

ESTIMATION DPR							
State	Odisha	District	Malkangiri	Block	Malkangiri	Gram Panchayat	Challanguda

Work Code	OD/364/3484/119960/430234/00015347 (Construction Of Market Complex At Challanguda)
Project Category	Building

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Malkangiri	Proposal Date	-
Date of Commencement	23-01-2025	Date of Completion	01-04-2025
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	TAPAN KUMAR SAMAL		

Administrative Approval Details

Approval No.	OD/364/3484/119960/430234/00015347/AS
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Technical Sanction Details

Technical Sanction No.	OD/364/3484/119960/430234/00015347/TS
Fund Sanction No.	
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	-	43.94175	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.	-	68.87775	Cum
i)	BRM029 : Sand for filling and road blinding	1	68.87775	1 Cum
3	Concrete (AR0304) :.Cement concrete (1:4:8) with 4 cm. hard granite(Crusher Broken) metal - Cement concrete (1:4:8) 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.	-	38.886	Cum
i)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	37.33056	1 Cum.
ii)	BRM340 : Cement	1.72	66.88392	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.48	18.66528	1 Cum

4	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)	-	21.92205	Cum
i)	BRM340 : Cement	3.4733	76.141856265	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	9.8649225	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	7.891938	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	11.837907	1 Cum.

5	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.	-	20.5	Qntl
i)	BRM162 : Binding Wire.	0.8	16.4	1 Kg.
ii)	BRM341 : Steel	1.05	21.525	1 Qntl.
6	Masonry Brick Work (AR0602e) :.C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:4) in foundation and plinth - Brickwork with C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:4) in foundation and plinth having crushing strength not less than 75.00 Kg/cm ² 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.	-	20.6425	Cum
i)	BRM002 : Well burnt clamp burnt bricks (23 Cm. x 11Cm. x 8Cm.) having crushing strength not less than 35 Kg./Cm ² with dimensional tolerance ± 8 percent.	400	8257	1000 Nos
ii)	BRM340 : Cement	1	20.6425	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	5.7799	1 Cum

7	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.	-	82.65	Sqm
i)	BRM340 : Cement	0.0358	2.95887	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.23975	1 Cum
8	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.	-	176.2	Sqm
i)	BRM340 : Cement	0.043	7.5766	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	3.1716	1 Cum
9	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.	-	248	Sqm

i)	BRM138 : Wood Primer	0.075	18.6	1 Litre
10	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)	-	248	Sqm
i)	BRM142 : Distemper	0.25	62	1 Kg.
11	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.	-	7.6	Qntl
i)	BRM341 : Steel	1	7.6	1 Qntl.
12	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.	-	25	Sqm
i)	BRM137 : Red oxide Primer	0.054	1.35	1 Litre

13	<p>miscellaneous(ARM286) :.Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC -</p> <p>Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.</p>	-	14.4	Sqm
i)	BRM029 : Sand for filling and road blinding	0.05	0.72	1 Cum
ii)	BRMM286 : Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items)	1	14.4	1 Sqm

14	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.	-		42	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		42	1 Sqm.
ii)	BRMMR0027 : Wax Polish	1		42	1 Sqm
iii)	BRM340 : Cement	0.1375		5.775	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.015		0.63	1 Cum

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	69.59775	1 Cum	413.05	28747.3506375
2	BRM044	37.33056	1 Cum.	1531.66	57177.7255296
3	BRM340	179.978746265	1 Qntl.	670.037	120592.41921116
4	BRM028	39.3514525	1 Cum	613.29	24133.852303725
5	BRM060	7.891938	1 Cum.	1955.08	15429.37014504
6	BRM052	11.837907	1 Cum.	1918.7	22713.3921609
7	BRM162	16.4	1 Kg.	90.1	1477.64
8	BRM341	29.125	1 Qntl.	6452.357	187924.897625
9	BRM002	8257	1000 Nos	5.04079	41621.80303
10	BRM138	18.6	1 Litre	155.44677	2891.309922

11	BRM142	62	1 Kg.	70.46677	4368.93974
12	BRM137	1.35	1 Litre	143.06677	193.1401395
13	BRMM286	14.4	1 Sqm	485.28	6988.032
14	BRM131	42	1 Sqm.	663.9538891	27886.0633422
15	BRMMR0027	42	1 Sqm	8.5	357
Total: 542502.93578663					