

ESTIMATION DPR							
State	Odisha	District	Sambalpur	Block	Rairakhol	Gram Panchayat	Luhapank

Work Code	OD/371/3565/121406/382416/00055790 (Construction of Market Complex, Luhapank)
Project Category	Building

Financial Year	2022-23	Execution Level	PS
Executing Agency	Panchayat Samiti, Rairakhol	Proposal Date	-
Date of Commencement	14-11-2025	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	Hemangini Bhoi		

Administrative Approval Details

Approval No.	OD/371/3565/121406/382416/00055790/AS
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Technical Sanction Details

Technical Sanction No.	OD/371/3565/121406/382416/00055790/TS
Fund Sanction No.	
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	-	43.9112	Cum

	i	Un-Skilled	0.516	22.6581792	-
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.	-	32.24226	Cum
	i	Un-Skilled	0.1236	3.985143336	-
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.	-	16.17292	Cum
	i	Skilled	0.18	2.9111256	-
	ii	Un-Skilled	3.9	63.074388	-

4	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.)	-	3.721	Cum
i	Un-Skilled	1.3333	4.9612093	-
ii	Skilled	0.175	0.651175	-
iii	Semi-Skilled	0.1323	0.4922883	-

5	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)	-	2.377855	Cum
i	Un-Skilled	1.3333	3.1703940715	-
ii	Skilled	0.35	0.83224925	-
iii	Semi-Skilled	0.3073	0.7307148415	-

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)	-	4.02292	Cum
i	Un-Skilled	1.3333	5.363759236	-
ii	Skilled	5.33875	21.47736415	-
iii	Semi-Skilled	5.29605	21.305585466	-

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)	-	1.550775	Cum
i	Un-Skilled	1.3333	2.0676483075	-
ii	Skilled	2.34375	3.63462890625	-
iii	Semi-Skilled	2.30105	3.56841081375	-

8	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)	-	6.23348	Cum
i	Un-Skilled	1.3333	8.311098884	-
ii	Skilled	3.15525	19.66818777	-
iii	Semi-Skilled	3.11255	19.402018174	-

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.	-	15.424775	Cum
i	Un-Skilled	2.96	45.657334	-
ii	Skilled	1.05	16.19601375	-
iii	Highly-Skilled	0.35	5.39867125	-

10	<p>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/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>	-	26.352503	Cum
i	Un-Skilled	2.96	78.00340888	-
ii	Skilled	1.05	27.67012815	-
iii	Highly-Skilled	0.35	9.22337605	-
11	<p>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.</p>	-	136.272768	Sqm
i	Un-Skilled	0.12	16.35273216	-

	ii	Skilled	0.14	19.07818752	-
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.	-	171.03148	Sqm
	i	Un-Skilled	0.24	41.0475552	-
	ii	Skilled	0.16	27.3650368	-
13		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.	-	92.7878	Sqm
	i	Un-Skilled	0.17	15.773926	-
	ii	Skilled	0.14	12.990292	-

14	<p>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.</p>	-	65.0485	Sqm
	i Un-Skilled	0.36	23.41746	-
	ii Highly-Skilled	0.13	8.456305	-
15	<p>Other Building Items. (AR1902) : cement based wall putty (water based) - Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,etc. complete. and as per the direction of Engineer in Charge.</p>	-	159.19	Sqm
	i Un-Skilled	0.057	9.07383	-
	ii Skilled	0.05	7.9595	-

16	Iron Work (AR1703) : Iron work wrought and put up in trusses and record racks - Iron work wrought and put up in trusses and record racks including all cost of labour, material, machinery and T & P required for the work etc. as per direction of Engineer-in- Charge.	-	7.416	Qntl
i	Un-Skilled	4.9212598425197	36.496062992126	-
ii	Semi-Skilled	1.9685039370079	14.59842519685	-
iii	Skilled	4.4291338582677	32.846456692913	-
17	Roofing (AR1132) : Supplying, feeting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties - 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	-	41.4656	Sqm
i	Un-Skilled	0.21505376344086	8.91733333333333	-
ii	Highly-Skilled	0.16129032258065	6.688	-

18	<p>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.</p>	-	291.23	Sqm
i	Highly-Skilled	0.053763440860215	15.65752688172	-
ii	Un-Skilled	0.053763440860215	15.65752688172	-
19	<p>Painting (AR0919) : Finishing wall One Coat with plastic emulsion paint of approved shades on old work (Inside) - Finishing wall One Coat with plastic emulsion paint of approved shades on old 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>	-	159.19	Sqm
i	Un-Skilled	0.043	6.84517	-
ii	Highly-Skilled	0.036	5.73084	-

20	Painting (AR0918Ai) : Finishing wall one coat with weather coat - Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes required for the work etc. complete and as per direction of Engineer-in-charge.	-	132.04	Sqm
i	Un-Skilled	0.043	5.67772	-
ii	Highly-Skilled	0.036	4.75344	-
21	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.	-	10.602288	Sqm
i	Highly-Skilled	0.053763440860215	0.57001548387097	-
ii	Un-Skilled	0.053763440860215	0.57001548387097	-

22	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.	-	18.14	Qntl
i	Un-Skilled	0.8	14.512	-
ii	Highly-Skilled	0.3	5.442	-
iii	Semi-Skilled	0.044	0.79816	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	431.59389526605	462	199396.37961292
1	Skilled	193.28034558916	562	108623.55422111
2	Semi-Skilled	60.8956027921	512	31178.548629555
3	Highly-Skilled	61.920174665591	612	37895.146895342
Total:				377093.62935892