

ESTIMATION DPR							
State	Odisha	District	Jharsuguda	Block	Jharsuguda	Gram Panchayat	H.Katapalli

Work Code	OD/357/3404/118520/381114/00013551 (Construction of Market complex at Boxi chowk)
Project Category	Building

Financial Year	2020-21	Execution Level	PS
Executing Agency	Panchayat Samiti, Jharsuguda	Proposal Date	02-11-2023
Date of Commencement	22-07-2025	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	Fagu Murmu Transferred		

Administrative Approval Details

Approval No.	OD/357/3404/118520/381114/00013551/AS
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Technical Sanction Details

Technical Sanction No.	OD/357/3404/118520/381114/00013551/TS
Fund Sanction No.	1111
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	-	48.7764	Cum

	i	Un-Skilled	0.516	25.1686224	-
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.	-	22.0524	Cum
	i	Un-Skilled	0.1236	2.72567664	-
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.	-	10.8264	Cum
	i	Skilled	0.18	1.948752	-
	ii	Un-Skilled	3.9	42.22296	-

4	Masonry Brick Work (AR0602c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:4) in foundation and plinth - Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:4) in foundation and plinth 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.	-	10.86105	Cum
i	Un-Skilled	3.1	33.669255	-
ii	Skilled	1.05	11.4041025	-
iii	Highly-Skilled	0.35	3.8013675	-

5	Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) 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.	-	18.28477	Cum
i	Un-Skilled	2.96	54.1229192	-
ii	Skilled	1.05	19.1990085	-
iii	Highly-Skilled	0.35	6.3996695	-

6	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.)	-	7.8204	Cum
i	Un-Skilled	1.3333	10.42693932	-
ii	Skilled	0.175	1.36857	-
iii	Semi-Skilled	0.1323	1.03463892	-

7	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)	-	2.789417	Cum
i	Un-Skilled	1.3333	3.7191296861	-
ii	Skilled	0.35	0.97629595	-
iii	Semi-Skilled	0.3073	0.8571878441	-

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)	-	4.35643	Cum
i	Un-Skilled	1.3333	5.808428119	-
ii	Skilled	5.33875	23.2578906625	-
iii	Semi-Skilled	5.29605	23.0718711015	-

9	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)	-	1.708072	Cum
i	Un-Skilled	1.3333	2.2773723976	-
ii	Skilled	2.34375	4.00329375	-
iii	Semi-Skilled	2.30105	3.9303590756	-

10	R.C.C. Work (AR0404Bg) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips(RCC Roof slab, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9). - 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).	-	8.5102075	Cum
i	Un-Skilled	1.3333	11.34665965975	-
ii	Skilled	3.15525	26.851832214375	-
iii	Semi-Skilled	3.11255	26.488446354125	-

11	<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>	-	26	Qntl
i	Un-Skilled	0.8	20.8	-
ii	Highly-Skilled	0.3	7.8	-
iii	Semi-Skilled	0.044	1.144	-
12	<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>	-	120.4157	Sqm
i	Un-Skilled	0.24	28.899768	-

	ii	Skilled	0.16	19.266512	-
13		Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside - 12mm thick cement plster (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.	-	143.4889	Sqm
	i	Un-Skilled	0.12	17.218668	-
	ii	Skilled	0.14	20.088446	-
14		Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) - 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.	-	84.4555	Sqm
	i	Un-Skilled	0.17	14.357435	-
	ii	Skilled	0.14	11.82377	-

15		Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.	-	59.4192	Sqm
	i	Un-Skilled	0.36	21.390912	-
	ii	Highly-Skilled	0.13	7.724496	-
16		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.	-	523.37	Sqm
	i	Highly-Skilled	0.053763440860215	28.138172043011	-
	ii	Un-Skilled	0.053763440860215	28.138172043011	-

17	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)	-	148	Sqm
i	Highly-Skilled	0.052	7.696	-
ii	Un-Skilled	0.062	9.176	-
18	Painting (AR0901b) : Priming one coat in inner surface with primer of approved quality over iron work. - Priming one coat in inner surface with primer of approved quality over iron work including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	-	35.9916	Sqm
i	Highly-Skilled	0.053763440860215	1.9350322580645	-
ii	Un-Skilled	0.053763440860215	1.9350322580645	-

19	Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface) - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	8.175	Sqm
	i Highly-Skilled	0.13440860215054	1.0987903225806	-
	ii Un-Skilled	0.11827956989247	0.96693548387097	-
20	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.	-	4.45	Qntl
	i Un-Skilled	6.3976377952756	28.469488188976	-
	ii Semi-Skilled	1.9685039370079	8.759842519685	-
	iii Skilled	3.9370078740157	17.51968503937	-
	iv Highly-Skilled	3.4448818897638	15.329724409449	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
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0	Un-Skilled	362.84037339637	462	167632.25250912
1	Skilled	157.70815861625	562	88631.98514233
2	Highly-Skilled	79.923252033105	612	48913.03024426
3	Semi-Skilled	65.28634581501	512	33426.609057285
				Total: 338603.876953