

ESTIMATION DPR							
State	Odisha	District	Mayurbhanj	Block	Sukruli	Gram Panchayat	Khiching

Work Code	OD/365/3508/120364/388704/00066892 (Const. of Market Complex at Khiching GP)
Project Category	Building

Financial Year	2021-22	Execution Level	PS
Executing Agency	Panchayat Samiti, Sukruli	Proposal Date	-
Date of Commencement	24-12-2025	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	JEEBAN SINGH		

Administrative Approval Details

Approval No.	OD/365/3508/120364/388704/00066892/AS
--------------	---------------------------------------

Technical Sanction Details

Technical Sanction No.	OD/365/3508/120364/388704/00066892/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 (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	-	40.2611802	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.	-	59.94494677024	Cum
i)	BRM029 : Sand for filling and road blinding	1	59.94494677024	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.	-	10.454072622726	Cum
i)	BRM340 : Cement	2.29	23.939826306043	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	5.0179548589085	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	10.035909717817	1 Cum.

4	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.	-	27.61676056544	Cum
i)	BRM340 : Cement	0.672	18.558463099976	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	7.7326929583232	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	9665.866197904	1000 Nos

5	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)	-	29.740911677082	Cum
i)	BRM340 : Cement	3.4733	103.29910852801	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	13.383410254687	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	10.70672820375	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	16.060092305624	1 Cum.

6	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.	-	23	Qntl
i)	BRM162 : Binding Wire.	0.8	18.4	1 Kg.
ii)	BRM341 : Steel	1.05	24.15	1 Qntl.
7	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.	-	23.27073491328	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	23.27073491328	1 Cum
ii)	BRM340 : Cement	0.672	15.637933861724	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	6.5158057757184	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 $\pm 2\%$	350	8144.757219648	1000 Nos
8	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.	-	120.24621096	Sqm
i)	BRM340 : Cement	0.0358	4.304814352368	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.8036931644	1 Cum
9	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.	-	124.025505	Sqm
i)	BRM340 : Cement	0.043	5.333096715	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	2.23245909	1 Cum

10	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.	-	84.21099532	Sqm
i)	BRM340 : Cement	0.0744	6.265298051808	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.021	1.76843090172	1 Cum
11	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.	-	62.52000288	Sqm
i)	BRM340 : Cement	0.0858	5.364216247104	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.012	0.75024003456	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	1.43796006624	1 Cum.

12	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.	-	153.754465	Sqm
i)	BRMMR0038 : Cement based putty	0.8	123.003572	kg
13	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)	-	130.00102596	Sqm
i)	BRM142 : Distemper	0.25	32.50025649	1 Kg.
14	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)	-	157.470585	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	19.683823125	1 Litre

15	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)	-	26.82574125	Sqm
i)	BRM141 : Enamel paint	0.125	3.35321765625	1 Litre
16	Other Building Items. (AR1909) :.Al. door with OEL anodized Al. door section of 9202 as vertical member - Providing fitting, fixing of Al. door with OEL anodized Al. door section of 9202 as vertical member, 9201 as top member and 9200 as bottom and middle member and 12mm thick pre-laminated board fixed on door frame by means of tapered clip No. 4660 and the frame to be completed by means of jointing angle No.1855 including all cost of labour,T&P , hire charges of drilling machine, labour charges etc. complete. and as per direction of Engineer in Charge	-	9.754815	Sqm
i)	BRM281 : Prelaminated particle board (standard type) (I.S.I.) 12mm	1.1018518518519	10.748360972222	Sqm
ii)	BRMMR0008 : Hire charges of drills machine	0.694444444444444	6.7741770833333	Day
iii)	BRMMR0018 : 6-Level mortice lock	0.46296296296296	4.5161180555556	Each
iv)	BRMMR0017 : Handle	0.92592592592593	9.0322361111111	Each
v)	BRMMR0016 : Door Stopper	0.46296296296296	4.5161180555556	Each
vi)	BRMMR0011 : U rubber beading	8.4675925925926	82.599799236111	Mtr
vii)	BRMMR0015 : 4 Anodised Al. Hinges	1.8518518518519	18.064472222222	Each

viii)	BRM304 : Aluminium extruded section	11.821805555556	115.31952616042	kg
-------	-------------------------------------	-----------------	-----------------	----

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	59.94494677024	1 Cum	427.58	25631.260340019
2	BRM340	182.70275716203	1 Qntl.	641.11	117132.56464415
3	BRM028	39.204687038317	1 Cum	603.26	23650.619502735
4	BRM044	10.035909717817	1 Cum.	1401.46	14064.926033132
5	BRM005	17810.623417552	1000 Nos	6.60035	117556.34827404
6	BRM060	10.70672820375	1 Cum.	1786.21	19124.464984819
7	BRM052	16.060092305624	1 Cum.	1788.5	28723.475088609
8	BRM162	18.4	1 Kg.	90	1656
9	BRM341	24.15	1 Qntl.	6209.82	149967.153
10	BRMMR0025	23.27073491328	1 Cum	33	767.93425213824
11	BRM057	1.43796006624	1 Cum.	1491.4	2144.5736427903
12	BRMMR0038	123.003572	kg	30	3690.10716
13	BRM142	32.50025649	1 Kg.	70.4311	2289.0288148728
14	BRM140	19.683823125	1 Litre	249.6711	4914.4817718242
15	BRM141	3.35321765625	1 Litre	205.6711	689.65996390036
16	BRM281	10.748360972222	Sqm	710.82	7640.149946275
17	BRMMR0008	6.7741770833333	Day	100	677.41770833333
18	BRMMR0018	4.5161180555556	Each	600	2709.6708333333
19	BRMMR0017	9.0322361111111	Each	62.5	564.51475694444
20	BRMMR0016	4.5161180555556	Each	25	112.90295138889
21	BRMMR0011	82.599799236111	Mtr	15	1238.9969885417
22	BRMMR0015	18.064472222222	Each	39	704.51441666667
23	BRM304	115.31952616042	kg	297.97	34361.759210019

Total: 560012.52428453