

ESTIMATION DPR							
State	Odisha	District	Angul	Block	Kishorenagar	Gram Panchayat	Dhadarpal

Work Code	OD/344/3281/115695/404693/00021907 (Provision Of Facility Centre At Dhadarpal GP Hqrs)
Project Category	Building

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Kishorenagar	Proposal Date	-
Date of Commencement	24-02-2026	Date of Completion	17-03-2026
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	MANORANJAN PRADHAN		

Administrative Approval Details

Approval No.	OD/344/3281/115695/404693/00021907/AS
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Technical Sanction Details

Technical Sanction No.	OD/344/3281/115695/404693/00021907/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 (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	-	28.764	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.	-	24.2721	Cum
i)	BRM029 : Sand for filling and road blinding	1	24.2721	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.	-	10.7886	Cum
i)	BRM340 : Cement	2.29	24.705894	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	5.178528	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	10.357056	1 Cum.

4	<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>	-	14.584338	Cum
i)	BRM340 : Cement	0.672	9.800675136	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	4.08361464	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./Cm ² with dimensional tolerance ± 2 %	350	5104.5183	1000 Nos
5	<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>	-	20.4444	Cum

i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	20.4444	1 Cum
ii)	BRM340 : Cement	0.672	13.7386368	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	5.724432	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	7155.54	1000 Nos
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)	-	22.8029035	Cum
i)	BRM340 : Cement	3.4733	79.20132472655	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	10.261306575	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	8.20904526	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	12.31356789	1 Cum.
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	-	53.4528	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.142718976	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	6.7350528	1Mtr.
8	R.C.C. Work (AR0410e) :.First floor - 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	-	13.086	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.32307692307692	4.2277846153846	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0063538461538462	0.083146430769231	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 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	-	39.972	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	22.079771428571	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.20747371428571	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 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	-	68.7783	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.622222222222222	42.795386666667	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0050222222222222	0.34541990666667	1Cum.

11	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.	-	22.8	Qntl
i)	BRM162 : Binding Wire.	0.8	18.24	1 Kg.
ii)	BRM341 : Steel	1.05	23.94	1 Qntl.
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.	-	107.722	Sqm
i)	BRM340 : Cement	0.0358	3.8564476	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.61583	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.	-	104.0636	Sqm
i)	BRM340 : Cement	0.043	4.4747348	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.8731448	1 Cum
14	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.	-	6.888	Qntl
i)	BRM341 : Steel	1	6.888	1 Qntl.
15	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.	-	6.888	Sqm
i)	BRM137 : Red oxide Primer	0.054	0.371952	1 Litre
ii)	BRM141 : Enamel paint	0.125	0.861	1 Litre

16	<p>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 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)</p>	-	33.3975	Sqm
i)	BRM174 : White Cement.	0.0076	0.253821	1Qntl
ii)	BRM340 : Cement	0.1074	3.5868915	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.021	0.7013475	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 la) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	33.3975	1 Sqm.

17	<p>Flooring (AR0817ab) :.Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) 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 Coloured /Printed series(Homogeneous) 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>	-	3.573	Sqm
i)	<p>BRM132 : 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 Coloured / Printed series(Homogeneous)</p>	1	3.573	1 Sqm.
ii)	<p>BRMMR0027 : Wax Polish</p>	1	3.573	1 Sqm
iii)	<p>CON026 : cement (Other way)</p>	0.1375	0.4912875	1000 kg
iv)	<p>BRM340 : Cement</p>	0.1375	0.4912875	1 Qntl.
v)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.015	0.053595	1 Cum

18	<p>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.</p>	-	8.848	Sqm
i)	BRMMR0027 : Wax Polish	1	8.848	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	8.848	1 Sqm.
iii)	BRM340 : Cement	0.2737	2.4216976	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.013	0.115024	1 Cum

19	<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>	-	14.958	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	14.958	1 Sqm.
ii)	<p>BRM340 : Cement</p>	0.1375	2.056725	1 Qntl.
iii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.015	0.22437	1 Cum
20	<p>Other Building Items. (AR1902) :.cement based wall putty (water based) - 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.</p>	-	97.3955	Sqm
i)	<p>BRMMR0038 : Cement based putty</p>	0.8	77.9164	kg

21	Painting(AR0901d) :.Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) - Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	-	97.3955	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	8.181222	1 Ltr
22	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)	-	97.3955	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	12.1744375	1 Litre
23	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)	-	107.722	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	13.46525	1 Ltr
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	9.7297290322581	1 Ltr

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	24.2721	1 Cum	543.25	13185.818325
2	BRM340	144.33431466255	1 Qntl.	551.372	79581.89974412
3	BRM028	29.831192515	1 Cum	873.69	26063.21458843
4	BRM044	10.357056	1 Cum.	1792.06	18560.46577536
5	BRM005	12260.0583	1000 Nos	6.1661	75596.74548363
6	BRMMR0025	20.4444	1 Cum	33	674.6652
7	BRM060	8.20904526	1 Cum.	2202.03	18076.563933878
8	BRM052	12.31356789	1 Cum.	2179.1	26832.495789099
9	BRM104	0.77875902772161	1Cum.	58620.646	45651.357283373
10	BRM092	6.7350528	1Mtr.	276.666	1863.3601179648
11	BRM094	4.2277846153846	1Mtr.	287.666	1216.1898891692
12	BRM084	64.875158095238	1Mtr	297.726	19315.021319063
13	BRM162	18.24	1 Kg.	90.1	1643.424
14	BRM341	30.828	1 Qntl.	6386.662	196888.016136
15	BRM137	0.371952	1 Litre	143.00732	53.19185868864
16	BRM141	0.861	1 Litre	205.64732	177.06234252
17	BRM174	0.253821	1Qntl	2047.912	519.803071752
18	BRM131	33.3975	1 Sqm.	662.3175001	22119.74870959
19	BRM132	3.573	1 Sqm.	706.9975001	2526.1020678573
20	BRMMR0027	12.421	1 Sqm	8.5	105.5785
21	CON026	0.4912875	1000 kg	0	0
22	BRM130	8.848	1 Sqm.	461.3175001	4081.7372408848
23	BRM129	14.958	1 Sqm.	413.4875001	6184.9460264958
24	BRMMR0038	77.9164	kg	30	2337.492
25	BRM253	17.910951032258	1 Ltr	159.33732	2853.8829361312
26	BRM140	12.1744375	1 Litre	249.64732	3039.3156943825
27	BRM255	13.46525	1 Ltr	195.09732	2627.03418813
Total:					571775.13222152