

ESTIMATION DPR							
State	Odisha	District	Balasore	Block	Bhograi	Gram Panchayat	Kharidpipal

Work Code	OD/346/3302/116157/391914/00066325 (REPAIR & MAINTENANCE OF DAHAMUNDA NODAL HIGH SCHOOL)						
Project Category	Building						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Bhograi	Proposal Date	-
Date of Commencement	-	Date of Completion	-
Scheme Name	Asset Management School and Mass Education Department	Scheme Component Name	Self/Personal Deposit
Project Sub-Category	Secondary School	Project Type	Repair and Maintenance
Name of Executant			

Administrative Approval Details

Approval No.	OD/346/3302/116157/391914/00066325/AS
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Technical Sanction Details

Technical Sanction No.	OD/346/3302/116157/391914/00066325/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	248000

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	Pile Foundation (AR1501cb) : Single under reamed pile foundation 250 mm dia and 3.5 metre long with RCC M20 using 12mm size black hard granite (Crusher broken) stone chips - Single under reamed pile foundation 250 mm dia and 3.5 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. (250mm dia and 3.5 meter long)	-	6	Nos
i	Highly-Skilled	1.325	7.95	-
ii	Un-Skilled	0.315	1.89	-
iii	Skilled	0.023	0.138	-
iv	Semi-Skilled	0.014	0.084	-

2	<p>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift -</p> <p>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>	-	2.620578256	Cum
i	Un-Skilled	0.516	1.352218380096	-
3	<p>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</p> <p>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.</p>	-	5.0654307763392	Cum
i	Un-Skilled	0.1236	0.62608724395553	-

4	<p>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.</p>	-	1.4152629602496	Cum
	i Skilled	0.18	0.25474733284493	-
	ii Un-Skilled	3.9	5.5195255449734	-
5	<p>Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with Flyash Bricks of size (25cm x 12cm 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>	-	1.5213714183584	Cum
	i Un-Skilled	2.96	4.5032593983409	-

	ii	Skilled	1.05	1.5974399892763	-
	iii	Highly-Skilled	0.35	0.53247999642544	-
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)	-	4.4613222605824	Cum
	i	Un-Skilled	1.3333	5.9482809700345	-
	ii	Skilled	0.1	0.44613222605824	-
	iii	Semi-Skilled	0.0573	0.25563376553137	-

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>	-	3.8	Qntl
i	Un-Skilled	0.8	3.04	-
ii	Highly-Skilled	0.3	1.14	-
iii	Semi-Skilled	0.044	0.1672	-
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>	-	12.63294994	Sqm
i	Semi-Skilled	0.05	0.631647497	-

	ii	Skilled	0.05	0.631647497	-
9		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	-	11.5109046672	Sqm
	i	Semi-Skilled	0.6547619047619	7.5369018654286	-
	ii	Skilled	0.6547619047619	7.5369018654286	-
10		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	-	4.83002697	Sqm
	i	Semi-Skilled	0.16025641025641	0.77404278365385	-
	ii	Skilled	0.16025641025641	0.77404278365385	-

11	<p>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</p>	-	18.722277075	Sqm	
	i	Semi-Skilled	0.305555555555556	5.7206957729167	-
	ii	Skilled	0.305555555555556	5.7206957729167	-
12	<p>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/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>	-	3.800277664768	Cum	
	i	Un-Skilled	2.96	11.248821887713	-

	ii	Skilled	1.05	3.9902915480064	-
	iii	Highly-Skilled	0.35	1.3300971826688	-
13		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.	-	18.722277075	Sqm
	i	Un-Skilled	0.17	3.18278710275	-
	ii	Skilled	0.14	2.6211187905	-
14		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.	-	44.18187971	Sqm
	i	Un-Skilled	0.12	5.3018255652	-

	ii	Skilled	0.14	6.1854631594	-
15		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.	-	34.296535995	Sqm
	i	Un-Skilled	0.24	8.2311686388	-
	ii	Skilled	0.16	5.4874457592	-
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)	-	9.63497013	Sqm
	i	Un-Skilled	0.216	2.08115354808	-

	ii	Highly-Skilled	0.216	2.08115354808	-
17		Flooring (AR0817bc) : Fixing Vitrified industrial Tile of premium grade having thickness 8mm to 10mm confirming to IS 4457 of size 300mmx300mm in wall cladding/ glazed tiles on 12mm thick cement plaster (1:3) - Fixing Vitrified industrial Tile of premium grade having thickness 8mm to 10mm confirming to IS 4457 of size 300mmx300mm in wall cladding/ glazed tiles on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified industrial tiles including rubbing and polishing complete including cost of precast tiles.	-	32.2745022	Sqm
	i	Un-Skilled	0.325	10.489213215	-
	ii	Highly-Skilled	0.325	10.489213215	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Highly-Skilled	23.522943942174	612	14396.041692611
1	Un-Skilled	63.414341494944	462	29297.425770664
2	Skilled	35.383926724285	562	19885.766819048
3	Semi-Skilled	15.17012168453	512	7767.1023024796
Total:				71346.336584802