

ESTIMATION DPR							
State	Odisha	District	Malkangiri	Block	Chitrakonda	Gram Panchayat	Gajalmamudi

Work Code	OD/364/3483/275082/923649/00072276 (CONST OF MARKET COMPLEX AT GAJALMAMUDI)
Project Category	Building

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Chitrakonda	Proposal Date	01-07-2023
Date of Commencement	-	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance of Capital Assets
Project Sub-Category	Market Complex	Project Type	New Work
Name of Executant			

Administrative Approval Details

Approval No.	OD/364/3483/275082/923649/00072276/AS
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Technical Sanction Details

Technical Sanction No.	OD/364/3483/275082/923649/00072276/TS
Fund Sanction No.	1000000
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 (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	-	31.345875	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.	-	30.20765625	Cum
i)	BRM029 : Sand for filling and road blinding	1	30.20765625	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.	-	24.342875	Cum
i)	BRM340 : Cement	2.29	55.74518375	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	11.68458	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	23.36916	1 Cum.
4	Masonry Brick Work (AR06059) :.Brick work with K.B. bricks 25cm x 12cm x 8cm - Brick work with K.B. bricks 25cm x 12cm x 8cm size having crushing strength not less than 75 Kg/cm ² with dimensional tolerance ± 8 percent in cement mortar (1:3) in foundation and plinth	-	18.5955	Cum
i)	BRM340 : Cement	1.33	24.732015	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	5.20674	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	6508.425	1000 Nos
5	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	-	39.585	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.10569195	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	4.98771	1Mtr.
6	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, grider and bressmer, etc. Data for 4.2sqm	-	31.425	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	17.358571428571	1Mtr

ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.16311071428571	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.	-	22.465727995731	Qntl
i)	BRM162 : Binding Wire.	0.8	17.972582396585	1 Kg.
ii)	BRM341 : Steel	1.05	23.589014395518	1 Qntl.
8	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)	-	23.81082	Cum
i)	BRM340 : Cement	3.4733	82.702121106	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	10.714869	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	8.5718952	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	12.8578428	1 Cum.
9	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)	-	102.795	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	12.849375	1 Litre
10	R.C.C. Work (AR0410a) :.First floor - 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	-	75.6918	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.746666666666667	56.516544	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00602666666666667	0.456169248	1Cum.

11	Painting(AR0903i) :.Third Floor - 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)	-	28.35	Sqm
i)	BRM141 : Enamel paint	0.125	3.54375	1 Litre
12	Plastering (AR1004) :.First Floor - 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.	-	205.59	Sqm
i)	BRM340 : Cement	0.0358	7.360122	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	3.08385	1 Cum
13	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.	-	4.914	Qntl
i)	BRM341 : Steel	1	4.914	1 Qntl.

14	Painting(AR0918c) :.First Floor - Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)	-	102.795	Sqm
i)	BRM143 : Cement paint	0.25	25.69875	1 Kg.
ii)	BRM340 : Cement	0.010763440860215	1.1064279032258	1 Qntl.
15	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	-	9.345	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.26923076923077	2.5159615384615	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.049480576923077	1Cum.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	30.20765625	1 Cum	2313.85	69895.985414062
2	BRM340	171.64586975923	1 Qntl.	645.892	110864.69411053
3	BRM028	30.690039	1 Cum	2318.79	71163.75553281
4	BRM044	23.36916	1 Cum.	2133.16	49850.1573456
5	BRM005	6508.425	1000 Nos	8.04275	52345.63516875
6	BRM104	0.77445248920879	1Cum.	58573.086	45362.072253341
7	BRM092	4.98771	1Mtr.	229.106	1142.71428726
8	BRM084	73.875115428571	1Mtr	250.166	18481.042126304
9	BRM162	17.972582396585	1 Kg.	90.1	1619.3296739323

10	BRM341	28.503014395518	1 Qntl.	6286.232	179176.56118956
11	BRM060	8.5718952	1 Cum.	3660.58	31378.108131216
12	BRM052	12.8578428	1 Cum.	2520.2	32404.33542456
13	BRM140	12.849375	1 Litre	250.42592	3217.8165558
14	BRM141	3.54375	1 Litre	206.42592	731.521854
15	BRM143	25.69875	1 Kg.	48.91592	1257.0779991
16	BRM094	2.5159615384615	1Mtr.	240.106	604.09746115385
					Total: 669494.90452798