

ESTIMATION DPR							
State	Odisha	District	Kandhamal	Block	G.Udayagiri	Gram Panchayat	Gresingia

Work Code	OD/359/3425/118914/415797/00064998 (Development of Rural Haat at Gressingia)
Project Category	Other Infrastructure

Financial Year	2021-22	Execution Level	PS
Executing Agency	Panchayat Samiti, G.Udayagiri	Proposal Date	-
Date of Commencement	02-02-2026	Date of Completion	11-02-2026
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Development of Rural Haat
Project Sub-Category	Rural Haat	Project Type	New Work
Name of Executant	PRAMOD KUMAR NAYAK		

Administrative Approval Details

Approval No.	OD/359/3425/118914/415797/00064998/AS
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Technical Sanction Details

Technical Sanction No.	OD/359/3425/118914/415797/00064998/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 (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	-	33.6403584	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.	-	48.74666328	Cum
i)	BRM029 : Sand for filling and road blinding	1	48.74666328	1 Cum
3	Concrete (AR0303a) :.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) 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.	-	8.790879768	Cum
i)	BRM340 : Cement	2.29	20.13111466872	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	4.21962228864	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	8.43924457728	1 Cum.

4	<p>Flooring (AR0820i) :.2.5 cm. Damp proof course with C.C. (1:2:4) using 12mm. Size hard broken(hand broken) granite Chips - 2.5 cm. Damp proof course with C.C. (1:2:4) using 12mm. Size hard broken(hand broken) granite Chips including curing for seven days 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>	-	9.197397	Sqm
i)	BRM340 : Cement	0.0754	0.6934837338	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.012	0.110368764	1 Cum
iii)	BRM057 : 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)(Hand broken)	0.023	0.211540131	1 Cum.
5	<p>Masonry Brick Work (AR0603ci) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with Flyash Bricks of size (23cm x 11cm 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.</p>	-	21.929096256	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	21.929096256	1 Cum

ii)	BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance \pm 2 %	400	8771.6385024	1000 Nos
iii)	BRM340 : Cement	0.672	14.736352684032	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.28	6.14014695168	1 Cum
6	R.C.C. Work (AR0404A) :.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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)	-	26.713927536	Cum
i)	BRM340 : Cement	3.4733	92.785484510789	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	12.0212673912	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	9.61701391296	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	14.42552086944	1 Cum.

7	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.	-	38.35	Qntl
i)	BRM162 : Binding Wire.	0.8	30.68	1 Kg.
ii)	BRM341 : Steel	1.05	40.2675	1 Qntl.
8	R.C.C. Work (AR0410c) :.R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc	-	13.93545	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.0372076515	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	1.7558667	1Mtr.

9	R.C.C. Work (AR0410e) :.Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. Lintels Data for 7.8 sqm	-	3.96324198	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.26923076923077	1.0670266869231	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.020984858176154	1Cum.
10	R.C.C. Work (AR0410d) :.Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. beams, column, grider and bressmer, etc. Data for 4.2sqm	-	54.1917598965	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	29.934495942829	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.28128103946279	1Cum.

11	R.C.C. Work (AR0410a) :-Centring & Shuttering for R.C.C. floor and roof slabs, landings,balconies, projecting sun shades and chajjas - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height	-	59.8686813242	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.622222222222222	37.251623935058	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.005022222222222	0.30067382176154	1Cum.
12	Concrete (AR0318) :-4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) - 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) including hoisting and laying in position compacting and curing for the proper period with cost conveyance, royalty, taxes of all materials, labor and T&P required for the work etc. complete as per specifaion and direction of Engineer-in charge. (Old Work)	-	67.62188725375	Sqm
i)	BRM340 : Cement	0.1287	8.7029368895576	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.2171939705675	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.	0.018	1.2171939705675	1 Cum.

iv)	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)	0.018	1.2171939705675	1 Cum.
13	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.	-	138.8782699317	Sqm
i)	BRM340 : Cement	0.0358	4.9718420635549	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	2.0831740489755	1 Cum
14	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.	-	71.863722105	Sqm
i)	BRM340 : Cement	0.043	3.090140050515	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.29354699789	1 Cum

15	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.	-	33.8777478516	Sqm
i)	BRM340 : Cement	0.057	1.9310316275412	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.021	0.7114327048836	1 Cum
16	Plastering (AR1027) :.6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) - 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.	-	2.6291549	Sqm
i)	BRM340 : Cement	0.0372	0.09780456228	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.01971866175	1 Cum

17	Painting(AR0922) :.Finishing wall two coats with distemper of approved shades on new work (Inside) - Finishing wall two coats with distemper 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)	-	11.33509503	Sqm
i)	BRM142 : Distemper	0.25	2.8337737575	1 Kg.
18	Painting(AR0918f) :.Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside) - Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)	-	15.59191049	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	1.94898881125	1 Ltr

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	48.74666328	1 Cum	476.21	23213.648520569
2	BRM340	147.14019079079	1 Qntl.	614.797	90461.347877605
3	BRM028	27.816471779587	1 Cum	1766.79	49145.864175456
4	BRM045	8.43924457728	1 Cum.	1193.57	10072.829150104
5	BRM057	0.211540131	1 Cum.	1426.3	301.7196888453
6	BRMMR0025	21.929096256	1 Cum	33	723.660176448
7	BRM006	8771.6385024	1000 Nos	6.25166	54837.301559914
8	BRM060	9.61701391296	1 Cum.	2832.58	27240.961269572
9	BRM052	14.42552086944	1 Cum.	2796.2	40336.641455128
10	BRM162	30.68	1 Kg.	90.1	2764.268
11	BRM341	40.2675	1 Qntl.	7115.577	286526.4968475
12	BRM104	0.64014737090048	1Cum.	58668.206	37556.297826348

13	BRM092	1.7558667	1Mtr.	324.226	569.2976366742
14	BRM094	1.0670266869231	1Mtr.	335.226	357.69508815048
15	BRM084	67.186119877886	1Mtr	345.286	23198.426588156
16	BRM064	1.2171939705675	1 Cum.	2264.11	2755.8610407016
17	BRM056	1.2171939705675	1 Cum.	2810.53	3420.9601700991
18	BRM142	2.8337737575	1 Kg.	70.46677	199.68688360179
19	BRM255	1.94898881125	1 Ltr	195.15677	380.35836116969
					Total: 654063.32231604