

ESTIMATION DPR							
State	Odisha	District	Sonepur	Block	Sonepur	Gram Panchayat	Kalapathar

Work Code	OD/372/3570/121478/419554/00013497 (Const. of Market Complex, Kalapathar)
Project Category	Building

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Sonepur	Proposal Date	15-02-2024
Date of Commencement	27-04-2025	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Creation of Capital Asset for Revenue Generation
Project Sub-Category	Market Complex	Project Type	New Work
Name of Executant			

Administrative Approval Details

Approval No.	OD/372/3570/121478/419554/00013497/AS
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Technical Sanction Details

Technical Sanction No.	OD/372/3570/121478/419554/00013497/TS
Fund Sanction No.	12821
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	-	24.6195	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.	-	27.48	Cum
i)	BRM029 : Sand for filling and road blinding	1	27.48	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.	-	9.57475	Cum
i)	BRM340 : Cement	2.29	21.9261775	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	4.59588	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	9.19176	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>	-	19.1625	Cum
i)	BRM340 : Cement	0.672	12.8772	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	5.3655	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	6706.875	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>	-	24.4582	Cum
i)	BRM340 : Cement	0.672	16.4359104	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	6.848296	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 \pm 2 %	350	8560.37	1000 Nos
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)	-	18.369375	Cum
i)	BRM340 : Cement	3.4733	63.8023501875	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	8.26621875	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	6.612975	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	9.9194625	1 Cum.

7	<p>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</p>	-	14.4	Sqm
i)	<p>BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)</p>	0.00267	0.038448	1Cum.
ii)	<p>BRM092 : Non-sal bullahs 75mm. mean dia of any length.</p>	0.000614	0.0088416	1Mtr.
8	<p>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, girder and bressmer, etc. Data for 4.2sqm</p>	-	32.66	Sqm
i)	<p>BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.</p>	0.0056666666666667	0.1850733333333333	1Mtr
ii)	<p>BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)</p>	0.0051904761904762	0.16952095238095	1Cum.

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	-	15.327	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.0035384615384615	0.054234	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.0811545	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	-	77.0655	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.0076666666666667	0.5908355	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0050222222222222	0.38704006666667	1Cum.

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.	-	106.495	Sqm
i)	BRM340 : Cement	0.0358	3.812521	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.597425	1 Cum
12	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.	-	143.32	Sqm
i)	BRM340 : Cement	0.043	6.16276	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	2.57976	1 Cum

13	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.	-	56.41	Sqm
i)	BRM340 : Cement	0.0372	2.098452	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.423075	1 Cum
14	Other Building Items. (AR1901Ba) :Vitrified Tile 600mmx600mm Coloured /Printed - Supplying, fitting & fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) 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 work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in- charge.	-	56.41	Sqm
i)	BRM132 : 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 Coloured / Printed series(Homogeneous)	1	56.41	1 Sqm.
ii)	BRM174 : White Cement.	0.0076	0.428716	1Qntl
iii)	BRM340 : Cement	0.1074	6.058434	1 Qntl.

iv)	BRM028 : Screened and washed sharp sand for mortar	0.021	1.18461	1 Cum
15	miscellaneous(ARM12 1) :.Wall painting with any approved paint 2 coats (Labour only) (Painting) and as directed by Engineer-in-Charge. - Wall painting with any approved paint 2 coats (Labour only) (Painting) and as directed by Engineer-in-Charge.	-	306.225	Sqm
16	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)	-	199.584	Sqm
i)	BRM142 : Distemper	0.25	49.896	1 Kg.
17	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)	-	106.495	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	13.311875	1 Litre

18	Painting(AR0901bi) :.Priming one coat in outer surface with primer of approved quality over iron work - Priming one coat in outer surface with primer of approved quality over iron work including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	-	40.32	Sqm
i)	BRM137 : Red oxide Primer	0.054	2.17728	1 Litre
19	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)	-	40.32	Sqm
i)	BRM141 : Enamel paint	0.125	5.04	1 Litre
20	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.	-	21	Qntl
i)	BRM341 : Steel	1.05	22.05	1 Qntl.

21	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.	-	6.8	Qntl
i)	BRM341 : Steel	1	6.8	1 Qntl.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	27.48	1 Cum	170.25	4678.47
2	BRM028	30.86076475	1 Cum	170.25	5254.0451986875
3	BRM044	9.19176	1 Cum.	279.5	2569.09692
4	BRM005	15267.245	1000 Nos	0.04025	614.50661125
5	BRM060	6.612975	1 Cum.	279.5	1848.3265125
6	BRM052	9.9194625	1 Cum.	279.5	2772.48976875
Total: 17736.935011188					