

ESTIMATION DPR							
State	Odisha	District	Mayurbhanj	Block	Baripada	Gram Panchayat	Budhikhamari

Work Code	OD/365/3490/120101/390459/00013465 (CONSTRUCTION OF FACILITY CENTRE AT GP OFFICE BUDHIKHAMARI)
Project Category	Building

Financial Year	2020-21	Execution Level	PS
Executing Agency	Panchayat Samiti, Baripada	Proposal Date	04-02-2021
Date of Commencement	08-02-2025	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	CHAPALA CHANDA PRADHAN		

Administrative Approval Details

Approval No.	OD/365/3490/120101/390459/00013465/AS
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Technical Sanction Details

Technical Sanction No.	OD/365/3490/120101/390459/00013465/TS
Fund Sanction No.	2306/PR&DW
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 (AR0102a) :.Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil 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	-	43.008688512	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.	-	29.91538530048	Cum
i)	BRM029 : Sand for filling and road blinding	1	29.91538530048	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.	-	9.48396459648	Cum
i)	BRM340 : Cement	2.29	21.718278925939	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	4.5523030063104	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	9.1046060126208	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 - 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>	-	10.720067956	Cum
i)	BRM340 : Cement	0.672	7.203885666432	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	3.00161902768	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	3752.0237846	1000 Nos
5	<p>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.</p>	-	30.6384377984	Cum

i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	30.6384377984	1 Cum
ii)	BRM340 : Cement	0.672	20.589030200525	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	8.578762583552	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	10723.45322944	1000 Nos
6	R.C.C. Work (AR0405Ad) :.Reinforced cement concrete work of M-25 grade with 20mm & down grade size black hard crusher broken granite chips - Reinforced cement concrete work of M-25 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)	-	21.948723281366	Cum
i)	BRM340 : Cement	4.03333	88.526444072432	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	9.8769254766147	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	7.9015403812918	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	11.852310571938	1 Cum.
v)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	3.7695	82.735712409109	1Mtr.
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0741335	1.6271356773791	1Cum.
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.	-	17.552	Qntl
i)	BRM162 : Binding Wire.	0.8	14.0416	1 Kg.
ii)	BRM341 : Steel	1.05	18.4296	1 Qntl.

8	<p>Flooring (AR0817b) :.Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) - Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding 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>	-	27.8709	Sqm
i)	<p>BRM129 : Tiles up to 20cmx30cm / 20cm x 20cm special plain /printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753</p>	1	27.8709	1 Sqm.
ii)	<p>BRM340 : Cement</p>	0.1375	3.83224875	1 Qntl.
iii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.015	0.4180635	1 Cum

9	<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>	-	40.87732	Sqm
i)	<p>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</p>	1	40.87732	1 Sqm.
ii)	<p>BRM340 : Cement</p>	0.2737	11.188122484	1 Qntl.
iii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.013	0.53140516	1 Cum
10	<p>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.</p>	-	71.6746645	Sqm

i)	BRM340 : Cement	0.043	3.0820105735	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.290143961	1 Cum
11	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.	-	49.052784	Sqm
i)	BRM340 : Cement	0.0358	1.7560896672	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.73579176	1 Cum
12	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.	-	141.21256	Sqm
i)	BRM138 : Wood Primer	0.075	10.590942	1 Litre
13	Painting(AR0918ca) :.Finishing wall two coats with weather coat with one coat oilbound Primer - Finishing wall surface two coats with weather coat with one coat oilbound 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)	-	49.052784	Sqm

i)	BRM255 : Weather Coat (I.S.I.)	0.125	6.131598	1 Ltr
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	4.120433856	1 Ltr
14	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)	-	49.052784	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	6.131598	1 Litre
15	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.	-	8.5	Qntl
i)	BRM341 : Steel	1	8.5	1 Qntl.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	29.91538530048	1 Cum	531.74	15907.206979677
2	BRM340	157.89611034003	1 Qntl.	471.532	74453.068700854
3	BRM028	28.985014475157	1 Cum	538.16	15598.575389951
4	BRM044	9.1046060126208	1 Cum.	1596.76	14537.870696712
5	BRM005	14475.47701404	1000 Nos	6.30585	91280.186728984
6	BRMMR0025	30.6384377984	1 Cum	33	1011.0684473472
7	BRM060	7.9015403812918	1 Cum.	1981.51	15656.981280933
8	BRM052	11.852310571938	1 Cum.	1983.8	23512.61371261
9	BRM094	82.735712409109	1Mtr.	287.666	23800.251445879
10	BRM104	1.6271356773791	1Cum.	58620.646	95383.744537613
11	BRM162	14.0416	1 Kg.	90	1263.744

12	BRM341	26.9296	1 Qntl.	5818.482	156689.3928672
13	BRM129	27.8709	1 Sqm.	419.7102781	11697.703189897
14	BRM130	40.87732	1 Sqm.	464.5902781	18991.205466783
15	BRM138	10.590942	1 Litre	155.50622	1646.9573566592
16	BRM255	6.131598	1 Ltr	195.21622	1196.9873841196
17	BRM252	4.120433856	1 Ltr	125.92622	518.8706602461
18	BRM140	6.131598	1 Litre	249.76622	1531.4660550196
Total: 564677.89490049					