

ESTIMATION DPR							
State	Odisha	District	Sundargarh	Block	Lahunipara	Gram Panchayat	Bhutuda

Work Code	OD/373/3582/121659/384956/00023180 (Construction Of Market Complex At Bhutuda Gp)
Project Category	Building

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Lahunipara	Proposal Date	31-08-2024
Date of Commencement	21-11-2025	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	PRASANTA ROUT		

Administrative Approval Details

Approval No.	OD/373/3582/121659/384956/00023180/AS
---------------------	---------------------------------------

Technical Sanction Details

Technical Sanction No.	OD/373/3582/121659/384956/00023180/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	-	35.352	Cum

	i	Un-Skilled	0.516	18.241632	-
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.	-	26.9075	Cum
	i	Un-Skilled	0.1236	3.325767	-
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.	-	10.20275	Cum
	i	Skilled	0.18	1.836495	-
	ii	Un-Skilled	3.9	39.790725	-

4	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.	-	7.0928	Cum
i	Un-Skilled	2.96	20.994688	-
ii	Skilled	1.05	7.44744	-
iii	Highly-Skilled	0.35	2.48248	-

5	<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>	-	20.029435	Cum
i	Un-Skilled	2.96	59.2871276	-
ii	Skilled	1.05	21.03090675	-
iii	Highly-Skilled	0.35	7.01030225	-

6	R.C.C. Work (AR0404A) : 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)	-	25.839815	Cum
i	Un-Skilled	1.3333	34.4522253395	-
ii	Skilled	0.1	2.5839815	-
iii	Semi-Skilled	0.0573	1.4806213995	-

7	<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>	-	25.83	Qntl
i	Un-Skilled	0.8	20.664	-
ii	Highly-Skilled	0.3	7.749	-
iii	Semi-Skilled	0.044	1.13652	-
8	<p>R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc</p>	-	32.64	Sqm
i	Semi-Skilled	0.05	1.632	-

	ii	Skilled	0.05	1.632	-
9		R.C.C. Work (AR0410e) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. Lintels Data for 7.8 sqm	-	10.56	Sqm
	i	Semi-Skilled	0.16025641025641	1.6923076923077	-
	ii	Skilled	0.16025641025641	1.6923076923077	-
10		R.C.C. Work (AR0410a) : Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height	-	56.4225	Sqm
	i	Semi-Skilled	0.30555555555556	17.240208333333	-
	ii	Skilled	0.30555555555556	17.240208333333	-

11	<p>R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. beams, column, grider and bressmer, etc. Data for 4.2sqm</p>	-	40.58	Sqm
i	Semi-Skilled	0.6547619047619	26.570238095238	-
ii	Skilled	0.6547619047619	26.570238095238	-
12	<p>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.</p>	-	103.626	Sqm
i	Un-Skilled	0.12	12.43512	-
ii	Skilled	0.14	14.50764	-

13	<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>	-	107.175	Sqm
i	Un-Skilled	0.24	25.722	-
ii	Skilled	0.16	17.148	-
14	<p>Plastering (AR1026) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces (inside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside 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.</p>	-	51.0225	Sqm
i	Un-Skilled	0.12	6.1227	-
ii	Skilled	0.14	7.14315	-

15	<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>	-	48.5025	Sqm
i	Un-Skilled	0.36	17.4609	-
ii	Highly-Skilled	0.13	6.305325	-
16	<p>Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips - 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specifaion and direction of Engineer-in charge. (new work)</p>	-	48.96	Sqm
i	Un-Skilled	0.36	17.6256	-
ii	Highly-Skilled	0.1	4.896	-

17	<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>	-	261.8	Sqm
i	Highly-Skilled	0.053763440860215	14.075268817204	-
ii	Un-Skilled	0.053763440860215	14.075268817204	-
18	<p>Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) - Finishing wall two coats with plastic emulsion paint 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)</p>	-	158.2	Sqm
i	Highly-Skilled	0.054	8.5428	-
ii	Un-Skilled	0.064	10.1248	-

19	<p>Painting (AR0918f) : Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside) - 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>	-	103.626	Sqm
	i Un-Skilled	0.064	6.632064	-
	ii Highly-Skilled	0.054	5.595804	-
20	<p>miscellaneous (ARM105) : Labour for fitting and fixing of M.S. window grills including cost of screws complete. (Iron works) and as directed by Engineer-in-Charge. - Labour for fitting and fixing of M.S. window grills including cost of screws complete. (Iron works) and as directed by Engineer-in-Charge.</p>	-	15.435	Sqm
21	<p>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.</p>	-	3.5	Qntl

i	Un-Skilled	6.3976377952756	22.391732283465	-
ii	Semi-Skilled	1.9685039370079	6.8897637795276	-
iii	Skilled	3.9370078740157	13.779527559055	-
iv	Highly-Skilled	3.4448818897638	12.057086614173	-
22	Painting (AR0903b) : Painting two coats of enamel paint with a coat of red oxide primer over iron surface - Painting two coats of enamel paint with a coat of red oxide primer over iron surface including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.	-	15.435	Sqm
i	Highly-Skilled	0.18817204301075	2.904435483871	-
ii	Un-Skilled	0.17204301075269	2.6554838709677	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	332.00183391114	462	153384.84726695
1	Skilled	132.61189492993	562	74527.884950623
2	Highly-Skilled	71.618502165249	612	43830.523325132
3	Semi-Skilled	56.641659299907	512	29000.529561552
Total:				300743.78510425