

ESTIMATION DPR							
State	Odisha	District	Ganjam	Block	Surada	Gram Panchayat	Nuagada

Work Code	OD/354/3385/118035/410910/00022490 (Construction Of Market Complex At Puspanagar)
Project Category	Building

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Surada	Proposal Date	-
Date of Commencement	04-11-2025	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	Monalisha Panda		

Administrative Approval Details

Approval No.	OD/354/3385/118035/410910/00022490/AS
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Technical Sanction Details

Technical Sanction No.	OD/354/3385/118035/410910/00022490/TS
Fund Sanction No.	29142
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	-	22.024125	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.	-	23.884125	Cum
i)	BRM029 : Sand for filling and road blinding	1	23.884125	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.	-	18.46845	Cum
i)	BRM340 : Cement	2.29	42.2927505	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	8.864856	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	17.729712	1 Cum.

4	Masonry Brick Work (AR0610d) :.Cement concrete solid Block machine mixed and Hydraulic compressed having crushing strength not less than 75kg/cm2 (400mm x 100mm x 150mm size) - Cement concrete solid Block machine mixed and Hydraulic compressed having crushing strength not less than 75kg/cm2 (300mm x 200mm x 150mm size) in cement mortar (1:6) in foundation and plinth immersing the concrete solid Block 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.	-	13.53354	Cum
i)	BRM011 : Cement concrete solid Block machine mixed and Hydraulic compressed having crushing strength not less than 75kg/cm2 (300mm x 200mm x 150mm size)	93	1258.61922	Each
ii)	BRM340 : Cement	0.672	9.09453888	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	3.7893912	1 Cum

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)	-	17.8266825	Cum
i)	BRM340 : Cement	3.4733	61.91741632725	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	8.022007125	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	6.4176057	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	9.62640855	1 Cum.

6	Plastering (AR1027) :.6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.	-	62.315	Sqm
i)	BRM340 : Cement	0.0372	2.318118	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.4673625	1 Cum
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.	-	122.43	Sqm
i)	BRM340 : Cement	0.043	5.26449	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	2.20374	1 Cum

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	-	33.018	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.08815806	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	4.160268	1Mtr.
9	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	-	10.56	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.26923076923077	2.8430769230769	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.055913846153846	1Cum.

10	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 centering 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, girder and bressmer, etc. Data for 4.2sqm	-	43.6796	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	24.127779047619	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.22671792380952	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 centering 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	-	62.59	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.622222222222222	38.9448888888889	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0050222222222222	0.314340888888889	1Cum.

12	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.	-	86.73	Sqm
i)	BRM340 : Cement	0.0358	3.104934	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.30095	1 Cum
13	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.	-	20	Qntl
i)	BRM162 : Binding Wire.	0.8	16	1 Kg.
ii)	BRM341 : Steel	1.05	21	1 Qntl.

14	<p>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)</p>	-	53.235	Sqm
i)	BRM174 : White Cement.	0.0076	0.404586	1Qntl
ii)	BRM340 : Cement	0.1074	5.717439	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.021	1.117935	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	53.235	1 Sqm.
15	<p>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.</p>	-	3.969	Qntl
i)	BRM341 : Steel	1	3.969	1 Qntl.

16	<p>Masonry Brick Work (AR0603ci) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with Flyash Bricks of size (23cm x 11cm 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.</p>	-	19.35105	Cum
i)	<p>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</p>	1	19.35105	1 Cum
ii)	<p>BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm² with dimensional tolerance ± 2 %</p>	400	7740.42	1000 Nos
iii)	<p>BRM340 : Cement</p>	0.672	13.0039056	1 Qntl.
iv)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.28	5.418294	1 Cum
17	<p>Painting(AR0901di) :.Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface) - Priming one coat with outer 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.</p>	-	224.16	Sqm

i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	20.246709677419	1 Ltr
18	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)	-	122.43	Sqm
i)	BRM142 : Distemper	0.25	30.6075	1 Kg.
19	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.	-	86.73	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.075	6.50475	1 Ltr
20	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)	-	86.73	Sqm
i)	BRM141 : Enamel paint	0.125	10.84125	1 Litre

21	<p>Other Building Items. (AR1911) :.Stainless steel of 304 grade in hand railing using 50mm dia of 2mm - Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in staircase as per approved design and specification, buffing, polishing etc with cost, conveyance, taxes of all materials, labour, T&P etc. required for the complete in all respect. and as per direction of Engineer in Charge</p>	-	7.61999975616	Rmt
i)	BRMMR0024 : Buffing, Polishing etc.	0.30674846625767	2.3374232380859	L.S.
ii)	BRMMR0023 : Fabrication	10.478527607362	79.846377813014	kg
iii)	BRMMR0022 : Stainless steel square pipe bracing of size 32mmx32mmx2mm in 3 rows	5.101226993865	38.871348449368	kg
iv)	BRMMR0021 : Balustrade of size 30mmx32mmx2mm	1.8773006134969	14.305030217086	kg
v)	BRMMR0020 : Railing 50mm outer dia of 2mm thick	3.5	26.66999914656	kg
22	<p>Flooring (AR0817ap) :.Fixing Chequered Tiles in dados skirting and risers of steps on 12mm thick cement plaster (1:3) - Fixing Chequered Tiles 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 Chequered tiles including rubbing and polishing complete including cost of precast tiles.</p>	-	26.46	Sqm

i)	BRM134 : Chequered Tiles.	1	26.46	1 Sqm.
ii)	BRMMR0027 : Wax Polish	1	26.46	1 Sqm
iii)	CON026 : cement (Other way)	0.1375	3.63825	1000 kg
iv)	BRM340 : Cement	0.1375	3.63825	1 Qntl.
v)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.3969	1 Cum
23	Concrete (AR0307) :.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specificaion and direction of Engineer-in charge.	-	0.9	Cum
i)	BRM340 : Cement	3.23	2.907	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.405	1 Cum
iii)	BRM056 : 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) (Crusher broken)	0.9	0.81	1 Cum.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	23.884125	1 Cum	403.97	9648.46997625
2	BRM340	149.25884230725	1 Qntl.	598.962	89400.374706035
3	BRM028	31.986435825	1 Cum	407.34	13029.354768956
4	BRM044	17.729712	1 Cum.	1401.46	24847.48217952
5	BRM011	1258.61922	Each	24.494362	30829.074794838
6	BRM060	6.4176057	1 Cum.	1813.98	11641.408387686
7	BRM052	9.62640855	1 Cum.	1788.5	17216.831691675

8	BRM104	0.68513071885226	1Cum.	58573.086	40130.220516575
9	BRM092	4.160268	1Mtr.	229.106	953.142360408
10	BRM094	2.8430769230769	1Mtr.	240.106	682.63982769231
11	BRM084	63.072667936508	1Mtr	250.166	15778.637047004
12	BRM162	16	1 Kg.	90.1	1441.6
13	BRM341	24.969	1 Qntl.	6686.357	166951.647933
14	BRM174	0.404586	1Qntl	2053.857	830.961788202
15	BRM131	53.235	1 Sqm.	663.9538891	35345.585286239
16	BRMMR0025	19.35105	1 Cum	33	638.58465
17	BRM006	7740.42	1000 Nos	5.4818	42431.434356
18	BRM253	20.246709677419	1 Ltr	159.39677	3227.2601257084
19	BRM142	30.6075	1 Kg.	70.46677	2156.811662775
20	BRM255	6.50475	1 Ltr	195.15677	1269.4459996575
21	BRM141	10.84125	1 Litre	205.70677	2230.1185202625
22	BRMMR0024	2.3374232380859	L.S.	178.42	417.04305413928
23	BRMMR0023	79.846377813014	kg	10	798.46377813014
24	BRMMR0022	38.871348449368	kg	256.62	9975.1654390769
25	BRMMR0021	14.305030217086	kg	256.62	3670.9568543085
26	BRMMR0020	26.66999914656	kg	240.24	6407.2005949696
27	BRM134	26.46	1 Sqm.	254.75	6740.685
28	BRMMR0027	26.46	1 Sqm	8.5	224.91
29	CON026	3.63825	1000 kg	0	0
30	BRM056	0.81	1 Cum.	1802.83	1460.2923

Total: 540375.80359911