

ESTIMATION DPR							
State	Odisha	District	Malkangiri	Block	Khairaput	Gram Panchayat	Govindapalli

Work Code	OD/364/3481/119952/430374/00038295 (Provision of Facility Centre at Govindapally)
Project Category	Building

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Khairaput	Proposal Date	-
Date of Commencement	01-08-2025	Date of Completion	22-09-2025
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	SAMIR DAS		

Administrative Approval Details

Approval No.	OD/364/3481/119952/430374/00038295/AS
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Technical Sanction Details

Technical Sanction No.	OD/364/3481/119952/430374/00038295/TS
Fund Sanction No.	28001
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	-	32.022	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.	-	28.37488	Cum
i)	BRM029 : Sand for filling and road blinding	1	28.37488	1 Cum
3	Concrete (AR0304a) :.Cement concrete (1:4:8) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:4:8) 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.	-	27.08231	Cum
i)	BRM340 : Cement	1.72	46.5815732	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	12.9995088	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	25.9990176	1 Cum.

4	<p>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.)</p>	-	6.92436	Cum
i)	BRM340 : Cement	3.4733	24.050379588	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.115962	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	2.4927696	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	3.7391544	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.0277320618	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000921	0.00637733556	1Mtr.

5	<p>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)</p>	-	2.327071	Cum
i)	BRM340 : Cement	3.4733	8.0826157043	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.04718195	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	0.83774556	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	1.25661834	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.03106639785	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.00307	0.00714410797	1Mtr.

6	<p>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)</p>	-	4.890467	Cum
i)	BRM340 : Cement	3.4733	16.9860590311	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.20071015	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	1.76056812	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	2.64085218	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.045339	0.221728883313	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	0.203096204043	1Cum.

7	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)	-	1.72523	Cum
i)	BRM340 : Cement	3.4733	5.992241359	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.7763535	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	0.6210828	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	0.9316242	1 Cum.
v)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.049542	0.08547134466	1Mtr.
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0741335	0.127897338205	1Cum.

8	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)	-	8.18928	Cum
i)	BRM340 : Cement	3.4733	28.443826224	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.685176	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	2.9481408	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	4.4222112	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.076659	0.62778201552	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.411242711616	1Cum.

9	<p>Masonry Brick Work (AR0602d) :.C.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:4) in foundation and plinth - Brickwork with C.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:4) 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>	-	22.107701	Cum
i)	<p>BRM001 : Well burnt clamp burnt bricks (25 Cm. x 12Cm. x 8Cm.) having crushing strength not less than 35 Kg./Cm² with dimensional tolerance ± 8 percent.</p>	350	7737.69535	1000 Nos
ii)	<p>BRM340 : Cement</p>	1	22.107701	1 Qntl.
iii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.28	6.19015628	1 Cum
10	<p>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.</p>	-	102.48	Sqm
i)	<p>BRM340 : Cement</p>	0.0358	3.668784	1 Qntl.
ii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.015	1.5372	1 Cum

11	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.	-	129.18	Sqm
i)	BRM340 : Cement	0.043	5.55474	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	2.32524	1 Cum
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.	-	20.52	Sqm
i)	BRM340 : Cement	0.0744	1.526688	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.021	0.43092	1 Cum

13	<p>Other Building Items. (AR1901B) :.Vitrified Tile 600mmx600mm Plain Ivory - Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)</p>	-	79.1415	Sqm
i)	BRM174 : White Cement.	0.0076	0.6014754	1Qntl
ii)	BRM340 : Cement	0.1074	8.4997971	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.021	1.6619715	1 Cum
iv)	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	79.1415	1 Sqm.
14	<p>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)</p>	-	191.7245	Sqm
i)	BRM142 : Distemper	0.25	47.931125	1 Kg.

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.	-	2.091	Qntl
i)	BRM341 : Steel	1	2.091	1 Qntl.
16	Painting(AR0903i) :.Painting two coats of enamel paint in outer surface paint (outer surface) - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	18.045	Sqm
i)	BRM141 : Enamel paint	0.125	2.255625	1 Litre
17	Concrete (AR0317) :.2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips - 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specificaion and direction of Engineer-in charge. (new work)	-	77.064	Sqm
i)	BRM340 : Cement	0.1208	9.3093312	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0169	1.3023816	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.	0.0169	1.3023816	1 Cum.
18	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.	-	24.046	Qntl
i)	BRM341 : Steel	1.05	25.2483	1 Qntl.
19	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)	-	123	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	15.375	1 Ltr
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	10.332	1 Ltr

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	28.37488	1 Cum	43.75	1241.401
2	BRM028	37.27276178	1 Cum	43.75	1630.683327875
3	BRM045	25.9990176	1 Cum.	294.5	7656.7106832
4	BRM060	8.66030688	1 Cum.	294.5	2550.46037616

5	BRM052	12.99046032	1 Cum.	294.5	3825.69056424
6	BRM001	7737.69535	1000 Nos	0.04025	311.4422378375
7	BRM064	1.3023816	1 Cum.	149.5	194.7060492
					Total: 17411.094238512