

ESTIMATION DPR							
State	Odisha	District	Kendrapara	Block	Derabish	Gram Panchayat	Khamala

Work Code	OD/360/3435/119066/396688/00013852 (construction of Market complex at Bishok chhak)
Project Category	Building

Financial Year	2022-23	Execution Level	PS
Executing Agency	Panchayat Samiti, Derabish	Proposal Date	28-05-2021
Date of Commencement	02-07-2025	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	HIMANSU PATI		

Administrative Approval Details

Approval No.	OD/360/3435/119066/396688/00013852/AS
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Technical Sanction Details

Technical Sanction No.	OD/360/3435/119066/396688/00013852/TS
Fund Sanction No.	19248
Fund Sanction Amount (in Rs.)	1000000

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	Earth Work (AR0102a) : Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil 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	-	26.795	Cum
i	Un-Skilled	0.43	11.52185	-

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.	-	55.27188	Cum
i	Un-Skilled	0.1236	6.831604368	-
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.	-	9.15426	Cum
i	Skilled	0.18	1.6477668	-
ii	Un-Skilled	3.9	35.701614	-

4	R.C.C. Work (AR0404Ba) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips(RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc)(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 foundation, footing bases of column, mass concrete, pre-cast slabs etc)(Nominal mix as per IS-456, Table-9).	-	4.5248	Cum
i	Un-Skilled	1.3333	6.03291584	-
ii	Skilled	0.175	0.79184	-
iii	Semi-Skilled	0.1323	0.59863104	-

5	R.C.C. Work (AR0404Bb) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips(RCC Plinth band)(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 Plinth band)(Nominal mix as per IS-456, Table-9)..	-	2.84	Cum
i	Un-Skilled	1.3333	3.786572	-
ii	Skilled	0.35	0.994	-
iii	Semi-Skilled	0.3073	0.872732	-

6	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)	-	6.13045	Cum
i	Un-Skilled	1.3333	8.173728985	-
ii	Skilled	5.33875	32.7289399375	-
iii	Semi-Skilled	5.29605	32.4671697225	-

7	R.C.C. Work (AR0404Bd) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips(RCC Lintels)(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 Lintels)(Nominal mix as per IS-456, Table-9).	-	1.98125	Cum
i	Un-Skilled	1.3333	2.641600625	-
ii	Skilled	2.34375	4.6435546875	-
iii	Semi-Skilled	2.30105	4.5589553125	-

8	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).	-	6.40915	Cum
i	Un-Skilled	1.3333	8.545319695	-
ii	Skilled	3.15525	20.2224705375	-
iii	Semi-Skilled	3.11255	19.9487998325	-

9	Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth - 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 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.	-	14.84728	Cum
i	Un-Skilled	2.96	43.9479488	-
ii	Skilled	1.05	15.589644	-
iii	Highly-Skilled	0.35	5.196548	-

10	Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - 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 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.	-	22.6725	Cum
i	Un-Skilled	2.96	67.1106	-
ii	Skilled	1.05	23.806125	-
iii	Highly-Skilled	0.35	7.935375	-
11	Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside - 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.	-	89.715	Sqm
i	Un-Skilled	0.12	10.7658	-

	ii	Skilled	0.14	12.5601	-
12		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.	-	156	Sqm
	i	Un-Skilled	0.24	37.44	-
	ii	Skilled	0.16	24.96	-
13		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.	-	39.604	Sqm
	i	Un-Skilled	0.24	9.50496	-
	ii	Skilled	0.16	6.33664	-

14	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.	-	5.6	Qntl
i	Un-Skilled	6.3976377952756	35.826771653543	-
ii	Semi-Skilled	1.9685039370079	11.023622047244	-
iii	Skilled	3.9370078740157	22.047244094488	-
iv	Highly-Skilled	3.4448818897638	19.291338582677	-
15	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.	-	21	Qntl
i	Un-Skilled	0.8	16.8	-

	ii	Highly-Skilled	0.3	6.3	-
	iii	Semi-Skilled	0.044	0.924	-
16		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.	-	57.9	Sqm
	i	Un-Skilled	0.36	20.844	-
	ii	Highly-Skilled	0.13	7.527	-
17		Painting (AR0918ca) : Finishing wall two coats with weather coat with one coat oilbound Primer - Finishing wall surface two coats with weather coat with one coat oilbound Primer 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)	-	133.44	Sqm
	i	Un-Skilled	0.11776344086022	15.714353548387	-
	ii	Highly-Skilled	0.10776344086022	14.379953548387	-

18		Painting (AR0922b) : Finishing wall surface with two coats with distemper of approved shades above one coat waterbound Primer on new work (Inside) - Finishing wall surface with two coats with distemper of approved shades above one coat waterbound Primer for new work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)	-	177.84	Sqm
	i	Highly-Skilled	0.10576344086022	18.808970322581	-
	ii	Un-Skilled	0.11576344086022	20.587370322581	-
19		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.	-	45.36	Sqm
	i	Highly-Skilled	0.053763440860215	2.4387096774194	-
	ii	Un-Skilled	0.053763440860215	2.4387096774194	-

20	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)	-	45.36	Sqm
i	Highly-Skilled	0.13440860215054	6.0967741935484	-
ii	Un-Skilled	0.11827956989247	5.3651612903226	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	369.58088080525	462	170746.36693203
1	Skilled	166.32832505699	562	93476.518682027
2	Semi-Skilled	70.393909954744	512	36041.681896829
3	Highly-Skilled	87.974669324613	612	53840.497626663
				Total: 354105.06513755