# VOLUME 02

# NAGAR PANCHAYAT CHHURIYA

## ABSTRACT

| S.NO. | DESCRIPTION | QTY. | UNIT | RATE | AMOUNT (Rs.) |
|---|---|---|---|---|---|
| **I** | **COST FOR EXISTING COMPOST PLANT** | | | | |
| **1** | **COMPOST PLANT - WARD NO. - 08, RANI DURGAWATI WARD, CHHURIYA (C.G.)** | | | | |
| **a** | **CIVIL WORK** | | | | |
| 1 | Rain Water Harvesting | - | - | - | 32001.00 |
| 2 | Windrow Compost Shed 1 TPD | - | - | - | 671732.41 |
| 3 | Leachate Collection Tank | - | - | - | 27355.76 |
| 4 | Fencing | - | - | - | 160341.33 |
| 5 | CC Road | - | - | - | 79347.00 |
| | | | | **SUB Total** | **970777.50** |
| | | | | | |
| | | | | **Total of (a)** | **970777.50** |
| **b** | **NON SOR ITEMS** | **QTY.** | **UNIT** | **RATE** | **AMOUNT (Rs.)** |
| 1 | Surveillance Camera - Min. 6 No. of CCTV Cameras at each plant with 5 MP cameras, DVR, night vision, and real-time monitoring. (Detailed Specification as per Annexure A) | 1 | Set | 17813.00 | 17813.00 |
| 2 | Wheel Barrow - 140 L wheelbarrow, 450 kg capacity, MS body with rubber tyre. (Detailed Specification as per Annexure B) | 2 | Nos. | 5500.00 | 11000.00 |
| 3 | Compost Sieve Machine Manual compost sieve, 200–300 kg/hr, portable MS/SS machine. (Detailed Specification as per Annexure C) | 1 | Nos. | 47500.00 | 47500.00 |
| | | | | **SUB Total** | **76313.00** |
| | | | | | |
| | | | | **Total of (b)** | **76313.00** |
| | | | | **Total of 1 (a+b)** | **1047090.50** |
| | | | | | |
| | | | | **Total of Compost Plant I** | **1047090.50** |
| | | | | | |

| II | COST FOR EXISTING SLRM/MRF PLANT | | | | |
|---|---|---|---|---|---|
| 1 | SLRM/MRF PLANT - WARD NO. - 08, RANI DURGAWATI WARD, CHHURIYA (C.G.) | | | | |
| a | CIVIL WORK | | | | |
| 1 | Revamping of SLRM Centre | - | - | - | 338647.11 |
| 2 | Rain Water Harvesting | - | - | - | 32001.00 |
| 3 | Storage for Baled & Recyclable Material | - | - | - | 501222.37 |
| 4 | Revamping of Toilet | - | - | - | 18762.00 |
| | | | | Total of (a) | 890632.49 |
| b | NON SOR ITEMS | QTY. | UNIT | RATE | AMOUNT (Rs.) |
| 1 | Weigh Bridge - 10 Ton electronic pitless weighbridge with digital load cells and auto calibration. (Detailed Specification as per Annexure D) | 1 | Nos. | 225000.00 | 225000.00 |
| 2 | Flat Conveyor Belt - approx. 7 m long, 700 mm wide, 800 mm high, flat roller type. (Detailed Specification as per Annexure E) | 1 | Nos. | 155000.00 | 155000.00 |
| 3 | HDPE Wheeled Container 100 L HDPE container, durable, wheeled design. (Detailed Specification as per Annexure F) | 10 | Nos. | 1375.00 | 13750.00 |
| 4 | Bale Trolley 250 kg MS trolley, manual, with polymer wheels, rust-proof design. (Detailed Specification as per Annexure G) | 3 | Nos. | 6800.00 | 20400.00 |
| 5 | Surveillance Camera - Min. 6 No. of CCTV Cameras at each plant with 5 MP cameras, DVR, night vision, and real-time monitoring. (Detailed Specification as per Annexure H) | 1 | Set | 17813.00 | 17813.00 |

| | | | | | |
|---|---|---|---|---|---|
| 6 | Turbine Ventilator Wind-driven turbine ventilator, 1500–2500 CFM airflow, no electricity required. (Detailed Specification as per Annexure I) | 6 | Nos. | 2500.00 | 15000.00 |
| | | | | **SUB Total** | **446963.00** |
| | | | | | |
| | | | | **Total of (b)** | **446963.00** |
| | | | | **Total of 1 (a+b)** | **1337595.49** |
| | | | | | |
| | | | | **Total of SLRM/MRF Plant** | **1337595.49** |
| | | | | | |
| | | | | **Total Capital Cost (I+II)** | **2384685.99** |
| | | | | **Grand Total** | **2384685.99** |
| | | | | **SAY Rs.(In Lakhs)** | **23.85** |

# BOQ / COST ESTIMATION FOR EXISTING COMPOST PLANT AT WARD NO. - 08, RANI DURGAWATI WARD CHHURIYA (C.G.)

# NAGAR PANCHAYAT CHHURIYA

## ABSTRACT

| S.NO. | DESCRIPTION | QTY. | UNIT | RATE | AMOUNT (Rs.) |
|---|---|---|---|---|---|
| **1** | **COMPOST PLANT - WARD NO. - 08, RANI DURGAWATI WARD CHHURIYA (C.G.)** | | | | |
| **a** | **CIVIL WORK** | | | | |
| 1 | Rain Water Harvesting | - | - | - | 32001.00 |
| 2 | Windrow Compost Shed 1 TPD | - | - | - | 671732.41 |
| 3 | Leachate Collection Tank | - | - | - | 27355.76 |
| 4 | Fencing | - | - | - | 160341.33 |
| 5 | CC Road | - | - | - | 79347.00 |
| | | | | **Total of (a)** | **970777.50** |
| | | | | | |
| **b** | **NON SOR ITEMS** | **QTY.** | **UNIT** | **RATE** | **AMOUNT (Rs.)** |
| 1 | Surveillance Camera - Min. 6 No. of CCTV Cameras at each plant with 5 MP cameras, DVR, night vision, and real-time monitoring. (Detailed Specification as per Annexure A) | 1 | Set | 17813.00 | 17813.00 |
| 2 | Wheel Barrow - 140 L wheelbarrow, 450 kg capacity, MS body with rubber tyre. (Detailed Specification as per Annexure B) | 2 | Nos. | 5500.00 | 11000.00 |
| 3 | Compost Sieve Machine Manual compost sieve, 200–300 kg/hr, portable MS/SS machine. (Detailed Specification as per Annexure C) | 1 | Nos. | 47500.00 | 47500.00 |
| | | | | **SUB Total** | **76313.00** |
| | | | | | |
| | | | | **Total of (b)** | **76313.00** |
| | | | | **Total of 1 (a+b)** | **1047090.50** |

| NAGAR PANCHAYAT CHHURIYA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| " RAIN WATER HARVESTING (1.00X1.00X1.20 M) " | | | | | | | | | |
| **S.No.** | **PARTICULAR** | **NO.** | **L** | **B** | **H/D** | **QTY.** | **UNIT** | **RATE ( in Rs.)** | **AMOUNT (in Rs.)** |
| **1** | Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.<br>In all types of soil | | | | | | | | |
| | **(BUILDING SOR. ITEM NO.-1.1.1/9)** | 1 | 1.40 | 1.40 | 1.20 | **2.35** | **CUM** | **185.00** | **434.75** |
| **2** | Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.<br>1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). | | | | | | | | |
| | bottom Beam- | 2 | 1.40 | 0.20 | 0.20 | **0.11** | | | |
| | | 2 | 1.00 | 0.20 | 0.20 | **0.08** | | | |
| | **Top Slab-** | 1 | 1.40 | 1.40 | 0.10 | **0.20** | | | |
| | **(BUILDING SOR ITEM NO.-3.9/24)** | | | | | **0.39** | **CUM** | **4163.00** | **1623.57** |
| **3** | Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete:<br>3.12.1 Thermo-Mechanically treated bars FE 415 | | | | | | | | |
| | | Qty. as per item No.-3.2.1 | | | | **0.39** | | | |
| | **(SOR ITEM NO.-3.12.1/24)** | 70 kg/cum | | | | **19.5** | **KG** | **54.50** | **1062.75** |
| **4** | Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:<br>7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand) | | | | | | | | |
| | **(BUILDING SOR ITEM NO.-7.5.4/45)** | 1 | 4.80 | 0.20 | 1.40 | **1.34** | **CUM** | **3263.00** | **4385.47** |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **5** | Supplying, filling, spreading & leveling stone boulders/ Gravels/ Coarse sand, in recharge pit, in the required layers and thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge. (excavation of pit will be paid separately) | | | | | | | | |
| | Stone boulders of size range 5 cm to 20 cm, in recharge pit | 1 | 1.00 | 1.00 | 0.40 | **0.40** | **CUM** | **863.00** | **345.20** |
| | Gravels of size range 5 mm to 10 mm, over the existing layer of boulders | 1 | 1.00 | 1.00 | 0.30 | **0.30** | **CUM** | **806.00** | **241.80** |
| | Coarse sand of size range 1.5 mm to 2 mm over existing layer of gravel | 1 | 1.00 | 1.00 | 0.20 | **0.20** | **CUM** | **471.00** | **94.20** |
| | **(BUILDING SOR ITEM NO.-21.14/201)** | | | | | | | | |
| | **PIPELINE-** | | | | | | | | |
| **6** | Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. | | | | | | | | |
| | In all types of soil (FOR PIPELINE) | 1 | 50.0 | 0.30 | 0.30 | **4.50** | **CUM** | **185.00** | **832.50** |
| | **(BUILDING SOR ITEM NO.-1.1/9)** | | | | | | | | |
| **7** | Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm. In depth consolidation each deposited layer by ramming and watering with a lead upto 50M. And lift upto 1.5M. | | | | | | | | |
| | 50% of Item No 1 | - | - | - | - | **2.25** | **CUM** | **65.00** | **146.25** |
| | **(BUILDING SOR ITEM NO.-1.17/11)** | | | | | | | | |
| | | | | | | | | | |
| **8** | Providing and filling in open area with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete. | | | | | | | | |
| | 50% of Item No 1 - Pipe Dia | - | - | - | - | **2.25** | **CUM** | **371.00** | **834.75** |
| | **(BUILDING SOR ITEM NO.-1.18/11)** | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **9** | Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete. | | | | | | | | |
| | 150 mm dia | 1 | 50.00 | - | - | **50.00** | **RM** | **440.00** | **22000.00** |
| | **(BUILDING SOR ITEM NO.-18.76.3/170)** | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | **Total Rs.** | **32001.00** |

# NAGAR PANCHAYAT CHHURIYA

**DETAILED ESTIMATE FOR CONSTRUCTION OF WINDROW SHED (1 TPD CAPACITY) AND WET TIPPING SHED (15.90 x 6.80 m.)**

Based on C. G. P.W.D BUILDING S.O.R. IN FORCE FROM 1 JAN 2015

| SN | SOR No. | DESCRIPTION OF ITEM | NO | | MEASUREMENT | | | QTY | RATE | UNIT | AMOUNT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | L | B | H/D | | | | |
| I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII |
| | | | | | | | | | | | |
| **1** | 1.1 | Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing | | | | | | | | | |
| | | 1.1.1 In all types of soils. | | | | | | | | | |
| | | F1(1500X1500) | | 10 | 1.50 | 1.50 | 1.70 | 38.25 | | | |
| | | Beam below GL | | | | | | | | | |
| | | X-X Wall | | 2 | 2.00 | 0.30 | 0.30 | 0.36 | | | |
| | | | | 2 | 2.40 | 0.30 | 0.30 | 0.43 | | | |
| | | | | 4 | 2.60 | 0.30 | 0.30 | 0.94 | | | |
| | | Y-Y Wall | | 2 | 5.00 | 0.30 | 0.30 | 0.90 | | | |
| | | **total** | | | | | | **40.88** | **185.00** | **cum** | **7562.43** |
| | | | | | | | | | | | |
| **2** | 1.18 | Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc complete. | | | | | | | | | |
| | | **Footing** | | | | | | | | | |
| | | F1(1500X1500) | | 10 | 1.50 | 1.50 | 0.10 | 2.25 | | | |
| | | Beam below GL | | | | | | | | | |
| | | X-X Wall | | 2 | 3.20 | 0.30 | 0.10 | 0.19 | | | |
| | | | | 2 | 3.60 | 0.30 | 0.10 | 0.22 | | | |
| | | | | 4 | 3.80 | 0.30 | 0.10 | 0.46 | | | |
| | | Y-Y Wall | | 2 | 6.20 | 0.30 | 0.10 | 0.37 | | | |
| | | For Floor Base | | 1 | 15.50 | 6.40 | 0.20 | 19.84 | | | |
| | | **total** | | | | | | **23.33** | **371.00** | **cum** | **8653.95** |
| | | | | | | | | | | | |
| **3** | 3.1 | Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. | | | | | | | | | |
| | 3.1.3 | 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). | | | | | | | | | |
| | | **Footing** | | | | | | | | | |
| | | F1(1500X1500) | | 10 | 1.50 | 1.50 | 0.10 | 2.25 | | | |
| | | Beam below GL | | | | | | | | | |
| | | X-X Wall | | 2 | 3.20 | 0.30 | 0.10 | 0.19 | | | |
| | | | | 2 | 3.60 | 0.30 | 0.10 | 0.22 | | | |
| | | | | 4 | 3.80 | 0.30 | 0.10 | 0.46 | | | |
| | | Y-Y Wall | | 2 | 6.20 | 0.30 | 0.10 | 0.37 | | | |
| | | For Floor Base | | 1 | 15.50 | 6.40 | 0.10 | 9.92 | | | |
| | | **total** | | | | | | **13.41** | **2970.00** | **cum** | **39815.82** |
| | | | | | | | | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **4** | 3.2 | Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works up to plinth level excluding cost of form work | | | | | | | | | |
| | 3.2.1 | 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). | | | | | | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **F1(1500X1500)** | | 10 | 1.30 | 1.30 | 0.30 | 5.07 | | | |
| | | **Subtotal a** | | | | | | **5.07** | | | |
| | | **Column upto GL** | | | | | | | | | |
| | | C1(300X300) | | 10 | 0.30 | 0.30 | 1.20 | 1.08 | | | |
| | | **Subtotal b** | | | | | | **1.08** | | | |
| | | **Column above GL** | | | | | | | **1.62** | | |
| | | C1(300X300) | | 10 | 0.30 | 0.30 | 0.60 | 0.54 | | | |
| | | **Subtotal c** | | | | | | **0.54** | | | |
| | | **Beam below GL** | | | | | | | | | |
| | | X-X Wall | | 2 | 3.20 | 0.20 | 0.30 | 0.38 | | | |
| | | | | 2 | 3.60 | 0.20 | 0.30 | 0.43 | | | |
| | | | | 4 | 3.80 | 0.20 | 0.30 | 0.91 | | | |
| | | Y-Y Wall | | 2 | 6.20 | 0.20 | 0.30 | 0.74 | | | |
| | | **Subtotal d** | | | | | | **2.47** | | | |
| | | **total** | | | | | | **9.16** | **4163.00** | **cum** | **38141.41** |
| | | | | | | | | | | | |
| **5** | 2.1 | Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal | | | | | | | | | |
| | 2.1.1 | Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level. | | | | | | | | | |
| | | **Footings** | | | | | | | | | |
| | | F1 (1.30 + 1.30 = 2.60) | 2 | 10 | 2.60 | | 0.30 | 15.60 | | | |
| | | **Column upto G L** | | | | | | | | | |
| | | C1 (0.30 + 0.30 = 0.60) | 2 | 10 | 0.60 | | 1.20 | 14.40 | | | |
| | | **Beam below GL** | | | | | | | | | |
| | | X-X Wall | 2 | 2 | 3.20 | | 0.30 | 3.84 | | | |
| | | | 2 | 2 | 3.60 | | 0.30 | 4.32 | | | |
| | | | 2 | 4 | 3.80 | | 0.30 | 9.12 | | | |
| | | Y-Y Wall | 2 | 2 | 6.20 | | 0.30 | 7.44 | | | |
| | | **total** | | | | | | **54.72** | **139.00** | **sqm** | **7606.08** |
| | | | | | | | | | | | |
| | 2.1.5 | Columns, Pillars, Piers and likes-rectangular or square in shape | | | | | | | | | |
| | | **Column above G L** | | | | | | | | | |
| | | C1 (0.30 + 0.30 = 0.60) | 2 | 10 | 0.60 | | 0.60 | 7.20 | | | |
| | | | | | | | | **7.20** | **297.00** | **sqm** | **2138.40** |
| | | | | | | | | | | | |
| **6** | 3.12 | Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete: | | | | | | | | | |
| | 3.12.1 | Thermo-Mechanically treated bars FE 415 | | | | | | | | | |
| | | Footing (From S.No. 04) | | | 5.07 | | 80.00 | 405.60 | | | |
| | | Column (From S.No. 04) | | | 1.62 | | 80.00 | 129.60 | | | |
| | | Beam below GL (From S.No. 04) | | | 2.47 | | 80.00 | 197.76 | | | |
| | | **total** | | | | | | **732.96** | **54.50** | **Kg** | **39946.32** |
| | | | | | | | | | | | |
| **7** | 1.17 | Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. | | | | | | | | | |
| | | Excavated Qty. F1 | | | | | | 38.25 | | | |
| | | **Deductions** | | | | | | | | | |
| | | F1(1500X1500) | | 10 | 1.50 | 1.50 | 0.10 | -2.25 | | | |
| | | PCC | | 10 | 1.50 | 1.50 | 0.10 | -2.25 | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RCC | | 10 | 1.30 | 1.30 | 0.30 | -5.07 | | | |
| | | **C1(300X300)** | | 10 | 0.30 | 0.30 | 1.20 | -1.08 | | | |
| | | | | | | | **total** | **27.60** | **65.00** | **cum** | **1794.00** |
| | | | | | | | | | | | |
| **8** | 12.3 | Cement concrete flooring with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm) finished with a floating coat of neat cement. | | | | | | | | | |
| | 12.3.2 | 50 mm thick | | 1 | 15.50 | 6.40 | | 99.20 | | | |
| | | **total** | | | | | | **99.20** | **254.00** | **sqm** | **25196.80** |
| | | | | | | | | | | | |
| **9** | 7.5 | Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: | | | | | | | | | |
| | 7.5.3 | Cement Mortar 1:4 (1 cement : 4 coarse sand) | | | | | | | | | |
| | | Wall | | | | | | | | | |
| | | X-X Wall | | 2 | 3.20 | 0.20 | 0.60 | 0.77 | | | |
| | | | | 2 | 3.60 | 0.20 | 0.60 | 0.86 | | | |
| | | | | 4 | 3.80 | 0.20 | 0.60 | 1.82 | | | |
| | | **total** | | | | | | **3.46** | **3452.00** | **cum** | **11930.11** |
| | | | | | | | | | | | |
| **10** | 11.2 | Providing and making 12mm thick cement plaster of mix: | | | | | | | | | |
| | 11.2.4 | In Cement Mortar 1:6 (1 cement : 6 fine sand) | | | | | | | | | |
| | | Internal wall (X-X Wall) | | 2 | 3.20 | | 0.60 | 3.90 | | | |
| | | | | 2 | 3.60 | | 0.60 | 4.32 | | | |
| | | | | 4 | 3.80 | | 0.60 | 9.12 | | | |
| | | C1(300X300) | 2 | 8 | 0.10 | | 0.60 | 0.96 | | | |
| | | **total** | | | | | | **18.30** | **91.50** | **sqm** | **1674.45** |
| | | | | | | | | | | | |
| **11** | 11.3 | Providing and making 15mm thick cement plaster on the rough side of single or half brick wall | | | | | | | | | |
| | 11.3.3 | In Cement Mortar 1:5 (1 cement : 5 fine sand) | | | | | | | | | |
| | | External Wall (X-X Wall) | | 2 | 15.90 | | 0.60 | 19.08 | | | |
| | | **total** | | | | | | **19.08** | **113.00** | **sqm** | **2156.04** |
| | | | | | | | | | | | |
| **12** | As per Ammendment no 08, 05/05/2025 item no.14.62 | Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applicd @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc Litil Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour complete for the work. | | | | | | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **Area of Internal Plaster (From S.No. 10)** | | | 18.30 | | | 18.30 | | | |
| | | **total** | | | | | | **18.30** | **64.00** | **sqm** | **1171.20** |
| | | | | | | | | | | | |
| **14** | As per Ammend ment no 08, 05/05/202 5 item no.14.67 | Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S, Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish ) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year Warranty) | | | | | | | | | |
| | | **Area of External Wall (From S.No. 11)** | | | | | | | | | |
| | | | | | 19.08 | | | 19.08 | | | |
| | | **total** | | | | | | **19.08** | **70.00** | **sqm** | **1335.60** |
| | | | | | | | | | | | |
| **15** | 9.3 | Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer. | | | | | | | | | |
| | 9.3.1 | Electric resistance or induction butt welded tubes Grade-250 | | | | | | | | | |
| | | **Pole @ 21.30 kg/meter 150 mm Dia** | 5.00 | 2 | 4.00 | @ | 21.30 | 852.00 | | | |
| | | **Purlins 40mm dia @ 3.56Kg/meter** | 14.00 | 1 | 15.90 | @ | 3.56 | 792.46 | | | |
| | | **Rafter 50mm dia @5.03Kg/meter** | 5.00 | 2 | 4.56 | @ | 5.03 | 229.37 | | | |
| | | **bottom chord 50mm dia @6.19Kg/meter** | 5.00 | 1 | 8.80 | @ | 5.03 | 221.32 | | | |
| | | **Post NB 50** | 5.00 | 2 | 1.20 | @ | 5.03 | 60.36 | | | |
| | | **Post NB 40** | 5.00 | 2 | 0.87 | @ | 3.56 | 30.97 | | | |
| | | **Post NB 40** | 5.00 | 2 | 0.53 | @ | 3.56 | 18.87 | | | |
| | | **Post NB 40** | 5.00 | 2 | 0.19 | @ | 3.56 | 6.76 | | | |
| | | **webs 32mm dia @3.79Kg/meter** | 5.00 | 2 | 1.45 | @ | 3.10 | 44.95 | | | |
| | | | 5.00 | 2 | 1.26 | @ | 3.10 | 39.06 | | | |
| | | | 5.00 | 2 | 1.13 | @ | 3.10 | 35.03 | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Wind tie 32x5mm | 8.00 | 1 | 15.90 | @ | 3.10 | 394.32 | | | |
| | | | | | | | | **2725.47** | | | |
| | | Gusset Plate, Fixing Bolt and Base Plate Etc 12% | 0.12 | | | | | **327.06** | | | |
| | | | | | | | | **3052.52** | **93.50** | **Kg** | **285411.01** |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **16** | 10.12 | Supply and fixing of polymer precoated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. | | | | | | | | | |
| | | Roofing | | 2 | 16.90 | 4.56 | | 154.13 | | | |
| | | **total** | | | | | | **154.13** | **693.00** | **sqm** | **106810.70** |
| | | | | | | | | | | | |
| **17** | 10.16 | Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete : | | | | | | | | | |
| | 10.16.1 | 10.16.1 Ridges plain (500-600mm) | | 1 | 16.90 | | | 16.90 | | | |
| | | Ridge | | | | | | **16.90** | **552.00** | **mtr** | **9328.80** |
| | | | | | | | | | | | |
| **18** | 10.16.6 | 10.16.6 Gutter. (600 mm over all girth). | | | | | | | | | |
| | | Gutter | | 2 | 16.90 | | | 33.80 | | | |
| | | **total** | | | | | | **33.80** | **629.00** | **mtr** | **21260.20** |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **19** | As per Ammend ment no 08, 05/05/202 5 item no.14.76 | Providing and applying Aluminium paint mimimum 2 coats in all metal surface applying @ 0.75 li/ 10 Sqm up to required finish as per relevent I.S. code 2932: 2013 of (Product such as Asian Apcolite aluminium paint, Dulux Aliminium paint, Burger Superior Aluminium Paint) with all tools tackle and labour etc. complete for the work | | | | | | | | | |
| | | On Steel Structure | | | | | | | | | |
| | | Pole @ 21.30 kg/meter 150 mm Dia | 5 | 2 | 4.00 | @ | 0.50 | 20.00 | | | |
| | | Purlins 40mm dia @ 3.56Kg/meter | 14 | 1 | 15.90 | @ | 0.13 | 28.94 | | | |
| | | Rafter 50mm dia @5.03Kg/meter | 5 | 2 | 4.56 | @ | 0.16 | 7.30 | | | |
| | | bottom chord 50mm dia @6.19Kg/meter | 5 | 1 | 8.80 | @ | 0.16 | 7.04 | | | |
| | | Post NB 50 | 5 | 2 | 1.20 | @ | 0.16 | 1.92 | | | |
| | | Post NB 40 | 5 | 2 | 0.87 | @ | 0.13 | 1.13 | | | |
| | | Post NB 40 | 5 | 2 | 0.53 | @ | 0.13 | 0.69 | | | |
| | | Post NB 40 | 5 | 2 | 0.19 | @ | 0.13 | 0.25 | | | |
| | | webs 32mm dia @3.79Kg/meter | 5 | 2 | 1.45 | @ | 0.10 | 1.45 | | | |
| | | | 5 | 2 | 1.26 | @ | 0.10 | 1.26 | | | |
| | | | 5 | 2 | 1.13 | @ | 0.10 | 1.13 | | | |
| | | Wind tie 32x5mm | 8 | 1 | 15.90 | @ | 0.32 | 40.70 | | | |
| | | | | | | | | 111.81 | | | |
| | | 20% Extra For Miscellenious | 0.20 | | | | | 22.36 | | | |
| | | | | | | | | **134.17** | **43.00** | **sqm** | **5769.14** |
| | | | | | | | | | | | |
| **20** | 18.76 | Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete. | | | | | | | | | |
| | 18.76.2 | 110 mm dia pipe. | | | | | | | | | |
| | | Rain water Pipe | | 4 | 4.00 | | | 16.00 | | | |
| | | **total** | | | | | | **16.00** | **267.00** | **mtr** | **4272.00** |
| | | | | | | | | | | **Total** | **621974.45** |
| | | | | | | | | | | **Add 8% Electrical and Plumbing Work** | **49757.96** |
| | | | | | | | | | | **Grand Total for 1 Windrow Shed** | **671732.41** |

# NAGAR PANCHAYAT CHHURIYA

## " PROPOSED LEACHATE TANK 1.20X1.20X1.20 M "

| S.No. | PARTICULAR | NO. | L | B | H/D | QTY. | UNIT | RATE ( in Rs.) | AMOUNT (in Rs.) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Excavation for all types and sizes of foundations trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at teats 5m away from the excavated area), including dressing and leveling of pits. 1.1.1) In all types of soil | | | | | | | | |
| | **(BUILDING SOR ITEM NO.-1.1/9)** | 1 | 1.90 | 1.90 | 1.65 | **5.96** | **CUM** | **185.00** | **1101.95** |
| 2 | **Filling from available excavated stuff** (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm. In depth consolidation each deposited layer by ramming and watering with a lead upto 50M. And lift upto 1.5M. | | | | | | | | |
| | Excavated Area- | 2 | 1.90 | 0.15 | 1.50 | 0.86 | | | |
| | Deduction Tank Area- | 2 | 1.60 | 0.15 | 1.50 | 0.72 | | | |
| | **(BUILDING SOR ITEM NO.-1.17/11)** | | | | | **1.58** | **CUM** | **65.00** | **102.38** |
| 3 | Providing and filling in plinth with **sand/ Crusher dust and hard moorum** under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete. | | | | | | | | |
| | **(BUILDING SOR ITEM NO.- 1.18/11)** | 1 | 1.90 | 1.90 | 0.15 | **0.54** | **CUM** | **371.00** | **200.90** |
| 4 | Providing and laying **nominal mix cement concrete** with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of from work. 3.1.3) 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). | | | | | | | | |
| | **(BUILDING SOR ITEM NO.- 3.1.3/23)** | 1 | 1.90 | 1.90 | 0.15 | **0.54** | **CUM** | **2970.00** | **1608.26** |
| 5 | Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. | | | | | | | | |
| | 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). | | | | | | | | |
| | PCC | 1 | 1.60 | 1.60 | 0.15 | 0.38 | | | |
| | **(BUILDING SOR ITEM NO.- 3..1.5/23)** | | | | | **0.38** | **CUM** | **4073.00** | **1564.03** |
| 6 | Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level. | | | | | | | | |
| | Bottom Slab- | 1 | 6.40 | - | 0.15 | 0.96 | | | |
| | **(BUILDING SOR ITEM NO.- 2.1.1/16)** | | | | | **0.96** | **SQ.M** | **139.00** | **133.00** |
| | | | | | | | | | |

| S.No. | PARTICULAR | NO. | L | B | H/D | QTY. | UNIT | RATE ( in Rs.) | AMOUNT (in Rs.) |
|---|---|---|---|---|---|---|---|---|---|
| 7 | Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class designation 40 in foundation and plinth in: | | | | | | | | |
| | **(SOR. ITEM NO.- 7.5.4/45)** | | | | | | | | |
| | Cement Mortar 1:6 (1 cement : 6 coarse sand ) | | | | | | | | |
| | Extra for brick work in superstructure: | | | | | | | | |
| | **(SOR. ITEM NO.- 7.6/45)** | | | | | | | | |
| | Leachate Tank Wall | 2 | 1.60 | 0.20 | 1.20 | 0.77 | | | |
| | | 2 | 1.20 | 0.20 | 1.20 | 0.58 | | | |
| | | | | | | **1.34** | **CUM** | **3384.00** | **4548.10** |
| | | | | | | | | | |
| **8** | Providing and making **12mm.thick** cement plaster of mix :<br>In Cement Mortar 1:6 ( 1 Cement : 6 fine Sand) | | | | | | | | |
| | **(BUILDING SOR. ITEM NO.-11.2/103)** | | | | | | | | |
| | 11.1.2 ) In Cement mortar 1:4 (1 cement : 4 fine sand) | | | | | | | | |
| | Inside Plaster | 4 | 1.20 | | 1.20 | 5.76 | | | |
| | | | | | | **5.76** | **SQM** | **91.50** | **527.04** |
| | | | | | | | | | |
| **9** | Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using concrete mixer in all works upto floor five level excluding cost of reinforcement and form work.<br>3.2.1) 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). | | | | | | | | |
| | Precast Slab | 1 | 1.80 | 1.80 | 0.15 | 0.49 | | | |
| | **(BUILDING SOR ITEM NO.- 3.2.1/23)** | | | | | **0.49** | **CUM** | **4163.00** | **2023.22** |
| | | | | | | | | | |
| **10** | Extra for precast PCC/ RCC work of any mix including form work, hoisting and fixing in Cement Mortar. 1:2 (1 Cement : 2 coarse sand) and finishing with cement plaster in Cement Mortar 1:3 (1 Cement : 3 coarse sand) but excluding reinforcement. | | | | | | | | |
| | Precast Slab | | | | | 0.49 | | | |
| | **(BUILDING SOR ITEM NO.-3.9/24)** | | | | | **0.49** | **CUM** | **469.00** | **227.93** |

| S.No. | PARTICULAR | NO. | L | B | H/D | QTY. | UNIT | RATE ( in Rs.) | AMOUNT (in Rs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **11** | Providing and placing in position reinforcement for **R.C.C. work** including straightening, cutting bending binding etc. complete as per drawings including cost of binding wire all complete: Thermo-Mechanically treated bars FE 415 | | | | | | | | |
| | Precast Slab | **Qty.as per item no. 5** | | | | **0.49** | | | |
| | **(BUILDING SOR ITEM NO.-3.12.1/24)** | 80 kg/cum | | | | **38.88** | **KG** | **54.50** | **2118.96** |
| | | | | | | | | | |
| **12** | Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete. 150 mm dia pipe. | | | | | | | | |
| | | | | | | | | | |
| | Leachate Drain Pipeline | 1 | 30.00 | - | - | **30.00** | **MTR** | **440.00** | **13200.00** |
| | **(BUILDING SOR ITEM NO.- 18.76/170)** | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | **Cost of 1 Leachate Tank Rs.** | **27355.76** |

# NAGAR PANCHAYAT CHHURIYA

## ESTIMATE FOR CHAINLINK FENCING

| SN | DESCRIPTION | No. | | L | W | H/D | QTY | Rate | U | Amount |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soil **PWD S.O.R.-P-09/I-1.1.1** | | | | | | | | | |
| | Main Wall Along Road | | 1 | 65.00 | 0.50 | 0.80 | 26.00 | | | |
| | **total** | | | | | | 26.00 | 185.00 | cum | 4810.00 |
| | | | | | | | | | | |
| 2 | Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M **.PWD S.O.R.-P-09/I-1.17** | | | | | | | | | |
| | Excavated Qty. | | | | | | 26.00 | | | |
| | **Deduction** | | | | | | | | | |
| | Sand Filling | | | | | | -3.25 | | | |
| | Pcc Area | | | | | | -3.85 | | | |
| | Brick Work | | | | | | -9.75 | | | |
| | | | | | | | 9.15 | 65.00 | cum | 595.02 |
| | | | | | | | | | | |
| 3 | Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete. **Building sor 2015item no. 1.18** | | | | | | | | | |
| | **below pcc** | | 1 | 65.00 | 0.50 | 0.10 | 3.25 | 371.00 | cum | 1205.75 |
| | | | | | | | | | | |
| 4 | Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). **PWD S.O.R.-P-23/I-3.1.3** | | | | | | | | | |
| | Main Wall Along Road | | 1 | 65.00 | 0.50 | 0.10 | 3.25 | | | |
| | Concrete For Angle Iron Post | | 27 | 0.20 | 0.20 | 0.55 | 0.60 | | | |
| | **total** | | | | | | 3.85 | 2970.00 | cum | 11422.13 |
| | | | | | | | | | | |
| 5 | 7.5 Brick work with modular flyash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: 7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand) PWD S.O.R.-P-45/I-7.5.4 | | | | | | | | | |
| | up-to Ground Level | | | | | | | | | |
| | Main Wall Along Road | | 1 | 65.00 | 0.30 | 0.30 | 5.85 | | | |
| | | | 1 | 65.00 | 0.20 | 0.30 | 3.90 | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **total** | | | | | | 9.75 | 3263.00 | cum | 31814.25 |
| | | | | | | | | | | |
| **6** | 7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:<br>7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand)<br>**PWD S.O.R.-P-45/I-7.5.4** | | | | | | | | | |
| | Above Ground Level Main Wall Along Road | | 1 | 65.00 | 0.20 | 0.55 | 7.15 | | | |
| | Deduct | | | | | | | | | |
| | Angle Iron Post Area | | 27 | 0.20 | 0.20 | 0.55 | -0.60 | | | |
| | **total** | | | | | | 6.55 | 3263.00 | cum | 21386.25 |
| | | | | | | | | | | |
| **7** | Providing and laying damp proof course (upto 50mm thick) with plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including form work. PWD S.O.R.-P-24/I-3.13 | | | | | | | | | |
| | **PWD S.O.R.-P-24/I-3.13** | | | | | | | | | |
| | Main Wall Along Road | | 1 | 65.00 | 0.20 | 0.05 | 0.65 | | | |
| | **total** | | | | | | 0.65 | 4237.00 | cum | 2754.05 |
| | | | | | | | | | | |
| **8** | 12mm thick cement plaster of mix:<br>In Cement Mortar 1:6 (1 cement : 6 fine sand)<br>**PWD S.O.R.-P-103/I-11.2.4**<br>Main Wall Along Road<br>**Subtotal** | | | | | | | | | |
| | Inner Plaster Area | 1 | 1 | 65.00 | | 0.60 | 39.00 | | | |
| | **total** | | | | | | 39.00 | 91.50 | sqm | 3568.50 |
| | | | | | | | | | | |
| **9** | Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: | | | | | | | | | |
| | In Cement Mortar 1:6 (1 cement : 6 fine sand) | | | | | | | | | |
| | **(Page No.- 103, Item No.- 11.3.4)** | | | | | | | | | |
| | Outer Plaster Area | 1 | 1 | 65.00 | | 0.60 | 39.00 | | | |
| | Top | 1 | 1 | 65.00 | 0.20 | | 13.00 | | | |
| | | | | | | | 52.00 | 107.00 | sqm | 5564.00 |
| | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **10** | Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S, Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish ) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year Warranty) no 08, 05/05/2025 item no.14.67 **As per Ammendment no 08, 05/05/2025 item no.14.67** | | | | | | | | | |
| | As Per Item No. 8 & 9 | | | | | | 91.00 | 70.00 | sqm | 6370.00 |
| | | | | | | | | | | |
| **11** | Providing and placing in position angle iron post and strut of required size including bottom to be split and bent at right angle in opposite direction for required length and drilling holes upto 10 mm dia as per requirement including priming coat with red oxide zinc chromate primer and placing the post/ strut in cement concrete block. | | | | | | | | | |
| | **[S.O.R. Page no. 85 I- 9.45]** | | | | | | | | | |
| | M S 40X40 x4.00 mm Th. Post @ 4.09kg/ Rmt | | 27 | 2.35 | | 4.09 | 260.31 | | | |
| | M S Frame 20x20x2.80 mm Th. partition pipe @ 1.56 kg/ Rmt | | 27 | 7.70 | | 1.56 | 208.54 | | | |
| | Bottom /Side | 12 | 27 | 0.05 | | 1.56 | 25.35 | | | |
| | | | | | | | 494.20 | 69.50 | Kg | 34347.12 |
| | | | | | | | | | | |
| **12** | Providing and fixing in position chain linked steel wire fabric made of 4 mm dia G.I. wire of required width in mesh to concrete/ wooden/ angle iron posts including securing and screwing with 2mm dia G.I. wire, G.I. staples, G.I.U-nails or steel pins etc., complete. **PWD S.O.R.-P-84/I-9.43 9.43.1 Aperture 50x50mm** | | 27 | 2.20 | | 1.65 | 98.31 | | | |
| | | | | | | | 98.31 | 331.00 | Sqm | 32541.44 |
| | | | | | | | | | | |
| **13** | Providing and applying priming coat on steel work with red Oxide/ zinc phosphate primer applied @ 0.50 lit /Sqm as per relevant code 3536:1999 ( product such as Asian Zinc phosphate , Dulux Steel primer, Burger Red oxide primer ) with all tools tackles and labour etc. complete for the work | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Satin synthetic enamel paint | | | | | | | | | |
| | **As per Ammendment no 08, 05/05/2025 item no.14.74** | | | | | | | | | |
| | M S 40X40 x4.00 mm Th. Post @ 4.09kg/ Rmt | | 27 | 1.75 | | 0.16 | 7.58 | | | |
| | M S Frame 20x20x2.80 mm Th. partition pipe @ 1.56 kg/ Rmt | | 27 | 7.70 | | 0.08 | 16.68 | | | |
| | Bottom /Side | 12 | 27 | 0.05 | | 0.08 | 1.30 | | | |
| | | | | | | | 25.57 | 35.00 | Sqm | 894.83 |
| | | | | | | | | | | |
| **14** | Providing and applying Glossy finish Enamel paint mimimum 2 Coats in al surface applying @ 0.75 lit/ 10 Sqm up to required finish as per relevent I.S. code 2932: 2013 of (Product such as Asian Apcolite Premium Enamel Dulux Promise Premium Enamel Nerolac Synthatic Enamel, Opus Prime enamel ) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackle and labour etc. complete for the work. | | | | | | | | | |
| | **As per Ammendment no 08, 05/05/2025 item no.14.72** | | | | | | | | | |
| | As Per Item No. | 13 | | | | | 25.57 | 120.00 | Sqm | 3068.00 |
| | | | | | | | | | | |
| | | | | | | | | | **Total** | **160341.33** |

# NAGAR PANCHAYAT CHHURIYA

## Constrution of C.C. Road

**(As per P.W.D ROAD S.O.R. W.E.F. 01.01.2025)**

| S.N. | I.N. | PARTICULAR | NO | L | B | H/d | Q | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.2 | Excavation in Soil (by Mechanical Means.) Excavation for roadway in soil using mechanical means including loading in tipper for carrying of cut earth to embankment site and unloading with all lifts and lead upto 1000 meters as per relevantclauses of section 300. | | | | | | | | |
| | | | 1 | 20.00 | 3.00 | 0.15 | 9.00 | cum | 103.00 | 927.00 |
| 2 | 4.1 | Granular Sub-base as per Table :- 400-1 | | | | | | | | |
| | A/ii | Construction of granular sub base by providing close graded material carriage of mixed material to work site, spreaong in uniform layers with motor grader on prepared surface watering rolling and compacting with vibratory power roller at OMC to achive the disired density complete as per clause401 | | | | | | | | |
| | | For Sub-base cum drainage layer or upper sub-base (@) with | | | | | | | | |
| | (ii) | Grading- IV Material | 1 | 20.00 | 3.00 | 0.15 | 9.00 | cum | 1586.00 | 14274.00 |
| 3 | 1.1 | Transportation of metal i/c loading & unloading Fora lead upto \| Km. | | | | | | | | |
| | | 80% Of Excavated Qty. | | | | | 7.20 | cum | 100.00 | 720.00 |
| | | | | | | | | | | |
| 4 | 6.3 | Providing and laying cement concrete for plain concrete/ reinforced concrete i/c form work, shuttering complete in as per drawings and specifications.( For Village roads _) | | | | | | | | |
| | 1 | P.C.C. M-10 | 1 | 20.00 | 3.00 | 0.10 | 6.00 | cum | 3449.00 | 20694.00 |
| | | | | | | | | | | |
| 5 | 6.4 | Providing and laying Un-reinforced Cement Concrete without Dowel bars including formwork and expansion, contraction & longitudinal joints as per design and as per IRC-62, over a prepared base a per approved mix design and finising to lines and grade as per Drawing for Pavement thickness less than 200mm in Low Volume Roads. With Cement concrete grade M-30 and minimum cement content @ 375 kg/cum | | | | | | | | |
| | | P.C.C. M-30 | 1 | 20.00 | 3.00 | 0.15 | 9.00 | cum | 4748.00 | 42732.00 |
| | | | | | | | | | | |
| | | | | | | | | | **TOTAL** | **79347.00** |

| NAGAR PANCHAYAT CHHURIYA | |
|---|---|
| **ANNEXURE A - DETAILED SPECIFICATION OF SURVEILLANCE CAMERA** | |
| **PARAMETER** | **SPECIFICATIONS/DESCRIPTION** |
| No. of CCTV Camera at Plant | Min. 6 No. of CCTV Cameras at each plant |
| 8 Channel DVR | 8 channels and 1 HDD DVR, Up to 12 IP cameras can be connected, Efficient compression technology |
| 5 MP Built in Mic Bullet Camera | 5 MP, 2560 × 1944 resolution, Audio over coaxial cable, built-in mic, Smart IR, up to 25 m IR distance, 4 in 1 video output (switchable TVI/AHD/CVI/CVBS) |
| 5 MP Built in Mic Dome Camera | 5 MP, 2560 × 1944 resolution, Smart IR, upto 20m, IR distance, Audio over coaxial cable, built-in mic, 4 in 1 video output (switchable TVI/AHD/CVI/CVBS) |
| Hard Disk 1 TB | Full Surveillance Hard Disk With 2 Year Warranty |
| 3+1 Solid Copper Cable | Full Solid Copper, 90 Meter |
| Power Supply Ch-8 | Burning Warranty claim |
| PVC Box 4x4 | Solid PVC |
| BNC Connector | Per Camera 2 Pcs Required |
| DC Connector | Per Camera 1 Pcs Required |
| Note: CCTV surveillance system must be capable of sharing real time AV feeds, data and integration with dashboard at ULB and State Level. Internet connection may be provided by the ULB. | |

| NAGAR PANCHAYAT CHHURIYA | |
|---|---|
| **ANNEXURE B - DETAILED SPECIFICATION OF WHEEL BARROW** | |
| **PARAMETER** | **SPECIFICATIONS/DESCRIPTION** |
| Capacity of Wheel barrow | 140 litre |
| Load carrying capacity | 450 kg |
| Sheet Material | Steel sheets confirming to IS:2062 |
| Sheet thickness | 1.8 mm |
| Wheel material | Mild Steel with Solid or Cushioned rubber tyre |
| Type of bearing / bush | Cast iron bearing |
| Steel tube | not be drilled, light tubes confirming to IS:1239 |
| Grey Iron Castings | Conform to IS:210 |
| Finish of Metal parts | Two coats of black bituminous paint |
| Diameter of the Wheel | 500 mm |
| Nominal width of tyre | 50 mm |
| Hand Grips | Yes |
| Leg support | Yes |

| NAGAR PANCHAYAT CHHURIYA | |
|---|---|
| **ANNEXURE C - DETAILED SPECIFICATION OF COMPOST SIEVE MACHINE** | |
| **PARAMETER** | **SPECIFICATIONS/DESCRIPTION** |
| Automation Grade | Manual |
| Material | Mild Steel with paint coating/ Stainless Steel |
| Screener Size/Mesh | 4–6 mm |
| Capacity | 200–300 kg per hour |
| Usage/Application | Any type of compost |
| Portability | Yes, Portable |
| Length | 5 to 7 feet |
| Diameter | 2 to 3 feet |

# BOQ / COST ESTIMATION FOR EXISTING SLRM AT WARD NO. - 08, RANI DURGAWATI WARD CHHURIYA (C.G.)

# NAGAR PANCHAYAT CHHURIYA

## ABSTRACT

| S. NO. | DESCRIPTION | QTY. | UNIT | RATE | AMOUNT (Rs.) |
|---|---|---|---|---|---|
| **1** | **SLRM/MRF PLANT - WARD NO. - 08, RANI DURGAWATI WARD CHHURIYA (C.G.)** | | | | |
| **a** | **CIVIL WORK** | | | | |
| 1 | Revamping of SLRM Centre | - | - | - | 338647.11 |
| 2 | Rain Water Harvesting | - | - | - | 32001.00 |
| 3 | Storage for Baled & Recyclable Material | - | - | - | 501222.37 |
| 4 | Revamping of Toilet | - | - | - | 18762.00 |
| | | | | **Total of (a)** | **890632.49** |
| | | | | | |
| **b** | **NON SOR ITEMS** | **QTY.** | **UNIT** | **RATE** | **AMOUNT (Rs.)** |
| 1 | Weigh Bridge - 10 Ton electronic pitless weighbridge with digital load cells and auto calibration. (Detailed Specification as per Annexure D) | 1 | Nos. | 225000.00 | 225000.00 |
| 2 | Flat Conveyor Belt - approx. 7 m long, 700 mm wide, 800 mm high, flat roller type. (Detailed Specification as per Annexure E) | 1 | Nos. | 155000.00 | 155000.00 |
| 3 | HDPE Wheeled Container 100 L HDPE container, durable, wheeled design. (Detailed Specification as per Annexure F) | 10 | Nos. | 1375.00 | 13750.00 |
| 4 | Bale Trolley 250 kg MS trolley, manual, with polymer wheels, rust-proof design. (Detailed Specification as per Annexure G) | 3 | Nos. | 6800.00 | 20400.00 |

| | | | | | |
|---|---|---|---|---|---|
| 5 | Surveillance Camera - Min. 6 No. of CCTV Cameras at each plant with 5 MP cameras, DVR, night vision, and real-time monitoring. (Detailed Specification as per Annexure H) | 1 | Set | 17813.00 | 17813.00 |
| 6 | Turbine Ventilator Wind-driven turbine ventilator, 1500–2500 CFM airflow, no electricity required. (Detailed Specification as per Annexure I) | 6 | Nos. | 2500.00 | 15000.00 |
| | | | | **SUB Total** | **446963.00** |
| | | | | | |
| | | | | **Total of (b)** | **446963.00** |
| | | | | **Total of 1 (a+b)** | **1337595.49** |

# Revamping of SLRM Centre

**(Building SOR Items) W.E.F. - 01/01/2015**

| S NO. | ITEM NO. | DESCRIPTION | NO. | L | B | H/D | QTY | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|---|---|---|---|---|
| | | **RIDGES, GUTTER & RAIN WATER PIPE** | | | | | | | | |
| 1 | 10.16 | Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete : | | | | | | | | |
| | 10.16.1 | Ridges plain (500-600mm) | 1.00 | 28.00 | | | 28.00 | Rmt | 552.00 | 15456.00 |
| | | | | | | | | | | |
| 2 | 10.16.6 | Gutter. (600 mm over all girth). | 2.00 | 28.00 | | | 56.00 | | | |
| | | | | | | | 56.00 | Rmt | 629.00 | 35224.00 |
| 3 | 18.76.2 | Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete.<br>18.76.2 110 mm dia pipe.<br>Rain water Pipe | | | | | | | | |
| | | | 6.00 | 4.00 | | | 24.00 | Mtr. | 267.00 | 6408.00 |
| | | | | | | | | | | |
| | | **DEMOLISHING WORK** | | | | | | | | |
| | | | | | | | | | | |
| 4 | 16.3 | Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead. | | | | | | | | |
| | 16.3.3 | In cement mortar. | | | | | | | | |
| | | For Washing unit | 2.00 | 3.18 | 0.20 | 0.90 | 1.14 | | | |
| | | | 1.00 | 8.97 | 0.20 | 0.90 | 1.61 | | | |
| | | For Storage Unit | 2.00 | 3.18 | 0.20 | 0.90 | 1.14 | | | |
| | | | 1.00 | 8.97 | 0.20 | 0.90 | 1.61 | | | |
| | | | | | | Total | 5.52 | cum | 263.00 | 1451.44 |
| | | | | | | | | | | |
| | | **PAINTING WORK FOR SLRM CENTRE** | | | | | | | | |
| 5 | As per Ammendment no 08, 05/05/2025 item no.16.62 | Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applicd @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc<br>Litil Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour complete for the work. | | | | | | | | |
| | | Inner wall | 1.00 | 9.60 | | 3.00 | 28.80 | | | |
| | | | 2.00 | 9.20 | | 3.00 | 55.20 | | | |
| | | | 1.00 | 9.60 | | 0.90 | 8.64 | | | |
| | | | 6.00 | 2.80 | | 3.00 | 50.40 | | | |
| | | | 2.00 | 23.60 | | 0.90 | 42.48 | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Deduction | | | | | | | | |
| | | D | 1.00 | 3.00 | | 0.90 | -2.70 | | | |
| | | | 1.00 | 1.25 | | 0.90 | -1.13 | | | |
| | | D1 | 3.00 | 0.90 | | 2.10 | -5.67 | | | |
| | | W | 3.00 | 1.50 | | 1.50 | -6.75 | | | |
| | | | | | | Total | 169.28 | Sqm | 64.00 | 10833.60 |
| 6 | As per Ammendment no 08, 05/05/2025 item no.14.67 | Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S, Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish ) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year Warranty) | | | | | | | | |
| | | Outer wall | 1.00 | 10.00 | | 3.00 | 30.00 | | | |
| | | | 1.00 | 10.00 | | 0.90 | 9.00 | | | |
| | | | 2.00 | 3.20 | | 3.00 | 19.20 | | | |
| | | | 2.00 | 23.80 | | 0.90 | 42.84 | | | |
| | | Deduction | | | | | | | | |
| | | D | 1.00 | 3.00 | | 0.90 | -2.70 | | | |
| | | | 1.00 | 1.25 | | 0.90 | -1.13 | | | |
| | | D1 | 1.00 | 0.90 | | 2.10 | -1.89 | | | |
| | | W | 3.00 | 1.50 | | 1.50 | -6.75 | | | |
| | | | | | | Total | 88.58 | Sqm | 70.00 | 6200.25 |
| | | | | | | | | | | |
| 7 | As per Ammendment no 08, 05/05/2025 item no.14.76 | Providing and applying Aluminium paint mimimum 2 coats in all metal surface applying @ 0.75 li/ 10 Sqm up to required finish as per relevent I.S. code 2932: 2013 of (Product such as Asian Apcolite aluminium paint, Dulux Aliminium paint, Burger Superior Aluminium Paint) with all tools tackle and labour etc. complete for the work | | | | | | | | |
| | | For Steel | 2.00 | 27.80 | 5.80 | | 322.48 | | | |
| | | For Truss Extra 60% | | | | | 193.49 | | | |
| | | For Slrm Fencing | 1.00 | 9.60 | | 2.10 | 20.16 | | | |
| | | | 2.00 | 23.60 | | 2.10 | 99.12 | | | |
| | | | | | | | 635.25 | sqm | 43.00 | 27315.66 |
| | | | | | | | | | | |
| **KOTA STONE WORK FOR SLRM CENTRE** | | | | | | | | | | |
| | | | | | | | | | | |
| 8 | 12.49 | 25 mm thick KOTA stone slab flooring over 20mm (Average) thick base of cement mortar 1:4 laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including grinding rubbing and polishing etc. complete (Area of slab to be over 0.20 sqm and upto 0.50 sqm) | | | | | | | | |
| | | | 1 | 23.60 | 9.60 | | 226.56 | | | |
| | | | 1 | 2.80 | 9.20 | | 25.76 | | | |
| | | | | | | | 252.32 | sqm | 897.00 | 226331.04 |
| | | | | | | | | | | |
| **C.C. FLOORING** | | | | | | | | | | |
| | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 12.4 | 52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of approved quality mixed with cement in ratio of 4:1 (4 cement : 1 metallic floor hardening compound by weight) including finishing etc. complete. | | | | | | | | |
| | | | | | | | 20.00 | | | |
| | | | | | | Total | 20.00 | Sqm | 441.00 | 8820.00 |
| | | | | | | | | | | |
| | | | | | | | | | **TOTAL** | **338040.00** |

| NAGAR PANCHAYAT CHANDKHURI | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| " RAIN WATER HARVESTING (1.00X1.00X1.20 M) " | | | | | | | | | |
| **S.No.** | **PARTICULAR** | **NO.** | **L** | **B** | **H/D** | **QTY.** | **UNIT** | **RATE ( in Rs.)** | **AMOUNT (in Rs.)** |
| **1** | Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.<br>In all types of soil | | | | | | | | |
| | **(BUILDING SOR. ITEM NO.-1.1.1/9)** | 1 | 1.40 | 1.40 | 1.20 | **2.35** | **CUM** | **185.00** | **434.75** |
| **2** | Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.<br>1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). | | | | | | | | |
| | bottom Beam- | 2 | 1.40 | 0.20 | 0.20 | **0.11** | | | |
| | | 2 | 1.00 | 0.20 | 0.20 | **0.08** | | | |
| | **Top Slab-** | 1 | 1.40 | 1.40 | 0.10 | **0.20** | | | |
| | **(BUILDING SOR ITEM NO.-3.9/24)** | | | | | **0.39** | **CUM** | **4163.00** | **1623.57** |
| **3** | Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire all complete:<br>3.12.1 Thermo-Mechanically treated bars FE 415 | | | | | | | | |
| | | Qty. as per item No.-3.2.1 | | | | **0.39** | | | |
| | **(SOR ITEM NO.-3.12.1/24)** | 70 kg/cum | | | | **19.5** | **KG** | **54.50** | **1062.75** |
| **4** | Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:<br>7.5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand) | | | | | | | | |
| | **(BUILDING SOR ITEM NO.-7.5.4/45)** | 1 | 4.80 | 0.20 | 1.40 | **1.34** | **CUM** | **3263.00** | **4385.47** |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **5** | Supplying, filling, spreading & leveling stone boulders/ Gravels/ Coarse sand, in recharge pit, in the required layers and thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge. (excavation of pit will be paid separately) | | | | | | | | |
| | Stone boulders of size range 5 cm to 20 cm, in recharge pit | 1 | 1.00 | 1.00 | 0.40 | **0.40** | **CUM** | **863.00** | **345.20** |
| | Gravels of size range 5 mm to 10 mm, over the existing layer of boulders | 1 | 1.00 | 1.00 | 0.30 | **0.30** | **CUM** | **806.00** | **241.80** |
| | Coarse sand of size range 1.5 mm to 2 mm over existing layer of gravel | 1 | 1.00 | 1.00 | 0.20 | **0.20** | **CUM** | **471.00** | **94.20** |
| | **(BUILDING SOR ITEM NO.-21.14/201)** | | | | | | | | |
| | **PIPELINE-** | | | | | | | | |
| **6** | Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. | | | | | | | | |
| | In all types of soil (FOR PIPELINE) | 1 | 50.0 | 0.30 | 0.30 | **4.50** | **CUM** | **185.00** | **832.50** |
| | **(BUILDING SOR ITEM NO.-1.1/9)** | | | | | | | | |
| **7** | Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm. In depth consolidation each deposited layer by ramming and watering with a lead upto 50M. And lift upto 1.5M. | | | | | | | | |
| | 50% of Item No 1 | - | - | - | - | **2.25** | **CUM** | **65.00** | **146.25** |
| | **(BUILDING SOR ITEM NO.-1.17/11)** | | | | | | | | |
| | | | | | | | | | |
| **8** | Providing and filling in open area with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete. | | | | | | | | |
| | 50% of Item No 1 - Pipe Dia | - | - | - | - | **2.25** | **CUM** | **371.00** | **834.75** |
| | **(BUILDING SOR ITEM NO.-1.18/11)** | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **9** | Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete. | | | | | | | | |
| | 150 mm dia | 1 | 50.00 | - | - | **50.00** | **RM** | **440.00** | **22000.00** |
| | **(BUILDING SOR ITEM NO.-18.76.3/170)** | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | **Total Rs.** | **32001.00** |

# NAGAR PANCHAYAT CHANDKHURI

## STORAGE AREA FOR BALED & RECYCLABLE MATERIAL (11.50X5.00 M.)

| S. No | SOR | PARTICULARS | NO. | L | B | H/D | QTY. | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| 1 | 1.2 | Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area). | | | | | | | | |
| | | Plot Area | 1 | 13.50 | 7.00 | - | 94.50 | | | |
| | | | | | | Total | 94.50 | Sqm | 7.20 | 680.00 |
| | | | | | | | | | | |
| 2 | 1.1 | Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. | | | | | | | | |
| | 1.1.1 | In all types of soil | | | | | | | | |
| | | Footing | | | | | | | | |
| | | F1 | 8 | 1.20 | 1.50 | 1.50 | 21.60 | | | |
| | | Ground Beam | | | | | | | | |
| | | X-X Wall | 4 | 2.56 | 0.30 | 0.20 | 0.61 | | | |
| | | | 2 | 2.58 | 0.30 | 0.20 | 0.31 | | | |
| | | Y-Y Wall | 2 | 3.10 | 0.30 | 0.20 | 0.37 | | | |
| | | For Stair | 2 | 1.60 | 0.60 | 0.20 | 0.38 | | | |
| | | | | | | Total | 23.27 | Cum | 185.00 | 4306.00 |
| | | | | | | | | | | |
| 3 | 1.18 | Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete. | | | | | | | | |
| | | F1 | 8 | 1.20 | 1.50 | 0.10 | 1.44 | | | |
| | | Ground Beam | | | | | | | | |
| | | X-X Wall | 4 | 3.56 | 0.30 | 0.10 | 0.43 | | | |
| | | | 2 | 3.58 | 0.30 | 0.10 | 0.21 | | | |
| | | Y-Y Wall | 2 | 4.20 | 0.30 | 0.10 | 0.25 | | | |
| | | For Stair | 2 | 1.60 | 0.60 | 0.10 | 0.19 | | | |
| | | Floor Area | 1 | 11.10 | 4.60 | 0.20 | 10.21 | | | |
| | | | | | | Total | 12.73 | Cum | 371.00 | 4723.00 |
| | | | | | | | | | | |
| 4 | 3.1 | Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. | | | | | | | | |
| | 3.1.3 | 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size). | | | | | | | | |
| | | Below Footing | | | | | | | | |
| | | F1 | 8 | 1.20 | 1.50 | 0.10 | 1.44 | | | |
| | | Ground Beam | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | X-X Wall | 4 | 3.56 | 0.30 | 0.10 | 0.43 | | | |
| | | | 2 | 3.58 | 0.30 | 0.10 | 0.21 | | | |
| | | Y-Y Wall | 2 | 4.20 | 0.30 | 0.10 | 0.25 | | | |
| | | For Stair | 2 | 1.60 | 1.00 | 0.10 | 0.32 | | | |
| | | Floor Area | 1 | 11.10 | 4.60 | 0.10 | 5.11 | | | |
| | | | | | | Total | 7.76 | Cum | 2970.00 | 23035.00 |
| | | | | | | | | | | |
| 5 | 3.2 | Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. | | | | | | | | |
| | 3.2.1 | 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size). | | | | | | | | |
| | | Footing | | | | | | | | |
| | | F1 | 8 | 1.00 | 1.30 | 0.30 | 3.12 | | | |
| | | Column (Upto Ground Level) | | | | | | | | |
| | | C1 | 8 | 0.20 | 0.40 | 1.00 | 0.64 | | | |
| | | Column(Ground Lvl to Plinth Lvl) | | | | | | | | |
| | | C1 | 8 | 0.20 | 0.40 | 0.30 | 0.19 | **3.95** | | |
| | | Column (Abv. Plinth Top to GF Slab Top) | | | | | | | | |
| | | C1 | 8 | 0.20 | 0.40 | 3.10 | 1.98 | | | |
| | | Ground Beams | | | | | | | | |
| | | Outer at Ground Lvl | | | | | | | | |
| | | X-X Wall | 4 | 3.56 | 0.20 | 0.30 | 0.85 | | | |
| | | | 2 | 3.58 | 0.20 | 0.30 | 0.43 | | | |
| | | Y-Y Wall | 2 | 4.20 | 0.20 | 0.30 | 0.50 | | | |
| | | Lintel Beam | | | | | | | | |
| | | X-X Wall | 4 | 3.56 | 0.20 | 0.15 | 0.43 | | | |
| | | | 2 | 3.58 | 0.20 | 0.15 | 0.21 | | | |
| | | Y-Y Wall | 2 | 4.20 | 0.20 | 0.15 | 0.25 | | | |
| | | Chajja | | | | | | | | |
| | | For Door & Window | | | | | | | | |
| | | X-X Wall | 5 | 1.40 | 0.60 | 0.075 | 0.32 | | | |
| | | | | | | | | | | |
| | | Slab Beam | | | | | | | | |
| | | X-X Wall | 4 | 3.56 | 0.20 | 0.40 | 1.14 | | | |
| | | | 2 | 3.58 | 0.20 | 0.40 | 0.57 | | | |
| | | Y-Y Wall | 4 | 4.20 | 0.20 | 0.40 | 1.34 | | | |
| | | Slab | | | | | | | | |
| | | All Area | 1 | 11.50 | 5.00 | 0.125 | 7.19 | | | |
| | | | | | | Total | 19.16 | Cum | 4163.00 | 79763.00 |
| | | | | | | | | | | |
| 6 | 1.17 | Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M. | | | | | | | | |
| | | Footing Excavated Qty. | | | | | 21.60 | | | |
| | | **Deduction** | | | | | | | | |
| | | Sand Filling | | | | | -1.44 | | | |
| | | Footing P.C.C. Area | | | | | -1.44 | | | |
| | | Footing Area | | | | | -3.95 | | | |
| | | | | | | Total | 14.77 | Cum | 65.00 | 960.00 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 3.12 | Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete: | | | | | | | | |
| | 3.12.1 | Thermo-Mechanically treated bars FE 415 | | | | | | | | |
| | | As per Item No- | 1 | 19.16 | - | - | 19.16 | | | |
| | | | | | | Total | 19.16 | Cum | | |
| | | @ 100kg /Cum of Concrete | 1 | 19.16 | x | 100.00 | 1916.00 | | | |
| | | | | | | Total | 1916.00 | Kg | 54.50 | 104422.00 |
| | | | | | | | | | | |
| 8 | 2.1 | Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: | | | | | | | | |
| | 2.1.1 | Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level. | | | | | | | | |
| | | Footing | | | | | | | | |
| | | F1 | 8 | 4.60 | - | 0.30 | 11.04 | | | |
| | | Column (Upto Ground Level) | | | | | | | | |
| | | C1 | 8 | 1.20 | - | 1.00 | 9.60 | | | |
| | | Column(Ground Lvl to Plinth Lvl) | | | | | | | | |
| | | C1 | 8 | 1.20 | - | 0.30 | 2.88 | | | |
| | | Ground Beams | | | | | | | | |
| | | Outer at Ground Lvl | | | | | | | | |
| | | X-X Wall | 8 | 3.56 | - | 0.30 | 8.54 | | | |
| | | | 4 | 3.58 | - | 0.30 | 4.30 | | | |
| | | Y-Y Wall | 4 | 4.20 | - | 0.30 | 5.04 | | | |
| | | | | | | Total | 41.40 | Sqm | 139.00 | 5755.00 |
| | | | | | | | | | | |
| | 2.1.5 | Columns, Pillars, Piers and likes-rectangular or square in shape | | | | | | | | |
| | | Column (Abv. Plinth Top to GF Slab Top) | | | | | | | | |
| | | C1 | 8 | 1.20 | - | 3.10 | 29.76 | | | |
| | | | | | | Total | 29.76 | Sqm | 297.00 | 8839.00 |
| | | | | | | | | | | |
| | 2.1.13 | Weather shade, chhajja, Cornices and mouldings | | | | | | | | |
| | | For Door & Window | | | | | | | | |
| | | X-X Wall | 5 | 1.40 | 0.60 | - | 4.20 | | | |
| | | Side | 5 | 2.60 | - | 0.075 | 0.98 | | | |
| | | | | | | Total | 5.18 | Sqm | 294.00 | 1523.00 |
| | | | | | | | | | | |
| | 2.1.8 | Beams, lintels, cantilevers & walls | | | | | | | | |
| | | Lintel Beam | | | | | | | | |
| | | X-X Wall | 8 | 3.56 | - | 0.15 | 4.27 | | | |
| | | | 4 | 3.58 | - | 0.15 | 2.15 | | | |
| | | Y-Y Wall | 4 | 4.20 | - | 0.15 | 2.52 | | | |
| | | Slab Beam | | | | | | | | |
| | | X-X Wall | 8 | 3.56 | - | 0.40 | 11.39 | | | |
| | | | 4 | 3.58 | - | 0.40 | 5.73 | | | |
| | | Y-Y Wall | 8 | 4.20 | - | 0.40 | 13.44 | | | |
| | | | | | | Total | 39.50 | Sqm | 202.00 | 7979.00 |
| | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 2.1.7 | Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ) | | | | | | | | |
| | | Slab | | | | | | | | |
| | | All Area | 1 | 11.50 | 5.00 | - | 57.50 | | | |
| | | | | | | Total | 57.50 | Sqm | 235.00 | 13513.00 |
| | | | | | | | | | | |
| | 2.1.4 | Edge of slab, breaks in floor and walls upto 200mm | | | | | | | | |
| | | Slab Edges at Slab Lvl | 1 | 33.00 | - | - | 33.00 | | | |
| | | | | | | Total | 33.00 | Rm | 34.00 | 1122.00 |
| | | | | | | | | | | |
| 9 | 7.5 | Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: | | | | | | | | |
| | 7.5.4 | Cement Mortar 1:6 (1 cement : 6 coarse sand) | | | | | | | | |
| | | For Stair | | | | | | | | |
| | | | 2 | 1.60 | 0.50 | 0.10 | 0.16 | | | |
| | | | 2 | 1.60 | 0.25 | 0.10 | 0.08 | | | |
| | | | | | | Total | 0.24 | Cum | 3263.00 | 783.00 |
| | | | | | | | | | | |
| 10 | 7.5 | Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: | | | | | | | | |
| | 7.5.4 | Cement Mortar 1:6 (1 cement : 6 coarse sand) | | | | | | | | |
| | 7.6 | Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth: | | | | | | | | |
| | | Above Plinth | | | | | | | | |
| | | X-X Wall | 4 | 3.56 | 0.20 | 3.00 | 8.54 | | | |
| | | | 2 | 3.58 | 0.20 | 3.00 | 4.30 | | | |
| | | Y-Y Wall | 2 | 4.20 | 0.20 | 3.00 | 5.04 | | | |
| | | Deduction | | | | | | | | |
| | | D | 2 | 1.20 | 0.20 | 2.10 | -1.01 | | | |
| | | W | 3 | 1.20 | 0.20 | 1.20 | -0.86 | | | |
| | | | | | | Total | 16.01 | Cum | 3384.00 | 54178.00 |
| | | | | | | | | | | |
| 11 | 11.1 | Providing and making 6mm thick cement plaster of mix: | | | | | | | | |
| | 11.1.2 | In Cement mortar 1:4 (1 cement : 4 fine sand) | | | | | | | | |
| | | Slab Area | 1 | 11.10 | 4.60 | | 51.06 | | | |
| | | Add Extra 10 % | | | | | 5.11 | | | |
| | | | | | | Total | 56.17 | Sqm | 87.00 | 4886.00 |
| | | | | | | | | | | |
| 12 | 11.2 | Providing and making 12mm thick cement plaster of mix: | | | | | | | | |
| | 11.2.4 | In Cement Mortar 1:6 (1 cement : 6 fine sand) | | | | | | | | |
| | | Inner Area | | | | | | | | |
| | | X-X Wall | 2 | 11.10 | | 3.00 | 66.60 | | | |
| | | Y-Y Wall | 2 | 4.60 | | 3.00 | 27.60 | | | |
| | | For Column | 8 | 0.20 | | 3.00 | 4.80 | | | |
| | | Deduction | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | D | 2 | 1.20 | | 2.10 | -5.04 | | | |
| | | W | 3 | 1.20 | | 1.20 | -4.32 | | | |
| | | | | | | Total | 89.64 | Sqm | 91.50 | 8202.00 |
| 13 | 11.3 | Providing and making 15mm thick cement plaster on the rough side ofsingle or half brick wall of mix: | | | | | | | | |
| | 11.3.4 | In Cement Mortar 1:6 (1 cement : 6 fine sand) | | | | | | | | |
| | | Outer Plaster | | | | | | | | |
| | | X-X Wall | 2 | 11.50 | - | 3.10 | 71.30 | | | |
| | | Y-Y Wall | 2 | 5.00 | - | 3.10 | 31.00 | | | |
| | | Deduction | | | | | | | | |
| | | D | 2 | 1.20 | | 2.10 | -5.04 | | | |
| | | W | 3 | 1.20 | | 1.20 | -4.32 | | | |
| | | | | | | Total | 92.94 | Sqm | 107.00 | 9945.00 |
| | | | | | | | | | | |
| 14 | 12.3 | Cement concrete flooring with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm) finished with a floating coat of neat cement | | | | | | | | |
| | 12.3.2 | 50 mm thick | 1 | 11.10 | 4.60 | | 51.06 | Sqm | 254.00 | 12969.24 |
| | | | | | | | | | | |
| 15 | As per Ammend ment no 08, 05/05/202 5 item no.14.57 | Providing and applying 2mm thick white cement based Acrylic grade putty with minimum 3 coats applied @ 4.0 kg/ 10Sqm as per relevant IS code 17545:2021 (Product such as Asian trucare, Berger Happy walls Putty Birla Opus One pro smooth) to make the surface smooth and even with all tools tackles and labour etc. complete for the work . (This Item to be use in heigher grade painting works Item No. 14.65) | | | | | | | | |
| | | As per item No- | 11 | - | - | - | 56.17 | | | |
| | | As per item No- | 12 | - | - | - | 89.64 | | | |
| | | As per item No- | 13 | - | - | - | 92.94 | | | |
| | | | | | | Total | 238.75 | Sqm | 95.00 | 22681.00 |
| | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 16 | As per Ammend ment no 08, 05/05/202 5 item no.14.62 | Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applicd @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc Litil Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour complete for the work. | | | | | | | | |
| | | As per item No- | 11 | - | - | - | 56.17 | | | |
| | | As per item No- | 12 | - | - | - | 89.64 | | | |
| | | | | | | Total | 145.81 | Sqm | 64.00 | 9332.00 |
| | | | | | | | | | | |
| 17 | As per Ammend ment no 08, 05/05/202 5 item no.14.67 | Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S, Code 15489:2013 Type -2 Class D,C (Glossy /Semi Glossy finish ) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year Warranty) | | | | | | | | |
| | | As per item No- | 13 | - | - | - | 92.94 | | | |
| | | | | | | Total | 92.94 | Sqm | 70.00 | 6506.00 |
| | | | | | | | | | | |
| 18 | 4.21 | Providing post water proofing treatment against dampness & Seepage in roof, terraces, sunken floor of toilets with reinforced acrylic breathable (polymer content 35%, elongation at break at > 100%) coating consisting of following operations:<br>i) Removing loose material and cleaning the surface.<br>ii) Priming in one coat with water based acrylic emulsion.<br>iii) Three coats with reinforced acrylic breathable polymer | | | | | | | | |
| | | Slab Area | 1 | 11.50 | 5.00 | | 57.50 | | | |
| | | | | | | Total | 57.50 | Sqm | 611.00 | 35133.0 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 19 | 9.18 | Providing and fixing in position doors, windows and ventilators frames made of cold rolled pressed steel sheet framed profiles made from commercial M.S. Sheets conforming to I.S. 513 of 1973 and as per general specifications of I.S 4351 including hinges jamb, lock jamb, steel butt hinges, base tie, joints mitred and welded with 10cm long legs of size 15x3mm M.S. flat, embedded in cement concrete blocks 15x10x10cm size of grade M-10 or rawl plugs and screws or with fixing clips or with bolts and nuts including neatly compacted filling M-10 cement concrete in profile section applying a priming coat of red oxide zinc chromate primer. | | | | | | | | |
| | 9.18.4 | Single rebate/ mullion 100mmx50mm size, 1.6mm thick sheet. | | | | | | | | |
| | | Door | 2 | 6.60 | | | 13.20 | | | |
| | | | | | | | 13.20 | Metre | 474.00 | 6256.80 |
| | | | | | | | | | | |
| 20 | 9.15 | Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate primer. | | | | | | | | |
| | | Window | 3 | 1.20 | - | 1.20 | 4.32 | | | |
| | | | | | | | 4.32 | Sqm | | |
| | | For Qty of steel= Areax30.00 kg/Sqm | 1 | 4.32 | x | 30.00 | 129.60 | | | |
| | | | | | | Total | 129.60 | kg | 67.50 | 8748.00 |
| | | | | | | | | | | |
| 21 | 9.13 | Providing and fixing steel door/ window with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of angle/ flat iron of suitable size, 3.00 mm M.S. gusset plates at junctions and corners, all necessary fittings complete including applying a priming coat of red oxide zinc chromate primer. | | | | | | | | |
| | | Door | 2 | 1.20 | | 2.10 | 5.04 | | | |
| | | Window | 3 | 1.20 | | 1.20 | 4.32 | | | |
| | | | | | | | 9.36 | | | |
| | | For Qty of steel= Areax30.0 kg/Sqm | | 9.36 | x | 30.00 | 280.80 | kg | 75.00 | 21060.00 |
| | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 22 | As per Ammend ment no 08, 05/05/202 5 item no.14.72 | Providing and applying Glossy finish Enamel paint mimimum 2 Coats in al surface applying @ 0.75 lit/ 10 Sqm up to required finish as per relevent I.S. code 2932: 2013 of (Product such as Asian Apcolite Premium Enamel Dulux Promise Premium Enamel Nerolac Synthatic Enamel, Opus Prime enamel ) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackle and labour etc. complete for the work. | | | | | | | | |
| | | On Steel work | | | | | | | | |
| | | Door | 4 | 1.20 | | 2.10 | 10.08 | | | |
| | | Window | 6 | 1.20 | - | 1.20 | 8.64 | | | |
| | | | | | | Total | 18.72 | Sqm | 120.00 | 2246.00 |
| | | | | | | | | | | |
| 23 | 9.37 | Providing and fixing M.S. fan clamp/ hook for ceiling fan made out of 16 mm dia M.S. bar bent to shape with hooked ends in R.C.C. slabs, beams during laying including painting the exposed portion of loop. | | | | | | | | |
| | | | 3 | - | - | - | 3.00 | | | |
| | | | | | | Total | 3.00 | Each | 97.00 | 291.0 |
| | | | | | | | | | | |
| | | | | | | | | | **Total** | **459837.04** |
| | | Electrification | 0.09 | | | | | | | 41385.33 |
| | | | | | | | | | **G. Total** | **501222.37** |

# NAGAR PANCHAYAT CHHURIYA

## REVAMPING OF TOILET

| S. No | SOR | PARTICULARS | NO. | L | B | H/D | QTY. | UNIT | RATE | AMOUNT |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| 1 | 16.53 | Removing following vitreous china sanitorywares carefully for re-use including stacking within 50 metres lead. | | | | | | | | |
| | 16.53.3 | European/ Anglo Indian WC pan of all sizes | | | | | 1.00 | cum | 46.00 | 46.00 |
| | | | | | | | | | | |
| 2 | 12.74 AS PER AMMENDMENT | Providing and laying rectified ceramic glazed floor tiles of size 300x300mm and above conforming to IS : 15622 of approved make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete. | | | | | | | | |
| | | 12.74.1 Size 300x300mm | | | | | | | | |
| | | area | | | | | | | | |
| | | Toilet | 1 | 1.20 | 1.64 | | 1.97 | | | |
| | | | | | | Total | 1.97 | Sqm | 779.00 | 1533.00 |
| | | | | | | | | | | |
| 3 | As per Ammendment no 08, 05/05/2025 item no.14.53 | White washing/ Colour washing with lime to give an even Sqm shade in Three or more Coats for New surface as per relevant IS code 6278:1971 Consumption of lime 3.50kg /10 Sqm with all tools tackles and labour etc. complete for the work. | | | | | | | | |
| | | Slab | 2 | 1.20 | 1.64 | | 3.94 | | | |
| | | | 1 | 1.00 | 1.10 | | 1.10 | | | |
| | | | 2 | 0.65 | 0.44 | | 0.57 | | | |
| | | | | | | | | | | |
| | | inner wall | 4 | 1.64 | | 2.10 | 13.78 | | | |
| | | | 2 | 1.10 | | 2.10 | 4.62 | | | |
| | | | 4 | 0.65 | | 2.10 | 5.46 | | | |
| | | | 4 | 1.20 | | 2.10 | 10.08 | | | |
| | | | 2 | 1.00 | | 2.10 | 4.20 | | | |
| | | | 2 | 0.44 | | 2.10 | 1.85 | | | |
| | | | 4 | 1.30 | | 2.10 | 10.92 | | | |
| | | | 4 | 1.89 | | 2.10 | 15.88 | | | |
| | | | | | | | | | | |
| | | Deduction | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | D2 | 3 | 0.75 | | 2.10 | -4.73 | | | |
| | | V | 3 | 0.45 | | 0.30 | -0.41 | | | |
| | | | | | | | **67.26** | | | |
| | | | | | | | | | | |
| | | outer wall | 2 | 4.10 | | 2.20 | 18.04 | | | |
| | | | 2 | 2.10 | | 2.20 | 9.24 | | | |
| | | | 2 | 4.38 | | 1.50 | 13.14 | | | |
| | | | 2 | 1.70 | | 1.50 | 5.10 | | | |
| | | Deduction | | | | | | | | |
| | | D2 | 3 | 0.75 | | 2.10 | -4.73 | | | |
| | | V | 3 | 0.45 | | 0.30 | -0.41 | | | |
| | | | | | | | **40.39** | | | |
| | | | | | | Total | 107.65 | Sqm | 14.00 | 1507.00 |
| | | | | | | | | | | |
| 4 | As per Ammendment no 08, 05/05/2025 item no.14.62 | Providing and applying Acrylic washable Distemper or lite economy Plastic emulsion paint having VOC content less than 50gms/ lit Minimum two coats up to final finish applicd @ 1.25 Kg/ 10Sqm as per relevant L.S. Code 428:2000 (product such as Tractor Uno, Dulux Duval, Berger Bison, Opus Style/lite economy emulsion product such as Asian Tactor Spark Dulux Pomise sheen, Neroloc Litil Master, Berger Bison Lite, Nippon Superio.) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour complete for the work. | | | | | | | | |
| | | | | | | Total | 67.26 | Sqm | 64.00 | 4305.00 |
| | | | | | | | | | | |
| 5 | As per Ammendment no 08, 05/05/2025 item no.14.67 | Providing and applying on exterior surface with ECONOMY Exterior Emulsion paint of required shades to give protective and water proof finish minimum three coats applied @ 1.43 lit / 10Sqm up to final finish as per relevant I.S, Code 15489:2013 Type - 2 Class D,C (Glossy /Semi Glossy finish ) (Product such as Asian Ace,Dulux Promise Exterior Berger Wall Masta ,Nerolac Suraksha Plus , Nippon Shogun Opus, One Style Power Bright) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work (With 2 Year Warranty) | | | | | | | | |
| | | | | - | - | - | 40.39 | | | |
| | | | | | | Total | 40.39 | Sqm | 70.00 | 2827.00 |
| 6 | 11.2 | Providing and making 12mm thick cement plaster of mix: | | | | | | | | |
| | 11.2.4 | In Cement Mortar 1:6 (1 cement : 6 fine sand) | | | | | 67.26 | Sqm | 91.50 | 6154.00 |
| | | | | | | | | | | |
| 7 | 11.3 | Providing and making 15mm thick cement plaster on the rough side of single or half brick wall | | | | | | | | |
| | 11.3.3 | In Cement Mortar 1:5 (1 cement : 5 fine sand) | | | | | 40.39 | Sqm | 113.00 | 4564.00 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 19.14 | Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required: | | | | | | | | |
| | 19.14.1 | Bib cock (400 grams) | | | | | 1.00 | Each | 382.00 | 382.0 |
| | | | | | | | | | | |
| 9 | 18.77 | Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. | | | | | | | | |
| | | Tee/ Tee with door/ Bend 45°/ Bend 90 | | | | | | | | |
| | | 75 mm dia pipe. | | | | | 2.00 | Each | 154.00 | 308.00 |
| | | | | | | | | | | |
| 10 | 18.13.2 | Providing and fixing white vitreous china urinal basin with waste fitting as per IS : 2556, and other | | | | | | | | |
| | 18.13.2 | Flat back type urinal of size 460x380x250mm | | | | | | | | |
| | | | | | | | 2.00 | Each | 1529.00 | 3058.00 |
| | | | | | | | | | | |
| 11 | 18.17.1 | Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required : | | | | | | | | |
| | 18.17.1 | White Size 550x450 mm | | | | | 1.00 | Each | 1430.00 | 1430.00 |
| | | | | | | | | | | |
| | | | | | | | | | **Total** | **26114.00** |

| NAGAR PANCHAYAT CHHURIYA | |
|---|---|
| **ANNEXURE D - DETAILED SPECIFICATION OF WEIGH BRIDGE** | |
| **PARAMETER** | **SPECIFICATIONS/DESCRIPTION** |
| Bridge Type | Electronic Pitless Type |
| Platform material & Size | 1. High Tensile Structural Steel as per IS:2062:2011 |
| | 2. Should be anti-skid type. |
| | 3. Thickness of platform plate not less than 10 mm |
| | 4. Size 6.6 metre and 2.5 metre (length X width) |
| Weighing Capacity | 10 Tonne |
| Load cell | 4 Load cell |
| UPS | 30 minute backup |
| Printer | Laser Printer |
| Display modes | a) Indicate weight |
| | b) Indicate calibration-Auto zero tracking |
| | c) Calibration to be checked automatically every 5 minutes |
| Readability | 2 Kg |
| Type/capacity of load cell | Digital Double Ended Shear Beam load cells, pre-calibrated load cells – 5000/kg (04 No.) with mounting kits |
| Accessories of Junction Box (01 Set) | Cables: Home run cable 20 metre & inter connections cable between load cell and junction box & weighing electronics. |
| Electric supply | 3 Phase (440 V 50Hz) |
| Surface finish on metal parts | Powder coating/ paint |
| Surface finish on metal parts | Powder coating/ paint |
| Note: Weighbridge must be capable of sharing real time data of weighment and integration with dashboard at ULB and State Level. Internet connection may be provided by the ULB. | |

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| **ANNEXURE E - DETAILED SPECIFICATION OF FLAT CONVEYOR BELT** | |
| **PARAMETER** | **SPECIFICATIONS/DESCRIPTION** |
| Length of Conveyor | Approx. 7 m from End to End of conveyor |
| Width of Conveyor Belt | 700 mm |
| Height of Conveyor | 800 mm |
| Type | Flat roller type belt conveyor |
| Motor | 3.75 kW (5 HP), 1440 RPM, TEFC (Totally Enclosed Fan Cooled) copper wire conforming to IS : 13730, 3- phase, 4- pole |
| Inclination | 0° |
| Size of belt | 1000 mm wide ( working width 800 mm) |
| Belt Specification | Plain rubber belt, 3 ply, 3 mm top, 1.5 mm bottom rubber covering, total plain belt thickness 08 mm, nylon cord conforming to M 24 grade |
| Drive pulley for conveyor | 320 mm OD with crowning surface with 65 mm shaft with rubber coating and hearing bone design |
| Rear pulley for conveyor | 320 mm OD with crowning surface with 65 mm shaft with rubber coating and hearing bone design |
| Side Guard | 2 mm thick MS sheet with supporting structure |
| Side guard skirting | 2 mm thick rubber belt |
| Conveyor body | Manu. From IS 2062, 4 mm thickness plate framing structure |
| Rear pulley cover | 2 mm thick MS sheet |
| Bearing for roller | 6205 2RS type |
| Shaft | Precise Machined from EN-24 grade material |
| Guide rollers | 60 mm pipe with bright bar spindle and sealed with single roll anti friction deep grooved ball bearing |
| Carrying & return roller | 76.1 mm ID ERW pipe with CI housing, bright bar spindle and sealed with single roll anti friction deep grooved ball bearing |
| Bearing | Angular contact type with fitted in split housing |
| Idler Spacing confirming to IS 9295-1983 | Carrying Idler – 600 to 800 mm, |
| | Return Idler - 1200 to 1500 mm |

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| Belt join | Endless type belt |
| Scrappers | Driver side: Flat Scrapper |
| | Rear Pulley: V plough type |
| Take up | Screw type take up design at front side of Conveyor |
| Gear Box | Worm type, 20:1 ratio, Hollow input & output |
| Belt speed | 1.2 m/sec |
| Pulley RPM | 72 RPM |
| Conveyor direction | Uni- directional (One side) |
| VFD specification | VFD suitable for speed control of conveyor belt motor ranging from 50% to 100% of rated speed |
| Speed Control | 0.6 to 1.2 m/sec ( using gear & VFD) |

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| **ANNEXURE F - DETAILED SPECIFICATION OF HDPE CONTAINER** | |
| **PARAMETER** | **SPECIFICATIONS/DESCRIPTION** |
| Capacity | 100 litre |
| Material | High Density Polyethylene (HDPE) |
| Type | Injection molded |
| High resistance to | Heat & Chemicals |
| Pay load | Municipal Solid Waste |
| Confirming Standards | Appropriate Indian Standards |
| Wheels | Yes, Durable rubberized/PU/equivalent |
| Hand Grips | Yes |

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| **ANNEXURE G - DETAILED SPECIFICATION OF BAALE TROLLY** | |
| **PARAMETER** | **SPECIFICATIONS/DESCRIPTION** |
| Carrying Capacity | 250 kg (Minimum) |
| Size | 40” L X 20” W x 10” Height of Toe (Minimum) |
| Trolley Material | Mild Steel |
| Wheels | 2 Nos to 4 Nos |
| Wheel Material | High quality polymer wheels (8-10 Inch dia) |
| Surface Finish | Powder Coated or Painted (Rust-proof) |
| Operating Type | Manual (Hand-operated)2 |
| Shape | Rectangular or L-type |
| Load Platform Height | Approx. 10" to 12" from ground level |

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| **ANNEXURE H - DETAILED SPECIFICATION OF SURVEILLANCE CAMERA** | |
| **PARAMETER** | **SPECIFICATIONS/DESCRIPTION** |
| No. of CCTV Camera at Plant | Min. 6 No. of CCTV Cameras at each plant |
| 8 Channel DVR | 8 channels and 1 HDD DVR, Up to 12 IP cameras can be connected, Efficient compression technology |
| 5 MP Built in Mic Bullet Camera | 5 MP, 2560 × 1944 resolution, Audio over coaxial cable, built-in mic, Smart IR, up to 25 m IR distance, 4 in 1 video output (switchable TVI/AHD/CVI/CVBS) |
| 5 MP Built in Mic Dome Camera | 5 MP, 2560 × 1944 resolution, Smart IR, upto 20m, IR distance, Audio over coaxial cable, built-in mic, 4 in 1 video output (switchable TVI/AHD/CVI/CVBS) |
| Hard Disk 1 TB | Full Surveillance Hard Disk With 2 Year Warranty |
| 3+1 Solid Copper Cable | Full Solid Copper, 90 Meter |
| Power Supply Ch-8 | Burning Warranty claim |
| PVC Box 4x4 | Solid PVC |
| BNC Connector | Per Camera 2 Pcs Required |
| DC Connector | Per Camera 1 Pcs Required |
| Note: CCTV surveillance system must be capable of sharing real time AV feeds, data and integration with dashboard at ULB and State Level. Internet connection may be provided by the ULB. | |

| NAGAR PANCHAYAT CHHURIYA | |
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| **ANNEXURE I - DETAILED SPECIFICATION OF TURBINE VENTILATOR** | |
| **PARAMETER** | **SPECIFICATIONS/DESCRIPTION** |
| Turbine Diameter | 24" to 36" (610 mm to 915 mm) |
| Number of Vanes | 30 to 48 |
| Bearings | Double Ball Bearing or bearing-less spider frame |
| Base Plate Material | FRP (Fiber Reinforced Plastic), Polycarbonate, or Galvanized Iron (GI) |
| Airflow Capacity | 1500–2500 CFM per unit (depends on wind speed and size) |
| Wind Resistance | Up to 180 km/h |
| Operating Principle | Wind-driven + thermal convection (no electricity required) |
| Roof Compatibility | RCC, metal, asbestos, GI sheet roofs |
| Mounting Method | Bolted or riveted with waterproof sealant |