

ESTIMATION DPR							
State	Odisha	District	Malkangiri	Block	Malkangiri	Gram Panchayat	Jharapalli

Work Code	OD/364/3484/119997/430170/00013433 (Construction of Market Complex at Jharapalli)						
Project Category	Building						

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Malkangiri	Proposal Date	19-02-2024
Date of Commencement	14-12-2024	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	Er. MANISHA PUJARI		

Administrative Approval Details

Approval No.	OD/364/3484/119997/430170/00013433/AS
---------------------	---------------------------------------

Technical Sanction Details

Technical Sanction No.	OD/364/3484/119997/430170/00013433/TS
Fund Sanction No.	12821
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	<p>Earth Work (AR0122Ai1) :.Earthwork in all kinds of soil within 50m to 75m 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 - Earthwork in all kinds of soil within 50m to 75m 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 direction of the Engineer-in-charge.</p>	-	29.826	Cum
2	<p>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.</p>	-	22.6845	Cum
i)	<p>BRM029 : Sand for filling and road blinding</p>	1	22.6845	1 Cum
3	<p>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.</p>	-	39.554175	Cum

i)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	37.972008	1 Cum.
ii)	BRM340 : Cement	1.72	68.033181	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.48	18.986004	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)	-	24.47424	Cum
i)	BRM340 : Cement	3.4733	85.006377792	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	11.013408	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	8.8107264	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	13.2160896	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.	-	24	Qntl
i)	BRM162 : Binding Wire.	0.8	19.2	1 Kg.
ii)	BRM341 : Steel	1.05	25.2	1 Qntl.
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/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.	-	22.750105	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	22.750105	1 Cum
ii)	BRM340 : Cement	0.672	15.28807056	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	6.3700294	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./Cm ² with dimensional tolerance \pm 2 %	350	7962.53675	1000 Nos
7	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.	-	158.36	Sqm
i)	BRM340 : Cement	0.043	6.80948	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	2.85048	1 Cum
8	Flooring (AR0802ii) :.2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.	-	64.08	Sqm
i)	BRM340 : Cement	0.0858	5.498064	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.012	0.76896	1 Cum
iii)	BRM057 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve)(Hand broken)	0.023	1.47384	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)	-	613.94	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	76.7425	1 Litre
10	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.	-	138.3	Sqm
i)	BRM340 : Cement	0.0358	4.95114	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	2.0745	1 Cum
11	Other Building Items. (AR1902) :.cement based wall putty (water based) - Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,etc. complete. and as per the direction of Engineer in Charge.	-	613.94	Sqm
i)	BRMMR0038 : Cement based putty	0.8	491.152	kg

12	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)	-	34.02	Sqm
i)	BRM141 : Enamel paint	0.125	4.2525	1 Litre
13	Painting(AR0918f) :.Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside) - Finishing wall with two coat weather coat paint of approved shade in the outer surface of old 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)	-	138.3	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	17.2875	1 Ltr

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	22.6845	1 Cum	478.15	10846.593675
2	BRM044	37.972008	1 Cum.	1440.52	54699.43696416
3	BRM340	185.586313352	1 Qntl.	673.604	125011.68301916
4	BRM028	42.0633814	1 Cum	678.39	28535.377307946
5	BRM060	8.8107264	1 Cum.	1863.94	16422.665366016
6	BRM052	13.2160896	1 Cum.	1827.56	24153.196709376
7	BRM162	19.2	1 Kg.	90.1	1729.92
8	BRM341	25.2	1 Qntl.	6455.924	162689.2848
9	BRMMR0025	22.750105	1 Cum	33	750.753465
10	BRM005	7962.53675	1000 Nos	6.3895	50876.628564125
11	BRM057	1.47384	1 Cum.	1530.46	2255.6531664
12	BRM140	76.7425	1 Litre	249.74244	19165.8592017
13	BRMMR0038	491.152	kg	30	14734.56

14	BRM141	4.2525	1 Litre	205.74244	874.9197261
15	BRM255	17.2875	1 Ltr	195.19244	3374.3893065
					Total: 516120.92127148