

ESTIMATION DPR							
State	Odisha	District	Kalahandi	Block	Narala	Gram Panchayat	Rupra Road

Work Code	OD/358/3420/118842/422759/00020255 (Provision Of Facility Centre At Rupra Road GP Office)
Project Category	Building

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Narala	Proposal Date	-
Date of Commencement	18-09-2025	Date of Completion	31-12-2025
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Provision of Facilities at GP Head Quarter
Project Sub-Category	GP Facility Centre	Project Type	New Work
Name of Executant	SANJUKTA PANI		

Administrative Approval Details

Approval No.	OD/358/3420/118842/422759/00020255/AS
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Technical Sanction Details

Technical Sanction No.	OD/358/3420/118842/422759/00020255/TS
Fund Sanction No.	12438
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	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.	-	9.67655	Cum

i)	BRM340 : Cement	2.29	22.1592995	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	4.644744	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	9.289488	1 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.	-	4.33575	Cum
i)	BRM029 : Sand for filling and road blinding	1	4.33575	1 Cum
3	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	-	40.47587	Cum
4	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.	-	114.9	Sqm

i)	BRM340 : Cement	0.0358	4.11342	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.7235	1 Cum
5	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.	-	178.948	Sqm
i)	BRM340 : Cement	0.043	7.694764	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	3.221064	1 Cum
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	-	26.352	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.07035984	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	3.320352	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	-	51.24415	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	28.306292380952	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.26598154047619	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	-	77.5492	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.622222222222222	48.252835555556	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0050222222222222	0.38946931555556	1Cum.

9	<p>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.</p>	-	25.1	Qntl
i)	BRM162 : Binding Wire.	0.8	20.08	1 Kg.
ii)	BRM341 : Steel	1.05	26.355	1 Qntl.
10	<p>Flooring (AR0817aa) :.Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) - Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.</p>	-	39.77	Sqm
i)	BRM131 : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B Ia) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	39.77	1 Sqm.

ii)	BRMMR0027 : Wax Polish	1	39.77	1 Sqm
iii)	BRM340 : Cement	0.1375	5.468375	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.59655	1 Cum
11	Flooring (AR0816) :.Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor - Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.	-	8.9856	Sqm
i)	BRMMR0027 : Wax Polish	1	8.9856	1 Sqm
ii)	BRM130 : Tiles up to 30cm x 30cm / 40cm x 40cm special plain / printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755	1	8.9856	1 Sqm.
iii)	BRM340 : Cement	0.2737	2.45935872	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.013	0.1168128	1 Cum

12	<p>Flooring (AR0817b) :.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.</p>	-	46.17	Sqm
i)	<p>BRM129 : 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	46.17	1 Sqm.
ii)	<p>BRM340 : Cement</p>	0.1375	6.348375	1 Qntl.
iii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.015	0.69255	1 Cum
13	<p>Painting(AR0919) :.Finishing wall One Coat with plastic emulsion paint of approved shades on old work (Inside) - Finishing wall One Coat with plastic emulsion paint of approved shades on old 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)</p>	-	95.068	Sqm
i)	<p>BRM140 : Plastic Emulsion paint</p>	0.075	7.1301	1 Litre

14	<p>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)</p>	-	25.360315	Cum
i)	BRM340 : Cement	3.4733	88.0839820895	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	11.41214175	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	9.1297134	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	13.6945701	1 Cum.
15	<p>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.</p>	-	4	Sqm

i)	BRM340 : Cement	0.0858	0.3432	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.012	0.048	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	0.092	1 Cum.
16	Painting(AR0902) :. Painting one coat of enamel on new wood work in inner surface - Painting one coat of enamel on new wood work in inner surface including all costs of labour, Paint, Primer and brushes required for the work etc. complete and as per direction of Engineer-in-charge.	-	16.83	Sqm
i)	BRM141 : Enamel paint	0.075	1.26225	1 Litre
17	Painting(AR0918Ai) :. Finishing wall one coat with weather coat - Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes required for the work etc. complete and as per direction of Engineer-in-charge.	-	129.1638	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.075	9.687285	1 Ltr
18	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.	-	3.6045	Qntl
i)	BRM341 : Steel	1	3.6045	1 Qntl.

19	<p>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/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>	-	14.8709	Cum
i)	BRM340 : Cement	0.672	9.9932448	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	4.163852	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./Cm2 with dimensional tolerance ± 2 %	350	5204.815	1000 Nos
20	<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>	-	23.89902	Cum

i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	23.89902	1 Cum
ii)	BRM340 : Cement	0.672	16.06014144	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	6.6917256	1 Cum
iv)	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 \pm 2 %	350	8364.657	1000 Nos

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	162.7241605495	1 Qntl.	634.937	103319.59032682
2	BRM028	33.31094015	1 Cum	678.39	22597.808688358
3	BRM044	9.289488	1 Cum.	1531.66	14228.33719008
4	BRM029	4.33575	1 Cum	413.05	1790.8815375
5	BRM104	0.72581069603175	1Cum.	58573.086	42512.972318387
6	BRM092	3.320352	1Mtr.	229.106	760.712565312
7	BRM084	76.559127936508	1Mtr	250.166	19152.490799364
8	BRM162	20.08	1 Kg.	90.1	1809.208
9	BRM341	29.9595	1 Qntl.	5314.687	159225.3651765
10	BRM131	39.77	1 Sqm.	660.6811111	26275.287788447
11	BRMMR0027	48.7556	1 Sqm	8.5	414.4226
12	BRM130	8.9856	1 Sqm.	459.6811111	4130.5105919002
13	BRM129	46.17	1 Sqm.	414.8011111	19151.367299487
14	BRM140	7.1301	1 Litre	249.58787	1779.586471887
15	BRM060	9.1297134	1 Cum.	1931.41	17633.219757894
16	BRM052	13.6945701	1 Cum.	1916.41	26244.411085341
17	BRM057	0.092	1 Cum.	1621.6	149.1872
18	BRM141	1.26225	1 Litre	205.64732	259.57832967
19	BRM255	9.687285	1 Ltr	189.74787	1838.141694833
20	BRM005	13569.472	1000 Nos	6.30115	85503.2784928
21	BRMMR0025	23.89902	1 Cum	33	788.66766

Total: 549565.02557458