

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Balasore	<b>Block</b>	Basta	<b>Gram Panchayat</b>	Tadada

<b>Work Code</b>	OD/346/3301/116140/392186/00062836 (CONSTRUCTION OF MARKET COMPLEX AT TADADA CHANDI MANDIR)						
<b>Project Category</b>	Building						

<b>Financial Year</b>	2020-21	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Basta	<b>Proposal Date</b>	08-06-2021
<b>Date of Commencement</b>	19-02-2026	<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>	ASHOK KUMAR NAYAK		

### Administrative Approval Details

<b>Approval No.</b>	OD/346/3301/116140/392186/00062836/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/346/3301/116140/392186/00062836/TS
<b>Fund Sanction No.</b>	8112
<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><b>Pile Foundation (AR1501a) : Single under reamed pile foundation 375 mm dia and 6.0 meter long with RCC M20 using 12mm size black hard granite (Crusher broken) stone chips. -</b>  Single under-reamed pile foundation with RCC M-20 using 12mm size black granite (Crusher broken) stone chips including cost of boring and including the labour charges, convenience, royalty, taxes of all materials, labour and T&amp;P required for the work etc. but excluding the cost of M.S./Tor steel complete and as per direction of Engineer-in charge. (375mm dia and 6.0 meter long).</p>	Nos	25	8326.4535717558	58591.735807944
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2	<p><b>Masonry 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 <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>	Cum	7.773598728	5390.671966568	58591.735807944
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3	<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>	Cum	20.16740618752	5424.001966568	58591.735807944
4	<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>	Cum	37.73072016	1151.302232	58591.735807944

5	<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>	Qntl	18	8632.0992593	58591.735807944
6	<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	42.0386075	192.1558286368	58591.735807944

7	<p><b>Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside - 12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T &amp; P required for the work etc. comp.and as per direction of Engineer-in-charge.</b></p>	Sqm	67.4661586	176.1189323252	58591.735807944
8	<p><b>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 &amp; P required for the work etc comp.and as per direction of Engineer-in-charge.</b></p>	Sqm	100.613949	251.624293842	58591.735807944

9	<p><b>Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over masonry work in inside.</b> - 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 &amp; P required for the work etc comp.and as per direction of Engineer-in-charge.</p>	Sqm	55.6024455	276.1269616736	58591.735807944
10	<p><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</p>	Sqm	49.6411944408	1047.3822930467	58591.735807944

11	<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 -</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	9.56715094	499.15267251462	58591.735807944
12	<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 -</b> Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height</p>	Sqm	55.6024455	662.689943368	58591.735807944

13	<p><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 &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	23.272188811059	6745.0940019502	58591.735807944
14	<p><b>R.C.C. Work (AR0410c) :</b>  <b>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</p>	Sqm	35.75650664	216.23489289764	58591.735807944

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>	Sqm	38.276036	1530.768123636	58591.735807944
<b>Total Amount (in Rs.): 935814.43918138</b>					

### LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<b>Pile Foundation (AR1501a) : Single under reamed pile foundation 375 mm dia and 6.0 meter long with RCC M20 using 12mm size black hard granite (Crusher broken) stone chips. -</b> Single under-reamed pile foundation with RCC M-20 using 12mm size black granite (Crusher broken) stone chips including cost of boring and including the labour charges, convenience, royalty, taxes of all materials, labour and T&P required for the work etc. but excluding the cost of M.S./Tor steel complete and as per direction of Engineer-in charge. (375mm dia and 6.0 meter long).	-	25	Nos
i	Semi-Skilled	0.050453	1.261325	-
ii	Highly-Skilled	2.5	62.5	-
iii	Un-Skilled	1.1733	29.3325	-
iv	Skilled	0.088	2.2	-

2	<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&P required for the work, etc. complete and as per direction of Engineer-in-charge.	-	7.773598728	Cum
i	Un-Skilled	2.96	23.00985223488	-
ii	Skilled	1.05	8.1622786644	-
iii	Highly-Skilled	0.35	2.7207595548	-

3	<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>	-	20.16740618752	Cum
i	Un-Skilled	2.96	59.695522315059	-
ii	Skilled	1.05	21.175776496896	-
iii	Highly-Skilled	0.35	7.058592165632	-
4	<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>	-	37.73072016	Cum
i	Un-Skilled	0.1236	4.663517011776	-

5	<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>	-	18	Qntl
i	Un-Skilled	0.8	14.4	-
ii	Highly-Skilled	0.3	5.4	-
iii	Semi-Skilled	0.044	0.792	-
6	<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>	-	42.0386075	Sqm
i	Un-Skilled	0.17	7.146563275	-

	ii	Skilled	0.14	5.88540505	-
7		<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>	-	67.4661586	Sqm
	i	Un-Skilled	0.12	8.095939032	-
	ii	Skilled	0.14	9.445262204	-
8		<b>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 &amp; P required for the work etc comp.and as per direction of Engineer-in-charge.</b>	-	100.613949	Sqm
	i	Un-Skilled	0.24	24.14734776	-
	ii	Skilled	0.16	16.09823184	-

9	<p><b>Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over masonry work in inside.</b> - 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 &amp; P required for the work etc comp.and as per direction of Engineer-in-charge.</p>	-	55.6024455	Sqm
i	Un-Skilled	0.24	13.34458692	-
ii	Skilled	0.16	8.89639128	-
10	<p><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 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>	-	49.6411944408	Sqm
i	Semi-Skilled	0.6547619047619	32.503163026714	-
ii	Skilled	0.6547619047619	32.503163026714	-

11	<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>	-	9.56715094	Sqm
i	Semi-Skilled	0.16025641025641	1.5331972660256	-
ii	Skilled	0.16025641025641	1.5331972660256	-
12	<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>	-	55.6024455	Sqm
i	Semi-Skilled	0.30555555555556	16.989636125	-
ii	Skilled	0.30555555555556	16.989636125	-

13	<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)	-	23.272188811059	Cum
i	Un-Skilled	1.3333	31.028809341785	-
ii	Skilled	0.1	2.3272188811059	-
iii	Semi-Skilled	0.0573	1.3334964188737	-

14	<p><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</p>	-	35.75650664	Sqm	
	i	Semi-Skilled	0.05	1.787825332	-
	ii	Skilled	0.05	1.787825332	-
15	<p><b>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) -</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>	-	38.276036	Sqm	

i	Highly-Skilled	0.325	12.4397117	-
ii	Un-Skilled	0.325	12.4397117	-
iii	Semi-Skilled	0.76	29.08978736	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Semi-Skilled	85.290430528614	512	43668.70043065
1	Highly-Skilled	90.119063420432	612	55152.866813304
2	Un-Skilled	227.3043495905	462	105014.60951081
3	Skilled	127.00438616614	562	71376.465025372
<b>Total:</b>				<b>275212.64178014</b>

## 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><b>Pile Foundation(AR1501a)</b>  <b>∴Single under reamed pile foundation 375 mm dia and 6.0 meter long with RCC M20 using 12mm size black hard granite (Crusher broken) stone chips.</b> - Single under-reamed pile foundation with RCC M-20 using 12mm size black granite (Crusher broken) stone chips including cost of boring and including the labour charges, convenience, royalty, taxes of all materials, labour and T&amp;P required for the work etc. but excluding the cost of M.S./Tor steel complete and as per direction of Engineer-in charge. (375mm dia and 6.0 meter long).</p>	-	25	Nos
i)	<b>BRM340</b> : Cement	3.34053	83.51325	1 Qntl.
ii)	<b>BRM342</b> : Tripod	0.5	12.5	Per day
iii)	<b>BRM178</b> : Bentonite powder	1.25	31.25	1Qntl
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.396	9.9	1 Cum
v)	<b>BRM056</b> : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.792	19.8	1 Cum.

2	<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>	-	7.773598728	Cum
i)	<b>BRM340</b> : Cement	0.672	5.223858345216	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	2.17660764384	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	2720.7595548	1000 Nos
3	<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>	-	20.16740618752	Cum

i)	<b>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</b>	1	20.16740618752	1 Cum
ii)	<b>BRM340 : Cement</b>	0.672	13.552496958013	1 Qntl.
iii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.28	5.6468737325056	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	7058.592165632	1000 Nos
4	<b>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 &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</b>	-	<b>37.73072016</b>	Cum
i)	<b>BRM029 : Sand for filling and road blinding</b>	1	37.73072016	1 Cum
5	<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>	-	<b>18</b>	Qntl
i)	<b>BRM162 : Binding Wire.</b>	0.8	14.4	1 Kg.
ii)	<b>BRM341 : Steel</b>	1.05	18.9	1 Qntl.

6	<b>Plastering (AR1027)</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 & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.	-	<b>42.0386075</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0372	1.563836199	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0075	0.31528955625	1 Cum
7	<b>Plastering (AR1004)</b> :.12mm thick cement plaster (1:6) over Brick work in inside - 12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp. and as per direction of Engineer-in-charge.	-	<b>67.4661586</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0358	2.41528847788	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	1.011992379	1 Cum

8	<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.	-	<b>100.613949</b>	Sqm
i)	<b>BRM340</b> : Cement	0.043	4.326399807	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	1.811051082	1 Cum
9	<b>Plastering (AR1017) :.20mm thick cement Plaster in CM (1:4) over masonry work in inside.</b> - 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.	-	<b>55.6024455</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0744	4.1368219452	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.021	1.1676513555	1 Cum

10	<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>	-	<b>49.6411944408</b>	Sqm
i)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	27.420850262537	1Mtr
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.25766143781177	1Cum.
11	<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>	-	<b>9.56715094</b>	Sqm
i)	<b>BRM094</b> : Non-sal bullahs 125mm. mean dia of any length.	0.26923076923077	2.5757714069231	1Mtr.
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.050656837669487	1Cum.

12	<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>	-	55.6024455	Sqm
i)	<b>BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.</b>	0.622222222222222	34.5970772	1Mtr
ii)	<b>BRM104 : Non Sal wood scantling &amp; plants(Tentera, Kasi, Gamhari, Kuruma)</b>	0.005022222222222	0.2792478374	1Cum.
13	<b>R.C.C. Work (AR0404A) :.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)</b>	-	23.272188811059	Cum
i)	<b>BRM340 : Cement</b>	3.4733	80.831293397451	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.45	10.472484964977	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	8.3779879719812	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	12.566981957972	1 Cum.
14	<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	-	<b>35.75650664</b>	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.0954698727288	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	4.50531983664	1Mtr.

15	<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.	-		<b>38.276036</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		38.276036	1 Sqm.
ii)	<b>BRMMR0027</b> : Wax Polish	1		38.276036	1 Sqm
iii)	<b>BRM340</b> : Cement	0.1375		5.26295495	1 Qntl.
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015		0.57414054	1 Cum

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM340</b>	200.82620007976	1 Qntl.	570.467	114564.7198809
2	<b>BRM342</b>	12.5	Per day	450	5625
3	<b>BRM178</b>	31.25	1Qntl	337.87	10558.4375
4	<b>BRM028</b>	33.076091254072	1 Cum	743.49	24591.74308649
5	<b>BRM056</b>	19.8	1 Cum.	2580.53	51094.494
6	<b>BRM005</b>	9779.351720432	1000 Nos	6.89015	67381.200256535
7	<b>BRMMR0025</b>	20.16740618752	1 Cum	33	665.52440418816
8	<b>BRM029</b>	37.73072016	1 Cum	738.55	27866.023374168
9	<b>BRM162</b>	14.4	1 Kg.	90	1296

10	<b>BRM341</b>	18.9	1 Qntl.	6379.007	120563.2323
11	<b>BRM084</b>	62.017927462537	1Mtr	250.166	15514.776841593
12	<b>BRM104</b>	0.68303598561006	1Cum.	58573.086	40007.525526233
13	<b>BRM094</b>	2.5757714069231	1Mtr.	240.106	618.45816943067
14	<b>BRM060</b>	8.3779879719812	1 Cum.	2602.58	21804.383936119
15	<b>BRM052</b>	12.566981957972	1 Cum.	2566.2	32249.389100547
16	<b>BRM092</b>	4.50531983664	1Mtr.	229.106	1032.1958064932
17	<b>BRM131</b>	38.276036	1 Sqm.	660.6811111	25288.253992984
18	<b>BRMMR0027</b>	38.276036	1 Sqm	8.5	325.346306
<b>Total: 561046.70448168</b>					

## ROYALTY STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Pile Foundation(AR1501a)</b> :.Single under reamed pile foundation 375 mm dia and 6.0 meter long with RCC M20 using 12mm size black hard granite (Crusher broken) stone chips. - Single under-reamed pile foundation with RCC M-20 using 12mm size black granite (Crusher broken) stone chips including cost of boring and including the labour charges, convenience, royalty, taxes of all materials, labour and T&P required for the work etc. but excluding the cost of M.S./Tor steel complete and as per direction of Engineer-in charge. (375mm dia and 6.0 meter long).	-	25	Nos
i)	<b>BRM340</b> : Cement	3.34053	83.51325	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.396	9.9	1 Cum

iii)	<b>BRM056</b> : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.792	19.8	1 Cum.
2	<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&P required for the work, etc. complete and as per direction of Engineer-in-charge.	-	<b>7.773598728</b>	Cum
i)	<b>BRM340</b> : Cement	0.672	5.223858345216	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	2.17660764384	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 ± 2 %	350	2720.7595548	1000 Nos

3	<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>	-	<b>20.16740618752</b>	Cum
i)	<b>BRM340</b> : Cement	0.672	13.552496958013	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	5.6468737325056	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 ± 2 %	350	7058.592165632	1000 Nos
4	<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>	-	<b>37.73072016</b>	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	37.73072016	1 Cum

5	<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.	-	18	Qntl
i)	<b>BRM341 : Steel</b>	1.05	18.9	1 Qntl.
6	<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 & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.	-	42.0386075	Sqm
i)	<b>BRM340 : Cement</b>	0.0372	1.563836199	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.0075	0.31528955625	1 Cum

7	<b>Plastering (AR1004)</b> :.12mm thick cement plaster (1:6) over Brick work in inside - 12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp.and as per direction of Engineer-in-charge.	-	<b>67.4661586</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0358	2.41528847788	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	1.011992379	1 Cum
8	<b>Plastering (AR1014)</b> :.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.	-	<b>100.613949</b>	Sqm
i)	<b>BRM340</b> : Cement	0.043	4.326399807	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	1.811051082	1 Cum

9	<b>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 &amp; P required for the work etc comp.and as per direction of Engineer-in-charge.</b>	-	<b>55.6024455</b>	Sqm
i)	<b>BRM340 : Cement</b>	0.0744	4.1368219452	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.021	1.1676513555	1 Cum
10	<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>	-	<b>49.6411944408</b>	Sqm
i)	<b>BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.</b>	0.0056666666666667	0.2813001018312	1Mtr
ii)	<b>BRM104 : Non Sal wood scantling &amp; plants(Tentera, Kasi, Gamhari, Kuruma)</b>	0.0051904761904762	0.25766143781177	1Cum.

11	<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>	-	<b>9.56715094</b>	Sqm
i)	<b>BRM094</b> : Non-sal bullahs 125mm. mean dia of any length.	0.0035384615384615	0.033852995633846	1Mtr.
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.050656837669487	1Cum.
12	<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>	-	<b>55.6024455</b>	Sqm
i)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.0076666666666667	0.4262854155	1Mtr
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0050222222222222	0.2792478374	1Cum.

13	<p><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 &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>	-	<b>23.272188811059</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	80.831293397451	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	10.472484964977	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	8.3779879719812	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	12.566981957972	1 Cum.

14	<p><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</p>	-	<b>35.75650664</b>	Sqm
i)	<p><b>BRM104</b> : Non Sal wood scantling &amp; plants(Tentera, Kasi, Gamhari, Kuruma)</p>	0.00267	0.0954698727288	1Cum.
ii)	<p><b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.</p>	0.000614	0.02195449507696	1Mtr.
15	<p><b>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) -</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>38.276036</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 Ia) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	38.276036	1 Sqm.
ii)	<b>BRM340</b> : Cement	0.1375	5.26295495	1 Qntl.
iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.57414054	1 Cum

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM028</b>	33.076091254072	1 Cum	344.25	11386.444414214
2	<b>BRM056</b>	19.8	1 Cum.	522.5	10345.5
3	<b>BRM029</b>	37.73072016	1 Cum	344.25	12988.80041508
4	<b>BRM060</b>	8.3779879719812	1 Cum.	522.5	4377.4987153602
5	<b>BRM052</b>	12.566981957972	1 Cum.	522.5	6566.2480730403
<b>Total: 45664.491617695</b>					

#### ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for EI Work @ Rs. 8000	Rs. 8000
2	Provision for Contingency @ Rs. 10000	Rs. 10000
3	Display Citizen Board @ Rs. 2000	Rs. 2000
4	Any Other Lumpsum @ Rs. 44185.55	Rs. 44185.55
<b>Total Addition Component Amount (in Rs.): 64185.55</b>		

**Total Net Amount (in Rs.): 999999.98918138**