

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Kalahandi	<b>Block</b>	Kesinga	<b>Gram Panchayat</b>	Nunmath

<b>Work Code</b>	OD/358/3416/118758/422294/00092265 (MAINTENANCE OF MARKET COMPLEX AT NUNMATH)
<b>Project Category</b>	Building

<b>Financial Year</b>	2021-22	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Kesinga	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	06-04-2026	<b>Date of Completion</b>	-
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	Maintenance of Capital Assets
<b>Project Sub-Category</b>	Market Complex	<b>Project Type</b>	Repair and Maintenance
<b>Name of Executant</b>	STHITI PRAGYAN MALLA		

### Administrative Approval Details

<b>Approval No.</b>	OD/358/3416/118758/422294/00092265/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/358/3416/118758/422294/00092265/TS
<b>Fund Sanction No.</b>	501
<b>Fund Sanction Amount (in Rs.)</b>	300000

### MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b> 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	-	27	Cum

2	<b>Earth Work (AR0115)</b> :.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.	-	7.2	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	7.2	1 Cum
3	<b>Concrete (AR0303)</b> :.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.	-	3.15	Cum
i)	<b>BRM340</b> : Cement	2.29	7.2135	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1.512	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	3.024	1 Cum.

4	<b>R.C.C. Work (AR0404A)</b> <b>:.Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> 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)	-	<b>4.6185</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	16.04143605	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	2.078325	1 Cum
iii)	<b>BRM060</b> : 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	1.66266	1 Cum.
iv)	<b>BRM052</b> : 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	2.49399	1 Cum.

5	<p><b>Masonry Brick Work (AR0603bi) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure -</b>  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<sup>2</sup> 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&amp;P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	3.375	Cum
i)	<p><b>BRMMR0025 :</b>  SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</p>	1	3.375	1 Cum
ii)	<p><b>BRM340 :</b> Cement</p>	0.672	2.268	1 Qntl.
iii)	<p><b>BRM028 :</b> Screened and washed sharp sand for mortar</p>	0.28	0.945	1 Cum
iv)	<p><b>BRM005 :</b> Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm<sup>2</sup> with dimensional tolerance ± 2 %</p>	350	1181.25	1000 Nos

6	<b>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 -</b> 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.	-	4.883587	Qntl
i)	<b>BRM162</b> : Binding Wire.	0.8	3.9068696	1 Kg.
ii)	<b>BRM341</b> : Steel	1.05	5.12776635	1 Qntl.
7	<b>R.C.C. Work (AR0410d) :.Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting -</b> 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	-	8.4	Sqm
i)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	4.64	1Mtr
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.0436	1Cum.

8	<p><b>R.C.C. Work (AR0410a) :-Centring &amp; 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</b></p>	-	37.56	Sqm
i)	<p><b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.</p>	0.622222222222222	23.3706666666667	1Mtr
ii)	<p><b>BRM104</b> : Non Sal wood scantling &amp; plants(Tentera, Kasi, Gamhari, Kuruma)</p>	0.005022222222222	0.188634666666667	1Cum.
9	<p><b>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.</b></p>	-	20.08	Sqm

i)	<b>BRM131</b> : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B Ia) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	20.08	1 Sqm.
ii)	<b>BRMMR0027</b> : Wax Polish	1	20.08	1 Sqm
iii)	<b>BRM340</b> : Cement	0.1375	2.761	1 Qntl.
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.3012	1 Cum
10	<b>Flooring (AR0816j) :.Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 -</b> Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the Chequered tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.	-	9	Sqm
i)	<b>BRM134</b> : Chequered Tiles.	1	9	1 Sqm.
ii)	<b>BRMMR0027</b> : Wax Polish	1	9	1 Sqm
iii)	<b>BRM340</b> : Cement	0.2737	2.4633	1 Qntl.
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.013	0.117	1 Cum

11	<b>Plastering (AR1014)</b> <b>::16mm thick cement Plaster in CM (1:6) over brick work in inside.</b> - 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.	-	<b>90.63</b>	Sqm
i)	<b>BRM340</b> : Cement	0.043	3.89709	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	1.63134	1 Cum
12	<b>Plastering (AR1004)</b> <b>::12mm thick cement plaster (1:6) over Brick work in inside</b> - 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.	-	<b>54.18</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0358	1.939644	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.8127	1 Cum

13	<p><b>Other Building Items. (AR1902) :.cement based wall putty (water based) -</b>  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&amp;P,etc. complete. and as per the direction of Engineer in Charge.</p>	-	72.18	Sqm
i)	<b>BRMMR0038</b> : Cement based putty	0.8	57.744	kg
14	<p><b>Painting(AR0901d) :.Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) -</b> 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&amp;P required for the work complete as per direction of the Engineer-in-charge.</p>	-	162.81	Sqm
i)	<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.084	13.67604	1 Ltr
15	<p><b>Painting(AR0919) :.Finishing wall One Coat with plastic emulsion paint of approved shades on old work (Inside) -</b>  Finishing wall One Coat with plastic emulsion paint of approved shades on old 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)</p>	-	162.81	Sqm
i)	<b>BRM140</b> : Plastic Emulsion paint	0.075	12.21075	1 Litre

16	<b>Iron Work(AR1704)</b> :.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.	-	1.536	Qntl
i)	<b>BRM341 : Steel</b>	1	1.536	1 Qntl.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	7.2	1 Cum	478.15	3442.68
2	<b>BRM340</b>	36.58397005	1 Qntl.	614.502	22480.922763665
3	<b>BRM028</b>	7.397565	1 Cum	483.09	3573.68967585
4	<b>BRM044</b>	3.024	1 Cum.	1466.56	4434.87744
5	<b>BRM060</b>	1.66266	1 Cum.	1866.31	3103.0389846
6	<b>BRM052</b>	2.49399	1 Cum.	1851.31	4617.1486269
7	<b>BRMMR0025</b>	3.375	1 Cum	33	111.375
8	<b>BRM005</b>	1181.25	1000 Nos	6.30115	7443.2334375
9	<b>BRM162</b>	3.9068696	1 Kg.	90.1	352.00895096
10	<b>BRM341</b>	6.66376635	1 Qntl.	6403.342	42670.374947142
11	<b>BRM084</b>	28.01066666667	1Mtr	297.726	8339.503744
12	<b>BRM104</b>	0.23223466666667	1Cum.	58620.646	13613.746183595
13	<b>BRM131</b>	20.08	1 Sqm.	665.5902781	13365.052784248
14	<b>BRMMR0027</b>	29.08	1 Sqm	8.5	247.18
15	<b>BRM134</b>	9	1 Sqm.	254.75	2292.75
16	<b>BRMMR0038</b>	57.744	kg	30	1732.32
17	<b>BRM253</b>	13.67604	1 Ltr	159.45622	2180.7296429688
18	<b>BRM140</b>	12.21075	1 Litre	249.76622	3049.832870865

**Total: 137050.46505229**