

ESTIMATION DPR							
State	Odisha	District	Balasure	Block	Nilgiri	Gram Panchayat	Matiali

Work Code	OD/346/3305/116246/393255/00117426 (GP FACILITY CENTER OF MATIALI)
Project Category	Building

Financial Year	2020-21	Execution Level	PS
Executing Agency	Panchayat Samiti, Nilgiri	Proposal Date	-
Date of Commencement	01-04-2026	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	SANJEEB KUMAR PANDA		

Administrative Approval Details

Approval No.	OD/346/3305/116246/393255/00117426/AS
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Technical Sanction Details

Technical Sanction No.	OD/346/3305/116246/393255/00117426/TS
Fund Sanction No.	9119
Fund Sanction Amount (in Rs.)	1000000

MATERIAL STATEMENT

SI.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	-	23.27216208	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.	-	25.8116268624	Cum
i)	BRM029 : Sand for filling and road blinding	1	25.8116268624	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.	-	8.7326321104	Cum
i)	BRM340 : Cement	2.29	19.997727532816	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	4.191663412992	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	8.383326825984	1 Cum.

4	<p>Masonry Brick Work (AR0603b) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</p> <p>- 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.</p>	-	1.7535957112	Cum
i)	BRM340 : Cement	0.672	1.1784163179264	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	0.491006799136	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	613.75849892	1000 Nos

5	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)	-	24.304378702893	Cum
i)	BRM340 : Cement	3.4733	84.416398548758	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	10.936970416302	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	8.7495763330415	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	13.124364499562	1 Cum.

6	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	-	29.871566105	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.07975708150035	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	3.76381732923	1Mtr.
7	R.C.C. Work (AR0410f) :.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 in ground floor R.C.C. walls and fins including attached pilasters	-	50.4132183708	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.42175732217573	21.262143982329	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051171548117155	0.2579722429602	1Cum.

8	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.	-	30	Qntl
i)	BRM162 : Binding Wire.	0.8	24	1 Kg.
ii)	BRM341 : Steel	1.05	31.5	1 Qntl.
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	-	13.7938286668	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.26923076923077	3.7137231026	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.073036554351133	1Cum.

10	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	-	58.42019349	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.622222222222222	36.350342616	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.005022222222222	0.293399193972	1Cum.
11	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.	-	16.84432493536	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	16.84432493536	1 Cum
ii)	BRM340 : Cement	0.672	11.319386356562	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	4.7164109819008	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	5895.513727376	1000 Nos
12	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.	-	58.42019349	Sqm
i)	BRM340 : Cement	0.0744	4.346462395656	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.021	1.22682406329	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.	-	107.883144235	Sqm
i)	BRM340 : Cement	0.0358	3.862216563613	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.618247163525	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.	-	71.0243435	Sqm
i)	BRM340 : Cement	0.043	3.0540467705	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.278438183	1 Cum
15	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.	-	54.3970848168	Sqm
i)	BRM340 : Cement	0.0372	2.023571555185	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.407978136126	1 Cum

16	<p>Flooring (AR0816) :.Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor - Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) 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 ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.</p>	-	47.7211216883	Sqm
i)	BRMMR0027 : Wax Polish	1	47.7211216883	1 Sqm
ii)	BRM130 : Tiles up to 30cm x 30cm / 40cm x 40cm special plain / printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755	1	47.7211216883	1 Sqm.
iii)	BRM340 : Cement	0.2737	13.061271006088	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.013	0.6203745819479	1 Cum

17	<p>Flooring (AR0817a) :.Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) - Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) 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 ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge</p>	-	4.629821005	Sqm
i)	BRMMR0027 : Wax Polish	1	4.629821005	1 Sqm
ii)	BRM130 : Tiles up to 30cm x 30cm / 40cm x 40cm special plain / printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755	1	4.629821005	1 Sqm.
iii)	BRM340 : Cement	0.1375	0.6366003881875	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.069447315075	1 Cum
18	<p>Painting(AR0903b) :.Painting two coats of enamel paint with a coat of red oxide primer over iron surface - Painting two coats of enamel paint with a coat of red oxide primer over iron surface including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.</p>	-	27.685094	Sqm

i)	BRM137 : Red oxide Primer	0.054	1.494995076	1 Litre
ii)	BRM141 : Enamel paint	0.125	3.46063675	1 Litre
19	Painting(AR0902a) :.Painting one coat of enamel paint with a coat of wood primer on new wood work in inner surface (inside) - Painting one coat of enamel paint with a coat of wood primer on new wood work in inner surface including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(inside).	-	230.0232385918	Sqm
i)	BRM141 : Enamel paint	0.075	17.251742894385	1 Litre
ii)	BRM138 : Wood Primer	0.075	17.251742894385	1 Litre
20	Painting(AR0920a) :.Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat oil bound Primer on new work (Inside) - Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat oil bound Primer on new 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)	-	125.4214283168	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	15.6776785396	1 Litre
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	10.535399978611	1 Ltr

21	Painting(AR0918g) :.Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work .(Outside) - Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer 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)	-	107.883144235	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	13.485393029375	1 Ltr
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	9.06218411574	1 Ltr

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	25.8116268624	1 Cum	387.01	9989.3577120174
2	BRM340	143.89609743529	1 Qntl.	594.247	85509.82421263
3	BRM028	25.557361053295	1 Cum	391.95	10017.207664839
4	BRM044	8.383326825984	1 Cum.	1949.16	16340.445316135
5	BRM005	6509.272226296	1000 Nos	6.89015	44849.862030013
6	BRM060	8.7495763330415	1 Cum.	2372.58	20759.069816248
7	BRM052	13.124364499562	1 Cum.	2336.2	30661.140343877
8	BRM104	0.70416507278369	1Cum.	58573.086	41245.121366355
9	BRM092	3.76381732923	1Mtr.	229.106	862.31313303057
10	BRM094	24.975867084929	1Mtr.	240.106	5996.855542294
11	BRM162	24	1 Kg.	90	2160
12	BRM341	31.5	1 Qntl.	6402.787	201687.7905
13	BRM084	36.350342616	1Mtr	250.166	9093.6198108743
14	BRMMR0025	16.84432493536	1 Cum	33	555.86272286688
15	BRMMR0027	52.3509426933	1 Sqm	8.5	444.98301289305
16	BRM130	52.3509426933	1 Sqm.	472.7722231	24750.071558492
17	BRM137	1.494995076	1 Litre	143.18567	214.06187160376
18	BRM141	20.712379644385	1 Litre	205.82567	4263.1394175999

19	BRM138	17.251742894385	1 Litre	155.56567	2683.7789420327
20	BRM140	15.6776785396	1 Litre	249.82567	3916.6865452002
21	BRM252	19.597584094351	1 Ltr	125.98567	2469.0147625082
22	BRM255	13.485393029375	1 Ltr	195.27567	2633.3691590245
					Total: 521103.57544053