

ESTIMATION DPR							
State	Odisha	District	Ganjam	Block	Surada	Gram Panchayat	Hinjalakuda

Work Code	OD/354/3385/118030/410966/00065252 (Repair and Maintenance of UPS N.Takarada)
Project Category	Building

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Surada	Proposal Date	-
Date of Commencement	04-12-2025	Date of Completion	-
Scheme Name	Asset Management School and Mass Education Department	Scheme Component Name	Self/Personal Deposit
Project Sub-Category	Elementary School	Project Type	Repair and Maintenance
Name of Executant	Kanheaya kar		

Administrative Approval Details

Approval No.	OD/354/3385/118030/410966/00065252/AS
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Technical Sanction Details

Technical Sanction No.	OD/354/3385/118030/410966/00065252/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	150000

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	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	-	1.458	Cum

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.	-	0.243	Cum
i)	BRM029 : Sand for filling and road blinding	1	0.243	1 Cum
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.	-	0.243	Cum
i)	BRM340 : Cement	2.29	0.55647	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	0.11664	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	0.23328	1 Cum.

4	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.	-	0.5	Qntl
i)	BRM162 : Binding Wire.	0.8	0.4	1 Kg.
ii)	BRM341 : Steel	1.05	0.525	1 Qntl.
5	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)	-	0.57098	Cum
i)	BRM340 : Cement	3.4733	1.983184834	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.256941	1 Cum

iii)	BRM060 : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	0.2055528	1 Cum.
iv)	BRM052 : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	0.3083292	1 Cum.
6	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.	-	1.2884	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	1.2884	1 Cum
ii)	BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance ± 2 %	400	515.36	1000 Nos
iii)	BRM340 : Cement	0.672	0.8658048	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.28	0.360752	1 Cum

7	<p>Flooring (AR0816) :.Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor - Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) 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 ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.</p>	-	13.585	Sqm
i)	BRMMR0027 : Wax Polish	1	13.585	1 Sqm
ii)	BRM130 : Tiles up to 30cm x 30cm / 40cm x 40cm special plain / printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755	1	13.585	1 Sqm.
iii)	BRM340 : Cement	0.2737	3.7182145	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.013	0.176605	1 Cum

8	<p>Flooring (AR0817ac) :.Fixing Vitrified industrial Tile of premium grade having thickness 8mm to 10mm confirming to IS 4457 of size 300mmx300mm in dados skirting and risers of steps 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 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.</p>	-	28.82	Sqm
i)	<p>BRM133 : Tiles up to Vitrified industrial floor Tile of premium grade having thickness 8mm to 10mm confirming to IS 4457 of size 300mmx300mm</p>	1	28.82	1 Sqm.
ii)	<p>BRMMR0027 : Wax Polish</p>	1	28.82	1 Sqm
iii)	<p>CON026 : cement (Other way)</p>	0.1375	3.96275	1000 kg
iv)	<p>BRM340 : Cement</p>	0.1375	3.96275	1 Qntl.
v)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.015	0.4323	1 Cum
9	<p>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.</p>	-	38.72	Sqm

i)	BRM340 : Cement	0.0358	1.386176	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.5808	1 Cum
10	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.	-	0.759625	Qntl
i)	BRM341 : Steel	1	0.759625	1 Qntl.
11	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)	-	174.943	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	21.867875	1 Ltr
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	15.801303225806	1 Ltr

12	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.	-	37.053	Sqm
i)	BRM137 : Red oxide Primer	0.054	2.000862	1 Litre
ii)	BRM141 : Enamel paint	0.125	4.631625	1 Litre

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	0.243	1 Cum	403.97	98.16471
2	BRM340	12.472600134	1 Qntl.	592.497	7389.9781615946
3	BRM028	1.924038	1 Cum	407.34	783.73763892
4	BRM044	0.23328	1 Cum.	1336.36	311.7460608
5	BRM162	0.4	1 Kg.	90.1	36.04
6	BRM341	1.284625	1 Qntl.	6217.227	7986.805234875
7	BRM060	0.2055528	1 Cum.	1748.88	359.487180864
8	BRM052	0.3083292	1 Cum.	1723.4	531.37454328
9	BRMMR0025	1.2884	1 Cum	33	42.5172
10	BRM006	515.36	1000 Nos	5.36398	2764.3807328
11	BRMMR0027	42.405	1 Sqm	8.5	360.4425
12	BRM130	13.585	1 Sqm.	461.3175001	6266.9982388585
13	BRM133	28.82	1 Sqm.	589.5875001	16991.911752882
14	CON026	3.96275	1000 kg	0	0
15	BRM255	21.867875	1 Ltr	195.03787	4265.0637614263
16	BRM253	15.801303225806	1 Ltr	159.27787	2516.7979210306
17	BRM137	2.000862	1 Litre	142.94787	286.01896106394
18	BRM141	4.631625	1 Litre	205.58787	952.20591838875
Total: 51943.670516784					