing G.C.I. Sheet in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. excluding cost of fitting and as per direction of Engineer-in charge.	-	29.793	Sqm
i	Un-Skilled	0.21505376344086	6.4070967741935	-
ii	Skilled	0.16129032258065	4.8053225806452	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	99.812383461859	462	46113.321159379
2	Skilled	33.607219004267	562	18887.257080398
3	Highly-Skilled	25.991447763949	612	15906.766031537
4	Semi-Skilled	16.048153511811	512	8216.6545980472
Total:				89123.998869361

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	-	4.842	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.	-	4.70846	Cum
i)	BRM029 : Sand for filling and road blinding	1	4.70846	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.	-	2.55598	Cum
i)	BRM340 : Cement	2.29	5.8531942	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	1.2268704	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	2.4537408	1 Cum.
4	Plastering (AR1014) :.16mm thick cement Plaster in CM (1:6) over brick work in inside. - 16mm thick cement Plaster in CM (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.	-	47.5674	Sqm
i)	BRM340 : Cement	0.043	2.0453982	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.8562132	1 Cum
5	Masonry Brick Work (AR0602ei) :.C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:4) in superstructure - Brickwork with C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:4) 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.	-	14.4945	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	14.4945	1 Cum

ii)	BRM002 : Well burnt clamp burnt bricks (23 Cm. x 11Cm. x 8Cm.) having crushing strength not less than 35 Kg./Cm ² with dimensional tolerance \pm 8 percent.	400	5797.8	1000 Nos
iii)	BRM340 : Cement	1	14.4945	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.28	4.05846	1 Cum
6	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.	-	98.44	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	8.26896	1 Ltr
7	Painting(AR0922) :.Finishing wall two coats with distemper of approved shades on new work (Inside) - Finishing wall two coats with distemper 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)	-	98.44	Sqm
i)	BRM142 : Distemper	0.25	24.61	1 Kg.

8	<p>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) - 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>	-	17.4898	Sqm
i)	<p>BRM131 : 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	17.4898	1 Sqm.
ii)	<p>BRMMR0027 : Wax Polish</p>	1	17.4898	1 Sqm
iii)	<p>BRM340 : Cement</p>	0.1375	2.4048475	1 Qntl.
iv)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.015	0.262347	1 Cum
9	<p>Iron Work(AR1704) :.Iron Doors and windows fixing - Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.</p>	-	1.4	Qntl
i)	<p>BRM341 : Steel</p>	1	1.4	1 Qntl.

10	Roofing (AR1132a) :.Labour for fixing G.C.I. Sheet in roof - Labour for fixing G.C.I. Sheet in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. excluding cost of fitting and as per direction of Engineer-in charge.	-	29.793	Sqm
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SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	4.70846	1 Cum	413.05	1944.829403
2	BRM340	24.7979399	1 Qntl.	579.172	14362.272447763
3	BRM028	6.4038906	1 Cum	417.24	2671.959313944
4	BRM044	2.4537408	1 Cum.	1336.36	3279.081055488
5	BRMMR0025	14.4945	1 Cum	33	478.3185
6	BRM002	5797.8	1000 Nos	4.67382	27097.873596
7	BRM253	8.26896	1 Ltr	159.33732	1317.5539255872
8	BRM142	24.61	1 Kg.	70.40732	1732.7241452
9	BRM131	17.4898	1 Sqm.	662.3175001	11583.800613249
10	BRMMR0027	17.4898	1 Sqm	8.5	148.6633
11	BRM341	1.4	1 Qntl.	7807.482	10930.4748
Total: 75547.551100231					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	4.70846	1 Cum	40.25	189.515515
2	BRM028	6.4038906	1 Cum	40.25	257.75659665
3	BRM044	2.4537408	1 Cum.	149.5	366.8342496
4	BRM002	5797.8	1000 Nos	0.04025	233.36145
Total: 1047.46781125					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Display Citizen Board @ Rs. 2000	Rs. 2000
2	Any Other Lumpsum @ Rs. 4300	Rs. 4300

3	Provision for survey investigation and quality control @ Rs. 497	Rs. 497
Total Addition Component Amount (in Rs.): 6797		

Total Net Amount (in Rs.): 179998.67788315