

ESTIMATION DPR							
State	Odisha	District	Bargarh	Block	Bheden	Gram Panchayat	Areigudi

Work Code	OD/347/3315/116435/380568/00022029 (Provision Of Facility Centre At Areigudi Gp Office)						
Project Category	Building						

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Bheden	Proposal Date	-
Date of Commencement	06-02-2026	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	Niranjan Nayak		

Administrative Approval Details

Approval No.	OD/347/3315/116435/380568/00022029/AS
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Technical Sanction Details

Technical Sanction No.	OD/347/3315/116435/380568/00022029/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	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.	-	30.352	Cum

i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	30.352	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	12140.8	1000 Nos
iii)	BRM340 : Cement	0.672	20.396544	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.28	8.49856	1 Cum
2	R.C.C. Work (AR0404Ab) :.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 Plinth band)	-	3.12225	Cum
i)	BRM340 : Cement	3.4733	10.844510925	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.4050125	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	1.12401	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	1.686015	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.0416820375	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.63	1.9670175	1Mtr.
3	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)	-	5.852625	Cum
i)	BRM340 : Cement	3.4733	20.3279224125	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.63368125	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	2.106945	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	3.1604175	1 Cum.

v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	5.30352	31.03951374	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0498348	0.29166439635	1Cum.
4	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)	-	1.5255	Cum
i)	BRM340 : Cement	3.4733	5.29851915	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.686475	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	0.54918	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	0.82377	1 Cum.
v)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	4.5234	6.9004467	1Mtr.
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0889602	0.1357087851	1Cum.

5	R.C.C. Work (AR0404Af) :.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 Sun sheds & Chajja)	-	0.2109375	Sqm
i)	BRM340 : Cement	0.21708125	0.045790576171875	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.028125	0.0059326171875	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)	0.0225	0.00474609375	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)	0.03375	0.007119140625	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	7.392	1.55925	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.059664	0.012585375	1Cum.

6	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)	-	12.4425	Cum
i)	BRM340 : Cement	3.4733	43.21653525	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	5.599125	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	4.4793	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	6.71895	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	7.46592	92.8947096	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.06026064	0.7497930132	1Cum.

7	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.	-	27.29	Qntl
i)	BRM162 : Binding Wire.	0.8	21.832	1 Kg.
ii)	BRM341 : Steel	1.05	28.6545	1 Qntl.
8	Plastering (AR1004) :.First Floor - 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.	-	148.1175	Sqm
i)	BRM340 : Cement	0.0358	5.3026065	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	2.2217625	1 Cum
9	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.	-	135.6375	Sqm
i)	BRM340 : Cement	0.043	5.8324125	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	2.441475	1 Cum

10	Other Building Items. (AR1901Ba) :.First floor - Supplying, fitting & fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) 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 work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.	-	73.1575	Sqm
i)	BRM132 : 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 Coloured / Printed series(Homogeneous)	1	73.1575	1 Sqm.
ii)	BRM174 : White Cement.	0.0076	0.555997	1Qntl
iii)	BRM340 : Cement	0.1074	7.8571155	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.021	1.5363075	1 Cum
11	Flooring (AR0817ab) :.First floor - 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.	-	5.64	Sqm

i)	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)	1	5.64	1 Sqm.
ii)	BRMMR0027 : Wax Polish	1	5.64	1 Sqm
iii)	CON026 : cement (Other way)	0.1375	0.7755	1000 kg
iv)	BRM340 : Cement	0.1375	0.7755	1 Qntl.
v)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.0846	1 Cum
12	Painting(AR0901a) .:First Floor - Priming one coat in inner surface with primer of approved quality over woodwork including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	-	36.81	Sqm
i)	BRM138 : Wood Primer	0.075	2.76075	1 Litre
13	Painting(AR0903i) .:First Floor - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	36.81	Sqm
i)	BRM141 : Enamel paint	0.125	4.60125	1 Litre

14	Other Building Items. (AR1902) :.First Floor - 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.	-	205.1625	Sqm
i)	BRMMR0038 : Cement based putty	0.8	164.13	kg
15	Painting(AR0901c) :.First Floor - Priming one coat with inner surface primer of approved quality oil-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.	-	360.66	Sqm
i)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	30.29544	1 Ltr
16	Painting(AR0918f) :.First Floor - Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)	-	121.8225	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	15.2278125	1 Ltr

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRMMR0025	30.352	1 Cum	33	1001.616
2	BRM006	12140.8	1000 Nos	5.4818	66553.43744
3	BRM340	119.89745681367	1 Qntl.	637.012	76376.118759791
4	BRM028	25.112931367188	1 Cum	409.04	10272.193446434

5	BRM060	8.26418109375	1 Cum.	1880.96	15544.5940701
6	BRM052	12.396271640625	1 Cum.	1812.85	22472.581043707
7	BRM104	1.23143360715	1Cum.	58620.646	72187.433557243
8	BRM092	1.9670175	1Mtr.	276.666	544.206863655
9	BRM084	125.49347334	1Mtr	297.726	37362.669843625
10	BRM094	6.9004467	1Mtr.	287.666	1985.0239004022
11	BRM162	21.832	1 Kg.	90.1	1967.0632
12	BRM341	28.6545	1 Qntl.	6396.322	183283.408749
13	BRM132	78.7975	1 Sqm.	702.6566671	55367.588725812
14	BRM174	0.555997	1Qntl	2047.912	1138.632928264
15	BRMMR0027	5.64	1 Sqm	8.5	47.94
16	CON026	0.7755	1000 kg	0	0
17	BRM138	2.76075	1 Litre	155.38732	428.98554369
18	BRM141	4.60125	1 Litre	205.64732	946.23473115
19	BRMMR0038	164.13	kg	30	4923.9
20	BRM252	30.29544	1 Ltr	125.80732	3811.3881146208
21	BRM255	15.2278125	1 Ltr	195.09732	2970.9054082125
					Total: 559185.92232571