

ESTIMATION DPR							
State	Odisha	District	Kandhamal	Block	Tumudibandh	Gram Panchayat	Jhiripani

Work Code	OD/359/3433/119013/417045/00023166 (Const. of Market Complex at Jhiripani)
Project Category	Building

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Tumudibandh	Proposal Date	22-07-2024
Date of Commencement	18-03-2026	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Creation of Capital Asset for Revenue Generation
Project Sub-Category	Market Complex	Project Type	New Work
Name of Executant	Sunil Kumar Pradhan		

Administrative Approval Details

Approval No.	OD/359/3433/119013/417045/00023166/AS
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Technical Sanction Details

Technical Sanction No.	OD/359/3433/119013/417045/00023166/TS
Fund Sanction No.	7387
Fund Sanction Amount (in Rs.)	1000000

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement 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	-	33.8368062	Cum

	i	Un-Skilled	0.516	17.4597919992	-
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.	-	18.66041724	Cum
	i	Un-Skilled	0.1236	2.306427570864	-
3		Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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.	-	10.06626844	Cum
	i	Un-Skilled	3.9	39.258446916	-
	ii	Skilled	0.18	1.8119283192	-

4	Masonry Stone Work (AR0703) : Random rubble H.G. stone of masonry. - Random rubble H.G. stone of size not less than 0.0025 cum stacked masonry in cement mortar (1:6) in foundation and plinth including watering, curing for seven days 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.	-	16.3411438944	Cum
i	Un-Skilled	3.17	51.801426145248	-
ii	Skilled	1.41	23.041012891104	-
iii	Highly-Skilled	0.35	5.71940036304	-

5	R.C.C. Work (AR0404Aa) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - 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.)	-	5.66336	Cum
i	Un-Skilled	1.3333	7.550957888	-
ii	Skilled	0.175	0.991088	-
iii	Semi-Skilled	0.1323	0.749262528	-

6	R.C.C. Work (AR0404Ab) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - 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)	-	2.0471064224	Cum
i	Un-Skilled	1.3333	2.7294069929859	-
ii	Skilled	0.35	0.71648724784	-
iii	Semi-Skilled	0.3073	0.62907580360352	-

7	R.C.C. Work (AR0404Ad) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - 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)	-	1.52769136	Cum
i	Un-Skilled	1.3333	2.036870890288	-
ii	Skilled	2.34375	3.580526625	-
iii	Semi-Skilled	2.30105	3.515294203928	-

8	R.C.C. Work (AR0404Ac) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - 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)	-	4.3574458176	Cum
i	Un-Skilled	1.3333	5.8097825086061	-
ii	Skilled	5.33875	23.263313858712	-
iii	Semi-Skilled	5.29605	23.0772509223	-

9	R.C.C. Work (AR0404Ag) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - 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 Roof slab, landing, balcony, sun shade)	-	9.2238843595584	Cum
i	Un-Skilled	1.3333	12.298205016599	-
ii	Skilled	3.15525	29.103661125497	-
iii	Semi-Skilled	3.11255	28.709801263344	-

10	<p>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 - 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>	-	22.8	Qntl
i	Un-Skilled	0.8	18.24	-
ii	Highly-Skilled	0.3	6.84	-
iii	Semi-Skilled	0.044	1.0032	-
11	<p>Masonry Brick Work (AR0603di) : C.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:4) in superstructure - Brickwork with C.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) 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>	-	23.549949888	Cum

	i	Un-Skilled	2.96	69.70785166848	-
	ii	Skilled	1.05	24.7274473824	-
	iii	Highly-Skilled	0.35	8.2424824608	-
12		Plastering (AR1004k) : 12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth(For repair and maintenance). - 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(For repair and maintenance).	-	95.9502184	Sqm
	i	Un-Skilled	0.1224	11.74430673216	-
	ii	Skilled	0.1428	13.70169118752	-

13	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.	-	140.840948	Sqm
i	Un-Skilled	0.24	33.80182752	-
ii	Skilled	0.16	22.53455168	-
14	Plastering (AR1008) : 20mm thick cement Plaster in CM (1:6) over brick work in inside. - 20mm thick cement Plaster in CM (1:6) for stone 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.	-	20.75081408	Sqm
i	Un-Skilled	0.24	4.9801953792	-
ii	Skilled	0.16	3.3201302528	-

15	<p>Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory - Supplying, fitting & 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&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)</p>	-	37.1612	Sqm
i	Un-Skilled	0.216	8.0268192	-
ii	Highly-Skilled	0.216	8.0268192	-
16	<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>	-	6.874822	Sqm

	i	Highly-Skilled	0.325	2.23431715	-
	ii	Un-Skilled	0.325	2.23431715	-
	iii	Semi-Skilled	0.76	5.22486472	-
17		Painting (AR0918c) : Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work (Outside) - Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new 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)	-	273.9523664	Sqm
	i	Un-Skilled	0.042752688172043	11.712200094692	-
	ii	Highly-Skilled	0.022	6.0269520608	-
	iii	Skilled	0.0080645161290323	2.2092932774194	-

18	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.	-	5.88	Qntl
i	Un-Skilled	6.3976377952756	37.61811023622	-
ii	Semi-Skilled	1.9685039370079	11.574803149606	-
iii	Skilled	3.9370078740157	23.149606299213	-
iv	Highly-Skilled	3.4448818897638	20.255905511811	-
19	Painting (AR0903a) : Painting two coats of enamel paint with a coat of wood primer in inner surface paint (Inside) - 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)	-	35.117334	Sqm
i	Highly-Skilled	0.18817204301075	6.608100483871	-
ii	Un-Skilled	0.17204301075269	6.0416918709677	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
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0	Un-Skilled	345.35863577951	462	159555.68973013
1	Skilled	172.1507381467	562	96748.714838448
2	Highly-Skilled	63.953977230322	612	39139.834064957
3	Semi-Skilled	74.483552590782	512	38135.57892648
				Total: 333579.81756002