

ESTIMATION DPR							
State	Odisha	District	Gajapati	Block	Gosani	Gram Panchayat	Badagosani

Work Code	OD/353/3357/117438/414724/00013363 (Improvement of Mission Shakti Cafe at Gosani in convergence with MGNREGS)						
Project Category	Building						

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Gosani	Proposal Date	17-02-2024
Date of Commencement	-	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance of Capital Assets
Project Sub-Category	Community Centre	Project Type	Upgradation or Improvement
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	OD/353/3357/117438/414724/00013363/TS
Fund Sanction No.	3811
Fund Sanction Amount (in Rs.)	200000

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	<p>Earth Work (AR0103a1) :.Earthwork in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume within 50m to 75m lead and 1.5m - Earthwork in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume 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 specification approved by the dept.</p>	-	3.174	Cum
2	<p>Masonry Brick Work (AR0603c) :.Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with Flyash Bricks of size (23cm x 11cm 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.</p>	-	6.003	Cum
i)	<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	2401.2	1000 Nos
ii)	<p>BRM340 : Cement</p>	0.672	4.034016	1 Qntl.
iii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.28	1.68084	1 Cum

3	<p>Concrete (AR0318a) :.4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Hand Broken) - 4cm thick grading concrete (1:2:4) on roof slab with 12mm and down grade size hard granite chips (Hand Broken) for old work including hoisting and laying in position, compacting and curing for the proper period with cost conveyance, royalty, taxes of all materials, labor and T&P required for the work etc. complete as per specifaion and direction of Engineer-in charge.</p>	-	75	Sqm
i)	<p>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)</p>	0.018	1.35	1 Cum.
ii)	<p>BRM340 : Cement</p>	0.1287	9.6525	1 Qntl.
iii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.018	1.35	1 Cum
iv)	<p>BRM064 : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.</p>	0.018	1.35	1 Cum.

4	<p>miscellaneous(ARM286) :.Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC -</p> <p>Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.</p>	-	91.5	Sqm
i)	BRM029 : Sand for filling and road blinding	0.05	4.575	1 Cum
ii)	BRMM286 : Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items)	1	91.5	1 Sqm

5	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.	-	26.1	Sqm
i)	BRM340 : Cement	0.0358	0.93438	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.3915	1 Cum
6	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.	-	26.1	Sqm
i)	BRM340 : Cement	0.043	1.1223	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.4698	1 Cum

7	<p>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.</p>	-	15.75	Sqm
i)	<p>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)</p>	1	15.75	1 Sqm.
ii)	<p>BRMMR0027 : Wax Polish</p>	1	15.75	1 Sqm
iii)	<p>BRM340 : Cement</p>	0.1375	2.165625	1 Qntl.
iv)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.015	0.23625	1 Cum

8	<p>Flooring (AR0817ab) :.Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) 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 Coloured /Printed series(Homogeneous) 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.</p>	-		2.4	Sqm
i)	<p>BRM132 : 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 Coloured / Printed series(Homogeneous)</p>	1		2.4	1 Sqm.
ii)	<p>BRMMR0027 : Wax Polish</p>	1		2.4	1 Sqm
iii)	<p>CON026 : cement (Other way)</p>	0.1375		0.33	1000 kg
iv)	<p>BRM340 : Cement</p>	0.1375		0.33	1 Qntl.
v)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.015		0.036	1 Cum
9	<p>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.</p>	-		178	Sqm

i)	BRM255 : Weather Coat (I.S.I.)	0.075	13.35	1 Ltr
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SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM006	2401.2	1000 Nos	5.36398	12879.988776
2	BRM340	18.238821	1 Qntl.	324.872	5925.282255912
3	BRM028	4.16439	1 Cum	417.99	1740.6733761
4	BRM057	1.35	1 Cum.	1426.3	1925.505
5	BRM064	1.35	1 Cum.	1191.31	1608.2685
6	BRM029	4.575	1 Cum	413.05	1889.70375
7	BRMM286	91.5	1 Sqm	485.28	44403.12
8	BRM131	15.75	1 Sqm.	662.3175001	10431.500626575
9	BRMMR0027	18.15	1 Sqm	8.5	154.275
10	BRM132	2.4	1 Sqm.	706.9975001	1696.79400024
11	CON026	0.33	1000 kg	0	0
12	BRM255	13.35	1 Ltr	195.09732	2604.549222
Total: 85259.660506827					