

ESTIMATION DPR							
State	Odisha	District	Balangir	Block	Bangomunda	Gram Panchayat	Jurabandh

Work Code	OD/345/3286/115815/421218/00022666 (Provision Of Facility Centre At Jurabandh GP Hqrs)						
Project Category	Building						

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Bangomunda	Proposal Date	-
Date of Commencement	25-08-2025	Date of Completion	-
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	SINGRAI MURMU		

Administrative Approval Details

Approval No.	OD/345/3286/115815/421218/00022666/AS
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Technical Sanction Details

Technical Sanction No.	OD/345/3286/115815/421218/00022666/TS
Fund Sanction No.	13738
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 (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	-	28.722296576	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.	-	28.3132604	Cum
i)	BRM029 : Sand for filling and road blinding	1	28.3132604	1 Cum
3	Concrete (AR0304) :.Cement concrete (1:4:8) with 4 cm. hard granite(Crusher Broken) metal - Cement concrete (1:4:8) 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.	-	14.2610484	Cum
i)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	13.690606464	1 Cum.
ii)	BRM340 : Cement	1.72	24.529003248	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.48	6.845303232	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.	-	13.9884992	Cum
i)	BRM340 : Cement	0.572	8.0014215424	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.24	3.357239808	1 Cum
iii)	BRM079 : Laterite Stone rough dressed	1	13.9884992	1 Cum.
5	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)	-	20.678944932	Cum
i)	BRM340 : Cement	3.4733	71.824179432316	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	9.3055252194	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	7.44442017552	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	11.16663026328	1 Cum.

6	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.	-	18.603	Qntl
i)	BRM162 : Binding Wire.	0.8	14.8824	1 Kg.
ii)	BRM341 : Steel	1.05	19.53315	1 Qntl.
7	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	-	46.8509829	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.125092124343	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	5.9032238454	1Mtr.

8	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	-	12.913517	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.26923076923077	3.4767161153846	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.068375416935897	1Cum.
9	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	-	40.9237715	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	22.60551187619	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.21241386159524	1Cum.

10	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	-	64.17274725	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.622222222222222	39.9297094	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0050222222222222	0.3222897973	1Cum.
11	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.	-	24.098623284	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	24.098623284	1 Cum
ii)	BRM340 : Cement	0.672	16.194274846848	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	6.74761451952	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	8434.5181494	1000 Nos
12	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.	-	95.968799	Sqm
i)	BRM340 : Cement	0.0358	3.4356830042	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.439531985	1 Cum
13	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.	-	168.618945	Sqm
i)	BRM340 : Cement	0.043	7.250614635	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	3.03514101	1 Cum

14	Flooring (AR0817aa) :.Fifth Floor - 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.	-	2.29934925	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 la) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	2.29934925	1 Sqm.
ii)	BRMMR0027 : Wax Polish	1	2.29934925	1 Sqm
iii)	BRM340 : Cement	0.1375	0.316160521875	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.03449023875	1 Cum
15	Other Building Items. (AR1901B) :Vitrified Tile 600mmx600mm Plain Ivory - Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make confirming 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)	-	53.34583163	Sqm
i)	BRM174 : White Cement.	0.0076	0.405428320388	1Qntl
ii)	BRM340 : Cement	0.1074	5.729342317062	1 Qntl.

iii)	BRM028 : Screened and washed sharp sand for mortar	0.021	1.12026246423	1 Cum
iv)	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	53.34583163	1 Sqm.
16	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.	-	29.60261192	Sqm
i)	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	1	29.60261192	1 Sqm.
ii)	BRM340 : Cement	0.1375	4.070359139	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.4440391788	1 Cum

17	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.	-	5.6175	Qntl
i)	BRM341 : Steel	1	5.6175	1 Qntl.
18	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)	-	169.176363	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	21.147045375	1 Litre
19	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.	-	96.526217	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.075	7.239466275	1 Ltr

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	28.3132604	1 Cum	347.95	9851.59895618
2	BRM044	13.690606464	1 Cum.	1271.26	17404.320373425
3	BRM340	141.3510386867	1 Qntl.	572.212	80882.760548994
4	BRM028	32.3291476557	1 Cum	352.89	11408.63291622
5	BRM079	13.9884992	1 Cum.	1038.56	14527.895729152
6	BRM060	7.44442017552	1 Cum.	1676.01	12476.922658373

7	BRM052	11.16663026328	1 Cum.	1658.3	18517.622965597
8	BRM162	14.8824	1 Kg.	90	1339.416
9	BRM341	25.15065	1 Qntl.	6598.192	165948.8176248
10	BRM104	0.72817120017414	1Cum.	58620.646	42685.866152803
11	BRM092	5.9032238454	1Mtr.	276.666	1633.2213284114
12	BRM094	3.4767161153846	1Mtr.	287.666	1000.1330180482
13	BRM084	62.53522127619	1Mtr	297.726	18618.361289675
14	BRMMR0025	24.098623284	1 Cum	33	795.254568372
15	BRM005	8434.5181494	1000 Nos	6.1539	51905.181239593
16	BRM131	55.64518088	1 Sqm.	662.3175001	36854.777093054
17	BRMMR0027	2.29934925	1 Sqm	8.5	19.544468625
18	BRM174	0.405428320388	1Qntl	2047.912	830.28152246243
19	BRM129	29.60261192	1 Sqm.	416.4375001	12327.637704395
20	BRM140	21.147045375	1 Litre	249.64732	5279.3032037871
21	BRM255	7.239466275	1 Ltr	195.09732	1412.4004684829
					Total: 505719.94983045