

ESTIMATION DPR							
State	Odisha	District	Cuttack	Block	Nischinta Koili	Gram Panchayat	Nimalo

Work Code	OD/350/3342/117104/399840/00071889 (Provision of Facility centre at Nemalo GP office campus)
Project Category	Building

Financial Year	2022-23	Execution Level	PS
Executing Agency	Panchayat Samiti, Nischinta Koili	Proposal Date	22-11-2022
Date of Commencement	19-01-2026	Date of Completion	03-02-2026
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	Laxmipriya Mahali		

Administrative Approval Details

Approval No.	OD/350/3342/117104/399840/00071889/AS
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Technical Sanction Details

Technical Sanction No.	OD/350/3342/117104/399840/00071889/TS
Fund Sanction No.	22566
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	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	-	20.7615238	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.	-	88.2005031952	Cum
i)	BRM029 : Sand for filling and road blinding	1	88.2005031952	1 Cum
3	Concrete (AR0303) :.Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal - Cement concrete (1:3:6) with 4 cm. hard granite(Crusher 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.	-	15.09126158	Cum
i)	BRM340 : Cement	2.29	34.5589890182	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	7.2438055584	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	14.4876111168	1 Cum.

4	Masonry Brick Work (AR0603b) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth 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.	-	10.180810207485	Cum
i)	BRM340 : Cement	0.672	6.8415044594299	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	2.8506268580958	1 Cum
iii)	BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance ± 2 %	350	3563.2835726198	1000 Nos
5	Masonry Brick Work (AR0603bi) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - 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/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.	-	28.29991602305	Cum

i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	28.29991602305	1 Cum
ii)	BRM340 : Cement	0.672	19.01754356749	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	7.923976486454	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./Cm2 with dimensional tolerance $\pm$ 2 %	350	9904.9706080675	1000 Nos
6	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)	-	0.5608390012	Cum
i)	BRM340 : Cement	3.4733	1.947962102868	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.25237755054	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	0.201902040432	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	0.302853060648	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.00748720066602	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.63	0.353328570756	1Mtr.
7	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)	-	1.15093916768	Cum
i)	BRM340 : Cement	3.4733	3.9975570111029	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.517922625456	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	0.4143381003648	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	0.6215071505472	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	4.4196	5.0866907454785	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	0.047797352694583	1Cum.
8	R.C.C. Work (AR0404Af) :.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 Sun sheds & Chajja)	-	8.673888595	Sqm
i)	BRM340 : Cement	0.21708125	1.8829385785633	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.028125	0.24395311673437	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	0.1951624933875	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	0.29274374008125	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.68432	5.9357154433304	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00552344	0.047909703221167	1Cum.
9	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)	-	2.3590878141216	Cum
i)	BRM340 : Cement	3.4733	8.1938197047886	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.0615895163547	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	0.84927161308378	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	1.2739074196257	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	6.2216	14.677300744339	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.11846678457931	1Cum.
10	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.	-	4.7393176	Qntl
i)	BRM162 : Binding Wire.	0.8	3.79145408	1 Kg.
ii)	BRM341 : Steel	1.05	4.97628348	1 Qntl.

11	Flooring (AR0816g) :.Fixing Granite Tiles Above 0.10 Sqm Above 0.40 sqm. (20mm thick) in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 - Fixing Granite Tiles Above 0.10 Sqm Above 0.40 sqm. (20mm thick) in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the Granite tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in- charge.	-	119.4939846593	Sqm
i)	BRM125 : Granite Tiles Above 0.10 Sqm &Above 0.40 sqm. (20mm thick)	1	119.4939846593	1 Sqm.
ii)	BRMMR0027 : Wax Polish	1	119.4939846593	1 Sqm
iii)	BRM340 : Cement	0.2737	32.70550360125	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.013	1.5534218005709	1 Cum
12	Plastering (AR1004) :.12mm thick cement plster (1:6) over Brick work in inside - 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.	-	113.3381203957	Sqm
i)	BRM340 : Cement	0.0358	4.0575047101661	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.7000718059355	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.	-	152.6026628963	Sqm
i)	BRM340 : Cement	0.043	6.5619145045409	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	2.7468479321334	1 Cum
14	Other Building Items. (AR1903) :.False ceiling - Providing fitting and fixing of false ceiling with Aluminium anodised T Section No.3215 with 2'-0" center to center, L section No.1705 upto 15 micron on 4 walls to be fixed by means of steel screw and P.V.C.plug and the Aluminium grid 2'-0"x2'-0"with 12mm thick Prelaminated Novapan board suspended from ceiling etc. complete and as per direction of engineer in charge.	-	101.77895262	Sqm
i)	BRMMR0008 : Hire charges of drills machine	0.076804915514593	7.8171238571429	Day
ii)	BRM204 : M.S. Screw (I.S.I.) 50x8mm	2.5601638504864	260.5707952381	100 pcs
iii)	BRMMR0033 : 65mm PVC plug	2.5601638504864	260.5707952381	no
iv)	BRM281 : Prelaminated particle board (standard type) (I.S.I.) 12mm	1.0542754736303	107.30305347905	Sqm
v)	BRMMR0032 : GI wire	0.10240655401946	10.422831809524	1 Kg
vi)	BRMMR0031 : 9inch connecting hooks with nuts and washer	2.1505376344086	218.879468	no

vii)	BRMMR0002 : PVC Rawl plug	2.1505376344086	218.879468	Each
viii)	BRM304 : Aluminium extruded section	1.1994623655914	122.080023277	kg

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	88.2005031952	1 Cum	413.05	36431.217844777
2	BRM340	119.7652372584	1 Qntl.	569.712	68231.692848957
3	BRM028	26.094593250675	1 Cum	417.99	10907.27903285
4	BRM044	14.4876111168	1 Cum.	2038.31	29530.242615485
5	BRM005	13468.254180687	1000 Nos	6.33315	85296.473964419
6	BRMMR0025	28.29991602305	1 Cum	33	933.89722876065
7	BRM060	1.6606742472681	1 Cum.	2476.91	4113.3406498008
8	BRM052	2.4910113709021	1 Cum.	2418.21	6023.7886072292
9	BRM104	0.22166104116108	1Cum.	58573.086	12983.371226777
10	BRM092	0.353328570756	1Mtr.	229.106	80.949695531624
11	BRM084	25.699706933148	1Mtr	250.166	6429.1928846379
12	BRM162	3.79145408	1 Kg.	90.1	341.610012608
13	BRM341	4.97628348	1 Qntl.	6312.052	31410.560092501
14	BRM125	119.4939846593	1 Sqm.	2103.2375001	251324.22957181
15	BRMMR0027	119.4939846593	1 Sqm	8.5	1015.698869604
16	BRMMR0008	7.8171238571429	Day	100	781.71238571429
17	BRM204	260.5707952381	100 pcs	0.875	227.99944583333
18	BRMMR0033	260.5707952381	no	0.6	156.34247714286
19	BRM281	107.30305347905	Sqm	710.82	76273.156473977
20	BRMMR0032	10.422831809524	1 Kg	40	416.91327238095
21	BRMMR0031	218.879468	no	5.5	1203.837074
22	BRMMR0002	218.879468	Each	7	1532.156276
23	BRM304	122.080023277	kg	297.97	36376.184535848
Total: 662021.84708665					