

ESTIMATION DPR							
State	Odisha	District	Khordha	Block	Banapur	Gram Panchayat	Nachuni

Work Code	OD/362/3458/119572/408191/00021153 (Provision Of Facility Centre At Nachuni GP Hqrs)
Project Category	Building

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Banapur	Proposal Date	-
Date of Commencement	04-12-2025	Date of Completion	12-01-2026
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	pramoda kumar nanda		

Administrative Approval Details

Approval No.	OD/362/3458/119572/408191/00021153/AS
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Technical Sanction Details

Technical Sanction No.	OD/362/3458/119572/408191/00021153/TS
Fund Sanction No.	15219
Fund Sanction Amount (in Rs.)	1000000

ROYALTY 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	-	37.8524824	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.	-	28.9866055872	Cum
i)	BRM029 : Sand for filling and road blinding	1	28.9866055872	1 Cum
3	Concrete (AR0304a) :.Cement concrete (1:4:8) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:4:8) with 4 cm. hard granite(Hand 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.	-	10.21444459104	Cum
i)	BRM340 : Cement	1.72	17.568844696589	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	4.9029334036992	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	9.8058668073984	1 Cum.
4	Masonry Stone Work (AR0717) :.Laterite stone masonry - Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.	-	20.43152972368	Cum
i)	BRM340 : Cement	0.572	11.686835001945	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.24	4.9035671336832	1 Cum
iii)	BRM079 : Laterite Stone rough dressed	1	20.43152972368	1 Cum.
5	R.C.C. Work (AR0404Aa) :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 foundation, footing bases of column, mass concrete, pre-cast slabs etc.)	-	9.45828409056	Cum
i)	BRM340 : Cement	3.4733	32.851458131742	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	4.256227840752	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	3.4049822726016	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	5.1074734089024	1 Cum.

v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.037880427782693	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000921	0.0087110796474058	1Mtr.
6	R.C.C. Work (AR0404Ac) :.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 Beams, Column, Girder & Bressmer etc)	-	3.86484393312	Cum
i)	BRM340 : Cement	3.4733	13.423762432906	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.739179769904	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	1.3913438159232	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	2.0870157238848	1 Cum.

v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.045339	0.17522815908373	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	0.16050310369854	1Cum.
7	R.C.C. Work (AR0404Ad) :.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 Lintels)	-	1.45139457408	Cum
i)	BRM340 : Cement	3.4733	5.0411287741521	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.653127558336	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	0.5225020466688	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	0.7837530700032	1 Cum.
v)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.049542	0.071904989989071	1Mtr.

vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0741335	0.10759695965756	1Cum.
8	R.C.C. Work (AR0404Ag) :.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 Roof slab, landing, balcony, sun shade)	-	9.1494978816	Cum
i)	BRM340 : Cement	3.4733	31.778950992161	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	4.11727404672	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	3.293819237376	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	4.940728856064	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.076659	0.70139135810557	1Mtr

vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.45946216501988	1Cum.
9	Masonry Brick Work (AR0610aa) :.Cement concrete solid Block machine mixed and Hydraulic compressed having crushing strength not less than 75kg/cm2 (400mm x 200mm x 200mm size) in cement mortar (1:4) in superstructure - Cement concrete solid Block machine mixed and Hydraulic compressed having crushing strength not less than 75kg/cm2 (400mm x 200mm x 200mm size) in cement mortar (1:4) in superstructure immersing the concrete solid Block 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.	-	21.771456517133	Cum
i)	BRM008 : Cement concrete solid Block machine mixed and Hydraulic compressed having crushing strength not less than 75kg/cm2 (400mm x 200mm x 200mm size)	53	1153.887195408	Each
ii)	BRM340 : Cement	1	21.771456517133	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	6.0960078247972	1 Cum

10	Concrete (AR0317) :.2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips - 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)	-	71.070795	Sqm
i)	BRM340 : Cement	0.1208	8.585352036	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0169	1.2010964355	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	1.2010964355	1 Cum.
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.	-	20	Qntl
i)	BRM341 : Steel	1.05	21	1 Qntl.

12	Plastering (AR1004i) ::12mm thick cement plaster (1:6) over Brick work in outside. - 12mm thick cement plaster (1:6) over Brick work in outside 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.	-	93.07765764	Sqm
i)	BRM340 : Cement	0.0358	3.332180143512	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.3961648646	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.	-	149.13346978	Sqm
i)	BRM340 : Cement	0.043	6.41273920054	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	2.68440245604	1 Cum

14	Plastering (AR1008i) :.20mm thick cement Plaster in CM (1:6) over stone work in outside (Outside) - 20mm thick cement Plaster in CM (1:6) over stone work in outside 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.	-	19.695436	Sqm
i)	BRM340 : Cement	0.057	1.122639852	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.021	0.413604156	1 Cum
15	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)	-	149.13	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	18.64125	1 Litre
16	Painting(AR0901a) :.Priming one coat in inner surface with primer of approved quality over woodwork - 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.	-	220.2	Sqm
i)	BRM138 : Wood Primer	0.075	16.515	1 Litre

17	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)	-	122.99	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	15.37375	1 Ltr
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	11.108774193548	1 Ltr
18	Flooring (AR0817bak) :.g Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Plain (Ivory) in wall cladding/ glazed tiles on 12mm thick cement plaster (1:3)(For repair and maintenance) . - Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Plain (Ivory) in wall cladding/ glazed tiles 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(For repair and maintenance).	-	46.19973287	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	46.19973287	1 Sqm.
ii)	BRM340 : Cement	0.1375	6.352463269625	1 Qntl.

iii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.69299599305	1 Cum
19	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.	-	1.27	Qntl
i)	BRM341 : Steel	1	1.27	1 Qntl.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	28.9866055872	1 Cum	78.25	2268.2018871984
2	BRM028	33.056581483082	1 Cum	78.25	2586.6775010511
3	BRM045	9.8058668073984	1 Cum.	329.5	3231.0331130378
4	BRM079	20.43152972368	1 Cum.	329.5	6732.1890439526
5	BRM060	8.6126473725696	1 Cum.	279.5	2407.2349406332
6	BRM052	12.918971058854	1 Cum.	279.5	3610.8524109498
7	BRM064	1.2010964355	1 Cum.	170.25	204.48666814387
Total: 21040.675564967					