

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Sundargarh	<b>Block</b>	Nuagaon	<b>Gram Panchayat</b>	Purunapani

<b>Work Code</b>	OD/373/3585/121724/384399/00021837 (Provision Of Facility Centre At Purnapani GP Hqrs)
<b>Project Category</b>	Building

<b>Financial Year</b>	2023-24	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Nuagaon	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	28-01-2026	<b>Date of Completion</b>	-
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	Provision of Facilities at GP Head Quarter
<b>Project Sub-Category</b>	GP Facility Centre	<b>Project Type</b>	New Work
<b>Name of Executant</b>	Sukanta Kumar Das		

### Administrative Approval Details

<b>Approval No.</b>	OD/373/3585/121724/384399/00021837/AS
---------------------	---------------------------------------

### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/373/3585/121724/384399/00021837/TS
<b>Fund Sanction No.</b>	11938
<b>Fund Sanction Amount (in Rs.)</b>	1000000

### MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b> 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	-	<b>31.671</b>	Cum

2	<b>Earth Work (AR0115)</b> :.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.	-	<b>40.799749990736</b>	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	40.799749990736	1 Cum
3	<b>Masonry Brick Work (AR0603b)</b> :.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 <sup>2</sup> with dimensional tolerance $\pm 8$ 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.	-	<b>16.0965</b>	Cum
i)	<b>BRM340</b> : Cement	0.672	10.816848	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	4.50702	1 Cum
iii)	<b>BRM005</b> : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm <sup>2</sup> with dimensional tolerance $\pm 2$ %	350	5633.775	1000 Nos

4	<p><b>Masonry Brick Work (AR0603ci) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure -</b>  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<sup>2</sup> 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&amp;P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	30.3025	Cum
i)	<p><b>BRMMR0025 :</b>  SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</p>	1	30.3025	1 Cum
ii)	<p><b>BRM006 :</b> Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm<sup>2</sup> with dimensional tolerance ± 2 %</p>	400	12121	1000 Nos
iii)	<p><b>BRM340 :</b> Cement</p>	0.672	20.36328	1 Qntl.
iv)	<p><b>BRM028 :</b> Screened and washed sharp sand for mortar</p>	0.28	8.4847	1 Cum

5	<p><b>R.C.C. Work (AR0404Aa)</b>  <b>∴ Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b>  Reinforced cement concrete work of M-20 grade with 20mm &amp; 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&amp;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.)</p>	-	<b>23.17905</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	80.507794365	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	10.4305725	1 Cum
iii)	<b>BRM060</b> : 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	8.344458	1 Cum.
iv)	<b>BRM052</b> : 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	12.516687	1 Cum.
v)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.09283209525	1Cum.
vi)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.189	4.38084045	1Mtr.

6	<b>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 -</b> 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.	-	23.18	Qntl
i)	<b>BRM162</b> : Binding Wire.	0.8	18.544	1 Kg.
ii)	<b>BRM341</b> : Steel	1.05	24.339	1 Qntl.
7	<b>R.C.C. Work (AR0410c) :.R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc -</b> 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	-	53.136	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.14187312	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	6.695136	1Mtr.

8	<b>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</b>	-	27.975	Sqm
i)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	15.452857142857	1Mtr
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.14520357142857	1Cum.
9	<b>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</b>	-	13.5	Sqm
i)	<b>BRM094</b> : Non-sal bullahs 125mm. mean dia of any length.	0.26923076923077	3.6346153846154	1Mtr.
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.071480769230769	1Cum.

10	<b>R.C.C. Work (AR0410a) :.Centring &amp; 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</b>	-	<b>80.82</b>	Sqm
i)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.622222222222222	50.288	1Mtr
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.005022222222222	0.405896	1Cum.
11	<b>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 &amp; P required for the work etc. comp.and as per direction of Engineer-in-charge.</b>	-	<b>107.76</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0358	3.857808	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	1.6164	1 Cum

12	<b>Plastering (AR1014)</b> :.16mm thick cement <b>Plaster in CM (1:6)</b> <b>over brick work in</b> <b>inside.</b> - 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.	-	<b>178.26</b>	Sqm
i)	<b>BRM340</b> : Cement	0.043	7.66518	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	3.20868	1 Cum
13	<b>Other Building Items.</b> <b>(AR1901B)</b> :.Vitrified <b>Tile 600mmx600mm</b> <b>Plain Ivory</b> - Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in- charge(for new work only)	-	<b>79.9775</b>	Sqm
i)	<b>BRM174</b> : White Cement.	0.0076	0.607829	1Qntl
ii)	<b>BRM340</b> : Cement	0.1074	8.5895835	1 Qntl.
iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.021	1.6795275	1 Cum
iv)	<b>BRM131</b> : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group- B la) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	79.9775	1 Sqm.

14	<p><b>Flooring (AR0817b)</b>  <b>:.Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) - Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.</b></p>	-	11.22	Sqm
i)	<p><b>BRM129</b> : Tiles up to 20cmx30cm / 20cm x 20cm special plain /printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753</p>	1	11.22	1 Sqm.
ii)	<p><b>BRM340</b> : Cement</p>	0.1375	1.54275	1 Qntl.
iii)	<p><b>BRM028</b> : Screened and washed sharp sand for mortar</p>	0.015	0.1683	1 Cum
15	<p><b>Iron Work(AR1704)</b>  <b>:.Iron Doors and windows fixing - Supplying, fitting &amp; fixing of Mild steel and put up for frames &amp; shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T &amp; P required for the work etc. as per direction of Engineer-in-charge.</b></p>	-	2.94	Qntl
i)	<p><b>BRM341</b> : Steel</p>	1	2.94	1 Qntl.

16	<b>Other Building Items. (AR1902) :.cement based wall putty (water based) -</b> Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,etc. complete. and as per the direction of Engineer in Charge.	-	292	Sqm
i)	<b>BRMMR0038</b> : Cement based putty	0.8	233.6	kg
17	<b>Concrete (AR0303) :.Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b> 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.	-	11.911	Cum
i)	<b>BRM340</b> : Cement	2.29	27.27619	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	5.71728	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	11.43456	1 Cum.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	40.799749990736	1 Cum	413.05	16852.336733674
2	<b>BRM340</b>	160.619433865	1 Qntl.	561.242	90146.37230126
3	<b>BRM028</b>	35.81248	1 Cum	417.99	14969.2585152
4	<b>BRM005</b>	5633.775	1000 Nos	6.1539	34669.6879725
5	<b>BRMMR0025</b>	30.3025	1 Cum	33	999.9825

6	<b>BRM006</b>	12121	1000 Nos	5.36398	65016.80158
7	<b>BRM060</b>	8.344458	1 Cum.	2056.61	17161.29576738
8	<b>BRM052</b>	12.516687	1 Cum.	2048.9	25645.4399943
9	<b>BRM104</b>	0.85728555590934	1Cum.	58573.086	50213.860592836
10	<b>BRM092</b>	11.07597645	1Mtr.	229.106	2537.5726605537
11	<b>BRM162</b>	18.544	1 Kg.	90.1	1670.8144
12	<b>BRM341</b>	27.279	1 Qntl.	6224.802	169806.373758
13	<b>BRM084</b>	65.740857142857	1Mtr	250.166	16446.127268
14	<b>BRM094</b>	3.6346153846154	1Mtr.	240.106	872.69296153846
15	<b>BRM174</b>	0.607829	1Qntl	2030.732	1234.337800828
16	<b>BRM131</b>	79.9775	1 Sqm.	671.0558341	53669.367971733
17	<b>BRM129</b>	11.22	1 Sqm.	426.2558341	4782.590458602
18	<b>BRMMR0038</b>	233.6	kg	30	7008
19	<b>BRM044</b>	11.43456	1 Cum.	1661.86	19002.6378816
					<b>Total: 592705.551118</b>