

ESTIMATION DPR							
State	Odisha	District	Puri	Block	Gop	Gram Panchayat	Bodapur

Work Code	OD/369/3539/120934/409426/00066878 (Renovation of Vivekananda Kotha Ghar boundary wall and its electrification)						
Project Category	Building						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Gop	Proposal Date	31-05-2025
Date of Commencement	-	Date of Completion	
Scheme Name	Bikashita Gaon Bikashita Odisha	Scheme Component Name	Viksit Gaon Vikshit Odisha (VGVO)
Project Sub-Category	Community Centre	Project Type	Renovation or Rejuvenation
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	37546340
Fund Sanction Amount (in Rs.)	375463.4

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;">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</p>	Cum	87.066	240.77592	20963.39625072
2	<p style="text-align: center;">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.</p>	Cum	3.954	907.508432	3588.288340128

3	<p style="text-align: center;">Concrete (AR0304a) : Cement concrete (1:4:8) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:4:8) with 4 cm. hard granite(Hand 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.</p>	Cum	1.458	5771.47349392	8414.8083541354
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4	<p style="text-align: center;">R.C.C. Work (AR0404A) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips -</p> <p>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)</p>	Cum	8.416	6562.5730728988	55230.614981516
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5	<p style="text-align: center;">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.</p>	Qntl	7.46	7957.328127	59361.66782742
6	<p style="text-align: center;">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</p>	Sqm	35	216.39264180804	7573.7424632814

7	<p style="text-align: center;">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 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	27	1047.9038224181	28293.403205289
8	<p style="text-align: center;">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>	Cum	5.9696	5308.978886592	31692.4803614

9	<p style="text-align: center;">Masonry</p> <p>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>	Cum	17.55	5342.308886592	93757.52095969
10	<p>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.</p>	Sqm	179.4	173.8859196488	31195.133984995

11	<p style="text-align: center;">Painting (AR0901ci) : Priming one coat with outer surface primer of approved quality oil-bound primer over plastering surfaces(Outer surface) - Priming one coat with outer surface primer of approved quality oil-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>	Sqm	210	68.99284786751	14488.498052177
12	<p style="text-align: center;">Painting (AR0918c) : Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work (Outside) - Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)</p>	Sqm	210	57.934081689634	12166.157154823
Total Amount (in Rs.): 366725.71193557					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<p>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift -</p> <p>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</p>	-	87.066	Cum
i	Un-Skilled	0.516	44.926056	-
2	<p>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</p> <p>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.</p>	-	3.954	Cum
i	Un-Skilled	0.1236	0.4887144	-

3	<p>Concrete (AR0304a) : Cement concrete (1:4:8) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:4:8) with 4 cm. hard granite(Hand 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.</p>	-	1.458	Cum
i	Un-Skilled	3.9	5.6862	-
ii	Skilled	0.18	0.26244	-
4	<p>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)</p>	-	8.416	Cum

	i	Un-Skilled	1.3333	11.2210528	-
	ii	Skilled	0.1	0.8416	-
	iii	Semi-Skilled	0.0573	0.4822368	-
5		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.	-	7.46	Qntl
	i	Un-Skilled	0.8	5.968	-
	ii	Highly-Skilled	0.3	2.238	-
	iii	Semi-Skilled	0.044	0.32824	-

6	<p>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</p>	-	35	Sqm
i	Semi-Skilled	0.05	1.75	-
ii	Skilled	0.05	1.75	-
7	<p>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 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>	-	27	Sqm
i	Semi-Skilled	0.6547619047619	17.678571428571	-
ii	Skilled	0.6547619047619	17.678571428571	-

8	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/cm ² 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.	-	5.9696	Cum
i	Un-Skilled	2.96	17.670016	-
ii	Skilled	1.05	6.26808	-
iii	Highly-Skilled	0.35	2.08936	-

9	<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>	-	17.55	Cum
i	Un-Skilled	2.96	51.948	-
ii	Skilled	1.05	18.4275	-
iii	Highly-Skilled	0.35	6.1425	-
10	<p>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.</p>	-	179.4	Sqm
i	Un-Skilled	0.12	21.528	-

	ii	Skilled	0.14	25.116	-
11		Painting (AR0901ci) : Priming one coat with outer surface primer of approved quality oil-bound primer over plastering surfaces(Outer surface) - Priming one coat with outer surface primer of approved quality oil-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.	-	210	Sqm
	i	Highly-Skilled	0.053763440860215	11.290322580645	-
	ii	Un-Skilled	0.053763440860215	11.290322580645	-
12		Painting (AR0918c) : Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work (Outside) - Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)	-	210	Sqm
	i	Un-Skilled	0.042752688172043	8.978064516129	-

ii	Highly-Skilled	0.022	4.62	-
iii	Skilled	0.0080645161290323	1.6935483870968	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	179.70442629677	462	83023.44494911
2	Skilled	72.037739815668	562	40485.209776406
3	Semi-Skilled	20.239048228571	512	10362.392693029
4	Highly-Skilled	26.380182580645	612	16144.671739355
Total: 150015.7191579				

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	-	87.066	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.	-	3.954	Cum
i)	BRM029 : Sand for filling and road blinding	1	3.954	1 Cum
3	Concrete (AR0304a) :.Cement concrete (1:4:8) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:4:8) with 4 cm. hard granite(Hand 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.	-	1.458	Cum
i)	BRM340 : Cement	1.72	2.50776	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	0.69984	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	1.39968	1 Cum.

4	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)	-	8.416	Cum
i)	BRM340 : Cement	3.4733	29.2312928	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.7872	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	3.02976	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	4.54464	1 Cum.

5	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.	-	7.46	Qntl
i)	BRM162 : Binding Wire.	0.8	5.968	1 Kg.
ii)	BRM341 : Steel	1.05	7.833	1 Qntl.
6	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	-	35	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.09345	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	4.41	1Mtr.

7	<p>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</p>	-	27	Sqm
i)	<p>BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.</p>	0.55238095238095	14.914285714286	1Mtr
ii)	<p>BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)</p>	0.0051904761904762	0.14014285714286	1Cum.
8	<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>	-	5.9696	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	2387.84	1000 Nos
ii)	<p>BRM340 : Cement</p>	0.672	4.0115712	1 Qntl.

iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	1.671488	1 Cum
9	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/cm ² 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.	-	17.55	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	17.55	1 Cum
ii)	BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance ± 2 %	400	7020	1000 Nos
iii)	BRM340 : Cement	0.672	11.7936	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.28	4.914	1 Cum

10	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.	-	179.4	Sqm
i)	BRM340 : Cement	0.0358	6.42252	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	2.691	1 Cum
11	Painting(AR0901ci) :.Priming one coat with outer surface primer of approved quality oil-bound primer over plastering surfaces(Outer surface) - Priming one coat with outer surface primer of approved quality oil-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.	-	210	Sqm
i)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	17.64	1 Ltr

12	Painting(AR0918c) :.Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work (Outside) - Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)	-	210	Sqm
i)	BRM143 : Cement paint	0.25	52.5	1 Kg.
ii)	BRM340 : Cement	0.010763440860215	2.2603225806452	1 Qntl.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	3.954	1 Cum	766.17	3029.43618
2	BRM340	56.227066580645	1 Qntl.	601.352	33812.258942404
3	BRM028	13.763528	1 Cum	780.67	10744.77340376
4	BRM045	1.39968	1 Cum.	1971.27	2759.1471936
5	BRM060	3.02976	1 Cum.	2581.58	7821.5678208
6	BRM052	4.54464	1 Cum.	2566.2	11662.455168
7	BRM162	5.968	1 Kg.	90.1	537.7168
8	BRM341	7.833	1 Qntl.	5840.632	45749.670456
9	BRM104	0.23359285714286	1Cum.	58620.646	13693.3641867
10	BRM092	4.41	1Mtr.	276.666	1220.09706
11	BRM084	14.914285714286	1Mtr	297.726	4440.3706285714
12	BRM006	9407.84	1000 Nos	5.929516	55783.93780544
13	BRMMR0025	17.55	1 Cum	33	579.15
14	BRM252	17.64	1 Ltr	125.80732	2219.2411248
15	BRM143	52.5	1 Kg.	48.13732	2527.2093
Total: 196580.39607008					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
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1	BRM029	3.954	1 Cum	75.25	297.5385
2	BRM028	13.763528	1 Cum	75.25	1035.705482
3	BRM045	1.39968	1 Cum.	309.5	433.20096
4	BRM060	3.02976	1 Cum.	309.5	937.71072
5	BRM052	4.54464	1 Cum.	309.5	1406.56608
Total: 4110.721742					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 3755	Rs. 3755
2	Display Citizen Board @ Rs. 4982.68	Rs. 4982.68
Total Addition Component Amount (in Rs.): 8737.68		

Total Net Amount (in Rs.): 375463.39193557