

ESTIMATION DPR							
State	Odisha	District	Bhadrak	Block	Tihidi	Gram Panchayat	Bhatapada

Work Code	OD/348/3328/116753/395128/00068678 (DEVELOPMENT OF RURAL HAAT NEAR BLOCK CAMPUS (CONSTRUCTION OF REST SHED,HAAT PINDI , SUPPLY OF DRINKING WATER FACILITY , TOILET, IMPROVEMENT OF COMMUNI)
Project Category	Other Infrastructure

Financial Year	2022-23	Execution Level	PS
Executing Agency	Panchayat Samiti, Tihidi	Proposal Date	-
Date of Commencement	19-12-2025	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Development of Rural Haat
Project Sub-Category	Rural Haat	Project Type	Repair and Maintenance
Name of Executant	PEO BHATAPADA GP		

Administrative Approval Details

Approval No.	OD/348/3328/116753/395128/00068678/AS
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Technical Sanction Details

Technical Sanction No.	OD/348/3328/116753/395128/00068678/TS
Fund Sanction No.	33620
Fund Sanction Amount (in Rs.)	1000000

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Meaurement Qty)	Unit
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1	Pile Foundation (AR1501be) : Single under reamed pile foundation 300 mm dia and 5.0 metre long with RCC M20 using 12mm size black hard granite (Crusher broken) stone chips - Single under reamed pile foundation 300 mm dia and 5.0 metre long with RCC M-20 using 12mm size black hard granite (Crusher broken) stone chips including cost of boring but excluding cost of M.S./Tor steel and labour charges for cutting, bending and binding of steel including cost, convenience, royalty,taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge. (300mm dia and 5.0 meter long)	-	16	Nos
i	Highly-Skilled	1.95	31.2	-
ii	Un-Skilled	0.62	9.92	-
iii	Skilled	0.047	0.752	-
iv	Semi-Skilled	0.031	0.496	-

2	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	-	3.652848	Cum
i	Un-Skilled	0.516	1.884869568	-
3	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.	-	27.887799	Cum
i	Un-Skilled	0.1236	3.4469319564	-

4	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.	-	7.114174	Cum
i	Skilled	0.18	1.28055132	-
ii	Un-Skilled	3.9	27.7452786	-

5	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.)	-	3.456	Cum
i	Un-Skilled	1.3333	4.6078848	-
ii	Skilled	0.175	0.6048	-
iii	Semi-Skilled	0.1323	0.4572288	-

6	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)	-	4.62375	Cum
i	Un-Skilled	1.3333	6.164845875	-
ii	Skilled	0.35	1.6183125	-
iii	Semi-Skilled	0.3073	1.420878375	-

7	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)	-	4.7325	Cum
i	Un-Skilled	1.3333	6.30984225	-
ii	Skilled	5.33875	25.265634375	-
iii	Semi-Skilled	5.29605	25.063556625	-

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)	-	8.22046875	Cum
i	Un-Skilled	1.3333	10.960350984375	-
ii	Skilled	3.15525	25.937634023438	-
iii	Semi-Skilled	3.11255	25.586620007813	-

9	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 specificaion and direction of Engineer-in charge. (new work)	-	65.76375	Sqm
i	Un-Skilled	0.36	23.67495	-
ii	Highly-Skilled	0.1	6.576375	-
10	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.	-	24.88	Qntl
i	Un-Skilled	0.8	19.904	-
ii	Highly-Skilled	0.3	7.464	-

iii	Semi-Skilled	0.044	1.09472	-
11	Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with Flyash 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 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.	-	19.6	Cum
i	Un-Skilled	2.96	58.016	-
ii	Skilled	1.05	20.58	-
iii	Highly-Skilled	0.35	6.86	-

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.	-	53.4525	Sqm
i	Un-Skilled	0.17	9.086925	-
ii	Skilled	0.14	7.48335	-
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.	-	88.815	Sqm
i	Un-Skilled	0.12	10.6578	-
ii	Skilled	0.14	12.4341	-

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.	-	132.825	Sqm
i	Un-Skilled	0.24	31.878	-
ii	Skilled	0.16	21.252	-
15	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 specificaion and direction of Engineer-in charge.	-	2.672625	Cum
i	Un-Skilled	4.6	12.294075	-
ii	Skilled	0.68	1.817385	-

16	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)	-	54.0025	Sqm
i	Un-Skilled	0.216	11.66454	-
ii	Highly-Skilled	0.216	11.66454	-
17	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.	-	32.4899999988	Sqm

	i	Highly-Skilled	0.325	10.55924999961	-
	ii	Un-Skilled	0.325	10.55924999961	-
	iii	Semi-Skilled	0.76	24.692399999088	-
18		Painting (AR0918g) : Finishing wall with two coats weather coat paint of approved shade including one coat of oil 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 oil 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)	-	88.815	Sqm
	i	Un-Skilled	0.11776344086022	10.45916	-
	ii	Highly-Skilled	0.10776344086022	9.57101	-

19	Painting (AR0922a) : Finishing wall surface with two coats with distemper of approved shades above one coat oil bound Primer on new work (Inside) - Finishing wall surface with two coats with distemper of approved shades above one coat oil bound 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)	-	186.278	Sqm
i	Highly-Skilled	0.10576344086022	19.701402236559	-
ii	Un-Skilled	0.11576344086022	21.564182236559	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
0	Highly-Skilled	103.59657723617	612	63401.105268536
1	Un-Skilled	290.79888626994	462	134349.08545671
2	Skilled	119.02576721844	562	66892.481176762
3	Semi-Skilled	78.811403806901	512	40351.438749133
				Total: 304994.11065114