

ESTIMATION DPR							
State	Odisha	District	Balasore	Block	Bhograi	Gram Panchayat	Kumbharmuli

Work Code	OD/346/3302/275559/391679/00022394 (PROVISION OF FACILITY CENTRE AT KUMBHARMULI GP HQRS)						
Project Category	Building						

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Bhograi	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	NAGESWAR SINGH		

Administrative Approval Details

Approval No.	OD/346/3302/275559/391679/00022394/AS
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Technical Sanction Details

Technical Sanction No.	OD/346/3302/275559/391679/00022394/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
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1	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)	-	7.92300807568	Cum
i)	BRM340 : Cement	3.4733	27.518983949259	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.565353634056	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	2.8522829072448	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	4.2784243608672	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	5.30352	42.01983178953	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0498348	0.3948415228499	1Cum.

2	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)	-	1.34195297376	Cum
i)	BRM340 : Cement	3.4733	4.6610052637606	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.603878838192	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	0.4831030705536	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	0.7246546058304	1 Cum.
v)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	4.5234	6.070190081506	1Mtr.
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0889602	0.11938040493628	1Cum.

3	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)	-	13.30252755168	Cum
i)	BRM340 : Cement	3.4733	46.20366894525	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	5.986137398256	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	4.7889099186048	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	7.1833648779072	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	7.46592	99.315606498639	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.06026064	0.80161882388187	1Cum.

4	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.	-	18.1	Qntl
i)	BRM162 : Binding Wire.	0.8	14.48	1 Kg.
ii)	BRM341 : Steel	1.05	19.005	1 Qntl.
5	Masonry Brick Work (AR0603bi) :.First floor - 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/cm ² 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.	-	19.0696233168	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	19.0696233168	1 Cum
ii)	BRM340 : Cement	0.672	12.81478686889	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	5.339494528704	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./Cm ² with dimensional tolerance ± 2 %	350	6674.36816088	1000 Nos

6	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.	-	169.29063369	Sqm
i)	BRM340 : Cement	0.043	7.27949724867	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	3.04723140642	1 Cum
7	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.	-	171.788330845	Sqm
i)	BRM340 : Cement	0.0358	6.150022244251	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	2.576824962675	1 Cum
8	Plastering (AR1027) .:First Floor - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.	-	103.95659894	Sqm
i)	BRM340 : Cement	0.0372	3.867185480568	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.77967449205	1 Cum

9	miscellaneous(ARM10 5) :.Labour for fitting and fixing of M.S. window grills including cost of screws complete. (Iron works) and as directed by Engineer-in-Charge. - Labour for fitting and fixing of M.S. window grills including cost of screws complete. (Iron works) and as directed by Engineer-in-Charge.	-	5.945792	Sqm
i)	BRMM105 : Labour for fitting and fixing of M.S. window grills including cost of screws complete. (Iron works)	1	5.945792	Sqm
10	Other Building Items. (AR1907) :.aluminum sliding window (sliding type) - Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778,as windows frame, section No. 4095,4096 and 9777, 3994 as shutter frame with 5mm thick black glass as panel fitted with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-incharge.	-	5.945792	Sqm
i)	BRMMR0005 : Handel with lock	1.3422818791946	7.9809288590604	Each
ii)	BRM271 : Black glass (I.S.I.) 5mm	1.1006711409396	6.5443616644295	Sqm
iii)	BRMMR0008 : Hire charges of drills machine	0.67114093959732	3.9904644295302	Day
iv)	BRMMR0013 : Al. wheel runner	5.3691275167785	31.923715436242	Each
v)	BRMMR0012 : Window pile	5.0335570469799	29.928483221477	Mtr
vi)	BRMMR0011 : U rubber beading	6.5436241610738	38.907028187919	Mtr
vii)	BRMMR0010 : Al. Screws of different sizes	0.67114093959732	3.9904644295302	L.S.

viii)	BRMMR0009 : PVC Plug	5.3691275167785	31.923715436242	Each
ix)	BRM304 : Aluminium extruded section	5.1330201342282	30.519870049933	kg
11	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.	-	255.398	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	21.453432	1 Ltr
12	Painting(AR0901di) :.First Floor - Priming one coat with outer 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.	-	189.799	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	17.143135483871	1 Ltr
13	Painting(AR0919a) :.First Floor - Finishing wall surface with One Coat with plastic emulsion paint of approved shades above one coat oil bound Primer on old work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)	-	255.398	Sqm
i)	BRM140 : Plastic Emulsion paint	0.075	19.15485	1 Litre
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	21.453432	1 Ltr

14	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.	-	189.799	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.075	14.234925	1 Ltr
15	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)	-	86.01517158	Sqm
i)	BRM174 : White Cement.	0.0076	0.653715304008	1Qntl
ii)	BRM340 : Cement	0.1074	9.238029427692	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.021	1.80631860318	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	86.01517158	1 Sqm.

16	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.	-	12.28270563	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	12.28270563	1 Sqm.
ii)	BRMMR0027 : Wax Polish	1	12.28270563	1 Sqm
iii)	BRM340 : Cement	0.1375	1.688872024125	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.18424058445	1 Cum

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	119.42205145247	1 Qntl.	570.467	68126.339425934
2	BRM028	23.889154447983	1 Cum	886.71	21182.752140571
3	BRM060	8.1242958964032	1 Cum.	3090.18	25105.536693147
4	BRM052	12.186443844605	1 Cum.	3053.8	37214.962212654
5	BRM084	141.33543828817	1Mtr	250.166	35357.321254798
6	BRM104	1.3158407516681	1Cum.	58573.086	77072.853509757
7	BRM094	6.070190081506	1Mtr.	240.106	1457.4890597101
8	BRM162	14.48	1 Kg.	90	1303.2
9	BRM341	19.005	1 Qntl.	6379.007	121233.028035
10	BRMMR0025	19.0696233168	1 Cum	33	629.2975694544
11	BRM005	6674.36816088	1000 Nos	7.2141	48149.559349404
12	BRMM105	5.945792	Sqm	16.22	96.44074624
13	BRMMR0005	7.9809288590604	Each	40	319.23715436242
14	BRM271	6.5443616644295	Sqm	705.01	4613.8404170395
15	BRMMR0008	3.9904644295302	Day	100	399.04644295302

16	BRMMR0013	31.923715436242	Each	25	798.09288590604
17	BRMMR0012	29.928483221477	Mtr	10	299.28483221477
18	BRMMR0011	38.907028187919	Mtr	15	583.60542281879
19	BRMMR0010	3.9904644295302	L.S.	30	119.71393288591
20	BRMMR0009	31.923715436242	Each	1.5	47.885573154362
21	BRM304	30.519870049933	kg	297.97	9094.0056787785
22	BRM253	38.596567483871	1 Ltr	159.27787	6147.5790581422
23	BRM140	19.15485	1 Litre	249.58787	4780.8182116695
24	BRM252	21.453432	1 Ltr	125.74787	2697.7233781898
25	BRM255	14.234925	1 Ltr	195.03787	2776.3494516097
26	BRM174	0.653715304008	1Qntl	2041.967	1334.8650781793
27	BRM131	98.29787721	1 Sqm.	662.3175001	65104.404298864
28	BRMMR0027	12.28270563	1 Sqm	8.5	104.402997855
Total:					536149.63481129