

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Kalahandi	<b>Block</b>	Lanjigarh	<b>Gram Panchayat</b>	Malijubanga

<b>Work Code</b>	OD/358/3418/118805/423082/00057302 (CONSTRUCTION OF MARKET COMPLEX AT MALIJUBANG)
<b>Project Category</b>	Building

<b>Financial Year</b>	2023-24	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Lanjigarh	<b>Proposal Date</b>	12-06-2023
<b>Date of Commencement</b>	24-11-2025	<b>Date of Completion</b>	-
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	Creation of Capital Asset for Revenue Generation
<b>Project Sub-Category</b>	Market Complex	<b>Project Type</b>	New Work
<b>Name of Executant</b>	RANJAN KUMAR DASH		

### Administrative Approval Details

<b>Approval No.</b>	OD/358/3418/118805/423082/00057302/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/358/3418/118805/423082/00057302/TS
<b>Fund Sanction No.</b>	12487
<b>Fund Sanction Amount (in Rs.)</b>	1000000

### LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<b>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b> 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	-	25.9524	Cum

	i	Un-Skilled	0.516	13.3914384	-
2		<b>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</b> 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.	-	37.65645	Cum
	i	Un-Skilled	0.1236	4.65433722	-
3		<b>Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b> 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.	-	22.72986	Cum
	i	Skilled	0.18	4.0913748	-
	ii	Un-Skilled	3.9	88.646454	-

4	<b>R.C.C. Work (AR0404Aa) :</b> <b>Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> 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.)	-	6.3118	Cum
i	Un-Skilled	1.3333	8.41552294	-
ii	Skilled	0.175	1.104565	-
iii	Semi-Skilled	0.1323	0.83505114	-

5	<b>R.C.C. Work (AR0404Ac) :</b> <b>Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> 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)	-	4.938245	Cum
i	Un-Skilled	1.3333	6.5841620585	-
ii	Skilled	5.33875	26.36405549375	-
iii	Semi-Skilled	5.29605	26.15319243225	-

6	<b>R.C.C. Work (AR0404Ad) :</b> <b>Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> 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)	-	0.871125	Cum
i	Un-Skilled	1.3333	1.1614709625	-
ii	Skilled	2.34375	2.04169921875	-
iii	Semi-Skilled	2.30105	2.00450218125	-

7	<b>R.C.C. Work (AR0404Ag) :</b> <b>Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> 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)	-	7.0184	Cum
i	Un-Skilled	1.3333	9.35763272	-
ii	Skilled	3.15525	22.1448066	-
iii	Semi-Skilled	3.11255	21.84512092	-

8	<p><b>R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc -</b> 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>	-	81.36	Sqm
i	Semi-Skilled	0.05	4.068	-
ii	Skilled	0.05	4.068	-
9	<p><b>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 -</b> 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>	-	21	Qntl
i	Un-Skilled	0.8	16.8	-
ii	Highly-Skilled	0.3	6.3	-

	iii	Semi-Skilled	0.044	0.924	-
10		<p><b>Masonry Brick Work (AR0603di) : C.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:4) in superstructure -</b> Brickwork with C.B. 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<sup>2</sup> 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&amp;P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	17.287812	Cum
	i	Un-Skilled	2.96	51.17192352	-
	ii	Skilled	1.05	18.1522026	-
	iii	Highly-Skilled	0.35	6.0507342	-
11		<p><b>Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside -</b> 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 &amp; P required for the work etc. comp.and as per direction of Engineer-in-charge.</p>	-	109.7522	Sqm

	i	Un-Skilled	0.12	13.170264	-
	ii	Skilled	0.14	15.365308	-
12		<b>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 &amp; P required for the work etc comp.and as per direction of Engineer-in-charge.</b>	-	116.8272	Sqm
	i	Un-Skilled	0.24	28.038528	-
	ii	Skilled	0.16	18.692352	-
13		<b>Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory - Supplying, fitting &amp; 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&amp;P , etc. required for the work all complete as per direction of Engineer-in- charge(for new work only)</b>	-	36.996	Sqm

	i	Un-Skilled	0.216	7.991136	-
	ii	Highly-Skilled	0.216	7.991136	-
14		<b>Flooring (AR0816j) : Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 - Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the Chequered tiles including rubbing and polishing, cost of precast tiles complete as per direction of Enginer-in-charge.</b>	-	12.6765	Sqm
	i	Un-Skilled	0.216	2.738124	-
	ii	Highly-Skilled	0.216	2.738124	-
	iii	Semi-Skilled	0.55	6.972075	-

15	<p><b>Other Building Items. (AR1902) : cement based wall putty (water based) -</b>  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&amp;P,etc. complete. and as per the direction of Engineer in Charge.</p>	-	260.0744	Sqm
i	Un-Skilled	0.057	14.8242408	-
ii	Skilled	0.05	13.00372	-
16	<p><b>Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) -</b> 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&amp;P required for the work complete as per direction of the Engineer-in-charge.</p>	-	155.5284	Sqm
i	Highly-Skilled	0.053763440860215	8.3617419354839	-
ii	Un-Skilled	0.053763440860215	8.3617419354839	-

17	<b>Painting (AR0918ca) :</b> <b>Finishing wall two coats with weather coat with one coat oilbound Primer -</b> 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)	-	103.0544	Sqm
i	Un-Skilled	0.11776344086022	12.136040739785	-
ii	Highly-Skilled	0.10776344086022	11.105496739785	-
18	<b>Painting (AR0920) :</b> <b>Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) -</b> 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)	-	155.5284	Sqm
i	Highly-Skilled	0.054	8.3985336	-
ii	Un-Skilled	0.064	9.9538176	-

19	<b>Iron Work (AR1704) : Iron Doors and windows fixing -</b> 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.	-	7	Qntl
i	Un-Skilled	6.3976377952756	44.783464566929	-
ii	Semi-Skilled	1.9685039370079	13.779527559055	-
iii	Skilled	3.9370078740157	27.55905511811	-
iv	Highly-Skilled	3.4448818897638	24.114173228346	-
20	<b>Painting (AR0901bi) : Priming one coat in outer surface with primer of approved quality over iron work</b> - Priming one coat in outer 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.	-	30.1401	Sqm
i	Highly-Skilled	0.053763440860215	1.620435483871	-
ii	Un-Skilled	0.053763440860215	1.620435483871	-

21	<b>Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface) -</b> 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)	-	30.1401	Sqm
i	Highly-Skilled	0.13440860215054	4.0510887096774	-
ii	Un-Skilled	0.11827956989247	3.5649580645161	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	347.36569301158	462	160482.95017135
1	Skilled	152.58713883061	562	85753.972022803
2	Semi-Skilled	76.581469232555	512	39209.712247068
3	Highly-Skilled	80.731463897164	612	49407.655905064
<b>Total:</b>				<b>334854.29034629</b>