

ESTIMATION DPR							
State	Odisha	District	Malkangiri	Block	Chitrakonda	Gram Panchayat	Populur

Work Code	OD/364/3483/119945/431062/00099980 (Construction of Librerary)						
Project Category	Other Infrastructure						

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Chitrakonda	Proposal Date	13-02-2026
Date of Commencement	-	Date of Completion	
Scheme Name	Bikashita Gaon Bikashita Odisha	Scheme Component Name	Viksit Gaon Vikshit Odisha (VGVO)
Project Sub-Category	Rural Library	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.	843/BGBO-XXXV-35/2026
Fund Sanction Amount (in Rs.)	1000000

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	31.5449152	240.77592	7595.255978602
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	23.5218596224	966.573232	22735.599877873

3	<p style="text-align: center;">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&P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	8.8031834176	6269.6410944	55192.800516526
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4	<p style="text-align: center;">Masonry</p> <p>Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - 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/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	6.73068248896	5731.13844702	38574.473187163
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5	<p style="text-align: center;">Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - 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/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	13.85220760992	5764.46844702	79850.613688954
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6	<p style="text-align: center;">R.C.C. Work (AR0404Aa) :</p> <p>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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)</p>	Cum	7.60462388736	6789.3945146337	51630.791706694
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7	<p style="text-align: center;">R.C.C. Work (AR0404Ab) :</p> <p>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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)</p>	Cum	1.8758357688832	7550.0814880802	14162.712913324
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8	<p style="text-align: center;">R.C.C.</p> <p>Work (AR0404Ac) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)</p>	Cum	6.1706462407232	14872.7008339	91774.175490106
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9	<p style="text-align: center;">R.C.C. Work (AR0404Ad) :</p> <p>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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Lintels)</p>	Cum	1.01879882048	13493.60816754	13747.272085109
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10	<p style="text-align: center;">R.C.C. Work (AR0404Ag) :</p> <p>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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)</p>	Cum	6.3832913069568	13132.284576214	83827.19797583
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11	<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	21.8139	8455.3423206	184443.99184734
12	<p>Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over masonry work in inside. - 20mm thick cement Plaster in CM (1:4) over stone 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	47.7105957784	281.295898304	13420.794898104

13	<p>Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) - 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.</p>	Sqm	61.15061266	194.342457952	11884.160369615
14	<p>Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside. - 16mm thick cement Plaster in CM (1:6) over brick work in inside including racking out joints finishing smooth with proper plumb and line, curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc comp.and as per direction of Engineer-in-charge.</p>	Sqm	95.3382477584	255.38921408	24348.360166782

15	<p>Plastering (AR1006) : 12mm thick cement plaster (1:4) over brickwork in inside - 12mm thick cement plaster (1:4) over brickwork in inside with cement punning for skirting/wall punning including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc. comp. and as per direction of Engineer-in-charge.</p>	Sqm	99.75552528	200.497514304	20000.73485673
16	<p>Iron Work (AR1704) : Iron Doors and windows fixing - 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.</p>	Qntl	4.7975	15796.870679087	75785.48708292

17	<p style="text-align: center;">Flooring (AR0817aa) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) - Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.</p>	Sqm	40.82901044	1548.732620441	63233.220328754
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18	<p style="text-align: center;">Other Building Items. (AR1918) : UPVC Door with 12mm thick WPC Board - Supplying, fitting and fixing of Unplasticised Poly Vinyl Chloride (UPVC) (FENESTA/NCL VEKA LTD) casement Door - 60 Series duly manufactured using UPVC reinforced profiles of 60mm x 55 mm x 2.5 mm for outer frames, 102 mm x 60 mm x 2.25mm for casement door Sash Profile and 74 mm x 60 mm x 2.5 mm mullion profile capable of mounting single glazing system structurally reinforced with hot dip galvanised up to 50 microns of minimum thickness of 2.0 mm prefabricated & welded through fusion welding the door sash shall be fitted with 12mm thick WPC Board of green ply make duly fixed with EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 no per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc, including cost and conveyance of all materials accessories, labour charges, materials and product conforming to ASTM D 638-14, EN-477-95 and other applicable codes and standards and as per direction of Engineer in Charge. (Rate given by Office of</p>	Sqm	1.6258025	9052.63	14717.788485575
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19	<p style="text-align: center;">Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface) - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)</p>	Sqm	26.91864425	164.28026558952	4422.2020266998
20	<p style="text-align: center;">Painting (AR0918ca) : Finishing wall two coats with weather coat with one coat oilbound Primer - 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	108.79684524	156.94134032051	17074.722714609

21	<p align="center">Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) - 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	129.67214934	94.805167525	12293.589841506
Total Amount (in Rs.): 900715.94603881					

LABOUR STATEMENT

SI.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 - 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>	-	31.5449152	Cum
i	Un-Skilled	0.516	16.2771762432	-

2	<p>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>	-	23.5218596224	Cum
i	Un-Skilled	0.1236	2.9073018493286	-
3	<p>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&P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	8.8031834176	Cum
i	Skilled	0.18	1.584573015168	-
ii	Un-Skilled	3.9	34.33241532864	-

4	Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - 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 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.	-	6.73068248896	Cum
i	Un-Skilled	2.96	19.922820167322	-
ii	Skilled	1.05	7.067216613408	-
iii	Highly-Skilled	0.35	2.355738871136	-

5	Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - 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 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.	-	13.85220760992	Cum
i	Un-Skilled	2.96	41.002534525363	-
ii	Skilled	1.05	14.544817990416	-
iii	Highly-Skilled	0.35	4.848272663472	-

6	R.C.C. Work (AR0404Aa) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)	-	7.60462388736	Cum
i	Un-Skilled	1.3333	10.139245029017	-
ii	Skilled	0.175	1.330809180288	-
iii	Semi-Skilled	0.1323	1.0060917402977	-

7	R.C.C. Work (AR0404Ab) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)	-	1.8758357688832	Cum
i	Un-Skilled	1.3333	2.501051830652	-
ii	Skilled	0.35	0.65654251910912	-
iii	Semi-Skilled	0.3073	0.57644433177781	-

8	R.C.C. Work (AR0404Ac) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)	-	6.1706462407232	Cum
i	Un-Skilled	1.3333	8.2273226327562	-
ii	Skilled	5.33875	32.943537617661	-
iii	Semi-Skilled	5.29605	32.680051023182	-

9	R.C.C. Work (AR0404Ad) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Lintels)	-	1.01879882048	Cum
i	Un-Skilled	1.3333	1.358364467346	-
ii	Skilled	2.34375	2.3878097355	-
iii	Semi-Skilled	2.30105	2.3443070258655	-

10	R.C.C. Work (AR0404Ag) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)	-	6.3832913069568	Cum
i	Un-Skilled	1.3333	8.5108422995655	-
ii	Skilled	3.15525	20.140879896275	-
iii	Semi-Skilled	3.11255	19.868313357468	-

11	<p>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>	-	21.8139	Qntl
i	Un-Skilled	0.8	17.45112	-
ii	Highly-Skilled	0.3	6.54417	-
iii	Semi-Skilled	0.044	0.9598116	-
12	<p>Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over masonry work in inside. - 20mm thick cement Plaster in CM (1:4) over stone 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>	-	47.7105957784	Sqm
i	Un-Skilled	0.24	11.450542986816	-

	ii	Skilled	0.16	7.633695324544	-
13		Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) - 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.	-	61.15061266	Sqm
	i	Un-Skilled	0.17	10.3956041522	-
	ii	Skilled	0.14	8.5610857724	-
14		Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside. - 16mm thick cement Plaster in CM (1:6) over brick work in inside including racking out joints finishing smooth with proper plumb and line, curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc comp.and as per direction of Engineer-in-charge.	-	95.3382477584	Sqm
	i	Un-Skilled	0.24	22.881179462016	-

	ii	Skilled	0.16	15.254119641344	-
15		Plastering (AR1006) : 12mm thick cement plaster (1:4) over brickwork in inside - 12mm thick cement plaster (1:4) over brickwork in inside with cement punning for skirting/wall punning including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc. comp. and as per direction of Engineer-in-charge.	-	99.75552528	Sqm
	i	Un-Skilled	0.11	10.9731077808	-
	ii	Skilled	0.15	14.963328792	-
16		Iron Work (AR1704) : Iron Doors and windows fixing - 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.	-	4.7975	Qntl
	i	Un-Skilled	6.3976377952756	30.692667322835	-
	ii	Semi-Skilled	1.9685039370079	9.4438976377953	-

	iii	Skilled	3.9370078740157	18.887795275591	-
	iv	Highly-Skilled	3.4448818897638	16.526820866142	-
17		Flooring (AR0817aa) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) - Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.	-	40.82901044	Sqm
	i	Highly-Skilled	0.325	13.269428393	-
	ii	Un-Skilled	0.325	13.269428393	-
	iii	Semi-Skilled	0.76	31.0300479344	-

18	<p>Other Building Items. (AR1918) : UPVC Door with 12mm thick WPC Board - Supplying, fitting and fixing of Unplasticised Poly Vinyl Chloride (UPVC) (FENESTA/NCL VEKA LTD) casement Door - 60 Series duly manufactured using UPVC reinforced profiles of 60mm x 55 mm x 2.5 mm for outer frames, 102 mm x 60 mm x 2.25mm for casement door Sash Profile and 74 mm x 60 mm x 2.5 mm mullion profile capable of mounting single glazing system structurally reinforced with hot dip glavanised up to 50 microns of minimum thickness of 2.0 mm prefabricated & welded through fusion welding the door sash shall be fitted with 12mm thick WPC Board of green ply make duly fixed with EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 no per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc, including cost and conveyance of all materials accessories, labour charges, materials and product conforming to ASTM D 638-14,EN-477-95 and other applicable codes and standards and as per direction of Engineer in Charge. (Rate given by Office of the Engineer-IN-Chief (Civil) Odisha Nirman Soudha Unit-V, Bhubaneswar vide letter no 16100 dated 08/05/2018)</p>	-	1.6258025	Sqm
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19	Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface) - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	26.91864425	Sqm
i	Highly-Skilled	0.13440860215054	3.6180973454301	-
ii	Un-Skilled	0.11827956989247	3.1839256639785	-
20	Painting (AR0918ca) : Finishing wall two coats with weather coat with one coat oilbound Primer - 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)	-	108.79684524	Sqm
i	Un-Skilled	0.11776344086022	12.812290850199	-
ii	Highly-Skilled	0.10776344086022	11.724322397799	-

21	Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) - 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)	-	129.67214934	Sqm
i	Highly-Skilled	0.054	7.00229606436	-
ii	Un-Skilled	0.064	8.29901755776	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	286.58795854279	462	132403.63684677
2	Skilled	145.9562113737	562	82027.390792022
3	Highly-Skilled	65.889146601339	612	40324.157720019
4	Semi-Skilled	97.908964650787	512	50129.389901203
Total:				304884.57526001

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	<p>Earth Work (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>	-	31.5449152	Cum
2	<p>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>	-	23.5218596224	Cum
i)	<p>BRM029 : Sand for filling and road blinding</p>	1	23.5218596224	1 Cum
3	<p>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&P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	8.8031834176	Cum
i)	<p>BRM340 : Cement</p>	2.29	20.159290026304	1 Qntl.
ii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.48	4.225528040448	1 Cum

iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	8.451056080896	1 Cum.
4	Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - 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 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.	-	6.73068248896	Cum
i)	BRM340 : Cement	0.672	4.5230186325811	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	1.8845910969088	1 Cum
iii)	BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance ± 2 %	350	2355.738871136	1000 Nos

5	<p>Masonry Brick Work (AR0603bi) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - 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/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>	-	13.85220760992	Cum
i)	<p>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</p>	1	13.85220760992	1 Cum
ii)	<p>BRM340 : Cement</p>	0.672	9.3086835138662	1 Qntl.
iii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.28	3.8786181307776	1 Cum
iv)	<p>BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm² with dimensional tolerance ± 2 %</p>	350	4848.272663472	1000 Nos

6	<p>R.C.C. Work (AR0404Aa) ∴ 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)</p>	-	7.60462388736	Cum
i)	BRM340 : Cement	3.4733	26.413140147967	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.422080749312	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	2.7376645994496	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	4.1064968991744	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.030456518668877	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.189	1.437273914711	1Mtr.

7	R.C.C. Work (AR0404Ab) :.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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)	-	1.8758357688832	Cum
i)	BRM340 : Cement	3.4733	6.515340376062	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.84412609599744	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	0.67530087679795	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	1.0129513151969	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.025042407514591	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.63	1.1817765343964	1Mtr.

8	R.C.C. Work (AR0404Ac) :.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. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)	-	6.1706462407232	Cum
i)	BRM340 : Cement	3.4733	21.432505587904	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.7767908083254	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	2.2214326466604	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	3.3321489699905	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	4.4196	27.2717881255	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	0.25626076773099	1Cum.

9	R.C.C. Work (AR0404Ad) :.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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Lintels)	-	1.01879882048	Cum
i)	BRM340 : Cement	3.4733	3.5385939431732	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.458459469216	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	0.3667675753728	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	0.5501513630592	1 Cum.
v)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	3.7695	3.8403621537994	1Mtr.
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0741335	0.075527122358054	1Cum.

10	<p>R.C.C. Work (AR0404Ag) :.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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)</p>	-	6.3832913069568	Cum
i)	BRM340 : Cement	3.4733	22.171085696453	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.8724810881306	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	2.2979848705044	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	3.4469773057567	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	6.2216	39.714285195362	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.32055101621971	1Cum.

11	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.	-	21.8139	Qntl
i)	BRM162 : Binding Wire.	0.8	17.45112	1 Kg.
ii)	BRM341 : Steel	1.05	22.904595	1 Qntl.
12	Plastering (AR1017) :.20mm thick cement Plaster in CM (1:4) over masonry work in inside. - 20mm thick cement Plaster in CM (1:4) over stone 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.	-	47.7105957784	Sqm
i)	BRM340 : Cement	0.0744	3.549668325913	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.021	1.0019225113464	1 Cum

13	Plastering (AR1027) :.6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) - 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.	-	61.15061266	Sqm
i)	BRM340 : Cement	0.0372	2.274802790952	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.45862959495	1 Cum
14	Plastering (AR1014) :.16mm thick cement Plaster in CM (1:6) over brick work in inside. - 16mm thick cement Plaster in CM (1:6) over brick work in inside including racking out joints finishing smooth with proper plumb and line, curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc comp.and as per direction of Engineer-in-charge.	-	95.3382477584	Sqm
i)	BRM340 : Cement	0.043	4.0995446536112	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.7160884596512	1 Cum

15	Plastering (AR1006) :.12mm thick cement plaster (1:4) over brickwork in inside - 12mm thick cement plaster (1:4) over brickwork in inside with cement punning for skirting/wall punning including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc. comp. and as per direction of Engineer-in-charge.	-	99.75552528	Sqm
i)	BRM340 : Cement	0.0644	6.424255828032	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.4963328792	1 Cum
16	Iron Work(AR1704) :.Iron Doors and windows fixing - 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.	-	4.7975	Qntl
i)	BRM341 : Steel	1	4.7975	1 Qntl.

17	<p>Flooring (AR0817aa) :.Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) - Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.</p>	-	40.82901044	Sqm
i)	<p>BRM131 : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B la) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)</p>	1	40.82901044	1 Sqm.
ii)	<p>BRMMR0027 : Wax Polish</p>	1	40.82901044	1 Sqm
iii)	<p>BRM340 : Cement</p>	0.1375	5.6139889355	1 Qntl.
iv)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.015	0.6124351566	1 Cum

18	<p>Other Building Items. (AR1918) :UPVC Door with 12mm thick WPC Board - Supplying, fitting and fixing of Unplasticised Poly Vinyl Chloride (UPVC) (FENESTA/NCL VEKA LTD) casement Door - 60 Series duly manufactured using UPVC reinforced profiles of 60mm x 55 mm x 2.5 mm for outer frames, 102 mm x 60 mm x 2.25mm for casement door Sash Profile and 74 mm x 60 mm x 2.5 mm mullion profile capable of mounting single glazing system structurally reinforced with hot dip galvanised up to 50 microns of minimum thickness of 2.0 mm prefabricated & welded through fusion welding the door sash shall be fitted with 12mm thick WPC Board of green ply make duly fixed with EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 no per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/degazing at site etc, including cost and conveyance of all materials accessories, labour charges, materials and product conforming to ASTM D 638-14,EN-477-95 and other applicable codes and standards and as per direction of Engineer in Charge. (Rate given by Office of the Engineer-IN-Chief (Civil) Odisha Nirman Soudha Unit-V, Bhubaneswar vide letter no 16100 dated 08/05/2018)</p>	-	1.6258025	Sqm
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i)	BRM343 : UPVC Door conforming to ASTM D 638-14,EN-477-95 and other applicable codes and standards with 12mm thick WPC Board	1	1.6258025	Sqm
19	Painting(AR0903i) :.Painting two coats of enamel paint in outer surface paint (outer surface) - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	26.91864425	Sqm
i)	BRM141 : Enamel paint	0.125	3.36483053125	1 Litre
20	Painting(AR0918ca) :.Finishing wall two coats with weather coat with one coat oilbound Primer - 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)	-	108.79684524	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	13.599605655	1 Ltr
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	9.13893500016	1 Ltr

21	Painting(AR0920) :.Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) - 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)	-	129.67214934	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	16.2090186675	1 Litre

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	23.5218596224	1 Cum	803.65	18903.342485542
2	BRM340	136.02391845832	1 Qntl.	603.702	82117.911621124
3	BRM028	25.648084080863	1 Cum	1122.79	28797.412325153
4	BRM044	8.451056080896	1 Cum.	1995.16	16861.20905036
5	BRM005	7204.011534608	1000 Nos	7.687325	55379.57797028
6	BRMMR0025	13.85220760992	1 Cum	33	457.12285112736
7	BRM060	8.2991505687852	1 Cum.	2418.58	20072.159582652
8	BRM052	12.448725853178	1 Cum.	2382.2	29655.35472744
9	BRM104	0.70783783249223	1Cum.	58906.006	41695.899607814
10	BRM092	2.6190504491075	1Mtr.	562.026	1471.9744477101
11	BRM084	66.986073320863	1Mtr	583.086	39058.641548369
12	BRM094	3.8403621537994	1Mtr.	573.026	2200.627363543
13	BRM162	17.45112	1 Kg.	90.1	1572.345912
14	BRM341	27.702095	1 Qntl.	6244.042	172973.04466799
15	BRM131	40.82901044	1 Sqm.	672.1358341	27442.640987567
16	BRMMR0027	40.82901044	1 Sqm	8.5	347.04658874
17	BRM343	1.6258025	Sqm	8963	14572.0678075
18	BRM141	3.36483053125	1 Litre	206.00402	693.16861605624
19	BRM255	13.599605655	1 Ltr	195.45402	2658.0975956845
20	BRM252	9.13893500016	1 Ltr	126.16402	1153.0047781389
21	BRM140	16.2090186675	1 Litre	250.00402	4052.31982713

Total: 562134.97036192

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	23.5218596224	1 Cum	96.25	2263.978988656
2	BRM028	25.648084080863	1 Cum	96.25	2468.6280927831
3	BRM044	8.451056080896	1 Cum.	208.5	1762.0451928668
4	BRM060	8.2991505687852	1 Cum.	208.5	1730.3728935917
5	BRM052	12.448725853178	1 Cum.	208.5	2595.5593403876
					Total: 10820.584508285

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for EI Work @ Rs. 15000	Rs. 15000
2	Provision for Contingency @ 1%	Rs. 9007.1594603881
3	Display Citizen Board @ Rs. 5000	Rs. 5000
4	Any Other Lumpsum @ Rs. 70276	Rs. 70276
		Total Addition Component Amount (in Rs.): 99283.159460388

Total Net Amount (in Rs.): 999999.1054992