

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Balasore	<b>Block</b>	Bhograi	<b>Gram Panchayat</b>	Kumbharmuli

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

<b>Financial Year</b>	2023-24	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Bhograi	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	06-02-2026	<b>Date of Completion</b>	-
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	Provision of Facilities at GP Head Quarter
<b>Project Sub-Category</b>	GP Facility Centre	<b>Project Type</b>	New Work
<b>Name of Executant</b>	NAGESWAR SINGH		

### Administrative Approval Details

<b>Approval No.</b>	OD/346/3302/275559/391679/00022394/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/346/3302/275559/391679/00022394/TS
<b>Fund Sanction No.</b>	
<b>Fund Sanction Amount (in Rs.)</b>	1000000

### ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	<b>R.C.C. Work (AR0404Ac) :.First Floor</b> - 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)	-	<b>7.92300807568</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	27.518983949259	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	3.565353634056	1 Cum
iii)	<b>BRM060</b> : 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)	<b>BRM052</b> : 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)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.0544068	0.43106551577191	1Mtr
vi)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0498348	0.3948415228499	1Cum.

2	<b>R.C.C. Work (AR0404Ad) :First Floor</b> - 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)	-	<b>1.34195297376</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	4.6610052637606	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	0.603878838192	1 Cum
iii)	<b>BRM060</b> : 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)	<b>BRM052</b> : 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)	<b>BRM094</b> : Non-sal bullahs 125mm. mean dia of any length.	0.0594504	0.079779641071221	1Mtr.
vi)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0889602	0.11938040493628	1Cum.

3	<b>R.C.C. Work (AR0404Ag) :.First Floor</b> - 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)	-	<b>13.30252755168</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	46.20366894525	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	5.986137398256	1 Cum
iii)	<b>BRM060</b> : 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)	<b>BRM052</b> : 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)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.0919908	1.2237101515011	1Mtr
vi)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.06026064	0.80161882388187	1Cum.

4	<b>R.C.C. Work (AR0409) :.First floor -</b> 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)	<b>BRM341 : Steel</b>	1.05	19.005	1 Qntl.
5	<b>Masonry Brick Work (AR0603bi) :.First floor -</b> 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 <sup>2</sup> 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)	<b>BRM340 : Cement</b>	0.672	12.81478686889	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.28	5.339494528704	1 Cum
iii)	<b>BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm<sup>2</sup> with dimensional tolerance ± 2 %</b>	350	6674.36816088	1000 Nos

6	<b>Plastering (AR1014)</b> .: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.	-	<b>169.29063369</b>	Sqm
i)	<b>BRM340</b> : Cement	0.043	7.27949724867	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	3.04723140642	1 Cum
7	<b>Plastering (AR1004)</b> .: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.	-	<b>171.788330845</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0358	6.150022244251	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	2.576824962675	1 Cum
8	<b>Plastering (AR1027)</b> .: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.	-	<b>103.95659894</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0372	3.867185480568	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0075	0.77967449205	1 Cum

9	<p><b>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. -</b> Labour for fitting and fixing of M.S. window grills including cost of screws complete. (Iron works) and as directed by Engineer-in-Charge.</p>	-	5.945792	Sqm
10	<p><b>Other Building Items. (AR1907) :.aluminum sliding window (sliding type) -</b> 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&amp;P etc. complete as per direction of Engineer-incharge.</p>	-	5.945792	Sqm
11	<p><b>Painting(AR0901d) :.First Floor -</b> 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&amp;P required for the work complete as per direction of the Engineer-in-charge.</p>	-	255.398	Sqm
i)	<p><b>BRM253 : Wall cement primer (I.S.I.) Water bound</b></p>	0.084	21.453432	1 Ltr

12	<b>Painting(AR0901di)</b> :.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.	-	<b>189.799</b>	Sqm
i)	<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.090322580645161	17.143135483871	1 Ltr
13	<b>Painting(AR0919a)</b> :.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)	-	<b>255.398</b>	Sqm
i)	<b>BRM140</b> : Plastic Emulsion paint	0.075	19.15485	1 Litre
ii)	<b>BRM252</b> : Wall cement primer (I.S.I.) Oil bound	0.084	21.453432	1 Ltr
14	<b>Painting(AR0918Ai)</b> :.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.	-	<b>189.799</b>	Sqm
i)	<b>BRM255</b> : Weather Coat (I.S.I.)	0.075	14.234925	1 Ltr

15	<p><b>Other Building Items. (AR1901B) :.First floor</b>  - Supplying, fitting &amp; 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&amp;P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)</p>	-	<b>86.01517158</b>	Sqm
i)	<b>BRM174</b> : White Cement.	0.0076	0.653715304008	1Qntl
ii)	<b>BRM340</b> : Cement	0.1074	9.238029427692	1 Qntl.
iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.021	1.80631860318	1 Cum
iv)	<b>BRM131</b> : 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	86.01517158	1 Sqm.
16	<p><b>Flooring (AR0817aa) :.First floor</b> - 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.</p>	-	<b>12.28270563</b>	Sqm

i)	<b>BRM131</b> : 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	12.28270563	1 Sqm.
ii)	<b>BRM340</b> : Cement	0.1375	1.688872024125	1 Qntl.
iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.18424058445	1 Cum

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM028</b>	23.889154447983	1 Cum	265.25	6336.5982173275
2	<b>BRM060</b>	8.1242958964032	1 Cum.	522.5	4244.9446058707
3	<b>BRM052</b>	12.186443844605	1 Cum.	522.5	6367.416908806
<b>Total:</b>					<b>16948.959732004</b>