

ESTIMATION DPR							
State	Odisha	District	Sundargarh	Block	Nuagaon	Gram Panchayat	Jahaditoli

Work Code	OD/373/3585/121715/384398/00022941 (Construction Of Market Complex At Jaharitoli)
Project Category	Building

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Nuagaon	Proposal Date	02-01-2025
Date of Commencement	02-09-2025	Date of Completion	24-11-2025
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	Sandeep Senapati		

Administrative Approval Details

Approval No.	OD/373/3585/121715/384398/00022941/AS
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Technical Sanction Details

Technical Sanction No.	OD/373/3585/121715/384398/00022941/TS
Fund Sanction No.	32
Fund Sanction Amount (in Rs.)	1000000

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Meaurement 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	-	41.902875	Cum

	i	Un-Skilled	0.516	21.6218835	-
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.	-	30.85875	Cum
	i	Un-Skilled	0.1236	3.8141415	-
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.	-	12.1005	Cum
	i	Skilled	0.18	2.17809	-
	ii	Un-Skilled	3.9	47.19195	-

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.	-	17.749215	Cum
i	Un-Skilled	2.96	52.5376764	-
ii	Skilled	1.05	18.63667575	-
iii	Highly-Skilled	0.35	6.21222525	-

5	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.	-	21.25062	Cum
i	Un-Skilled	2.96	62.9018352	-
ii	Skilled	1.05	22.313151	-
iii	Highly-Skilled	0.35	7.437717	-

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)	-	24.522636	Cum
i	Un-Skilled	1.3333	32.6960305788	-
ii	Skilled	0.1	2.4522636	-
iii	Semi-Skilled	0.0573	1.4051470428	-
7	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	-	55.148	Sqm

	i	Semi-Skilled	0.05	2.7574	-
	ii	Skilled	0.05	2.7574	-
8		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	-	48.66	Sqm
	i	Semi-Skilled	0.6547619047619	31.860714285714	-
	ii	Skilled	0.6547619047619	31.860714285714	-
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	-	17.8824	Sqm
	i	Semi-Skilled	0.16025641025641	2.8657692307692	-

	ii	Skilled	0.16025641025641	2.8657692307692	-
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	-	81.3884	Sqm
	i	Semi-Skilled	0.305555555555556	24.8686777777778	-
	ii	Skilled	0.305555555555556	24.8686777777778	-
11		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.	-	19.61	Qntl
	i	Un-Skilled	0.8	15.688	-

	ii	Highly-Skilled	0.3	5.883	-
	iii	Semi-Skilled	0.044	0.86284	-
12		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.	-	70.291	Sqm
	i	Un-Skilled	0.17	11.94947	-
	ii	Skilled	0.14	9.84074	-
13		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.	-	87.264	Sqm
	i	Un-Skilled	0.12	10.47168	-

	ii	Skilled	0.14	12.21696	-
14		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.	-	122.064	Sqm
	i	Un-Skilled	0.24	29.29536	-
	ii	Skilled	0.16	19.53024	-
15		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.	-	3.5604	Qntl
	i	Un-Skilled	6.3976377952756	22.778149606299	-
	ii	Semi-Skilled	1.9685039370079	7.0086614173228	-
	iii	Skilled	3.9370078740157	14.017322834646	-

	iv	Highly-Skilled	3.4448818897638	12.265157480315	-
16		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.	-	279.6	Sqm
	i	Un-Skilled	0.057	15.9372	-
	ii	Skilled	0.05	13.98	-
17		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)	-	192.36	Sqm
	i	Un-Skilled	0.043	8.27148	-
	ii	Highly-Skilled	0.036	6.92496	-

18	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.	-	87.255	Sqm
i	Un-Skilled	0.043	3.751965	-
ii	Highly-Skilled	0.036	3.14118	-
19	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)	-	60.516	Sqm
i	Un-Skilled	0.216	13.071456	-
ii	Highly-Skilled	0.216	13.071456	-

20	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 specification and direction of Engineer-in charge. (new work)	-	72.6044	Sqm
i	Un-Skilled	0.36	26.137584	-
ii	Highly-Skilled	0.1	7.26044	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	378.1158617851	462	174689.52814472
1	Skilled	177.51800447891	562	99765.118517146
2	Highly-Skilled	62.196135730315	612	38064.035066953
3	Semi-Skilled	71.629209754384	512	36674.155394245
				Total: 349192.83712306