

ESTIMATION DPR							
State	Odisha	District	Ganjam	Block	Surada	Gram Panchayat	Merrikota

Work Code	OD/354/3385/118034/410961/00048396 (COMPLETION OF INCOMPLETE AWC AT AMBILIAMBA)
Project Category	Building

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Surada	Proposal Date	21-05-2025
Date of Commencement	08-08-2025	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance of Primary School Building
Project Sub-Category	AWC	Project Type	New Work
Name of Executant	MUKESH TOPPO		

Administrative Approval Details

Approval No.	OD/354/3385/118034/410961/00048396/AS
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Technical Sanction Details

Technical Sanction No.	OD/354/3385/118034/410961/00048396/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	500000

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	-	39.7921832	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.	-	7.4561674	Cum
i)	BRM029 : Sand for filling and road blinding	1	7.4561674	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.	-	7.4561674	Cum
i)	BRM340 : Cement	2.29	17.074623346	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	3.578960352	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	7.157920704	1 Cum.

4	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)	-	11.4382174	Cum
i)	BRM340 : Cement	3.4733	39.72836049542	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	5.14719783	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	4.117758264	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	6.176637396	1 Cum.

5	<p>Masonry Brick Work (AR0603c) :.Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with Flyash 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>	-	20.4891091048	Cum
i)	<p>BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm² with dimensional tolerance ± 2 %</p>	400	8195.64364192	1000 Nos
ii)	<p>BRM340 : Cement</p>	0.672	13.768681318426	1 Qntl.
iii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.28	5.736950549344	1 Cum
6	<p>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/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>	-	21.901275	Cum

i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	21.901275	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./Cm² with dimensional tolerance ± 2 %	400	8760.51	1000 Nos
iii)	BRM340 : Cement	0.672	14.7176568	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.28	6.132357	1 Cum
7	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	-	39.797322625	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.10625885140875	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	5.01446265075	1Mtr.

8	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	-	38.3224875	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	21.168612142857	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.19891195892857	1Cum.
9	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.	-	11	Qntl
i)	BRM162 : Binding Wire.	0.8	8.8	1 Kg.
ii)	BRM341 : Steel	1.05	11.55	1 Qntl.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	7.4561674	1 Cum	664.37	4953.653935538
2	BRM340	85.289321959846	1 Qntl.	599.177	51103.400063934
3	BRM028	20.595465731344	1 Cum	667.74	13752.416287448
4	BRM044	7.157920704	1 Cum.	1336.36	9565.5589119974

5	BRM060	4.117758264	1 Cum.	1748.88	7201.4650727443
6	BRM052	6.176637396	1 Cum.	1723.4	10644.816888266
7	BRM006	16956.15364192	1000 Nos	5.36398	90952.469012186
8	BRMMR0025	21.901275	1 Cum	33	722.742075
9	BRM104	0.30517081033732	1Cum.	58573.086	17874.796118578
10	BRM092	5.01446265075	1Mtr.	229.106	1148.8434800627
11	BRM084	21.168612142857	1Mtr	250.166	5295.66702533
12	BRM162	8.8	1 Kg.	90.1	792.88
13	BRM341	11.55	1 Qntl.	6505.642	75140.1651
Total: 289148.87397108					