

ESTIMATION DPR							
State	Odisha	District	Sambalpur	Block	Bamra	Gram Panchayat	Mahulpali

Work Code	OD/371/3558/121287/381409/00022878 (Construction of market complex at Mahulpali Bridge Chowk, Mahulpali)						
Project Category	Building						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Bamra	Proposal Date	20-07-2024
Date of Commencement	07-10-2025	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	padmabamra		

Administrative Approval Details

Approval No.	OD/371/3558/121287/381409/00022878/AS
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Technical Sanction Details

Technical Sanction No.	OD/371/3558/121287/381409/00022878/TS
Fund Sanction No.	32
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	-	36.96616656	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.	-	65.40718669824	Cum
i)	BRM029 : Sand for filling and road blinding	1	65.40718669824	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.	-	8.94216793536	Cum
i)	BRM340 : Cement	2.29	20.477564571974	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	4.2922406089728	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	8.5844812179456	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)	-	21.0832451232	Cum
i)	BRM340 : Cement	3.4733	73.228435286411	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	9.48746030544	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	7.589968244352	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	11.384952366528	1 Cum.

5	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.	-	19.684894258483	Cum
i)	BRM340 : Cement	0.672	13.228248941701	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	5.5117703923752	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	6889.712990469	1000 Nos
6	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.	-	19.605702816	Cum

i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	19.605702816	1 Cum
ii)	BRM340 : Cement	0.672	13.175032292352	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	5.48959678848	1 Cum
iv)	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	6861.9959856	1000 Nos
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.	-	21	Qntl
i)	BRM162 : Binding Wire.	0.8	16.8	1 Kg.
ii)	BRM341 : Steel	1.05	22.05	1 Qntl.

8	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	-	52.8724351032	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.14116940172554	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	6.6619268230032	1Mtr.
9	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	-	46.56669972	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	25.722557940571	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.24170334616571	1Cum.

10	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	-	17.5579980984	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.26923076923077	4.7271533341846	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.092967348905631	1Cum.
11	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	-	66.44979978	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.62222222222222	41.346542085333	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0050222222222222	0.33372566111733	1Cum.

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.	-	49.6924768968	Sqm
i)	BRM340 : Cement	0.0744	3.6971202811219	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.021	1.0435420148328	1 Cum
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.	-	138.2582446	Sqm
i)	BRM340 : Cement	0.043	5.9451045178	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	2.4886484028	1 Cum
14	Plastering (AR1004) :.Fifth 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.	-	70.9407308	Sqm

i)	BRM340 : Cement	0.0358	2.53967816264	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.064110962	1 Cum
15	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)	-	138.2582446	Sqm
i)	BRM142 : Distemper	0.25	34.56456115	1 Kg.
16	Painting(AR0901d) :.Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) - Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	-	70.9407308	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	5.9590213872	1 Ltr
17	Painting(AR0918Ai) :.Finishing wall one coat with weather coat - Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes required for the work etc. complete and as per direction of Engineer-in-charge.	-	70.9407308	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.075	5.32055481	1 Ltr

18	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)	-	55.19553036	Sqm
i)	BRM174 : White Cement.	0.0076	0.419486030736	1Qntl
ii)	BRM340 : Cement	0.1074	5.927999960664	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.021	1.15910613756	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	55.19553036	1 Sqm.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	65.40718669824	1 Cum	736.61	48179.587793791
2	BRM340	138.21918401466	1 Qntl.	568.732	78609.672963028
3	BRM028	30.536475612461	1 Cum	743.49	22703.564253109
4	BRM044	8.5844812179456	1 Cum.	2087.91	17923.624179761
5	BRM060	7.589968244352	1 Cum.	2556.58	19404.361014145
6	BRM052	11.384952366528	1 Cum.	2520.2	28692.356954124
7	BRM005	13751.708976069	1000 Nos	6.30585	86716.214046745
8	BRMMR0025	19.605702816	1 Cum	33	646.988192928
9	BRM162	16.8	1 Kg.	90	1512
10	BRM341	22.05	1 Qntl.	6685.862	147423.2571
11	BRM104	0.80956575791422	1Cum.	58573.086	47418.764760965
12	BRM092	6.6619268230032	1Mtr.	229.106	1526.287406711
13	BRM084	67.069100025905	1Mtr	250.166	16778.40847708

14	BRM094	4.7271533341846	1Mtr.	240.106	1135.0178784577
15	BRM142	34.56456115	1 Kg.	70.52622	2437.7078438684
16	BRM253	5.9590213872	1 Ltr	159.45622	950.20302530207
17	BRM255	5.32055481	1 Ltr	195.21622	1038.658598311
18	BRM174	0.419486030736	1Qntl	2042.622	856.85139507403
19	BRM131	55.19553036	1 Sqm.	664.5102781	36677.997229401
					Total: 560631.5231128