

ESTIMATION DPR							
State	Odisha	District	Gajapati	Block	Rayagad	Gram Panchayat	Marlaba

Work Code	OD/353/3363/117559/414740/00054499 (Provision of Facility Centre at Marloba GP Hqrts)
Project Category	Building

Financial Year	2022-23	Execution Level	PS
Executing Agency	Panchayat Samiti, Rayagad	Proposal Date	-
Date of Commencement	19-11-2025	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	ARCHANA NAYAK		

Administrative Approval Details

Approval No.	OD/353/3363/117559/414740/00054499/AS
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Technical Sanction Details

Technical Sanction No.	OD/353/3363/117559/414740/00054499/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	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.	-	12.70215	Cum
i)	BRM029 : Sand for filling and road blinding	1	12.70215	1 Cum

2	<p>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.</p>	-	19.6149	Cum
i)	BRM340 : Cement	2.29	44.918121	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	9.415152	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	18.830304	1 Cum.
3	<p>Earth Work (AR0103a) :.Earth work in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume within 50m. Initial lead and 1.5m initial lift - Earth work in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layer not exceeding 0.3m in depth and as per specification approved by the department</p>	-	27.467775	Cum

4	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.	-	22.688	Qntl
i)	BRM162 : Binding Wire.	0.8	18.1504	1 Kg.
ii)	BRM341 : Steel	1.05	23.8224	1 Qntl.
5	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/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.	-	28.92551	Cum
i)	BRM340 : Cement	0.672	19.43794272	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	8.0991428	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./Cm ² with dimensional tolerance ± 2 %	350	10123.9285	1000 Nos

6	Plastering (AR1017) :.20mm thick cement Plaster in CM (1:4) over masonry work in inside. - 20mm thick cement Plaster in CM (1:4) over stone 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.	-	70.2	Sqm
i)	BRM340 : Cement	0.0744	5.22288	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.021	1.4742	1 Cum
7	Plastering (AR1008) :.20mm thick cement Plaster in CM (1:6) over brick work in inside. - 20mm thick cement Plaster in CM (1:6) for stone 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.	-	19.56	Sqm
i)	BRM340 : Cement	0.057	1.11492	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.021	0.41076	1 Cum
8	Flooring (AR0802i) :.2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.	-	60.72	Sqm
i)	BRM340 : Cement	0.0858	5.209776	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.012	0.72864	1 Cum
iii)	BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.023	1.39656	1 Cum.
9	Plastering (AR1004) :.12mm thick cement plaster (1:6) over Brick work in inside - 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.	-	100.5	Sqm
i)	BRM340 : Cement	0.0358	3.5979	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.5075	1 Cum
10	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.	-	111.3	Sqm
i)	BRM340 : Cement	0.043	4.7859	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	2.0034	1 Cum

11	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.	-	170.516	Sqm
i)	BRM138 : Wood Primer	0.075	12.7887	1 Litre
12	Painting(AR0903) :. First Floor - Painting two coats of enamel paint in inner surface paint including all costs of labour, Paint, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)	-	12.63	Sqm
i)	BRM141 : Enamel paint	0.125	1.57875	1 Litre
13	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)	-	119.82	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	14.9775	1 Ltr
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	10.822451612903	1 Ltr

14	Painting(AR0920) :.First Floor - 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)	-	147.1856	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	18.3982	1 Litre
15	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.)	-	3.46779	Cum
i)	BRM340 : Cement	3.4733	12.044675007	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.5605055	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	1.2484044	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	1.8726066	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.01388849895	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.189	0.65541231	1Mtr.
16	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)	-	3.70185	Cum
i)	BRM340 : Cement	3.4733	12.857635605	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.6658325	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	1.332666	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	1.998999	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.0494196975	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.63	2.3321655	1Mtr.
17	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)	-	4.08388	Cum
i)	BRM340 : Cement	3.4733	14.184540404	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.837746	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	1.4701968	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	2.2052952	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	4.4196	18.049116048	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	0.16959945252	1Cum.
18	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)	-	1.73282	Cum
i)	BRM340 : Cement	3.4733	6.018603706	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.779769	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	0.6238152	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	0.9357228	1 Cum.
v)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	3.7695	6.53186499	1Mtr.
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0741335	0.12846001147	1Cum.
19	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)	-	8.4669	Cum
i)	BRM340 : Cement	3.4733	29.40808377	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.810105	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	3.048084	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	4.572126	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	6.2216	52.67766504	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.42518401068	1Cum.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	12.70215	1 Cum	738.55	9381.1728825
2	BRM340	158.800978212	1 Qntl.	801.567	127289.62370246
3	BRM028	33.2927528	1 Cum	743.49	24752.828779272
4	BRM044	18.830304	1 Cum.	1466.56	27615.77063424
5	BRM162	18.1504	1 Kg.	90.1	1635.35104
6	BRM341	23.8224	1 Qntl.	6430.397	153187.4894928
7	BRM005	10123.9285	1000 Nos	6.89015	69755.385954275
8	BRM056	1.39656	1 Cum.	2063.23	2881.4244888
9	BRM138	12.7887	1 Litre	155.56567	1989.482683929
10	BRM141	1.57875	1 Litre	205.82567	324.9472765125
11	BRM255	14.9775	1 Ltr	195.27567	2924.741347425
12	BRM253	10.822451612903	1 Ltr	159.51567	1726.3506200748
13	BRM140	18.3982	1 Litre	249.82567	4596.342641794
14	BRM060	7.7231664	1 Cum.	1955.08	15099.408165312
15	BRM052	11.5847496	1 Cum.	1918.7	22227.65905752
16	BRM104	0.78655167112	1Cum.	58763.326	46220.392265869
17	BRM092	2.98757781	1Mtr.	419.346	1252.8288043123
18	BRM084	70.726781088	1Mtr	440.406	31148.498751842
19	BRM094	6.53186499	1Mtr.	430.346	2810.9619709865
Total: 546820.66055992					