

ESTIMATION DPR							
State	Odisha	District	Kandhamal	Block	Phulbani	Gram Panchayat	Bisipada

Work Code	OD/359/3430/118978/415494/00016475 (Development of Rural Haat at Bisipada)						
Project Category	Other Infrastructure						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Phulbani	Proposal Date	-
Date of Commencement	17-02-2025	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Development of Rural Haat
Project Sub-Category	Rural Haat	Project Type	Upgradation or Improvement
Name of Executant	SANTOSHI SAHOO		

Administrative Approval Details

Approval No.	OD/359/3430/118978/415494/00016475/AS
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Technical Sanction Details

Technical Sanction No.	OD/359/3430/118978/415494/00016475/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	1000000

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Earth Work (AR0101aa) ∴.Earthwork in ordinary soil in foundation and plinth within 50m, initial lead and 1.5m, initial lift - Earthwork in ordinary soil in foundation and 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 direction of the Engineer-in-charge per 100 cum	-	42.688142336	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.	-	28.457817664	Cum
i)	BRM029 : Sand for filling and road blinding	1	28.457817664	1 Cum
3	Concrete (AR0304a) :.Cement concrete (1:4:8) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:4:8) with 4 cm. hard granite(Hand 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.	-	37.0457792432	Cum
i)	BRM340 : Cement	1.72	63.718740298304	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	17.781974036736	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	35.563948073472	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)	-	34.184936960186	Cum
i)	BRM340 : Cement	3.4733	118.73454154381	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	15.383221632084	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	12.306577305667	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	18.4598659585	1 Cum.

5	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.	-	34	Qntl
i)	BRM162 : Binding Wire.	0.8	27.2	1 Kg.
ii)	BRM341 : Steel	1.05	35.7	1 Qntl.
6	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	-	62.13724252	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.1659064375284	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	7.82929255752	1Mtr.

7	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 centering 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, girder and bressmer, etc. Data for 4.2sqm	-	75.22541716	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	41.553087574095	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.39045573668762	1Cum.
8	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 centering 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	-	88.9551427568	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.622222222222222	55.349866604231	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0050222222222222	0.44675249473415	1Cum.

9	Plastering (AR1026i) :.6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces (outside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in outside 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.	-	88.9551427568	Sqm
i)	BRM340 : Cement	0.0271	2.4106843687093	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.667163570676	1 Cum
10	Flooring (AR0802i) :.2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.	-	83.6544041567	Sqm
i)	BRM340 : Cement	0.0858	7.1775478766449	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.012	1.0038528498804	1 Cum
iii)	BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.023	1.9240512956041	1 Cum.

11	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.	-	34.9872698	Sqm
i)	BRM340 : Cement	0.0358	1.25254425884	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.524809047	1 Cum
12	Painting(AR0918cb) ∴Finishing wall two coats with weather coat with one coat waterbound Primer - Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	180.2439717124	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	22.53049646405	1 Ltr
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	16.280100670797	1 Ltr

13	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 specifaion and direction of Engineer-in charge.	-	2.132821376	Cum
i)	BRM340 : Cement	3.23	6.88901304448	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.9597696192	1 Cum
iii)	BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.9	1.9195392384	1 Cum.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	28.457817664	1 Cum	346.01	9846.6894899206
2	BRM340	200.18307139079	1 Qntl.	587.287	117564.91544788
3	BRM028	36.320790755576	1 Cum	938.79	34097.595153427
4	BRM045	35.563948073472	1 Cum.	1063.37	37817.635462888
5	BRM060	12.306577305667	1 Cum.	2280.58	28066.134071758
6	BRM052	18.4598659585	1 Cum.	2244.2	41427.631184067
7	BRM162	27.2	1 Kg.	90.1	2450.72
8	BRM341	35.7	1 Qntl.	6943.937	247898.5509
9	BRM104	1.0031146689502	1Cum.	58573.086	58755.52177228
10	BRM092	7.82929255752	1Mtr.	229.106	1793.7379006832
11	BRM084	96.902954178326	1Mtr	250.166	24241.824434975
12	BRM056	3.8435905340041	1 Cum.	2258.53	8680.8645287643
13	BRM255	22.53049646405	1 Ltr	195.03787	4394.3000403908
14	BRM253	16.280100670797	1 Ltr	159.27787	2593.0597582302

Total: 619629.18014527