

**ESTIMATION DPR**

<b>State</b>	Odisha	<b>District</b>	Gajapati	<b>Block</b>	Gosani	<b>Panchayat</b>	Tatipetti
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<b>Work Code</b>	OD/353/3357/117456/414692/00013354 (Renovation of Crematorium at Tatipetti)		
<b>Project Category</b>	Building		

<b>Financial Year</b>	2022-23	<b>Execution Level</b>	Tatipetti, G.P
<b>Executing Agency</b>	Panchayat Samiti, Gosani	<b>Proposal Date</b>	22-11-2022
<b>Date of Commencement</b>	-	<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>	GP Facility Centre	<b>Project Type</b>	Renovation or Rejuvenation
<b>Name of Executant</b>			

**Administrative Approval Details**

<b>Approval No.</b>	
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**Technical Sanction Details**

<b>Technical Sanction No.</b>	
<b>Fund Sanction No.</b>	22575
<b>Fund Sanction Amount (in Rs.)</b>	300000

**ACTIVITY STATEMENT**

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p style="text-align: center;"><b>Earth Work (AR0122Ai1) :</b>  <b>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 -</b>  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>	Cum	27.78	229.87334168	6385.8814318704
2	<p style="text-align: center;"><b>Earth Work (AR0115) :</b>  <b>Filling foundation and plinth with sand well watered and rammed -</b> Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	5.445	635.458872	3460.07355804

3	<p><b>Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b> 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	5.445	4813.85186768	26211.423419518
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4	<p><b>R.C.C. Work (AR0402) : Reinforced cement concrete (1:11/2:3) work with 12mm size black hard crusher broken granite chips including hoisting and laying in position compacting(To be used for minor repair work only) -</b>  'Reinforced cement concrete (1:1.5:3) work with 12mm 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge. (To be used for minor repair work only)</p>	Cum	6.013345	6506.06303368	39123.201613264
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5	<p style="text-align: center;"><b>Masonry Brick Work (AR0603b) :</b></p> <p><b>Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth -</b></p> <p>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/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>	Cum	14.3628	4947.320534024	71057.37536608
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6	<b>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 &amp; P required for the work etc comp.and as per direction of Engineer-in-charge.</b>	Sqm	181.8	229.749533456	41768.465182301
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7	<p style="text-align: center;"><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></p> <p>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.</p>	Qntl	5.75	6738.4846195	38746.286562125
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8	<p style="text-align: center;"><b>Painting (AR0901d) :</b>  <b>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>	Sqm	181.8	70.025186666667	12730.578936
9	<p style="text-align: center;"><b>Painting (AR0920) :</b>  <b>Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) -</b>  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)</p>	Sqm	181.8	99.252599	18044.1224982

10	<p style="text-align: center;"><b>Masonry Stone Work (AR0703) : Random rubble H.G. stone of masonry. -</b></p> <p>Random rubble H.G. stone of size not less than 0.0025 cum stacked masonry in cement mortar (1:6) in foundation and plinth including watering, curing for seven days with cost conveyance, royalty,taxes of all materials, labour and T&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	8.780535	4009.8571538992	35208.691084812
<b>Total Amount (in Rs.): 292736.09965221</b>					

### LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<p><b>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 -</b></p> <p>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>	27.78	229.87334168	Cum
i	Un-Skilled	0.503534	13.98817452	-
2	<p><b>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</b></p> <p>Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	5.445	635.458872	Cum
i	Un-Skilled	0.1236	0.673002	-

3	<b>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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</b>	5.445	4813.85186768	Cum
i	Skilled	0.18	0.9801	-
ii	Un-Skilled	3.9	21.2355	-

4	<b>R.C.C. Work (AR0402) :</b> <b>Reinforced cement concrete (1:11/2:3) work with 12mm size black hard crusher broken granite chips including hoisting and laying in position compacting(To be used for minor repair work only) -</b> Reinforced cement concrete (1:1.5:3) work with 12mm 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. (To be used for minor repair work only)	6.013345	6506.06303368	Cum
i	Un-Skilled	4.6	27.661387	-
ii	Skilled	0.68	4.0890746	-

5	<p><b>Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth -</b>          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/cm<sup>2</sup> with dimensional tolerance <math>\pm 8</math> 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>	14.3628	4947.320534024	Cum
i	Un-Skilled	2.96	42.513888	-
ii	Skilled	1.05	15.08094	-
iii	Highly-Skilled	0.35	5.02698	-

6	<b>Plastering (AR1014) : 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.	181.8	229.749533456	Sqm
i	Un-Skilled	0.24	43.632	-
ii	Skilled	0.16	29.088	-

7	<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 - 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.</b>	5.75	6738.4846195	Qntl
i	Un-Skilled	0.8	4.6	-
ii	Highly-Skilled	0.3	1.725	-
iii	Semi-Skilled	0.044	0.253	-

8	<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>	181.8	70.025186666667	Sqm
i	Highly-Skilled	0.053763440860215	9.7741935483871	-
ii	Un-Skilled	0.053763440860215	9.7741935483871	-
9	<p><b>Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) -</b>  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)</p>	181.8	99.252599	Sqm
i	Highly-Skilled	0.054	9.8172	-

	ii	Un-Skilled	0.064	11.6352	-
10		<b>Masonry Stone Work (AR0703) : Random rubble H.G. stone of masonry. -</b> Random rubble H.G. stone of size not less than 0.0025 cum stacked masonry in cement mortar (1:6) in foundation and plinth including watering, curing for seven days 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.	8.780535	4009.8571538992	Cum
	i	Un-Skilled	3.17	27.83429595	-
	ii	Skilled	1.41	12.38055435	-
	iii	Highly-Skilled	0.35	3.07318725	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
2	Un-Skilled	203.54764101839	452	92003.533740311
4	Skilled	61.61866895	552	34013.5052604
5	Highly-Skilled	29.416560798387	602	17708.769600629
3	Semi-Skilled	0.253	502	127.006

**MATERIAL STATEMENT**

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<p><b>Earth Work (AR0122Ai1)</b>  <b>:.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 -</b>            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>	-	27.78	Cum
2	<p><b>Earth Work (AR0115) :.Filling foundation and plinth with sand well watered and rammed -</b> Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	5.445	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	5.445	1 Cum

3	<p><b>Concrete (AR0303)</b>  <b>:.Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b>  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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	<b>5.445</b>	Cum
i)	<b>BRM340</b> : Cement	2.29	12.46905	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	2.6136	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	5.2272	1 Cum.

4	<p><b>R.C.C. Work (AR0402)</b>  <b>:.Reinforced cement concrete (1:11/2:3) work with 12mm size black hard crusher broken granite chips including hoisting and laying in position compacting(To be used for minor repair work only) -</b>  Reinforced cement concrete (1:1.5:3) work with 12mm 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.  (To be used for minor repair work only)</p>	-	<b>6.013345</b>	Cum
i)	<b>BRM340 : Cement</b>	4.29	25.79725005	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.45	2.70600525	1 Cum
iii)	<b>BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve &amp; retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)</b>	0.9	5.4120105	1 Cum.

5	<b>Masonry Brick Work (AR0603b)</b> <b>:.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</b> - 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/cm <sup>2</sup> with dimensional tolerance $\pm 8$ 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.	-	14.3628	Cum
i)	<b>BRM340</b> : Cement	0.672	9.6518016	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	4.021584	1 Cum
iii)	<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 $\pm 2$ %	350	5026.98	1000 Nos

6	<b>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 &amp; P required for the work etc comp.and as per direction of Engineer- in-charge.</b>	-	<b>181.8</b>	Sqm
i)	<b>BRM340 : Cement</b>	0.043	7.8174	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.018	3.2724	1 Cum
7	<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 - 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.</b>	-	<b>5.75</b>	Qntl
i)	<b>BRM162 : Binding Wire.</b>	0.8	4.6	1 Kg.
ii)	<b>BRM341 : Steel</b>	1.05	6.0375	1 Qntl.

8	<p><b>Painting(AR0901d)</b>  <b>::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>	-	181.8	Sqm
i)	<p><b>BRM253 : Wall cement primer (I.S.I.) Water bound</b></p>	0.084	15.2712	1 Ltr
9	<p><b>Painting(AR0920)</b>  <b>::Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) -</b>  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)</p>	-	181.8	Sqm
i)	<p><b>BRM140 : Plastic Emulsion paint</b></p>	0.125	22.725	1 Litre

10	<b>Masonry Stone Work (AR0703) :.Random rubble H.G. stone of masonry. - Random rubble H.G. stone of size not less than 0.0025 cum stacked masonry in cement mortar (1:6) in foundation and plinth including watering, curing for seven days with cost conveyance, royalty,taxes of all materials, labour and T&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</b>	-	<b>8.780535</b>	Cum
i)	<b>BRM340 : Cement</b>	0.8151	7.1570140785	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.34	2.9853819	1 Cum
iii)	<b>BRM034 : Granite broken stone of size not less than 0.0025 Cum. Stacked</b>	1	8.780535	1 Cum.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	5.445	1 Cum	413.05	2249.05725
2	<b>BRM340</b>	62.8925157285	1 Qntl.	339.14	21329.367784163
3	<b>BRM028</b>	15.59897115	1 Cum	417.99	6520.2139509885
4	<b>BRM044</b>	5.2272	1 Cum.	1401.46	7325.711712
5	<b>BRM056</b>	5.4120105	1 Cum.	1802.83	9756.934889715
6	<b>BRM005</b>	5026.98	1000 Nos	6.5073	32712.066954
7	<b>BRM162</b>	4.6	1 Kg.	90.1	414.46
8	<b>BRM341</b>	6.0375	1 Qntl.	4878.05	29451.226875
9	<b>BRM253</b>	15.2712	1 Ltr	159.03	2428.578936
10	<b>BRM140</b>	22.725	1 Litre	249.79	5676.47775
11	<b>BRM034</b>	8.780535	1 Cum.	698.17	6130.30612095
<b>Total: 123994.40222282</b>					

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	5.445	1 Cum	160.25	872.56125
2	<b>BRM028</b>	15.59897115	1 Cum	279.25	4356.0126936375
3	<b>BRM044</b>	5.2272	1 Cum.	269.5	1408.7304
4	<b>BRM056</b>	5.4120105	1 Cum.	269.5	1458.53682975
5	<b>BRM005</b>	5026.98	1000 Nos	0.04025	202.335945
6	<b>BRM034</b>	8.780535	1 Cum.	269.5	2366.3541825
<b>Total: 10664.531300887</b>					

### **ADDITION COMPONENT**

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 2927.3609965221
2	Display Citizen Board @ Rs. 4000	Rs. 4000
<b>Total Addition Component Amount (in Rs.): 6927.3609965221</b>		

**Total Net Amount (in Rs.): 299663.46064873**