

ESTIMATION DPR							
State	Odisha	District	Ganjam	Block	Purushottampur	Gram Panchayat	Ganga-Dahani

Work Code	OD/354/3381/117934/412235/00078705 (Provision of facilities Centre at Gangadahani)
Project Category	Building

Financial Year	2022-23	Execution Level	PS
Executing Agency	Panchayat Samiti, Purushottampur	Proposal Date	12-10-2022
Date of Commencement	-	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	Completion
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	OD/354/3381/117934/412235/00078705/TS
Fund Sanction No.	1000000
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	Plastering (AR1004) .:First Floor - 12mm thick cement plster (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.	-	127.00954936	Sqm
i)	BRM340 : Cement	0.0358	4.546941867088	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.9051432404	1 Cum

2	R.C.C. Work (AR0404Ae) ∴ 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Stairs excluding landing but including railing)	-	2.4897617192	Cum
i)	BRM340 : Cement	3.4733	8.6476893792974	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.12039277364	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	0.896314218912	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	1.344471328368	1 Cum.
v)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	1.17	2.913021211464	1Mtr.
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.04806	0.11965794822475	1Cum.

3	Masonry Brick Work (AR0603ci) :.First floor - 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/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.	-	24.7311852	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	24.7311852	1 Cum
ii)	BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance ± 2 %	400	9892.47408	1000 Nos
iii)	BRM340 : Cement	0.672	16.6193564544	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.28	6.924731856	1 Cum
4	Concrete (AR0317) :.First floor - 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting 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 specifaion and direction of Engineer-in charge. (new work)	-	107.3736270218	Sqm
i)	BRM340 : Cement	0.1208	12.970734144233	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0169	1.8146142966684	1 Cum

iii)	BRM064 : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.0169	1.8146142966684	1 Cum.
5	Flooring (AR0817aa) :. First 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.	-	20.43587291	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	20.43587291	1 Sqm.
ii)	BRMMR0027 : Wax Polish	1	20.43587291	1 Sqm
iii)	BRM340 : Cement	0.1375	2.809932525125	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.30653809365	1 Cum
6	Painting(AR0901d) :. First Floor - 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.	-	116.16219508	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	9.75762438672	1 Ltr

7	Painting(AR0920) :.First Floor - 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)	-	120.48218458	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	15.0602730725	1 Litre
8	Plastering (AR1014) :.First Floor - 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.	-	140.60776147	Sqm
i)	BRM340 : Cement	0.043	6.04613374321	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	2.53093970646	1 Cum
9	Other Building Items. (AR1901B) :.First floor - 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)	-	91.788164	Sqm
i)	BRM174 : White Cement.	0.0076	0.6975900464	1Qntl
ii)	BRM340 : Cement	0.1074	9.8580488136	1 Qntl.

iii)	BRM028 : Screened and washed sharp sand for mortar	0.021	1.927551444	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	91.788164	1 Sqm.
10	Painting(AR0918Ai) :.First Floor - 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.	-	121.02288004	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.075	9.076716003	1 Ltr
11	R.C.C. Work (AR0404Ac) :.First Floor - 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. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)	-	6.002064324	Cum
i)	BRM340 : Cement	3.4733	20.846970016549	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.7009289458	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	2.16074315664	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	3.24111473496	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	5.30352	31.83206818362	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0498348	0.29911167517368	1Cum.
12	R.C.C. Work (AR0404Ad) :First Floor - 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Lintels)	-	2.150307	Cum
i)	BRM340 : Cement	3.4733	7.4686613031	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.96763815	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	0.77411052	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	1.16116578	1 Cum.

v)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	4.5234	9.7266986838	1Mtr.
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0889602	0.1912917407814	1Cum.
13	R.C.C. Work (AR0404Ag) :.First Floor - 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)	-	13.658808000173	Cum
i)	BRM340 : Cement	3.4733	47.441137827001	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	6.1464636000779	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	4.9171708800623	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	7.3757563200934	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	7.46592	101.97556782465	1Mtr

vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.06026064	0.82308851172755	1Cum.
14	R.C.C. Work (AR0409) :.First floor - 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.	-	20.58	Qntl
i)	BRM162 : Binding Wire.	0.8	16.464	1 Kg.
ii)	BRM341 : Steel	1.05	21.609	1 Qntl.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	137.2556060736	1 Qntl.	585.237	80327.059131698
2	BRM028	26.344942106696	1 Cum	433.38	11417.3710102
3	BRM060	8.7483387756143	1 Cum.	1709.82	14958.084605321
4	BRM052	13.122508163421	1 Cum.	1684.34	22102.765399977
5	BRM094	12.639719895264	1Mtr.	240.106	3034.8725851723
6	BRM104	1.4331498759074	1Cum.	58573.086	83944.010932412
7	BRMMR0025	24.7311852	1 Cum	33	816.1291116
8	BRM006	9892.47408	1000 Nos	5.293288	52363.714337975
9	BRM064	1.8146142966684	1 Cum.	1115.96	2025.0369705101
10	BRM131	112.22403691	1 Sqm.	663.9538891	74511.585756896
11	BRMMR0027	20.43587291	1 Sqm	8.5	173.704919735
12	BRM253	9.75762438672	1 Ltr	159.39677	1555.3338101164
13	BRM140	15.0602730725	1 Litre	249.70677	3760.652144252
14	BRM174	0.6975900464	1Qntl	2041.967	1424.4558542773
15	BRM255	9.076716003	1 Ltr	195.15677	1771.3825773528
16	BRM084	133.80763600827	1Mtr	250.166	33474.121069645
17	BRM162	16.464	1 Kg.	90.1	1483.4064
18	BRM341	21.609	1 Qntl.	6411.287	138541.500783

Total: 527685.18740014