

ESTIMATION DPR							
State	Odisha	District	Kendujhar	Block	Joda	Gram Panchayat	Chamakapur

Work Code	OD/361/3451/119442/385424/00047801 (PROVISION OF FACILITY CENTRE AT CHAMAKPUR GP HEAD QUARTER)
Project Category	Building

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Joda	Proposal Date	-
Date of Commencement	07-02-2026	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	DURGA MAHALI		

Administrative Approval Details

Approval No.	OD/361/3451/119442/385424/00047801/AS
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Technical Sanction Details

Technical Sanction No.	OD/361/3451/119442/385424/00047801/TS
Fund Sanction No.	27859
Fund Sanction Amount (in Rs.)	1000000

ROYALTY 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	-	32.176407	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.	-	36.34371	Cum
i)	BRM029 : Sand for filling and road blinding	1	36.34371	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.	-	11.55518	Cum
i)	BRM340 : Cement	2.29	26.4613622	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	5.5464864	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	11.0929728	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>	-	13.38256	Cum
i)	BRM340 : Cement	0.672	8.99308032	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	3.7471168	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	4683.896	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>	-	21.48655	Cum
i)	BRM340 : Cement	0.672	14.4389616	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	6.016234	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 \pm 2 %	350	7520.2925	1000 Nos
6	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.)	-	3.002744	Cum
i)	BRM340 : Cement	3.4733	10.4294307352	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.3512348	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	1.08098784	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	1.62148176	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.01202598972	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000921	0.002765527224	1Mtr.
7	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)	-	3.16425	Cum
i)	BRM340 : Cement	3.4733	10.990389525	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.4239125	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	1.13913	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	1.708695	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.0422427375	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.00307	0.0097142475	1Mtr.
8	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)	-	4.55635	Cum
i)	BRM340 : Cement	3.4733	15.825570455	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.0503575	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	1.640286	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	2.460429	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.045339	0.20658035265	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	0.18922065915	1Cum.
9	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)	-	1.30125	Cum
i)	BRM340 : Cement	3.4733	4.519631625	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.5855625	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	0.46845	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	0.702675	1 Cum.
v)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.049542	0.0644665275	1Mtr.
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0741335	0.096466216875	1Cum.
10	R.C.C. Work (AR0404Bf) :Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips - Reinforced cement concrete work of M-20 grade with 20mm & downgrade 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)(Nominal mix as per IS-456, Table-9).	-	5.955	Sqm
i)	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	0.1339875	1 Cum.

ii)	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	0.20098125	1 Cum.
iii)	BRM340 : Cement	0.21708125	1.29271884375	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.028125	0.167484375	1 Cum
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.0084318	0.050211369	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00552344	0.0328920852	1Cum.
11	<p>R.C.C. Work (AR0404Bg) :.Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips(RCC Roof slab, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9). - Reinforced cement concrete work of M-20 grade with 20mm & downgrade 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, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9).</p>	-	8.3793	Cum

i)	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	3.016548	1 Cum.
ii)	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	4.524822	1 Cum.
iii)	BRM340 : Cement	3.4733	29.10382269	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.770685	1 Cum
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.076659	0.6423487587	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.42078498396	1Cum.
12	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.	-	16	Qntl
i)	BRM341 : Steel	1.05	16.8	1 Qntl.

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.	-	91.2934	Sqm
i)	BRM340 : Cement	0.043	3.9256162	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.6432812	1 Cum
14	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.	-	126.4314	Sqm
i)	BRM340 : Cement	0.0358	4.52624412	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.896471	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.	-	73.9108	Sqm
i)	BRM340 : Cement	0.0372	2.74948176	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.554331	1 Cum
16	Flooring (AR0817aa) :.Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) - Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) 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 Vitrified tiles including rubbing and polishing complete including cost of precast tiles.	-	66.73	Sqm
i)	BRM131 : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B la) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	66.73	1 Sqm.
ii)	BRM340 : Cement	0.1375	9.175375	1 Qntl.

iii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.00095	1 Cum
17	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.	-	2.02	Qntl
i)	BRM341 : Steel	1	2.02	1 Qntl.
18	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.	-	119.93	Sqm
i)	BRM138 : Wood Primer	0.075	8.99475	1 Litre

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	36.34371	1 Cum	75.25	2734.8641775
2	BRM028	29.754107075	1 Cum	75.25	2238.9965573938
3	BRM044	11.0929728	1 Cum.	284.5	3155.9507616
4	BRM060	7.47938934	1 Cum.	279.5	2090.48932053
5	BRM052	11.21908401	1 Cum.	279.5	3135.733980795
Total: 13356.034797819					