

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Sambalpur	<b>Block</b>	Dhankauda	<b>Gram Panchayat</b>	Bishalkhinda

<b>Work Code</b>	OD/371/3559/121297/381718/00013319 (Construction of Market Complex at Titheipali)						
<b>Project Category</b>	Building						

<b>Financial Year</b>	2023-24	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Dhankauda	<b>Proposal Date</b>	08-05-2023
<b>Date of Commencement</b>	30-08-2025	<b>Date of Completion</b>	-
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	Creation of Capital Asset for Revenue Generation
<b>Project Sub-Category</b>	Market Complex	<b>Project Type</b>	New Work
<b>Name of Executant</b>	ASHRITA TOPNO		

### Administrative Approval Details

<b>Approval No.</b>	OD/371/3559/121297/381718/00013319/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/371/3559/121297/381718/00013319/TS
<b>Fund Sanction No.</b>	12821
<b>Fund Sanction Amount (in Rs.)</b>	1000000

### 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 (AR0122Ai1) :</b>  <b>Earthwork in all kinds of soil within 50m to 75m 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</b> - Earthwork in all kinds of soil within 50m to 75m 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 direction of the Engineer-in-charge.</p>	-	20.27055	Cum
i	Un-Skilled	0.503534	10.2069111237	-
2	<p><b>Earth Work (AR0115) :</b>  <b>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>	-	21.92734	Cum
i	Un-Skilled	0.1236	2.710219224	-

3	<b>Concrete (AR0303) :</b> <b>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&P required for the work etc. complete and as per direction of Engineer-in charge.	-	7.88807	Cum
i	Skilled	0.18	1.4198526	-
ii	Un-Skilled	3.9	30.763473	-

4	<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.)	-	5.19	Cum
i	Un-Skilled	1.3333	6.919827	-
ii	Skilled	0.175	0.90825	-
iii	Semi-Skilled	0.1323	0.686637	-

5	<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)	-	1.85955	Cum
i	Un-Skilled	1.3333	2.479338015	-
ii	Skilled	0.35	0.6508425	-
iii	Semi-Skilled	0.3073	0.571439715	-

6	<b>R.C.C. Work (AR0404Ad) :</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 Lintels)	-	1.27834	Cum
i	Un-Skilled	1.3333	1.704410722	-
ii	Skilled	2.34375	2.996109375	-
iii	Semi-Skilled	2.30105	2.941524257	-

7	<b>R.C.C. Work (AR0405Ac) :</b> <b>Reinforced cement concrete work of M-25 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> Reinforced cement concrete work of M-25 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)	-	3.56573	Cum
i	Un-Skilled	1.3333	4.754187809	-
ii	Skilled	5.33875	19.0365410375	-
iii	Semi-Skilled	5.29605	18.8842843665	-

8	<b>R.C.C. Work (AR0405Ag) :</b> <b>Reinforced cement concrete work of M-25 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> Reinforced cement concrete work of M-25 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 Roof slab, lending, balcony, sun shed)	-	4.9387125	Cum
i	Un-Skilled	1.3333	6.58478537625	-
ii	Skilled	3.15525	15.582872615625	-
iii	Semi-Skilled	3.11255	15.371989591875	-

9	<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>	-	16.6065	Qntl
i	Un-Skilled	0.8	13.2852	-
ii	Highly-Skilled	0.3	4.98195	-
iii	Semi-Skilled	0.044	0.730686	-
10	<p><b>Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth</b>  - Brickwork with Flyash Bricks of size (23cm x 11cm 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&amp;P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	29.83455	Cum

	i	Un-Skilled	2.96	88.310268	-
	ii	Skilled	1.05	31.3262775	-
	iii	Highly-Skilled	0.35	10.4420925	-
11		<p><b>Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure -</b>  Brickwork with Flyash Bricks of size (23cm x 11cm 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 <math>\pm 8</math> 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>	-	15.477634	Cum
	i	Un-Skilled	2.96	45.81379664	-
	ii	Skilled	1.05	16.2515157	-
	iii	Highly-Skilled	0.35	5.4171719	-

12	<p><b>Plastering (AR1027) :</b>  <b>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 &amp; P required for the work, etc comp. and as per the direction of the Engineer-in-charge.</p>	-	27.9075	Sqm
i	Un-Skilled	0.17	4.744275	-
ii	Skilled	0.14	3.90705	-
13	<p><b>Plastering (AR1004) :</b>  <b>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>	-	132.9515	Sqm
i	Un-Skilled	0.12	15.95418	-
ii	Skilled	0.14	18.61321	-

14	<p><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 &amp; P required for the work etc comp.and as per direction of Engineer-in-charge.</p>	-	104.4735	Sqm
i	Un-Skilled	0.24	25.07364	-
ii	Skilled	0.16	16.71576	-
15	<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>	-	44.6961	Sqm
i	Un-Skilled	0.216	9.6543576	-
ii	Highly-Skilled	0.216	9.6543576	-

16	<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>	-	9.334	Sqm
i	Highly-Skilled	0.325	3.03355	-
ii	Un-Skilled	0.325	3.03355	-
iii	Semi-Skilled	0.76	7.09384	-

17	<p><b>Flooring (AR0816j) : Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 -</b>  Fixing Chequered Tiles 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 Chequered tiles including rubbing and polishing, cost of precast tiles complete as per direction of Enginer-in-charge.</p>	-	7.5525	Sqm
	i Un-Skilled	0.216	1.63134	-
	ii Highly-Skilled	0.216	1.63134	-
	iii Semi-Skilled	0.55	4.153875	-
18	<p><b>Flooring (AR0817ap) : Fixing Chequered Tiles in dados skirting and risers of steps on 12mm thick cement plaster (1:3) -</b>  Fixing Chequered Tiles 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 Chequered tiles including rubbing and polishing complete including cost of precast tiles.</p>	-	4.5315	Sqm
	i Highly-Skilled	0.325	1.4727375	-

	ii	Un-Skilled	0.325	1.4727375	-
	iii	Semi-Skilled	0.76	3.44394	-
19		<b>Roofing (AR1132) : Supplying, feeting &amp; fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties -</b> Supplying, fitting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. including cost of fitting, Labour and material etc. complete as per direction of Engineer-in-Charge	-	21.147	Sqm
	i	Un-Skilled	0.21505376344086	4.5477419354839	-
	ii	Highly-Skilled	0.16129032258065	3.4108064516129	-
20		<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.	-	6.05583	Qntl
	i	Un-Skilled	6.3976377952756	38.743006889764	-
	ii	Semi-Skilled	1.9685039370079	11.92092519685	-

	iii	Skilled	3.9370078740157	23.841850393701	-
	iv	Highly-Skilled	3.4448818897638	20.861619094488	-
21		<b>Painting (AR0903ia) : Painting two coats of enamel paint with a coat of wood primer in outer surface paint (Outside) -</b> Painting two coats of enamel paint with a coat of wood primer in outer 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.(Outside)	-	34.7895	Sqm
	i	Highly-Skilled	0.18817204301075	6.5464112903226	-
	ii	Un-Skilled	0.17204301075269	5.9852903225806	-
22		<b>Painting (AR0922) : 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)	-	113.776	Sqm
	i	Highly-Skilled	0.052	5.916352	-
	ii	Un-Skilled	0.062	7.054112	-

23	<p><b>Painting (AR0918f) : Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside) -</b>          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>	-	132.9515	Sqm
i	Un-Skilled	0.064	8.508896	-
ii	Highly-Skilled	0.054	7.179381	-
24	<p><b>Earth Work (AR0115a) : Filling foundation and plinth with crusher dust well watered and rammed -</b>          Filling foundation and plinth with crusher dust 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>	-	51.70947	Cum
i	Un-Skilled	0.1236	6.391290492	-

25	<b>Earth Work (AR0114a) : Filling of foundation with escalated earth -</b> Filling in foundation and plinth with excavated materials in Hard soil / Gravelly soil including watering and ramming as directed by the Engineer-in-charge.	-	44.6269	Cum
i	Un-Skilled	0.286666	12.7930149154	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	359.11984956518	462	165913.37049911
1	Skilled	151.25013172183	562	85002.574027666
2	Semi-Skilled	65.799141127225	512	33689.160257139
3	Highly-Skilled	80.547769336424	612	49295.234833891
<b>Total:</b>				<b>333900.33961781</b>