

ESTIMATION DPR							
State	Odisha	District	Ganjam	Block	Surada	Gram Panchayat	Gochha

Work Code	OD/354/3385/118027/410808/00064281 (Reno of Kandhunidevi Mandir at Dabik)
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	Chief Minister Special Assistant	Scheme Component Name	Chief Minister Special Assistance (CM-SA)
Project Sub-Category	Community Centre	Project Type	Renovation or Rejuvenation
Name of Executant	Narahari Mundia		

Administrative Approval Details

Approval No.	OD/354/3385/118027/410808/00064281/AS
---------------------	---------------------------------------

Technical Sanction Details

Technical Sanction No.	OD/354/3385/118027/410808/00064281/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	450000

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	-	7.328604	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.	-	4.32054	Cum
i)	BRM029 : Sand for filling and road blinding	1	4.32054	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.	-	3.96039	Cum
i)	BRM340 : Cement	2.29	9.0692931	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	1.9009872	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	3.8019744	1 Cum.
4	Masonry Stone Work (AR0717) :.Laterite stone masonry - Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.	-	6.078072	Cum
i)	BRM340 : Cement	0.572	3.476657184	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.24	1.45873728	1 Cum
iii)	BRM079 : Laterite Stone rough dressed	1	6.078072	1 Cum.
5	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 specificaion and direction of Engineer-in charge.	-	0.553392	Cum
i)	BRM340 : Cement	3.23	1.78745616	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.2490264	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	0.4980528	1 Cum.

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)	-	3.284746	Cum
i)	BRM340 : Cement	3.4733	11.4089082818	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.4781357	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	1.18250856	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	1.77376284	1 Cum.

7	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.	-	3.3	Qntl
i)	BRM162 : Binding Wire.	0.8	2.64	1 Kg.
ii)	BRM341 : Steel	1.05	3.465	1 Qntl.
8	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	-	6.6332	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.017710644	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	0.8357832	1Mtr.

9	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	-	4.326	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.26923076923077	1.1646923076923	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.022905615384615	1Cum.
10	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	-	2.2638	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	1.25048	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.0117502	1Cum.

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>	-	19.6618	Sqm
i)	<p>BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.</p>	0.622222222222222	12.234008888889	1Mtr
ii)	<p>BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)</p>	0.005022222222222	0.09874592888889	1Cum.
12	<p>Masonry Brick Work (AR0603ei) :-C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with C.B. 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>	-	14.133689	Cum
i)	<p>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</p>	1	14.133689	1 Cum

ii)	BRM002 : Well burnt clamp burnt bricks (23 Cm. x 11Cm. x 8Cm.) having crushing strength not less than 35 Kg./Cm ² with dimensional tolerance \pm 8 percent.	400	5653.4756	1000 Nos
iii)	BRM340 : Cement	0.672	9.497839008	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.28	3.95743292	1 Cum
13	Flooring (AR0802ii) :.2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.	-	10.8003	Sqm
i)	BRM340 : Cement	0.0858	0.92666574	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.012	0.1296036	1 Cum
iii)	BRM057 : 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)(Hand broken)	0.023	0.2484069	1 Cum.
14	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.	-	105.0323	Sqm
i)	BRM340 : Cement	0.043	4.5163889	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.8905814	1 Cum
15	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.	-	64.3595	Sqm
i)	BRM340 : Cement	0.0358	2.3040701	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.9653925	1 Cum
16	Painting(AR0922b) :.Finishing wall surface with two coats with distemper of approved shades above one coat waterbound Primer on new work (Inside) - Finishing wall surface with two coats with distemper of approved shades above one coat waterbound Primer for new work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)	-	67.8266	Sqm
i)	BRM142 : Distemper	0.25	16.95665	1 Kg.
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	5.6974344	1 Ltr

17	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)	-	64.3595	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	8.0449375	1 Ltr
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	5.8131161290323	1 Ltr
18	Painting(AR0917h) :.Finishing wall with one coat weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work (Outside) - Finishing wall with one coat 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)	-	246.7679	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.075	18.5075925	1 Ltr
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	22.288713548387	1 Ltr

19	Painting(AR0919b) :.Finishing wall surface with One Coat with plastic emulsion paint of approved shades above one coat water bound Primer on old work (Inside) - Finishing wall surface with One Coat with plastic emulsion paint of approved shades above one coat waterbound Primer on old work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge..(Inside)	-	241.2719	Sqm
i)	BRM140 : Plastic Emulsion paint	0.075	18.0953925	1 Litre
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	20.2668396	1 Ltr
20	Painting(AR0920) :.Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) - Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)	-	96	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	12	1 Litre
21	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.	-	1.00330006	Qntl

i)	BRM341 : Steel	1	1.00330006	1 Qntl.
22	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.	-	24.131025	Sqm
i)	BRM137 : Red oxide Primer	0.054	1.30307535	1 Litre
ii)	BRM141 : Enamel paint	0.125	3.016378125	1 Litre

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	4.32054	1 Cum	403.97	1745.3685438
2	BRM340	42.9872784738	1 Qntl.	598.442	25725.392904418
3	BRM028	12.029897	1 Cum	407.34	4900.25824398
4	BRM044	3.8019744	1 Cum.	1401.46	5328.315042624
5	BRM079	6.078072	1 Cum.	1059.58	6440.20352976
6	BRM056	0.4980528	1 Cum.	1802.83	897.904529424
7	BRM060	1.18250856	1 Cum.	1813.98	2145.0468776688
8	BRM052	1.77376284	1 Cum.	1788.5	3172.37483934
9	BRM162	2.64	1 Kg.	90.1	237.864
10	BRM341	4.46830006	1 Qntl.	6223.172	27806.99982099
11	BRM104	0.1511123882735	1Cum.	58573.086	8851.1189140094
12	BRM092	0.8357832	1Mtr.	229.106	191.4829458192
13	BRM094	1.1646923076923	1Mtr.	240.106	279.64961123077
14	BRM084	13.484488888889	1Mtr	250.166	3373.3606473778
15	BRMMR0025	14.133689	1 Cum	33	466.411737
16	BRM002	5653.4756	1000 Nos	4.92297	27831.890774532
17	BRM057	0.2484069	1 Cum.	1476.21	366.700749849
18	BRM142	16.95665	1 Kg.	70.34787	1192.8642098355
19	BRM253	54.066103677419	1 Ltr	159.27787	8611.5338329385
20	BRM255	26.55253	1 Ltr	195.03787	5178.7488943111
21	BRM140	30.0953925	1 Litre	249.58787	7511.444910889
22	BRM137	1.30307535	1 Litre	142.94787	186.271845732

23	BRM141	3.016378125	1 Litre	205.58787	620.13075383334
					Total: 143061.33815936