

ESTIMATION DPR							
State	Odisha	District	Kalahandi	Block	Madanpur Rampur	Gram Panchayat	Gochhanden gaon

Work Code	OD/358/3419/118813/422432/00099664 (Construction of Market Complex at Gochhadengen)
Project Category	Building

Financial Year	2020-21	Execution Level	PS
Executing Agency	Panchayat Samiti, Madanpur Rampur	Proposal Date	-
Date of Commencement	-	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			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	OD/358/3419/118813/422432/00099664/TS
Fund Sanction No.	9112/PRandDW
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 (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.	-	64.656	Cum
i	Un-Skilled	0.1236	7.9914816	-

2	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.	-	19.8	Qntl
i	Un-Skilled	0.8	15.84	-
ii	Highly-Skilled	0.3	5.94	-
iii	Semi-Skilled	0.044	0.8712	-

3	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.)	-	8.1	Cum
i	Un-Skilled	1.3333	10.79973	-
ii	Skilled	0.175	1.4175	-
iii	Semi-Skilled	0.1323	1.07163	-

4	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)	-	2.4	Cum
i	Un-Skilled	1.3333	3.19992	-
ii	Skilled	0.35	0.84	-
iii	Semi-Skilled	0.3073	0.73752	-

5	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)	-	3.96	Cum
i	Un-Skilled	1.3333	5.279868	-
ii	Skilled	5.33875	21.14145	-
iii	Semi-Skilled	5.29605	20.972358	-

6	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)	-	1.6008	Cum
i	Un-Skilled	1.3333	2.13434664	-
ii	Skilled	2.34375	3.751875	-
iii	Semi-Skilled	2.30105	3.68352084	-

7	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)	-	6.6	Cum
i	Un-Skilled	1.3333	8.79978	-
ii	Skilled	3.15525	20.82465	-
iii	Semi-Skilled	3.11255	20.54283	-

8	<p>Masonry Brick Work (AR0603e) : C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with C.B. 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/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>	-	18.261	Cum
i	Un-Skilled	2.96	54.05256	-
ii	Skilled	1.05	19.17405	-
iii	Highly-Skilled	0.35	6.39135	-

9	<p>Masonry Brick Work (AR0603ei) : C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with C.B. 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>	-	19.4212	Cum
	i Un-Skilled	3.1	60.20572	-
	ii Skilled	1.05	20.39226	-
	iii Highly-Skilled	0.35	6.79742	-
10	<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>	-	7.8091776	Qntl
	i Un-Skilled	6.3976377952756	49.96028976378	-

	ii	Semi-Skilled	1.9685039370079	15.372396850394	-
	iii	Skilled	3.9370078740157	30.744793700787	-
	iv	Highly-Skilled	3.4448818897638	26.901694488189	-
11		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.	-	134.44	Sqm
	i	Un-Skilled	0.12	16.1328	-
	ii	Skilled	0.14	18.8216	-
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.	-	101.16	Sqm

	i	Un-Skilled	0.24	24.2784	-
	ii	Skilled	0.16	16.1856	-
13		Painting (AR0920b) : Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat waterbound Primer on new work (Inside) - Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat waterbound Primer on 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)	-	133.8	Sqm
	i	Highly-Skilled	0.10776344086022	14.418748387097	-
	ii	Un-Skilled	0.11776344086022	15.756748387097	-

14	<p>Painting (AR0918h) : Finishing wall with two coats weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work(Outside). - Finishing wall with two coats weather coat paint of approved shade including one coat of water bound primer 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>	-	112.2	Sqm
i	Un-Skilled	0.11776344086022	13.213058064516	-
ii	Highly-Skilled	0.10776344086022	12.091058064516	-
15	<p>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.</p>	-	13.23	Sqm
i	Highly-Skilled	0.18817204301075	2.4895161290323	-
ii	Un-Skilled	0.17204301075269	2.2761290322581	-

16	<p>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</p>	-	23.112	Cum
i	Un-Skilled	0.516	11.925792	-
17	<p>Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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.</p>	-	9.189	Cum
i	Un-Skilled	3.9	35.8371	-
ii	Skilled	0.18	1.65402	-

18	<p>Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specifaion and direction of Engineer-in charge.</p>	-	1.3125	Cum
i	Un-Skilled	4.6	6.0375	-
ii	Skilled	0.68	0.8925	-
19	<p>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)</p>	-	32.64	Sqm
i	Un-Skilled	0.216	7.05024	-

	ii	Highly-Skilled	0.216	7.05024	-
20		Flooring (AR0817aa) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) - Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.	-	5.94	Sqm
	i	Highly-Skilled	0.325	1.9305	-
	ii	Un-Skilled	0.325	1.9305	-
	iii	Semi-Skilled	0.76	4.5144	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	352.70196348765	462	162948.30713129
1	Highly-Skilled	84.010527068834	612	51414.442566126
2	Semi-Skilled	67.765855690394	512	34696.118113482
3	Skilled	155.84029870079	562	87582.247869843

