

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Bhadrak	<b>Block</b>	Bhadrak	<b>Gram Panchayat</b>	Korkora

<b>Work Code</b>	OD/348/3323/116637/394818/00016499 (Repair & Maintenance Of Kalyan Mandap At Village-Korkora Under Korkora G.P.)
<b>Project Category</b>	Building

<b>Financial Year</b>	2024-25	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Bhadrak	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	-	<b>Date of Completion</b>	
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	Maintenance of Capital Assets
<b>Project Sub-Category</b>	Kalyan Mandap	<b>Project Type</b>	Repair and Maintenance
<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>	
<b>Fund Sanction Amount (in Rs.)</b>	400000

### ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
1	<b>Dismantling (AR1613) : Removing old lime or cement plaster -</b> Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	Sqm	137.47	50.174193548387	6897.4463870968

2	<p><b>miscellaneous (ARM122) : Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge. -</b>  Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.</p>	Sqm	689.882	5.12	3532.19584
3	<p><b>Concrete (AR0307a) : Cement concrete (1:2:4)with 12mm size hard granite(Hand broken)chips per 1cum -</b> Cement concrete work with (1:2:4) using 12mm size hard granite(hand broken) chips including hoisting and laying in position compacting to proper thickness and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&amp;P required for the work etc. complete as per specificaion and direction of Engineer-in charge.</p>	Cum	1.04805	7797.56488876	8172.2378816649

4	<p style="text-align: center;"><b>R.C.C. Work (AR0404Aa) :</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 foundation, footing bases of column, mass concrete, pre-cast slabs etc.)</p>	Cum	1.035	7137.5022567417	7387.3148357277
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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	7.357036	5264.732632064	38732.82750447
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6	<p><b>Plastering (AR1004k) : 12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth(For repair and maintenance). - 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(For repair and maintenance).</b></p>	Sqm	166.39864	180.6837550296	30065.531107019
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7	<p style="text-align: center;"><b>Other Building Items. (AR1911) :</b>  <b>Stainless steel of 304 grade in hand railing using 50mm dia of 2mm</b>  - Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in staircase as per approved design and specification, buffing, polishing etc with cost, conveyance, taxes of all materials, labour, T&amp;P etc. required for the complete in all respect. and as per direction of Engineer in Charge</p>	Rmt	7.2420477682545	3129.0244276074	22660.544372768
8	<p style="text-align: center;"><b>Painting (AR0901d) :</b>  <b>Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)</b> - Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&amp;P required for the work complete as per direction of the Engineer-in-charge.</p>	Sqm	497.258	71.83753306751	35721.788018084

9	<p style="text-align: center;"><b>Painting (AR0901di) :</b>  <b>Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface ) -</b>  Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&amp;P required for the work complete as per direction of the Engineer-in-charge.</p>	Sqm	207.024	72.855030353548	15082.739803913
10	<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	1.26	16514.133087087	20807.80768973

11	<p style="text-align: center;"><b>Painting (AR0918cb) :</b>  <b>Finishing wall two coats with weather coat with one coat waterbound Primer -</b> Finishing wall two coats with weather coat with one coat waterbound 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	206.844	160.72822700355	33245.669386322
12	<p style="text-align: center;"><b>Flooring (AR0816j) :</b> <b>Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 -</b> Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the Chequered tiles including rubbing and polishing, cost of precast tiles complete as per direction of Enginer-in-charge.</p>	Sqm	37	990.2797999344	36640.352597573

13	<p style="text-align: center;"><b>Flooring (AR0816e) :</b>  <b>Fixing Granite  Tiles Up to 0.10  Sqm. 10mm thick  in floor , treads or  steps and landing  on a 25mm thick  bed of cement  mortar 1:1 -</b>  Fixing Granite Tiles  Up to 0.10 Sqm.  10mm thick in floor  , treads or steps  and landing on a  25mm thick bed of  cement mortar 1:1  (1cement: 1sand)  jointed with neat  cement slurry  mixed with pigment  to match the  shades of the  Granite tiles  including rubbing  and polishing, cost  of precast tiles  complete as per  direction of  Engineer-in-charge.</p>	Sqm	5.56134	1954.6151750354	10870.279557531
14	<p><b>Plastering (AR1014k) :</b>  <b>16mm thick  cement Plaster in  CM (1:6) over  brick work in  inside  (inside)(For repair  and maintenance)</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(For repair  and maintenance).</p>	Sqm	45.58	257.907986016	11755.446002609

15	<p><b>Plastering (AR1027k) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside (Inside)(For repair and maintenance). -</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(For repair and maintenance).</p>	Sqm	8.8	196.6520960964	1730.5384456483
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16	<p style="text-align: center;"><b>R.C.C.</b></p> <p><b>Work (AR0404Ac) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b></p> <p>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	0.3375	15197.191777197	5129.052224804
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17	<p style="text-align: center;"><b>Concrete (AR0309a) : Cement Concrete (1:3:6) with 12mm size hard broken granite Hand Broken chips -</b></p> <p>Cement Concrete (1:3:6) with 12mm size hard granite (Hand Broken) chips 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 as per specification and direction of Engineer-in charge.</p>	Cum	0.45	7046.1878158	3170.78451711
18	<p style="text-align: center;"><b>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</b></p> <p>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	0.45	1226.456332	551.9053494

19	<p align="center"><b>Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory -</b></p> <p>Supplying, fitting &amp; fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&amp;P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)</p>	Sqm	4.95	1018.3337647018	5040.7521352739
20	<p align="center"><b>Flooring (AR0817bd) : Fixing Vitrified Tile 600mm x 1200mm size of approved shade and make (Single Charge) in wall cladding/ glazed tiles on 12mm thick cement plaster (1:3) -</b></p> <p>Fixing Vitrified Tile 600mm x 1200mm size of approved shade and make (Single Charge) in wall cladding/ glazed tiles 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	15.3	1083.1811054	16572.67091262

21	<p><b>Dismantling (AR1603) :</b>  <b>Dismantling brick or stone masonry under 3m. -</b>  Dismantling brick or stone masonry in lime or cement mortar under 3m. height including stacking the useful materials for reuse and removing the debris within 50m. Lead and as per direction of Engineer-in-Charge.</p>	Cum	5.5825	1401.5088339223	7823.9230653712
22	<p><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	1.4765	9208.467849	13596.302779048
<b>Total Amount (in Rs.): 335188.11041378</b>					

## LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<b>Dismantling (AR1613) : Removing old lime or cement plaster</b> - Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	137.47	Sqm
i	Un-Skilled	0.10752688172043	14.781720430108	-
2	<b>miscellaneous (ARM122) : Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.</b> - Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.	-	689.882	Sqm

3	<b>Concrete (AR0307a)</b> <b>: Cement concrete</b> <b>(1:2:4)with 12mm size</b> <b>hard granite(Hand</b> <b>broken)chips per</b> <b>1cum - Cement</b> concrete work with (1:2:4) using 12mm size hard granite(hand broken) chips including hoisting and laying in position compacting to proper thickness and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specifaion and direction of Engineer-in charge.	-	1.04805	Cum
i	Un-Skilled	4.6	4.82103	-
ii	Skilled	0.68	0.712674	-

4	<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.)	-	1.035	Cum
i	Un-Skilled	1.3333	1.3799655	-
ii	Skilled	0.175	0.181125	-
iii	Semi-Skilled	0.1323	0.1369305	-

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.	-	7.357036	Cum
i	Un-Skilled	2.96	21.77682656	-
ii	Skilled	1.05	7.7248878	-
iii	Highly-Skilled	0.35	2.5749626	-

6	<p><b>Plastering (AR1004k) : 12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth(For repair and maintenance). -</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(For repair and maintenance).</p>	-	166.39864	Sqm
i	Un-Skilled	0.1224	20.367193536	-
ii	Skilled	0.1428	23.761725792	-
7	<p><b>Other Building Items. (AR1911) : Stainless steel of 304 grade in hand railing using 50mm dia of 2mm -</b> Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in staircase as per approved design and specification, buffing, polishing etc with cost, conveyance, taxes of all materials, labour, T&amp;P etc. required for the complete in all respect. and as per direction of Engineer in Charge</p>	-	7.2420477682545	Rmt

	i	Semi-Skilled	0.27300613496933	1.9771234704744	-
	ii	Highly-Skilled	0.27300613496933	1.9771234704744	-
8		<b>Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) -</b> Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	-	497.258	Sqm
	i	Highly-Skilled	0.053763440860215	26.734301075269	-
	ii	Un-Skilled	0.053763440860215	26.734301075269	-
9		<b>Painting (AR0901di) : Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface ) -</b> Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	-	207.024	Sqm

	i	Highly-Skilled	0.053763440860215	11.130322580645	-
	ii	Un-Skilled	0.053763440860215	11.130322580645	-
10		<b>Iron Work (AR1704) : Iron Doors and windows fixing -</b> Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.	-	1.26	Qntl
	i	Un-Skilled	6.3976377952756	8.0610236220472	-
	ii	Semi-Skilled	1.9685039370079	2.4803149606299	-
	iii	Skilled	3.9370078740157	4.9606299212598	-
	iv	Highly-Skilled	3.4448818897638	4.3405511811024	-
11		<b>Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer -</b> Finishing wall two coats with weather coat with one coat waterbound 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)	-	206.844	Sqm

	i	Un-Skilled	0.11776344086022	24.35866116129	-
	ii	Highly-Skilled	0.10776344086022	22.29022116129	-
12		<b>Flooring (AR0816j) : Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 - Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the Chequered tiles including rubbing and polishing, cost of precast tiles complete as per direction of Enginer-in-charge.</b>	-	37	Sqm
	i	Un-Skilled	0.216	7.992	-
	ii	Highly-Skilled	0.216	7.992	-
	iii	Semi-Skilled	0.55	20.35	-

13	<p><b>Flooring (AR0816e) :</b>  <b>Fixing Granite Tiles</b>  <b>Up to 0.10 Sqm.</b>  <b>10mm thick in floor ,</b>  <b>treads or steps and</b>  <b>landing on a 25mm</b>  <b>thick bed of cement</b>  <b>mortar 1:1 -</b> Fixing  Granite Tiles Up to 0.10  Sqm. 10mm thick in  floor , treads or steps  and landing on a 25mm  thick bed of cement  mortar 1:1 (1cement:  1sand) jointed with neat  cement slurry mixed  with pigment to match  the shades of the  Granite tiles including  rubbing and polishing,  cost of precast tiles  complete as per  direction of Engineer-in-  charge.</p>	-	5.56134	Sqm
	i Un-Skilled	0.216	1.20124944	-
	ii Highly-Skilled	0.216	1.20124944	-
	iii Semi-Skilled	0.55	3.058737	-
14	<p><b>Plastering (AR1014k)</b>  <b>: 16mm thick cement</b>  <b>Plaster in CM (1:6)</b>  <b>over brick work in</b>  <b>inside (inside)(For</b>  <b>repair and</b>  <b>maintenance) . -</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(For repair and  maintenance).</p>	-	45.58	Sqm

	i	Un-Skilled	0.2448	11.157984	-
	ii	Skilled	0.1632	7.438656	-
15		<b>Plastering (AR1027k) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside (Inside)(For repair and maintenance).</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(For repair and maintenance).	-	8.8	Sqm
	i	Un-Skilled	0.1734	1.52592	-
	ii	Skilled	0.1428	1.25664	-

16	<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)	-	0.3375	Cum
i	Un-Skilled	1.3333	0.44998875	-
ii	Skilled	5.33875	1.801828125	-
iii	Semi-Skilled	5.29605	1.787416875	-

17	<p><b>Concrete (AR0309a)</b>  <b>: Cement Concrete (1:3:6) with 12mm size hard broken granite Hand Broken chips -</b>  Cement Concrete (1:3:6) with 12mm size hard granite (Hand Broken) chips 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 as per specification and direction of Engineer-in charge.</p>	-	0.45	Cum
i	Skilled	0.68	0.306	-
ii	Un-Skilled	4.6	2.07	-
18	<p><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>	-	0.45	Cum
i	Un-Skilled	0.1236	0.05562	-

19	<p><b>Other Building Items. (AR1901B) :</b>  <b>Vitrified Tile</b>  <b>600mmx600mm Plain Ivory</b> - Supplying, fitting &amp; fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&amp;P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)</p>	-	4.95	Sqm
i	Un-Skilled	0.216	1.0692	-
ii	Highly-Skilled	0.216	1.0692	-
20	<p><b>Flooring (AR0817bd) :</b>  <b>Fixing Vitrified Tile</b>  <b>600mm x 1200mm size of approved shade and make (Single Charge) in wall cladding/ glazed tiles on 12mm thick cement plaster (1:3) -</b>  Fixing Vitrified Tile 600mm x 1200mm size of approved shade and make (Single Charge) in wall cladding/ glazed tiles 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>	-	15.3	Sqm
i	Un-Skilled	0.325	4.9725	-

	ii	Highly-Skilled	0.325	4.9725	-
21		<b>Dismantling (AR1603) : Dismantling brick or stone masonry under 3m. - Dismantling brick or stone masonry in lime or cement mortar under 3m. height including stacking the useful materials for reuse and removing the debris within 50m. Lead and as per direction of Engineer-in-Charge.</b>	-	5.5825	Cum
	i	Un-Skilled	3.0035335689046	16.76722614841	-
22		<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>	-	1.4765	Qntl
	i	Un-Skilled	0.8	1.1812	-
	ii	Highly-Skilled	0.3	0.44295	-
	iii	Semi-Skilled	0.044	0.064966	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	181.85393280377	462	84016.516955341
2	Skilled	48.14416663826	562	27057.021650702
3	Semi-Skilled	29.855488806104	512	15286.010268725
4	Highly-Skilled	84.725381508781	612	51851.933483374
<b>Total:</b>				<b>178211.48235814</b>

## MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Dismantling (AR1613)</b> :.Removing old lime or cement plaster - Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	<b>137.47</b>	Sqm
2	<b>miscellaneous(ARM12 2)</b> :.Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge. - Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.	-	<b>689.882</b>	Sqm

i)	<b>BRMM122</b> : Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting)	1	689.882	Sqm
3	<b>Concrete (AR0307a)</b> :.Cement concrete (1:2:4)with 12mm size hard granite(Hand broken)chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(hand broken) chips including hoisting and laying in position compacting to proper thickness and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specificaion and direction of Engineer-in charge.	-	1.04805	Cum
i)	<b>BRM057</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)(Hand broken)	0.9	0.943245	1 Cum.
ii)	<b>BRM340</b> : Cement	3.23	3.3852015	1 Qntl.
iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	0.4716225	1 Cum

4	<p><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>	-	1.035	Cum
i)	<b>BRM340</b> : Cement	3.4733	3.5948655	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	0.46575	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	0.3726	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	0.5589	1 Cum.
v)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.004145175	1Cum.
vi)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.189	0.195615	1Mtr.

5	<p><b>Masonry Brick Work (AR0603bi) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure -</b>  Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm<sup>2</sup> with dimensional tolerance ±8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&amp;P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	7.357036	Cum
i)	<p><b>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</b></p>	1	7.357036	1 Cum
ii)	<p><b>BRM340 : Cement</b></p>	0.672	4.943928192	1 Qntl.
iii)	<p><b>BRM028 : Screened and washed sharp sand for mortar</b></p>	0.28	2.05997008	1 Cum
iv)	<p><b>BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm<sup>2</sup> with dimensional tolerance ± 2 %</b></p>	350	2574.9626	1000 Nos

6	<b>Plastering (AR1004k)</b> :.12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth(For repair and maintenance). - 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(For repair and maintenance).	-	<b>166.39864</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0358	5.957071312	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	2.4959796	1 Cum
7	<b>Other Building Items. (AR1911)</b> :.Stainless steel of 304 grade in hand railing using 50mm dia of 2mm - Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in staircase as per approved design and specification, buffing, polishing etc with cost,conveyance, taxes of all materials, labour,T&P etc. required for the complete in all respect. and as per direction of Engineer in Charge	-	<b>7.2420477682545</b>	Rmt
i)	<b>BRMMR0024</b> : Buffing, Polishing etc.	0.30674846625767	2.2214870454768	L.S.
ii)	<b>BRMMR0023</b> : Fabrication	10.478527607362	75.885997473489	kg

iii)	<b>BRMMR0022 :</b> Stainless steel square pipe bracing of size 32mmx32mmx2mm in 3 rows	5.101226993865	36.94332956628	kg
iv)	<b>BRMMR0021 :</b> Balustrade of size 30mmx32mmx2mm	1.8773006134969	13.595500718318	kg
v)	<b>BRMMR0020 :</b> Railing 50mm outer dia of 2mm thick	3.5	25.347167188891	kg
8	<b>Painting(AR0901d) :.Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) -</b> Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	-	<b>497.258</b>	Sqm
i)	<b>BRM253 :</b> Wall cement primer (I.S.I.) Water bound	0.084	41.769672	1 Ltr
9	<b>Painting(AR0901di) :.Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface) -</b> Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	-	<b>207.024</b>	Sqm
i)	<b>BRM253 :</b> Wall cement primer (I.S.I.) Water bound	0.090322580645161	18.698941935484	1 Ltr

10	<b>Iron Work(AR1704)</b> : <b>Iron Doors and windows fixing -</b> Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.	-	1.26	Qntl
i)	<b>BRM341 : Steel</b>	1	1.26	1 Qntl.
11	<b>Painting(AR0918cb)</b> : <b>Finishing wall two coats with weather coat with one coat waterbound Primer -</b> Finishing wall two coats with weather coat with one coat waterbound 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)	-	206.844	Sqm
i)	<b>BRM255 : Weather Coat (I.S.I.)</b>	0.125	25.8555	1 Ltr
ii)	<b>BRM253 : Wall cement primer (I.S.I.) Water bound</b>	0.090322580645161	18.682683870968	1 Ltr
12	<b>Flooring (AR0816j)</b> : <b>Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 -</b> Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the Chequered tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.	-	37	Sqm
i)	<b>BRM134 : Chequered Tiles.</b>	1	37	1 Sqm.

ii)	<b>BRMMR0027</b> : Wax Polish	1	37	1 Sqm
iii)	<b>BRM340</b> : Cement	0.2737	10.1269	1 Qntl.
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.013	0.481	1 Cum
13	<b>Flooring (AR0816e) :.Fixing Granite Tiles Up to 0.10 Sqm. 10mm thick in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 - Fixing Granite Tiles Up to 0.10 Sqm. 10mm thick in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the Granite tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.</b>	-	<b>5.56134</b>	Sqm
i)	<b>BRM123</b> : Granite Tiles Up to 0.10 Sqm. (10mm thick)	1	5.56134	1 Sqm.
ii)	<b>BRMMR0027</b> : Wax Polish	1	5.56134	1 Sqm
iii)	<b>BRM340</b> : Cement	0.2737	1.522138758	1 Qntl.
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.013	0.07229742	1 Cum

14	<p><b>Plastering (AR1014k)</b>  <b>::16mm thick cement Plaster in CM (1:6) over brick work in inside (inside)(For repair and maintenance) . -</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(For repair and maintenance).</p>	-	45.58	Sqm
i)	<b>BRM340</b> : Cement	0.043	1.95994	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	0.82044	1 Cum
15	<p><b>Plastering (AR1027k)</b>  <b>::6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside (Inside)(For repair and maintenance).</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, labor, and T &amp; P required for the work, etc comp. and as per the direction of the Engineer-in-charge(For repair and maintenance).</p>	-	8.8	Sqm
i)	<b>BRM340</b> : Cement	0.0372	0.32736	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0075	0.066	1 Cum

16	<p><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 &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>	-	<b>0.3375</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	1.17223875	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	0.151875	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	0.1215	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	0.18225	1 Cum.
v)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	4.4196	1.491615	1Mtr
vi)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	0.0140160375	1Cum.

17	<p><b>Concrete (AR0309a)</b>  <b>:.Cement Concrete (1:3:6) with 12mm size hard broken granite Hand Broken chips -</b>  Cement Concrete (1:3:6) with 12mm size hard granite (Hand Broken) chips 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 as per specification and direction of Engineer-in charge.</p>	-	0.45	Cum
i)	<p><b>BRM057</b> : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve &amp; retained on 9.50mm sieve but whole should pass through 19mm sieve)(Hand broken)</p>	0.9	0.405	1 Cum.
ii)	<p><b>BRM340</b> : Cement</p>	2.15	0.9675	1 Qntl.
iii)	<p><b>BRM028</b> : Screened and washed sharp sand for mortar</p>	0.45	0.2025	1 Cum
18	<p><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>	-	0.45	Cum
i)	<p><b>BRM029</b> : Sand for filling and road blinding</p>	1	0.45	1 Cum

19	<p><b>Other Building Items. (AR1901B) :.Vitrified Tile 600mmx600mm Plain Ivory -</b>  Supplying, fitting &amp; fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&amp;P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)</p>	-	4.95	Sqm
i)	<b>BRM174</b> : White Cement.	0.0076	0.03762	1Qntl
ii)	<b>BRM340</b> : Cement	0.1074	0.53163	1 Qntl.
iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.021	0.10395	1 Cum
iv)	<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	4.95	1 Sqm.
20	<p><b>Flooring (AR0817bd) :.Fixing Vitrified Tile 600mm x 1200mm size of approved shade and make (Single Charge) in wall cladding/ glazed tiles on 12mm thick cement plaster (1:3) -</b>  Fixing Vitrified Tile 600mm x 1200mm size of approved shade and make (Single Charge) in wall cladding/ glazed tiles 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>	-	15.3	Sqm

i)	<b>BRMM332</b> : Vitrified Floor Tile 600mm x 1200mm size of approved shade and make (Single Charge) (New miscellaneous Materials)	1	15.3	1 Sqm.
ii)	<b>BRM340</b> : Cement	0.1375	2.10375	1 Qntl.
iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.2295	1 Cum
21	<b>Dismantling (AR1603) :Dismantling brick or stone masonry under 3m.</b> - Dismantling brick or stone masonry in lime or cement mortar under 3m. height including stacking the useful materials for reuse and removing the debris within 50m. Lead and as per direction of Engineer-in-Charge.	-	<b>5.5825</b>	Cum
22	<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>1.4765</b>	Qntl
i)	<b>BRM162</b> : Binding Wire.	0.8	1.1812	1 Kg.
ii)	<b>BRM341</b> : Steel	1.05	1.550325	1 Qntl.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRMM122</b>	689.882	Sqm	5.12	3532.19584
2	<b>BRM057</b>	1.348245	1 Cum.	2145.01	2891.99900745
3	<b>BRM340</b>	36.592524012	1 Qntl.	544.872	19938.241743466
4	<b>BRM028</b>	7.6208846	1 Cum	847.65	6459.84283119

5	BRM060	0.4941	1 Cum.	2488.61	1229.622201
6	BRM052	0.74115	1 Cum.	2455.8	1820.11617
7	BRM104	0.0181612125	1Cum.	58620.646	1064.6220088933
8	BRM092	0.195615	1Mtr.	276.666	54.12001959
9	BRMMR0025	7.357036	1 Cum	33	242.782188
10	BRM005	2574.9626	1000 Nos	6.30115	16225.22558699
11	BRMMR0024	2.2214870454768	L.S.	178.42	396.35771865398
12	BRMMR0023	75.885997473489	kg	10	758.85997473489
13	BRMMR0022	36.94332956628	kg	256.62	9480.3972332987
14	BRMMR0021	13.595500718318	kg	256.62	3488.8773943348
15	BRMMR0020	25.347167188891	kg	240.24	6089.4034454591
16	BRM253	79.151297806452	1 Ltr	159.33732	12611.755667002
17	BRM341	2.810325	1 Qntl.	6840.432	19223.8370604
18	BRM255	25.8555	1 Ltr	195.09732	5044.33875726
19	BRM134	37	1 Sqm.	254.75	9425.75
20	BRMMR0027	42.56134	1 Sqm	8.5	361.77139
21	BRM123	5.56134	1 Sqm.	1193.0875001	6635.1652378061
22	BRM084	1.491615	1Mtr	297.726	444.09256749
23	BRM029	0.45	1 Cum	842.71	379.2195
24	BRM174	0.03762	1Qntl	2047.912	77.04244944
25	BRM131	4.95	1 Sqm.	662.3175001	3278.471625495
26	BRMM332	15.3	1 Sqm.	611.26	9352.278
27	BRM162	1.1812	1 Kg.	90.1	106.42612
<b>Total: 140612.81173795</b>					

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM057	1.348245	1 Cum.	594	800.85753
2	BRM028	7.6208846	1 Cum	314.5	2396.7682067
3	BRM060	0.4941	1 Cum.	594	293.4954
4	BRM052	0.74115	1 Cum.	594	440.2431
5	BRM005	2574.9626	1000 Nos	0.04025	103.64224465
6	BRM123	5.56134	1 Sqm.	16.45	91.484043
7	BRM029	0.45	1 Cum	314.5	141.525
<b>Total: 4268.01552435</b>					

## ADDITION COMPONENT

<b>Sl.No.</b>	<b>Item Name</b>	<b>Amount (in Rs.)</b>
1	Provision for PH Work @ Rs. 30000	Rs. 30000
2	Provision for EI Work @ Rs. 20000	Rs. 20000
3	Provision for Contingency @ 1%	Rs. 3351.8811041378
4	Display Citizen Board @ Rs. 2000	Rs. 2000
5	Any Other Lumpsum @ Rs. 9000	Rs. 9000
<b>Total Addition Component Amount (in Rs.): 64351.881104138</b>		

**Total Net Amount (in Rs.): 399539.99151792**