

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Kendujhar	<b>Block</b>	Joda	<b>Gram Panchayat</b>	Birikala

<b>Work Code</b>	OD/361/3451/119440/385324/00072556 (Construction of Market Complex at Birikala)						
<b>Project Category</b>	Building						

<b>Financial Year</b>	2022-23	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Joda	<b>Proposal Date</b>	12-10-2022
<b>Date of Commencement</b>	-	<b>Date of Completion</b>	
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	Creation of Capital Asset for Revenue Generation
<b>Project Sub-Category</b>	Market Complex	<b>Project Type</b>	New Work
<b>Name of Executant</b>			

### Administrative Approval Details

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

<b>Technical Sanction No.</b>	
<b>Fund Sanction No.</b>	19248
<b>Fund Sanction Amount (in Rs.)</b>	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;"><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	30.543624	240.77592	7354.1691687341
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	41.90780596	1803.115832	75564.62841086

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	8.86868796	6898.98818774	61184.973476792
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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	16.6074022	5504.136383032	91409.406676666
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5	<p style="text-align: center;"><b>Masonry 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	23.1014315	5537.466383032	127923.40033117
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6	<p style="text-align: center;"><b>R.C.C. Work (AR0404Aa) :</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 &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. (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	2.843584	7376.7850035487	20976.507807531
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7	<p style="text-align: center;"><b>R.C.C. Work (AR0404Ab) :</b></p> <p><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 &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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)</p>	Cum	3.168078875	8135.815613436	25774.905575822
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8	<p style="text-align: center;"><b>R.C.C. Work (AR0404Ac) :</b></p> <p><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 &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. (including centring and shuttering) complete and as per direction of Engineer-in- charge. (RCC Beams, Column, Girder &amp; Bressmer etc)</p>	Cum	3.5350945	15448.282923409	54611.139996987
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9	<p style="text-align: center;"><b>R.C.C. Work (AR0404Ad) :</b></p> <p><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 &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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Lintels)</p>	Cum	1.3975955	14063.886046008	19655.623850414
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10	<p style="text-align: center;"><b>R.C.C.</b></p> <p><b>Work (AR0404Bg) : Reinforced cement concrete work of M-20 grade with 20mm &amp; downgrade size black hard crusher broken granite chips(RCC Roof slab, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9). -</b></p> <p>Reinforced cement concrete work of M-20 grade with 20mm &amp; downgrade 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9).</p>	Cum	7.551174385	13702.101212047	103466.95569309
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11	<p style="text-align: center;"><b>R.C.C. Work (AR0409) :</b>  <b>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>	Qntl	10.5	9267.2761797	97306.39988685
12	<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	114.5457	265.600938058	30423.44537051

13	<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	121.479756	187.7644676148	22809.581711316
14	<p><b>Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)</b> - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T &amp; P required for the work, etc comp. and as per the direction of the Engineer-in-charge.</p>	Sqm	49.917028	198.9444978232	9930.7180682866

15	<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	56.848297	1554.114421096	88348.758182448
16	<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	9.1042	16570.141021087	150857.87788418
<b>Total Amount (in Rs.): 987598.49209165</b>					

**LABOUR STATEMENT**

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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>	-	30.543624	Cum
i	Un-Skilled	0.516	15.760509984	-
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>	-	41.90780596	Cum
i	Un-Skilled	0.1236	5.179804816656	-

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>	-	8.86868796	Cum
	i Skilled	0.18	1.5963638328	-
	ii Un-Skilled	3.9	34.587883044	-
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>	-	16.6074022	Cum
	i Un-Skilled	2.96	49.157910512	-

	ii	Skilled	1.05	17.43777231	-
	iii	Highly-Skilled	0.35	5.81259077	-
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.	-	23.1014315	Cum
	i	Un-Skilled	2.96	68.38023724	-
	ii	Skilled	1.05	24.256503075	-
	iii	Highly-Skilled	0.35	8.085501025	-

6	<b>R.C.C. Work (AR0404Aa) :</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. (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.)	-	2.843584	Cum
i	Un-Skilled	1.3333	3.7913505472	-
ii	Skilled	0.175	0.4976272	-
iii	Semi-Skilled	0.1323	0.3762061632	-

7	<b>R.C.C. Work (AR0404Ab) :</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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)	-	3.168078875	Cum
i	Un-Skilled	1.3333	4.2239995640375	-
ii	Skilled	0.35	1.10882760625	-
iii	Semi-Skilled	0.3073	0.9735506382875	-

8	<b>R.C.C. Work (AR0404Ac) :</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. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)	-	3.5350945	Cum
i	Un-Skilled	1.3333	4.71334149685	-
ii	Skilled	5.33875	18.872985761875	-
iii	Semi-Skilled	5.29605	18.722037226725	-

9	<b>R.C.C. Work (AR0404Ad) :</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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Lintels)	-	1.3975955	Cum
i	Un-Skilled	1.3333	1.86341408015	-
ii	Skilled	2.34375	3.275614453125	-
iii	Semi-Skilled	2.30105	3.215937125275	-

10	<b>R.C.C. Work (AR0404Bg) :</b> <b>Reinforced cement concrete work of M-20 grade with 20mm &amp; downgrade size black hard crusher broken granite chips(RCC Roof slab, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9). -</b> Reinforced cement concrete work of M-20 grade with 20mm & downgrade 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, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9).	-	7.551174385	Cum
i	Un-Skilled	1.3333	10.067980807521	-
ii	Skilled	3.15525	23.825842978271	-
iii	Semi-Skilled	3.11255	23.503407832032	-

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>	-	10.5	Qntl
i	Un-Skilled	0.8	8.4	-
ii	Highly-Skilled	0.3	3.15	-
iii	Semi-Skilled	0.044	0.462	-
12	<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>	-	114.5457	Sqm
i	Un-Skilled	0.24	27.490968	-

	ii	Skilled	0.16	18.327312	-
13		<b>Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside - 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.</b>	-	121.479756	Sqm
	i	Un-Skilled	0.12	14.57757072	-
	ii	Skilled	0.14	17.00716584	-
14		<b>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 &amp; P required for the work, etc comp. and as per the direction of the Engineer-in-charge.</b>	-	49.917028	Sqm
	i	Un-Skilled	0.17	8.48589476	-
	ii	Skilled	0.14	6.98838392	-

15	<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>	-	56.848297	Sqm	
	i	Highly-Skilled	0.325	18.475696525	-
	ii	Un-Skilled	0.325	18.475696525	-
	iii	Semi-Skilled	0.76	43.20470572	-
16	<p><b>Iron Work (AR1704) :</b>  <b>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>	-	9.1042	Qntl	

i	Un-Skilled	6.3976377952756	58.245374015748	-
ii	Semi-Skilled	1.9685039370079	17.921653543307	-
iii	Skilled	3.9370078740157	35.843307086614	-
iv	Highly-Skilled	3.4448818897638	31.362893700787	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	333.40193611316	462	154031.69448428
2	Skilled	169.03770606394	562	94999.190807932
3	Highly-Skilled	66.886682020787	612	40934.649396722
4	Semi-Skilled	108.37949824883	512	55490.303103399
<b>Total:</b>				<b>345455.83779233</b>

## MATERIAL STATEMENT

SI.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>30.543624</b>	Cum

2	<b>Earth Work (AR0115)</b> :.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.	-	<b>41.90780596</b>	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	41.90780596	1 Cum
3	<b>Concrete (AR0303)</b> :.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.	-	<b>8.86868796</b>	Cum
i)	<b>BRM340</b> : Cement	2.29	20.3092954284	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	4.2569702208	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	8.5139404416	1 Cum.

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 <math>\pm 8</math> percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&amp;P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	16.6074022	Cum
i)	<b>BRM340</b> : Cement	0.672	11.1601742784	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	4.650072616	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	5812.59077	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 <math>\pm 8</math> percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&amp;P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	23.1014315	Cum

i)	<b>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</b>	1	23.1014315	1 Cum
ii)	<b>BRM340 : Cement</b>	0.672	15.524161968	1 Qntl.
iii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.28	6.46840082	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./Cm2 with dimensional tolerance <math>\pm</math> 2 %</b>	350	8085.501025	1000 Nos
6	<b>R.C.C. Work (AR0404Aa) :.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. (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.)</b>	-	<b>2.843584</b>	Cum
i)	<b>BRM340 : Cement</b>	3.4733	9.8766203072	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.45	1.2796128	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	1.02369024	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	1.53553536	1 Cum.
v)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.01138855392	1Cum.
vi)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.189	0.537437376	1Mtr.
7	<b>R.C.C. Work (AR0404Ab)</b> :.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)	-	<b>3.168078875</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	11.003688356538	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1.42563549375	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	1.140508395	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	1.7107625925	1 Cum.
v)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.04229385298125	1Cum.
vi)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.63	1.99588969125	1Mtr.
8	<b>R.C.C. Work (AR0404Ac)</b> :.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)	-	<b>3.5350945</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	12.27844372685	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1.590792525	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	1.27263402	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	1.90895103	1 Cum.
v)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	4.4196	15.6237036522	1Mtr
vi)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	0.1468089394905	1Cum.
9	<b>R.C.C. Work (AR0404Ad)</b> :.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)	-	<b>1.3975955</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	4.85426845015	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	0.628917975	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	0.50313438	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	0.75470157	1 Cum.
v)	<b>BRM094</b> : Non-sal bullahs 125mm. mean dia of any length.	3.7695	5.26823623725	1Mtr.
vi)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0741335	0.10360864599925	1Cum.
10	<b>R.C.C. Work (AR0404Bg)</b> <b>∴ Reinforced cement concrete work of M-20 grade with 20mm &amp; downgrade size black hard crusher broken granite chips(RCC Roof slab, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9).</b> - Reinforced cement concrete work of M-20 grade with 20mm & downgrade 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, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9).	-	<b>7.551174385</b>	Cum

i)	<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	2.7184227786	1 Cum.
ii)	<b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	4.0776341679	1 Cum.
iii)	<b>BRM340</b> : Cement	3.4733	26.227493991421	1 Qntl.
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	3.39802847325	1 Cum
v)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	6.2216	46.980386553716	1Mtr
vi)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.37919883432642	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>10.5</b>	Qntl
i)	<b>BRM162</b> : Binding Wire.	0.8	8.4	1 Kg.
ii)	<b>BRM341</b> : Steel	1.05	11.025	1 Qntl.

12	<b>Plastering (AR1014)</b> <b>::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.	-	<b>114.5457</b>	Sqm
i)	<b>BRM340</b> : Cement	0.043	4.9254651	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	2.0618226	1 Cum
13	<b>Plastering (AR1004)</b> <b>::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>121.479756</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0358	4.3489752648	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	1.82219634	1 Cum

14	<p><b>Plastering (AR1027)</b>  <b>:.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 &amp; P required for the work, etc comp. and as per the direction of the Engineer-in-charge.</b></p>	-	<b>49.917028</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0372	1.8569134416	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0075	0.37437771	1 Cum
15	<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>	-	<b>56.848297</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	56.848297	1 Sqm.

ii)	<b>BRMMR0027</b> : Wax Polish	1	56.848297	1 Sqm
iii)	<b>BRM340</b> : Cement	0.1375	7.8166408375	1 Qntl.
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.852724455	1 Cum
16	<b>Iron Work(AR1704)</b> :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.	-	<b>9.1042</b>	Qntl
i)	<b>BRM341</b> : Steel	1	9.1042	1 Qntl.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	41.90780596	1 Cum	1652.91	69269.831549344
2	<b>BRM340</b>	130.18214115086	1 Qntl.	616.087	80203.524795209
3	<b>BRM028</b>	28.8095520288	1 Cum	1662.91	47907.692164212
4	<b>BRM044</b>	8.5139404416	1 Cum.	2271.16	19336.520973344
5	<b>BRM005</b>	13898.091795	1000 Nos	6.59565	91666.949147692
6	<b>BRMMR0025</b>	23.1014315	1 Cum	33	762.3472395
7	<b>BRM060</b>	6.6583898136	1 Cum.	2694.58	17941.56402393
8	<b>BRM052</b>	9.9875847204	1 Cum.	2610.91	26076.68482234
9	<b>BRM104</b>	0.68329882671742	1Cum.	58763.326	40152.911709813
10	<b>BRM092</b>	2.53332706725	1Mtr.	419.346	1062.340572343
11	<b>BRM084</b>	62.604090205916	1Mtr	440.406	27571.216951227
12	<b>BRM094</b>	5.26823623725	1Mtr.	430.346	2267.1643917556
13	<b>BRM162</b>	8.4	1 Kg.	90.1	756.84
14	<b>BRM341</b>	20.1292	1 Qntl.	6890.147	138693.1469924
15	<b>BRM131</b>	56.848297	1 Sqm.	667.2266671	37930.699737621
16	<b>BRMMR0027</b>	56.848297	1 Sqm	8.5	483.2105245
<b>Total: 602082.64559523</b>					

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
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1	<b>BRM029</b>	41.90780596	1 Cum	75.25	3153.56239849
2	<b>BRM028</b>	28.8095520288	1 Cum	75.25	2167.9187901672
3	<b>BRM044</b>	8.5139404416	1 Cum.	279.5	2379.6463534272
4	<b>BRM060</b>	6.6583898136	1 Cum.	279.5	1861.0199529012
5	<b>BRM052</b>	9.9875847204	1 Cum.	279.5	2791.5299293518
<b>Total: 12353.677424337</b>					

#### **ADDITION COMPONENT**

<b>SI.No.</b>	<b>Item Name</b>	<b>Amount (in Rs.)</b>
1	Provision for EI Work @ Rs. 401	Rs. 401
2	Provision for Contingency @ Rs. 10000	Rs. 10000
3	Display Citizen Board @ Rs. 2000	Rs. 2000
<b>Total Addition Component Amount (in Rs.): 12401</b>		

**Total Net Amount (in Rs.): 999999.49209165**