

Estimate Abstract

OD/361/3452/119456/385953/00014287 : CONSTRUCTION OF VANA SURAKHYA  
SAMITI BUILDING AT AHARPOSI

Block : Kendujhar Sadar, Panchayat : Kandaraposi

Created By:Ranjan Kumar Swain

| Sl No | Description of work  | Quantity       | Unit        | Rate in (Rs.) | Amount (Rs.)    |
|-------|--|----------------|-------------|---------------|-----------------|
| 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 | 29.32896419424 | Cubic Meter | 235.56432     | 6908.8575067205 |

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| 2 | <p><b>Earth Work :<br/>AR0115 (Filling<br/>foundation and<br/>plinth with sand<br/>well watered and<br/>rammed) :</b> Filling<br/>foundation and<br/>plinth with sand<br/>well watered and<br/>rammed including<br/>cost, conveyance,<br/>royalty, taxes of all<br/>materials, labours<br/>and T &amp; P required<br/>for the work etc.<br/>complete and as<br/>per direction of<br/>Engineer-in<br/>charge.</p>  | 14.229416608858 | Cubic<br>Meter | 1144.761472   | 16289.287902858 |
| 3 | <p><b>Concrete :<br/>AR0303 (Cement<br/>concrete (1:3:6)<br/>with 4 cm.<br/>Crusher Broken<br/>hard granite<br/>metal) :</b> Cement<br/>concrete (1:3:6)<br/>with 4 cm. hard<br/>granite(Crusher<br/>Broken) metal<br/>including laying in<br/>layers not<br/>exceeding 300 mm<br/>in depth, ramming,<br/>compacting to<br/>proper thickness,<br/>watering and<br/>curing for proper<br/>period with cost<br/>conveyance,<br/>royalty, taxes of all<br/>materials, labour<br/>and T&amp;P required<br/>for the work etc.<br/>complete and as<br/>per direction of<br/>Engineer-in<br/>charge.</p> | 6.920634273456  | Cubic<br>Meter | 6245.65803234 | 43223.915038898 |

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| 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><br/> 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> | 9.3444963428256 | Cubic Meter | 5246.277452312 | 49023.820466578 |
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| 5 | <p><b>R.C.C. Work :<br/>AR0404Aa<br/>(Reinforced<br/>cement concrete<br/>work of M-20<br/>grade with 20mm<br/>&amp; down grade<br/>size black hard<br/>crusher broken<br/>granite chips) :</b><br/>Reinforced cement<br/>concrete work of<br/>M-20 grade with<br/>20mm &amp; down<br/>grade size black<br/>hard crusher<br/>broken granite<br/>chips including<br/>hoisting and laying<br/>in position<br/>compacting to<br/>specified design<br/>section and curing<br/>for proper period<br/>with cost<br/>conveyance,<br/>royalty,taxes of all<br/>materials, labour<br/>and T&amp;P required<br/>for the work etc.<br/>(including centring<br/>and shuttering)<br/>complete and as<br/>per direction of<br/>Engineer-in charge<br/>(RCC foundation,<br/>footing bases of<br/>column, mass<br/>concrete, pre-cast<br/>slabs etc.)</p> | 2.596084224 | Cubic<br>Meter | 6801.1774306283 | 17656.429432279 |
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| 6 | <p><b>R.C.C. Work :<br/>AR0404Ab<br/>(Reinforced<br/>cement concrete<br/>work of M-20<br/>grade with 20mm<br/>&amp; down grade<br/>size black hard<br/>crusher broken<br/>granite chips) :</b><br/>Reinforced cement<br/>concrete work of<br/>M-20 grade with<br/>20mm &amp; down<br/>grade size black<br/>hard crusher<br/>broken granite<br/>chips including<br/>hoisting and laying<br/>in position<br/>compacting to<br/>specified design<br/>section and curing<br/>for proper period<br/>with cost<br/>conveyance,<br/>royalty,taxes of all<br/>materials, labour<br/>and T&amp;P required<br/>for the work etc.<br/>(including centring<br/>and shuttering)<br/>complete and as<br/>per direction of<br/>Engineer-in charge<br/>(RCC Plinth band)</p> | 2.070715129648 | Cubic<br>Meter | 7554.46455577 | 15643.144052022 |
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| 7 | <p><b>R.C.C. Work :<br/>AR0404Ac<br/>(Reinforced<br/>cement concrete<br/>work of M-20<br/>grade with 20mm<br/>&amp; down grade<br/>size black hard<br/>crusher broken<br/>granite chips) :</b><br/>Reinforced cement<br/>concrete work of<br/>M-20 grade with<br/>20mm &amp; down<br/>grade size black<br/>hard crusher<br/>broken granite<br/>chips including<br/>hoisting and laying<br/>in position<br/>compacting to<br/>specified design<br/>section and curing<br/>for proper period<br/>with cost<br/>conveyance,<br/>royalty,taxes of all<br/>materials, labour<br/>and T&amp;P required<br/>for the work etc.<br/>(including centring<br/>and shuttering)<br/>complete and as<br/>per direction of<br/>Engineer-in<br/>charge. (RCC<br/>Beams, Column,<br/>Girder &amp; Bressmer<br/>etc)</p> | 3.7275739692832 | Cubic<br>Meter | 14752.623067948 | 54991.49372673 |
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| 8 | <p><b>R.C.C. Work :<br/>AR0404Ad<br/>(Reinforced<br/>cement concrete<br/>work of M-20<br/>grade with 20mm<br/>&amp; down grade<br/>size black hard<br/>crusher broken<br/>granite chips) :</b><br/>Reinforced cement<br/>concrete work of<br/>M-20 grade with<br/>20mm &amp; down<br/>grade size black<br/>hard crusher<br/>broken granite<br/>chips including<br/>hoisting and laying<br/>in position<br/>compacting to<br/>specified design<br/>section and curing<br/>for proper period<br/>with cost<br/>conveyance,<br/>royalty,taxes of all<br/>materials, labour<br/>and T&amp;P required<br/>for the work etc.<br/>(including centring<br/>and shuttering)<br/>complete and as<br/>per direction of<br/>Engineer-in charge<br/>(RCC Lintels)</p> | 1.20234407056 | Cubic<br>Meter | 13421.652909159 | 16137.444792442 |
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| 9 | <p><b>R.C.C. Work :<br/>AR0404Af<br/>(Reinforced<br/>cement concrete<br/>work of M-20<br/>grade with 20mm<br/>&amp; down grade<br/>size black hard<br/>crusher broken<br/>granite chips) :</b><br/>Reinforced cement<br/>concrete work of<br/>M-20 grade with<br/>20mm &amp; down<br/>grade size black<br/>hard crusher<br/>broken granite<br/>chips including<br/>hoisting and laying<br/>in position<br/>compacting to<br/>specified design<br/>section and curing<br/>for proper period<br/>with cost<br/>conveyance,<br/>royalty,taxes of all<br/>materials, labour<br/>and T&amp;P required<br/>for the work etc.<br/>(including centring<br/>and shuttering)<br/>complete and as<br/>per direction of<br/>Engineer-in charge<br/>(RCC Sun sheds &amp;<br/>Chajja)</p> | 6.78098997 | Square<br>Meter | 1126.9344454212 | 7641.7311712487 |
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| 10 | <p><b>R.C.C. Work :<br/>AR0404Ag<br/>(Reinforced<br/>cement concrete<br/>work of M-20<br/>&amp; down grade<br/>size black hard<br/>crusher broken<br/>granite chips) :</b><br/>Reinforced cement<br/>concrete work of<br/>M-20 grade with<br/>20mm &amp; down<br/>grade size black<br/>hard crusher<br/>broken granite<br/>chips including<br/>hoisting and laying<br/>in position<br/>compacting to<br/>specified design<br/>section and curing<br/>for proper period<br/>with cost<br/>conveyance,<br/>royalty,taxes of all<br/>materials, labour<br/>and T&amp;P required<br/>for the work etc.<br/>(including centring<br/>and shuttering)<br/>complete and as<br/>per direction of<br/>Engineer-in charge<br/>(RCC Roof slab,<br/>landing, balcony,<br/>sun shade)</p> | 5.959564629968 | Cubic<br>Meter | 13042.860785018 | 77729.77180799 |
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| 11 | <p><b>Plastering :<br/>AR1017 (20mm thick cement Plaster in CM (1:4) over brick work in inside.) :</b><br/>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> | 43.57429409 | Square Meter | 276.6913647024 | 12056.630897706 |
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| 12 | <p><b>Plastering : AR1004i (12mm thick cement plaster (1:6) over Brick work in outside.) : 12mm thick cement plaster (1:6) over Brick work in outside 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> | 120.4995202798 | Square Meter | 175.7076019068 | 21172.681739283 |
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| 13 | <p><b>Plastering :</b><br/> <b>AR1014 (16mm thick cement Plaster in CM (1:6) over brick work in inside.) :</b><br/> 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> | 115.40968078 | Square Meter | 250.244374878  | 28880.623421661 |
| 14 | <p><b>Flooring :</b><br/> <b>AR0802i (2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips) :</b> 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips including punning incl. cost, conveyance &amp; royalty of materials as per direction of Engineer-in-charge.</p>  | 1.393545     | Square Meter | 380.0287637068 | 529.58718351979 |

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| 15 | <p><b>Other Building Items. : AR1901B (Vitrified Tile 600mmx600mm Plain Ivory) :</b><br/> 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> | 29.0131981268 | Square Meter | 1147.8670658338 | 33303.294604265 |
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| 16 | <p><b>Flooring :</b><br/> <b>AR0816</b><br/> <b>(30cmx30cm /</b><br/> <b>40cmx40cm</b><br/> <b>special</b><br/> <b>plain/printed</b><br/> <b>series ceramic</b><br/> <b>floor tiles of</b><br/> <b>premium grade</b><br/> <b>having thickness</b><br/> <b>7mm to 8mm</b><br/> <b>confirming to IS</b><br/> <b>13755) :</b> Fixing<br/> Marble Tiles in<br/> floor (30cmx30cm<br/> / 40cmx40cm<br/> special<br/> plain/printed series<br/> ceramic floor tiles<br/> of premium grade<br/> having thickness<br/> 7mm to 8mm<br/> confirming to IS<br/> 13755), treads, or<br/> steps and landing<br/> on a 25mm thick<br/> bed of cement<br/> mortar 1:1<br/> (1cement: 1sand)<br/> jointed with neat<br/> cement slurry<br/> mixed with<br/> pigment to match<br/> the shades of the<br/> tiles including<br/> rubbing and<br/> polishing, cost of<br/> precast tiles<br/> complete as per<br/> direction of<br/> Enginer-in-charge.</p> | 3.5210237 | Square<br>Meter | 1289.4883323312 | 4540.3189790116 |
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| 17 | <p><b>Flooring :</b><br/> <b>AR0817b (Glazed tiles in wall cladding up to 20cmx30cm / 20cm x 20cm special plain /printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding / Glazed Tile on 12mm thick cement plaster (1:3)) :</b><br/> Fixing Marble Tiles in floor (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge</p> | 10.5259099 | Square Meter | 966.363811126 | 10171.858406533 |
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| 18 | <p><b>Iron Work :<br/>AR1704 (Iron<br/>Doors and<br/>windows fixing) :</b><br/>Supplying, fitting<br/>&amp; fixing of Mild<br/>steel and put up for<br/>frames &amp; shutters<br/>of Doors and<br/>windows fixing in<br/>position with cost,<br/>conveyance, taxes<br/>of all materials,<br/>labours and T &amp; P<br/>required for the<br/>work etc. as per<br/>direction of<br/>Engineer-in-<br/>charge.</p>                        | 3.3405       | Quintal         | 16419.924614976 | 54850.758176327 |
| 19 | <p><b>Painting :<br/>AR0918cb<br/>(Finishing wall<br/>two coats with<br/>weather coat with<br/>one coat<br/>waterbound<br/>Primer) :</b><br/>Finishing wall two<br/>coats with weather<br/>coat with one coat<br/>waterbound Primer<br/>including all costs<br/>of labour, Paint,<br/>Primer, Brushes<br/>and putty required<br/>for the work etc.<br/>complete and as<br/>per direction of<br/>Engineer-in-<br/>charge.(Outside)</p> | 122.45916042 | Square<br>Meter | 158.51505018164 | 19411.619959178 |

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| 20 | <p><b>Painting :<br/>AR0901d<br/>(Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)) :</b><br/>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> | 147.35530636 | Square Meter | 70.776730252133 | 10429.326769462 |
| 21 | <p><b>Painting :<br/>AR0922<br/>(Finishing wall two coats with distemper of approved shades on new work (Inside)) :</b><br/>Finishing wall two coats with distemper of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)</p>  | 158.19151228 | Square Meter | 80.960228925    | 12807.221048181 |

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| 22 | <p><b>Painting : AR0903ak (Painting two coats of enamel paint with a coat of wood primer new wood work in inner surface paint (Inside)(For repair and maintenance) .) :</b><br/> Painting two coats of enamel paint with a coat of wood primer in new wood work inner surface paint including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)(For repair and maintenance)</p> | 29.763798625 | Square Meter | 241.38698511742 | 7184.5936157308 |
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| 23 | <p><b>Plastering :<br/>AR1027 (6mm<br/>thick cement<br/>Plaster in CM<br/>(1:4) over R.C.C.<br/>surfaces including<br/>chipping (Inside))</b><br/>: 6mm thick<br/>cement Plaster in<br/>CM (1:4) over<br/>R.C.C. surfaces in<br/>inside including<br/>chipping with<br/>proper level and<br/>line, curing for the<br/>proper period with<br/>cost conveyance,<br/>royalty, taxes of all<br/>materials, labor,<br/>and T &amp; P required<br/>for the work, etc<br/>comp. and as per<br/>the direction of the<br/>Engineer-in-<br/>charge.</p> | 55.2519596422 | Square<br>Meter | 191.3275755512 | 10571.223482795 |
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| 24 | <p><b>Masonry Brick Work : AR0603bi (Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure) :</b><br/> 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> | 20.40975976784 | Cubic Meter | 5279.607452312 | 107755.51977019 |
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| 25 | <p><b>R.C.C. Work :</b><br/> <b>AR0409</b><br/> <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><br/> 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> | 15.53 | Quintal | 9265.0024273 | 143885.48769597 |
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| 26 | <p><b>Flooring :</b><br/> <b>AR0817aa (Fixing</b><br/> <b>Vitrified floor</b><br/> <b>tiles of premium</b><br/> <b>grade having</b><br/> <b>thickness 8mm to</b><br/> <b>10mm confirming</b><br/> <b>to IS 13756 of size</b><br/> <b>600mmx600mm) :</b><br/>         Fixing Vitrified<br/>         floor tiles of<br/>         premium grade<br/>         having thickness<br/>         8mm to 10mm<br/>         confirming to IS<br/>         13756 of size<br/>         600mmx600mm<br/>         plain (Ivory) in<br/>         dados skirting and<br/>         risers of steps on<br/>         12mm thick<br/>         cement plaster<br/>         (1:3) jointed with<br/>         neat cement slurry<br/>         mixed with<br/>         pigments to match<br/>         the shade of the<br/>         tiles including<br/>         rubbing and<br/>         polishing complete<br/>         including cost of<br/>         precast tiles.</p> | 3.26646948 | Square<br>Meter | 1653.323795126 | 5400.5317173369 |
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| <b>Total Amount:</b> | 788197.17336491 |
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| Provision for PH Work (+) @     | 30302.82 |
| Provision for EI Work (+) @     | 20000    |
| Provision for Contingency (+) @ | 8500     |
| Display Citizen Board (+) @     | 3000     |
| Any Other Lumpsum (+) @         |          |

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| <b>Total Amount:</b> | 849999.99336491 |
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| <b>Grand Net Total Amount</b> | 849999.99336491 |
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**Ranjan Kumar Swain**  
**JE**  
**Kendujhar Sadar Block**

**Sabyasachi Pradhan**  
**AEE**  
**Kendujhar Sadar Block**

**Binod Chandra Panda**  
**BDO**  
**Kendujhar Sadar Block**