

ESTIMATION DPR							
State	Odisha	District	Boudh	Block	Boudh	Gram Panchayat	Brahmanipali

Work Code	OD/349/3329/116780/418473/00015026 (Construction of VSS Building at Tarabha)
Project Category	Building

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Boudh	Proposal Date	-
Date of Commencement	-	Date of Completion	-
Scheme Name	Construction of Vana Suraksha Samiti Building	Scheme Component Name	Construction of Buildings for Vana Suraksha Samiti
Project Sub-Category	Vana Suraksha Samiti Building	Project Type	New Work
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	18342
Fund Sanction Amount (in Rs.)	850000

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Earth Work (AR0102a) :-Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil 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	-	29.9609442	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.	-	24.35020814112	Cum
i)	BRM029 : Sand for filling and road blinding	1	24.35020814112	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.	-	7.9998184150848	Cum
i)	BRM340 : Cement	2.29	18.319584170544	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	3.8399128392407	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	7.6798256784814	1 Cum.

4	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.)	-	4.805219376	Cum
i)	BRM340 : Cement	3.4733	16.689968458661	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.1623487192	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	1.72987897536	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	2.59481846304	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.01924490360088	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.189	0.908186462064	1Mtr.

5	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)	-	2.2068770854176	Cum
i)	BRM340 : Cement	3.4733	7.665146180781	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.99309468843792	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	0.79447575075034	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	1.1917136261255	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.029461809090325	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.63	1.3903325638131	1Mtr.

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)	-	1.32944402736	Cum
i)	BRM340 : Cement	3.4733	4.6175579402295	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.598249812312	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	0.4785998498496	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	0.7178997747744	1 Cum.
v)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	3.7695	5.0113392611335	1Mtr.
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0741335	0.098556338802293	1Cum.

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)	-	3.21661291584	Cum
i)	BRM340 : Cement	3.4733	11.172261640587	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.447475812128	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	1.1579806497024	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	1.7369709745536	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	4.4196	14.216142442846	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	0.13358271778192	1Cum.

8	R.C.C. Work (AR0404Ae) ∴ 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 Stairs excluding landing but including railing)	-	1.13196408	Cum
i)	BRM340 : Cement	3.4733	3.931650839064	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.509383836	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	0.4075070688	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	0.6112606032	1 Cum.
v)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	1.17	1.3243979736	1Mtr.
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.04806	0.0544021936848	1Cum.

9	<p>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)</p>	-	4.6843448110464	Cum
i)	BRM340 : Cement	3.4733	16.270134832207	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.1079551649709	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	1.6863641319767	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	2.5295461979651	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	6.2216	29.144119676406	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.23523468024528	1Cum.

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.	-	17.36	Qntl
i)	BRM162 : Binding Wire.	0.8	13.888	1 Kg.
ii)	BRM341 : Steel	1.05	18.228	1 Qntl.
11	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/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.	-	10.81843344	Cum
i)	BRM340 : Cement	0.672	7.26998727168	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	3.0291613632	1 Cum
iii)	BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance ± 2 %	350	3786.451704	1000 Nos

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>	-	25.73360841504	Cum
i)	<p>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</p>	1	25.73360841504	1 Cum
ii)	<p>BRM340 : Cement</p>	0.672	17.292984854907	1 Qntl.
iii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.28	7.2054103562112	1 Cum
iv)	<p>BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm² with dimensional tolerance ± 2 %</p>	350	9006.762945264	1000 Nos
13	<p>Plastering (AR1017) :.20mm thick cement Plaster in CM (1:4) over masonry work in inside. - 20mm thick cement Plaster in CM (1:4) over stone 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>	-	43.4930597068	Sqm
i)	<p>BRM340 : Cement</p>	0.0744	3.2358836421859	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.021	0.9133542538428	1 Cum
14	Plastering (AR1004i) :.12mm thick cement plaster (1:6) over Brick work in outside. - 12mm thick cement plaster (1:6) over Brick work in outside 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.	-	82.560573525	Sqm
i)	BRM340 : Cement	0.0358	2.955668532195	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.238408602875	1 Cum

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	24.35020814112	1 Cum	413.05	10057.85347269
2	BRM340	109.42082836304	1 Qntl.	556.782	60923.547657631
3	BRM028	24.044755448419	1 Cum	417.99	10050.467329884
4	BRM044	7.6798256784814	1 Cum.	1336.36	10263.011843695
5	BRM060	6.254806426439	1 Cum.	1759.78	11007.083253119
6	BRM052	9.3822096396586	1 Cum.	1723.4	16169.300092988
7	BRM104	0.5704826432055	1Cum.	58620.646	33442.061076494
8	BRM092	2.2985190258771	1Mtr.	276.666	635.92206481331
9	BRM094	6.3357372347335	1Mtr.	287.666	1822.5761873669
10	BRM084	43.360262119253	1Mtr	297.726	12909.477399717
11	BRM162	13.888	1 Kg.	90.1	1251.3088
12	BRM341	18.228	1 Qntl.	6505.422	118580.832216
13	BRM005	12793.214649264	1000 Nos	6.1539	78728.163630106
14	BRMMR0025	25.73360841504	1 Cum	33	849.20907769632
Total: 366690.8141022					