

## ESTIMATION DPR

<b>State</b>	Odisha	<b>District</b>	Puri	<b>Block</b>	Sadar	<b>Gram Panchayat</b>	Baligualli
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<b>Work Code</b>	OD/369/3545/121058/409910/00070395 (Construction of gopalji Natya sansada community center,baligualli Gp.)
<b>Project Category</b>	Building

<b>Financial Year</b>	2024-25	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Sadar	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	-	<b>Date of Completion</b>	
<b>Scheme Name</b>	Bikashita Gaon Bikashita Odisha	<b>Scheme Component Name</b>	Viksit Gaon Vikshit Odisha (VGVO)
<b>Project Sub-Category</b>	Community Centre	<b>Project Type</b>	New Work
<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>	3221
<b>Fund Sanction Amount (in Rs.)</b>	421596

**ACTIVITY STATEMENT**

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p align="center"><b>R.C.C. Work (AR0404A)</b></p> <p><b>: First floor -</b> Reinforced cement concrete work of M-20 grade with 20mm &amp; 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)</p>	Cum	8.6018525	6213.0601100138	53443.826639972
2	<p align="center"><b>R.C.C. Work (AR0409) :</b></p> <p><b>First floor -</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.</p>	Qntl	8.13	7980.0977185	64878.194451405

3	<p align="center"><b>R.C.C.</b>  <b>Work (AR0410d) :</b>  <b>First floor - Rigid</b>  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, girder and bressmer, etc.  Data for 4.2sqm</p>	Sqm	13.98325	1256.858751656	17574.970139094
4	<p align="center"><b>R.C.C.</b>  <b>Work (AR0410e) :</b>  <b>First floor - Rigid</b>  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</p>	Sqm	3.894	598.98320701754	2332.4406081263
5	<p align="center"><b>R.C.C.</b>  <b>Work (AR0410b) :</b>  <b>First floor - Rigid</b>  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. stairs excluding landing but including railing details for 5 Sqm</p>	Sqm	5.75	1102.0046377272	6336.5266669314

6	<p align="center"><b>R.C.C. Work (AR0410a) :</b></p> <p><b>First floor - Rigid</b> 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</p>	Sqm	48.3887	795.2279320416	38480.045835181
7	<p align="center"><b>Masonry Brick Work (AR0603ci) :</b></p> <p><b>First floor - Brickwork</b> 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/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	21.2435775	5364.290082192	113956.71209353

8	<p><b>Plastering (AR1004) : First Floor</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 &amp; P required for the work etc. comp.and as per direction of Engineer-in-charge.</p>	Sqm	161.615	172.2117123388	27831.995889635
9	<p><b>Plastering (AR1014) : First Floor</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 &amp; P required for the work etc comp.and as per direction of Engineer-in-charge.</p>	Sqm	98.809	248.144455598	24518.905513183

10	<p><b>Plastering (AR1027) : First Floor</b> - 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 &amp; P required for the work, etc comp. and as per the direction of the Engineer-in-charge.</p>	Sqm	54.3837	193.5077300392	10523.666338133
11	<p><b>Painting (AR0901d) : First Floor</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	153.19	73.582069974671	11272.03729942
12	<p><b>Painting (AR0920) : First Floor</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	153.19	96.6498933875	14805.797168031

13	<p align="center"><b>Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer - Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)</b></p>	Sqm	161.62	160.71529806685	25974.806473564
<b>Total Amount (in Rs.): 411929.9251162</b>					

### LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<p><b>R.C.C. Work (AR0404A) : First floor</b>            - Reinforced cement concrete work of M-20 grade with 20mm &amp; 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)</p>	-	8.6018525	Cum
i	Un-Skilled	1.533295	13.189177428987	-
ii	Skilled	0.115	0.9892130375	-

	iii	Semi-Skilled	0.065895	0.5668190704875	-
2		<b>R.C.C. Work (AR0409) : First floor -</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.	-	8.13	Qntl
	i	Un-Skilled	0.84	6.8292	-
	ii	Highly-Skilled	0.315	2.56095	-
	iii	Semi-Skilled	0.0462	0.375606	-
3		<b>R.C.C. Work (AR0410d) : First floor</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	-	13.98325	Sqm
	i	Semi-Skilled	0.78571428571429	10.986839285714	-
	ii	Skilled	0.78571428571429	10.986839285714	-

4	<b>R.C.C. Work (AR0410e) : First floor</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. Lintels Data for 7.8 sqm	-	3.894	Sqm
i	Semi-Skilled	0.19230769230769	0.74884615384615	-
ii	Skilled	0.19230769230769	0.74884615384615	-
5	<b>R.C.C. Work (AR0410b) : First floor</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. stairs excluding landing but including railing details for 5 Sqm	-	5.75	Sqm
i	Semi-Skilled	0.66	3.795	-
ii	Skilled	0.66	3.795	-

6	<p><b>R.C.C. Work (AR0410a) : First floor</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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height</p>	-	48.3887	Sqm
i	Semi-Skilled	0.366666666666667	17.7425233333333	-
ii	Skilled	0.366666666666667	17.7425233333333	-
7	<p><b>Masonry Brick Work (AR0603ci) : First floor</b> - 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/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>	-	21.2435775	Cum
i	Un-Skilled	3.404	72.31313781	-
ii	Skilled	1.2075	25.65161983125	-
iii	Highly-Skilled	0.4025	8.55053994375	-

8	<b>Plastering (AR1004) :</b> <b>First Floor</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.	-	161.615	Sqm
i	Un-Skilled	0.1236	19.975614	-
ii	Skilled	0.1442	23.304883	-
9	<b>Plastering (AR1014) :</b> <b>First Floor</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.	-	98.809	Sqm
i	Un-Skilled	0.2472	24.4255848	-
ii	Skilled	0.1648	16.2837232	-

10	<b>Plastering (AR1027) : First Floor -</b> 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.	-	54.3837	Sqm
i	Un-Skilled	0.1751	9.52258587	-
ii	Skilled	0.1442	7.84212954	-
11	<b>Painting (AR0901d) : First Floor -</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&P required for the work complete as per direction of the Engineer-in-charge.	-	153.19	Sqm
i	Highly-Skilled	0.055376344086022	8.4831021505376	-
ii	Un-Skilled	0.055376344086022	8.4831021505376	-

12	<b>Painting (AR0920) : First Floor -</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)	-	153.19	Sqm
i	Highly-Skilled	0.05562	8.5204278	-
ii	Un-Skilled	0.06592	10.0982848	-
13	<b>Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer -</b> Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	161.62	Sqm
i	Un-Skilled	0.11776344086022	19.032927311828	-
ii	Highly-Skilled	0.10776344086022	17.416727311828	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	183.86961417135	462	84947.761747165
2	Skilled	107.34477738164	562	60327.764888484

3	Semi-Skilled	34.215633843381	512	17518.404527811
4	Highly-Skilled	45.531747206116	612	27865.429290143
				<b>Total: 190659.3604536</b>

## MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>R.C.C. Work (AR0404A) :.First floor</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>8.6018525</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	29.87681428825	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	3.870833625	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	3.0966669	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	4.64500035	1 Cum.

2	<b>R.C.C. Work (AR0409) :.First floor -</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.	-	8.13	Qntl
i)	<b>BRM162</b> : Binding Wire.	0.8	6.504	1 Kg.
ii)	<b>BRM341</b> : Steel	1.05	8.5365	1 Qntl.
3	<b>R.C.C. Work (AR0410d) :.First floor -</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	-	13.98325	Sqm
i)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.66285714285714	9.2688971428571	1Mtr
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0062285714285714	0.087095671428571	1Cum.
4	<b>R.C.C. Work (AR0410e) :.First floor -</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. Lintels Data for 7.8 sqm	-	3.894	Sqm
i)	<b>BRM094</b> : Non-sal bullahs 125mm. mean dia of any length.	0.32307692307692	1.2580615384615	1Mtr.
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0063538461538462	0.024741876923077	1Cum.

5	<b>R.C.C. Work (AR0410b) :.First floor</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. stairs excluding landing but including railing details for 5 Sqm	-	5.75	Sqm
i)	<b>BRM094</b> : Non-sal bullahs 125mm. mean dia of any length.	0.156	0.897	1Mtr.
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.006408	0.036846	1Cum.
6	<b>R.C.C. Work (AR0410a) :.First floor</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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height	-	48.3887	Sqm
i)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.746666666666667	36.1302293333333	1Mtr
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00602666666666667	0.291622565333333	1Cum.

7	<b>Masonry Brick Work (AR0603ci) :.First floor</b> - 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/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&P required for the work, etc. complete and as per direction of Engineer-in-charge.	-	21.2435775	Cum
i)	<b>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</b>	1	21.2435775	1 Cum
ii)	<b>BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm<sup>2</sup> with dimensional tolerance ± 2 %</b>	400	8497.431	1000 Nos
iii)	<b>BRM340 : Cement</b>	0.672	14.27568408	1 Qntl.
iv)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.28	5.9482017	1 Cum
8	<b>Plastering (AR1004) :.First Floor</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.	-	161.615	Sqm
i)	<b>BRM340 : Cement</b>	0.0358	5.785817	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.015	2.424225	1 Cum

9	<b>Plastering (AR1014)</b> :.First Floor - 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>98.809</b>	Sqm
i)	<b>BRM340</b> : Cement	0.043	4.248787	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	1.778562	1 Cum
10	<b>Plastering (AR1027)</b> :.First Floor - 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.	-	<b>54.3837</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0372	2.02307364	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0075	0.40787775	1 Cum
11	<b>Painting(AR0901d)</b> :.First Floor - 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&P required for the work complete as per direction of the Engineer-in-charge.	-	<b>153.19</b>	Sqm
i)	<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.084	12.86796	1 Ltr

12	<b>Painting(AR0920) :.First Floor -</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)	-	153.19	Sqm
i)	<b>BRM140</b> : Plastic Emulsion paint	0.125	19.14875	1 Litre
13	<b>Painting(AR0918cb) :.Finishing wall two coats with weather coat with one coat waterbound Primer -</b> Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	161.62	Sqm
i)	<b>BRM255</b> : Weather Coat (I.S.I.)	0.125	20.2025	1 Ltr
ii)	<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.090322580645161	14.597935483871	1 Ltr

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM340</b>	56.21017600825	1 Qntl.	595.407	33467.932266544
2	<b>BRM028</b>	14.429700075	1 Cum	416.11	6004.3424982083
3	<b>BRM060</b>	3.0966669	1 Cum.	2436.98	7546.515301962
4	<b>BRM052</b>	4.64500035	1 Cum.	2400.6	11150.78784021
5	<b>BRM162</b>	6.504	1 Kg.	90.1	586.0104
6	<b>BRM341</b>	8.5365	1 Qntl.	5834.687	49807.8055755
7	<b>BRM084</b>	45.39912647619	1Mtr	250.166	11357.317874043
8	<b>BRM104</b>	0.44030611368498	1Cum.	58573.086	25790.087863196
9	<b>BRM094</b>	2.1550615384615	1Mtr.	240.106	517.44320575385
10	<b>BRMMR0025</b>	21.2435775	1 Cum	33	701.0380575
11	<b>BRM006</b>	8497.431	1000 Nos	5.434672	46180.750327632
12	<b>BRM253</b>	27.465895483871	1 Ltr	159.27787	4374.7093303136

13	<b>BRM140</b>	19.14875	1 Litre	249.58787	4779.2957256625
14	<b>BRM255</b>	20.2025	1 Ltr	195.03787	3940.252568675
<b>Total: 206204.2888352</b>					

### ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM028</b>	14.429700075	1 Cum	75.25	1085.8349306438
2	<b>BRM060</b>	3.0966669	1 Cum.	170.5	527.98170645
3	<b>BRM052</b>	4.64500035	1 Cum.	170.5	791.972559675
<b>Total: 2405.7891967688</b>					

### ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for EI Work @ Rs. 2000	Rs. 2000
2	Provision for Contingency @ Rs. 4215	Rs. 4215
3	Display Citizen Board @ Rs. 1500	Rs. 1500
4	Any Other Lumpsum @ Rs. 1500	Rs. 1500
<b>Total Addition Component Amount (in Rs.): 9215</b>		

**Total Net Amount (in Rs.): 421144.9251162**