

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Mayurbhanj	<b>Block</b>	Kuliana	<b>Gram Panchayat</b>	Gangraj

<b>Work Code</b>	OD/365/3500/120248/389427/00049788 (Construction of New Toilet at Dahigan)
<b>Project Category</b>	Building

<b>Financial Year</b>	2023-24	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Kuliana	<b>Proposal Date</b>	05-07-2024
<b>Date of Commencement</b>	06-09-2025	<b>Date of Completion</b>	23-09-2025
<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>	Elementary School	<b>Project Type</b>	New Work
<b>Name of Executant</b>	SRIMANTA SETHI		

### Administrative Approval Details

<b>Approval No.</b>	OD/365/3500/120248/389427/00049788/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/365/3500/120248/389427/00049788/TS
<b>Fund Sanction No.</b>	4870
<b>Fund Sanction Amount (in Rs.)</b>	150000

### LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<p><b>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b></p> <p>Earth work in hard soil or gravelly soil foundation &amp; 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>	-	17.772299999055	Cum

	i	Un-Skilled	0.516	9.1705067995124	-
2		<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 & P required for the work etc. complete and as per direction of Engineer-in charge.	-	2.30886	Cum
	i	Un-Skilled	0.1236	0.285375096	-
3		<b>Concrete (AR0304) : Cement concrete (1:4:8) with 4 cm. hard granite(Crusher Broken) metal -</b> Cement concrete (1:4:8) 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.	-	1.77182	Cum
	i	Un-Skilled	3.9	6.910098	-
	ii	Skilled	0.18	0.3189276	-

4	<b>Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</b> - 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 <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.	-	4.12425	Cum
i	Un-Skilled	2.96	12.20778	-
ii	Skilled	1.05	4.3304625	-
iii	Highly-Skilled	0.35	1.4434875	-

5	<b>R.C.C. Work (AR0404Aa) :</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 foundation, footing bases of column, mass concrete, pre-cast slabs etc.)	-	1.5195	Cum
i	Un-Skilled	1.3333	2.02594935	-
ii	Skilled	0.175	0.2659125	-
iii	Semi-Skilled	0.1323	0.20102985	-

6	<b>R.C.C. Work (AR0404Ab) : 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)	-	0.323	Cum
i	Un-Skilled	1.3333	0.4306559	-
ii	Skilled	0.35	0.11305	-
iii	Semi-Skilled	0.3073	0.0992579	-

7	<b>R.C.C. Work (AR0404Bg) :</b> <b>Reinforced cement concrete work of M-20 grade with 20mm &amp; downgrade size black hard crusher broken granite chips(RCC Roof slab, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9). -</b> Reinforced cement concrete work of M-20 grade with 20mm & downgrade 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 Roof slab, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9).	-	0.93872	Cum
i	Un-Skilled	1.3333	1.251595376	-
ii	Skilled	3.15525	2.96189628	-
iii	Semi-Skilled	3.11255	2.921812936	-

8	<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>	-	2.502	Qntl
i	Un-Skilled	0.8	2.0016	-
ii	Highly-Skilled	0.3	0.7506	-
iii	Semi-Skilled	0.044	0.110088	-
9	<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>	-	6.012	Sqm
i	Un-Skilled	0.12	0.72144	-

	ii	Skilled	0.14	0.84168	-
10		<b>Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.</b> - 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.	-	29.199	Sqm
	i	Un-Skilled	0.24	7.00776	-
	ii	Skilled	0.16	4.67184	-
11		<b>Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)</b> - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.	-	5.3712	Sqm
	i	Un-Skilled	0.17	0.913104	-
	ii	Skilled	0.14	0.751968	-

12	<b>Iron Work (AR1704) : Iron Doors and windows fixing -</b> 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.	-	0.567	Qntl
i	Un-Skilled	6.3976377952756	3.6274606299213	-
ii	Semi-Skilled	1.9685039370079	1.1161417322835	-
iii	Skilled	3.9370078740157	2.2322834645669	-
iv	Highly-Skilled	3.4448818897638	1.9532480314961	-

13	<p><b>Flooring (AR0816) :</b>  <b>Fixing ceramic Tiles</b>  <b>(30cmx30cm /</b>  <b>40cmx40cm special</b>  <b>plain/printed series</b>  <b>ceramic floor tiles of</b>  <b>premium grade</b>  <b>having thickness</b>  <b>7mm to 8mm</b>  <b>confirming to IS</b>  <b>13755) in floor -</b> Fixing  ceramic Tiles  (30cmx30cm /  40cmx40cm special  plain/printed series  ceramic floor tiles of  premium grade having  thickness 7mm to 8mm  confirming to IS 13755)  in floor , treads or steps  and landing on a 25mm  thick bed of cement  mortar 1:1 (1cement:  1sand) jointed with neat  cement slurry mixed  with pigment to match  the shades of the  ceramic tiles including  rubbing and polishing,  cost of precast tiles  complete as per  direction of Engineer-in-  charge.</p>	-	2.9702	Sqm
i	Un-Skilled	0.216	0.6415632	-
ii	Highly-Skilled	0.216	0.6415632	-
iii	Semi-Skilled	0.55	1.63361	-

14	<p><b>Flooring (AR0817b) :</b>  <b>Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) -</b> Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.</p>	-	4.284	Sqm
i	Un-Skilled	0.325	1.3923	-
ii	Highly-Skilled	0.325	1.3923	-

15	<p><b>Painting (AR0917hk) :</b>  <b>Finishing wall with one coat weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work (Outside)(For repair and maintenance).</b> -  Finishing wall with one coat weather coat paint of approved shade including one coat of water bound primer 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)(For repair and maintenance).</p>	-	18.933	Sqm
i	Highly-Skilled	0.091558709677419	1.7334810503226	-
ii	Un-Skilled	0.098698709677419	1.8686626703226	-
16	<p><b>Painting (AR0922) :</b>  <b>Finishing wall two coats with distemper of approved shades on new work (Inside) -</b>  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>	-	15.6422	Sqm
i	Highly-Skilled	0.052	0.8133944	-
ii	Un-Skilled	0.062	0.9698164	-

17	<b>Painting (AR0903a) : Painting two coats of enamel paint with a coat of wood primer in inner surface paint (Inside)</b> - Painting two coats of enamel paint with a coat of wood primer in inner surface paint including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)	-	4.2525	Sqm
i	Highly-Skilled	0.18817204301075	0.80020161290323	-
ii	Un-Skilled	0.17204301075269	0.73161290322581	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	52.157280324982	462	24096.663510142
1	Skilled	16.488020344567	562	9266.2674336466
2	Highly-Skilled	9.5282757947219	612	5831.3047863698
3	Semi-Skilled	6.0819404182835	512	3113.9534941611
<b>Total:</b>				<b>42308.189224319</b>