

ESTIMATION DPR							
State	Odisha	District	Angul	Block	Talacher	Gram Panchayat	Gurujanga

Work Code	OD/344/3283/115747/403921/00066661 (const of vss building at Gurujang)						
Project Category	Building						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Talacher	Proposal Date	-
Date of Commencement	-	Date of Completion	
Scheme Name	Construction of Vana Suraksha Samiti Building	Scheme Component Name	Construction of Buildings for Vana Suraksha Samiti
Project Sub-Category	Vana Suraksha Samiti Building	Project Type	New Work
Name of Executant			

### Administrative Approval Details

Approval No.	
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### Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	850000

### 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 (AR0102aa)</b>  <b>: Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b>  Earth work in hard soil or gravelly soil foundation &amp; 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	27.882	240.77592	6713.31420144
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	17.5825	887.389232	15602.52117164

3	<p style="text-align: center;"><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>	Cum	7.313	5895.87751288	43116.552251691
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4	<p style="text-align: center;"><b>Masonry</b></p> <p><b>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 ±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	12.232125	5096.858241384	62345.407115889
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5	<p style="text-align: center;"><b>Masonry</b></p> <p><b>Brick Work (AR0603bi) :</b>  <b>Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure -</b>  Brickwork with Flyash Bricks of size (25cm x 12cm 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	17.008125	5130.188241384	87254.882882989
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6	<p style="text-align: center;"><b>R.C.C. Work (AR0404A)</b> : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips - 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	18.96468125	6033.9686354776	114432.29184433
7	<p style="text-align: center;"><b>R.C.C. Work (AR0410c) :</b> <b>R.C.C. foundation</b> <b>, plinth band and</b> <b>footings bases of</b> <b>columns mass</b> <b>concrete precast</b> <b>slabs etc</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. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc</p>	Sqm	52.395	216.23489289764	11329.627213372

8	<p style="text-align: center;"><b>R.C.C. Work (AR0410e) :</b>  <b>Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting -</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</p>	Sqm	9.225	499.15267251462	4604.6834039474
9	<p style="text-align: center;"><b>R.C.C. Work (AR0410d) :</b>  <b>Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting -</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</p>	Sqm	35.535	1047.3822930467	37218.729783414

10	<p><b>R.C.C. Work (AR0410a) : Centring &amp; Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas - 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</b></p>	Sqm	67.07	662.689943368	44446.614501692
11	<p><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></p>	Qntl	16.67	8640.6246087	144039.21222703

12	<p><b>Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside</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	106.22625	171.3068289776	18197.282041682
13	<p><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 &amp; P required for the work etc comp.and as per direction of Engineer-in-charge.</p>	Sqm	106.40875	245.848816296	26160.465231037

14	<p style="text-align: center;"><b>Flooring (AR0817aa) :</b>  <b>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) -</b>          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>	Sqm	34.0525	1525.184426001	51936.342666399
15	<p style="text-align: center;"><b>Painting (AR0918ca) :</b>  <b>Finishing wall two coats with weather coat with one coat oilbound Primer -</b> Finishing wall surface two coats with weather coat with one coat oilbound 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)</p>	Sqm	149.786	156.86604451751	23496.3373441

16	<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	106.408	94.76013415	10083.236354633
17	<p style="text-align: center;"><b>Painting (AR0902a) :</b>  <b>Painting one coat of enamel paint with a coat of wood primer on new wood work in inner surface (inside) -</b> Painting one coat of enamel paint with a coat of wood primer on new wood work in inner surface including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(inside).</p>	Sqm	29.210625	176.65895462516	5160.3184764476

18	<p style="text-align: center;"><b>Iron Work (AR1704) : Iron Doors and windows fixing -</b> Supplying, fitting &amp; fixing of Mild steel and put up for frames &amp; shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T &amp; P required for the work etc. as per direction of Engineer-in-charge.</p>	Qntl	3.803625	15973.330001087	60756.557325385
19	<p style="text-align: center;"><b>Flooring (AR0817b) : Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) -</b> Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.</p>	Sqm	13.545	872.269926001	11814.896147684

20	<p><b>Masonry Brick Work (AR0603bi) : First floor</b> - Brickwork with Flyash Bricks of size (25cm x 12cm 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	5.445	5459.218971384	29725.447299186
21	<p><b>Plastering (AR1004) : First Floor</b> - 12mm thick cement plster (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	43.56	175.3706649776	7639.1461664243
<b>Total Amount (in Rs.): 816073.86565041</b>					

## LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<p><b>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b>  Earth work in hard soil or gravelly soil foundation &amp; 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>	-	27.882	Cum
i	Un-Skilled	0.516	14.387112	-
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>	-	17.5825	Cum
i	Un-Skilled	0.1236	2.173197	-

3	<p><b>Concrete (AR0303) :</b>  <b>Cement concrete (1:3:6) with 4 cm.</b>  <b>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>	-	7.313	Cum
i	Skilled	0.18	1.31634	-
ii	Un-Skilled	3.9	28.5207	-
4	<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 ±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>	-	12.232125	Cum
i	Un-Skilled	2.96	36.20709	-

	ii	Skilled	1.05	12.84373125	-
	iii	Highly-Skilled	0.35	4.28124375	-
5		<b>Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure -</b> Brickwork with Flyash Bricks of size (25cm x 12cm 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.	-	17.008125	Cum
	i	Un-Skilled	2.96	50.34405	-
	ii	Skilled	1.05	17.85853125	-
	iii	Highly-Skilled	0.35	5.95284375	-

6	<b>R.C.C. Work (AR0404A) :</b> <b>Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</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)	-	18.96468125	Cum
i	Un-Skilled	1.3333	25.285609510625	-
ii	Skilled	0.1	1.896468125	-
iii	Semi-Skilled	0.0573	1.086676235625	-

7	<p><b>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</b></p>	-	52.395	Sqm
i	Semi-Skilled	0.05	2.61975	-
ii	Skilled	0.05	2.61975	-
8	<p><b>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</b></p>	-	9.225	Sqm
i	Semi-Skilled	0.16025641025641	1.4783653846154	-
ii	Skilled	0.16025641025641	1.4783653846154	-

9	<b>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, grider and bressmer, etc. Data for 4.2sqm</b>	-	35.535	Sqm
i	Semi-Skilled	0.6547619047619	23.266964285714	-
ii	Skilled	0.6547619047619	23.266964285714	-
10	<b>R.C.C. Work (AR0410a) : Centring &amp; Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas - 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</b>	-	67.07	Sqm
i	Semi-Skilled	0.305555555555556	20.4936111111111	-
ii	Skilled	0.305555555555556	20.4936111111111	-

11	<p><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>  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>	-	16.67	Qntl
i	Un-Skilled	0.8	13.336	-
ii	Highly-Skilled	0.3	5.001	-
iii	Semi-Skilled	0.044	0.73348	-
12	<p><b>Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside -</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>	-	106.22625	Sqm
i	Un-Skilled	0.12	12.74715	-

	ii	Skilled	0.14	14.871675	-
13		<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.	-	106.40875	Sqm
	i	Un-Skilled	0.24	25.5381	-
	ii	Skilled	0.16	17.0254	-

14	<p><b>Flooring (AR0817aa)</b>  <b>: 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) -</b>          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>	-	34.0525	Sqm
i	Highly-Skilled	0.325	11.0670625	-
ii	Un-Skilled	0.325	11.0670625	-
iii	Semi-Skilled	0.76	25.8799	-
15	<p><b>Painting (AR0918ca) :</b>  <b>Finishing wall two coats with weather coat with one coat oilbound Primer -</b>          Finishing wall surface two coats with weather coat with one coat oilbound 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)</p>	-	149.786	Sqm

	i	Un-Skilled	0.11776344086022	17.639314752688	-
	ii	Highly-Skilled	0.10776344086022	16.141454752688	-
16		<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)	-	106.408	Sqm
	i	Highly-Skilled	0.054	5.746032	-
	ii	Un-Skilled	0.064	6.810112	-
17		<b>Painting (AR0902a) : Painting one coat of enamel paint with a coat of wood primer on new wood work in inner surface (inside)</b> - Painting one coat of enamel paint with a coat of wood primer on new wood work in inner surface including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(inside).	-	29.210625	Sqm
	i	Un-Skilled	0.14193548387097	4.1460241935484	-

	ii	Highly-Skilled	0.13440860215054	3.9261592741935	-
18		<b>Iron Work (AR1704) : Iron Doors and windows fixing -</b> 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.	-	3.803625	Qntl
	i	Un-Skilled	6.3976377952756	24.334215059055	-
	ii	Semi-Skilled	1.9685039370079	7.4874507874016	-
	iii	Skilled	3.9370078740157	14.974901574803	-
	iv	Highly-Skilled	3.4448818897638	13.103038877953	-

19	<p><b>Flooring (AR0817b) :</b>  <b>Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) -</b> Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.</p>	-	13.545	Sqm
i	Un-Skilled	0.325	4.402125	-
ii	Highly-Skilled	0.325	4.402125	-
20	<p><b>Masonry Brick Work (AR0603bi) : First floor -</b> Brickwork with Flyash Bricks of size (25cm x 12cm 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>	-	5.445	Cum

	i	Un-Skilled	3.404	18.53478	-
	ii	Skilled	1.2075	6.5748375	-
	iii	Highly-Skilled	0.4025	2.1916125	-
21		<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.	-	43.56	Sqm
	i	Un-Skilled	0.1236	5.384016	-
	ii	Skilled	0.1442	6.281352	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	300.85665801592	462	138995.77600335
2	Skilled	141.50192748124	562	79524.083244459
3	Highly-Skilled	71.812572404834	612	43949.294311759
4	Semi-Skilled	83.046197804467	512	42519.653275887
<b>Total:</b>				<b>304988.80683546</b>

## MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b> 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	-	<b>27.882</b>	Cum
2	<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 & P required for the work etc. complete and as per direction of Engineer-in charge.	-	<b>17.5825</b>	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	17.5825	1 Cum
3	<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&P required for the work etc. complete and as per direction of Engineer-in charge.	-	<b>7.313</b>	Cum
i)	<b>BRM340</b> : Cement	2.29	16.74677	1 Qntl.

ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	3.51024	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	7.02048	1 Cum.
4	<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 $\pm 8$ 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.	-	<b>12.232125</b>	Cum
i)	<b>BRM340</b> : Cement	0.672	8.219988	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	3.424995	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	4281.24375	1000 Nos

5	<p><b>Masonry Brick Work (AR0603bi) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure -</b>  Brickwork with Flyash Bricks of size (25cm x 12cm 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>	-	17.008125	Cum
i)	<p><b>BRMMR0025 :</b>  SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</p>	1	17.008125	1 Cum
ii)	<p><b>BRM340 :</b> Cement</p>	0.672	11.42946	1 Qntl.
iii)	<p><b>BRM028 :</b> Screened and washed sharp sand for mortar</p>	0.28	4.762275	1 Cum
iv)	<p><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 ± 2 %</p>	350	5952.84375	1000 Nos

6	<b>R.C.C. Work (AR0404A)</b> <b>:.Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</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>18.96468125</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	65.870027385625	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	8.5341065625	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	6.82728525	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	10.240927875	1 Cum.

7	<b>R.C.C. Work (AR0410c) :.R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc -</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. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc	-	52.395	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.13989465	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	6.60177	1Mtr.
8	<b>R.C.C. Work (AR0410e) :.Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting -</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	-	9.225	Sqm
i)	<b>BRM094</b> : Non-sal bullahs 125mm. mean dia of any length.	0.26923076923077	2.4836538461538	1Mtr.
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.048845192307692	1Cum.

9	<b>R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting</b> - 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	-	<b>35.535</b>	Sqm
i)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	19.628857142857	1Mtr
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.18444357142857	1Cum.
10	<b>R.C.C. Work (AR0410a) : Centring &amp; Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas</b> - 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	-	<b>67.07</b>	Sqm
i)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.622222222222222	41.7324444444444	1Mtr
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0050222222222222	0.336840444444444	1Cum.

11	<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> 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>16.67</b>	Qntl
i)	<b>BRM162</b> : Binding Wire.	0.8	13.336	1 Kg.
ii)	<b>BRM341</b> : Steel	1.05	17.5035	1 Qntl.
12	<b>Plastering (AR1004) :.12mm thick cement plaster (1:6) over Brick work in inside -</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.	-	<b>106.22625</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0358	3.80289975	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	1.59339375	1 Cum

13	<b>Plastering (AR1014)</b> :.16mm thick cement <b>Plaster in CM (1:6)</b> <b>over brick work in</b> <b>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.	-	<b>106.40875</b>	Sqm
i)	<b>BRM340</b> : Cement	0.043	4.57557625	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	1.9153575	1 Cum
14	<b>Flooring (AR0817aa)</b> :.Fixing <b>Vitrified tiles</b> <b>of premium grade</b> <b>having thickness</b> <b>8mm to 10mm</b> <b>confirming to IS</b> <b>13756 of size</b> <b>600mmx600mm plain</b> <b>(Ivory) in dados</b> <b>skirting and risers of</b> <b>steps on 12mm thick</b> <b>cement plaster (1:3)</b> - 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.	-	<b>34.0525</b>	Sqm
i)	<b>BRM131</b> : 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	34.0525	1 Sqm.
ii)	<b>BRMMR0027</b> : Wax Polish	1	34.0525	1 Sqm

iii)	<b>BRM340 : Cement</b>	0.1375	4.68221875	1 Qntl.
iv)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.015	0.5107875	1 Cum
15	<b>Painting(AR0918ca) :.Finishing wall two coats with weather coat with one coat oilbound Primer -</b> Finishing wall surface two coats with weather coat with one coat oilbound 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>149.786</b>	Sqm
i)	<b>BRM255 : Weather Coat (I.S.I.)</b>	0.125	18.72325	1 Ltr
ii)	<b>BRM252 : Wall cement primer (I.S.I.) Oil bound</b>	0.084	12.582024	1 Ltr
16	<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)	-	<b>106.408</b>	Sqm
i)	<b>BRM140 : Plastic Emulsion paint</b>	0.125	13.301	1 Litre

17	<b>Painting(AR0902a)</b> <b>:.Painting one coat of enamel paint with a coat of wood primer on new wood work in inner surface (inside)</b> - Painting one coat of enamel paint with a coat of wood primer on new wood work in inner surface including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(inside).	-	<b>29.210625</b>	Sqm
i)	<b>BRM141</b> : Enamel paint	0.075	2.190796875	1 Litre
ii)	<b>BRM138</b> : Wood Primer	0.075	2.190796875	1 Litre
18	<b>Iron Work(AR1704)</b> <b>:.Iron Doors and windows fixing -</b> 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.	-	<b>3.803625</b>	Qntl
i)	<b>BRM341</b> : Steel	1	3.803625	1 Qntl.

19	<p><b>Flooring (AR0817b)</b>  <b>:.Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) - Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.</b></p>	-	<b>13.545</b>	Sqm
i)	<p><b>BRM129</b> : Tiles up to 20cmx30cm / 20cm x 20cm special plain /printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753</p>	1	13.545	1 Sqm.
ii)	<p><b>BRM340</b> : Cement</p>	0.1375	1.8624375	1 Qntl.
iii)	<p><b>BRM028</b> : Screened and washed sharp sand for mortar</p>	0.015	0.203175	1 Cum

20	<b>Masonry Brick Work (AR0603bi) :.First floor</b> - Brickwork with Flyash Bricks of size (25cm x 12cm 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.	-		<b>5.445</b>	Cum
i)	<b>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</b>	1		5.445	1 Cum
ii)	<b>BRM340 : Cement</b>	0.672		3.65904	1 Qntl.
iii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.28		1.5246	1 Cum
iv)	<b>BRM005 : 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 ± 2 %</b>	350		1905.75	1000 Nos
21	<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.	-		<b>43.56</b>	Sqm
i)	<b>BRM340 : Cement</b>	0.0358		1.559448	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.015		0.6534	1 Cum

Sl.No.	Material Name	Qty	Unit	Rate	Amount
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1	BRM029	17.5825	1 Cum	543.25	9551.693125
2	BRM340	122.40786563563	1 Qntl.	551.372	67492.269691246
3	BRM028	26.6323303125	1 Cum	548.19	14599.577154009
4	BRM044	7.02048	1 Cum.	1726.96	12124.0881408
5	BRM005	12139.8375	1000 Nos	6.31335	76643.043080625
6	BRMMR0025	22.453125	1 Cum	33	740.953125
7	BRM060	6.82728525	1 Cum.	2136.93	14589.430669283
8	BRM052	10.240927875	1 Cum.	2114	21649.32152775
9	BRM104	0.71002385818071	1Cum.	58573.086	41588.28850727
10	BRM092	6.60177	1Mtr.	229.106	1512.50511762
11	BRM094	2.4836538461538	1Mtr.	240.106	596.34019038462
12	BRM084	61.361301587302	1Mtr	250.166	15350.511372889
13	BRM162	13.336	1 Kg.	90.1	1201.5736
14	BRM341	21.307125	1 Qntl.	6386.662	136081.40556675
15	BRM131	34.0525	1 Sqm.	662.3175001	22553.566672155
16	BRMMR0027	34.0525	1 Sqm	8.5	289.44625
17	BRM255	18.72325	1 Ltr	195.09732	3652.85589669
18	BRM252	12.582024	1 Ltr	125.80732	1582.9107196157
19	BRM140	13.301	1 Litre	249.64732	3320.55900332
20	BRM141	2.190796875	1 Litre	205.64732	450.53150600812
21	BRM138	2.190796875	1 Litre	155.38732	340.42205507062
22	BRM129	13.545	1 Sqm.	413.4875001	5600.6881888545
<b>Total: 451511.98116034</b>					

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	17.5825	1 Cum	278.25	4892.330625
2	BRM028	26.6323303125	1 Cum	278.25	7410.4459094531
3	BRM044	7.02048	1 Cum.	419.5	2945.09136
4	BRM060	6.82728525	1 Cum.	419.5	2864.046162375
5	BRM052	10.240927875	1 Cum.	419.5	4296.0692435625
<b>Total: 22407.983300391</b>					

## ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
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1	Provision for PH Work @ Rs. 13265	Rs. 13265
2	Provision for EI Work @ Rs. 10500	Rs. 10500
3	Provision for Contingency @ 1%	Rs. 8160.7386565041
4	Display Citizen Board @ Rs. 2000	Rs. 2000
<b>Total Addition Component Amount (in Rs.): 33925.738656504</b>		

**Total Net Amount (in Rs.): 849999.60430692**