

**Name of work:-** Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/PI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

**Name of Agency:-** M/s Khilari Infrastructure Pvt.Ltd. & GECPL (Joint Venture)

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Azad Chowk to Siddharth Chowk 1.2 MH Exc.

| Azad Chowk to Siddharth Chowk 1.2 MH Exc. |                                                                                            |         |         |         |       |       |       |                    |                 |          |                          |
|-------------------------------------------|--------------------------------------------------------------------------------------------|---------|---------|---------|-------|-------|-------|--------------------|-----------------|----------|--------------------------|
| Date                                      | Particulars of work                                                                        | DETAILS |         |         |       |       |       | Content of arrears | Last measurment |          | Total Upto Date Quantity |
|                                           |                                                                                            | GL      | No      |         | L     | B     | D     |                    | Page            | Quantity |                          |
|                                           |                                                                                            |         | IL      | EX.L    |       |       |       |                    |                 |          |                          |
|                                           | Item No. 30 :- Refilling the excavated trenches ...                                        |         |         |         |       |       |       |                    |                 |          |                          |
|                                           | <b>Total Excavation(A)=</b>                                                                |         |         |         |       |       |       |                    |                 |          |                          |
|                                           | <b>Deduction</b>                                                                           |         |         |         |       |       |       |                    |                 |          |                          |
|                                           | Brick work                                                                                 |         |         |         |       |       |       | 13.912             |                 |          |                          |
|                                           | Brick work                                                                                 | 1.00    |         | 0.785   | 1.31  | 1.31  | 2.255 | 3.04               |                 |          |                          |
|                                           | PCC                                                                                        |         |         |         |       |       |       | 0.00               |                 |          |                          |
|                                           | Murum bedding                                                                              | 1.00    |         | 0.785   | 1.96  | 1.96  | 0.250 | 0.75               |                 |          |                          |
|                                           | <b>Total (B)</b>                                                                           |         |         |         |       |       |       | 0.00               |                 |          |                          |
|                                           |                                                                                            |         |         |         |       |       |       | 3.79               |                 |          |                          |
|                                           | <b>AS 03</b>                                                                               |         |         |         |       |       |       |                    |                 |          |                          |
|                                           | <b>CH75.50</b>                                                                             |         |         |         |       |       |       | 10.12              |                 |          |                          |
|                                           |                                                                                            | 593.110 | 590.865 | 590.615 |       |       | 2.495 |                    | 10.27           |          | 20.39                    |
|                                           | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc      |         |         |         |       |       |       |                    |                 |          |                          |
|                                           | (a) For Lift 0 to 1.5m                                                                     | 1.000   |         |         |       |       |       |                    |                 |          |                          |
|                                           | (b) For Lift 1.5m to 3.0m                                                                  | 1.000   |         |         | 0.785 | 7.075 | 0.500 | 2.78               |                 |          |                          |
|                                           | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.         |         |         |         | 0.785 | 7.075 | 0.000 | 0.00               | 10.83           |          | 13.61                    |
|                                           | (a) For Lift 0 to 1.5m                                                                     |         |         |         |       |       |       |                    | 0.83            |          | 0.83                     |
|                                           | (b) For Lift 1.5m to 3.0m                                                                  | 1.000   |         |         | 0.785 | 7.075 | 0.800 | 4.44               |                 |          |                          |
|                                           | Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.           | 1.000   |         |         | 0.785 | 7.075 | 0.995 | 5.53               | 4.17            |          | 8.61                     |
|                                           | (a) For Lift 0 to 1.5m                                                                     |         |         |         |       |       |       |                    | 7.25            |          | 12.77                    |
|                                           | (b) For Lift 1.5m to 3.0m                                                                  | 1.000   |         |         | 0.785 | 7.075 | 0.200 | 1.11               |                 |          |                          |
|                                           | Item No. : 11 Transportation of earth Transportation charges including loading & unloading | 1.000   |         |         | 0.785 | 7.075 | 0.000 | 0.00               | 1.67            |          | 2.78                     |
|                                           | Item No. 30 :- Refilling the excavated trenches ...                                        |         |         |         |       |       |       | 3.778              | 3.28            |          | 3.28                     |
|                                           | <b>Total Excavation(A)=</b>                                                                |         |         |         |       |       |       |                    | 7.63            |          | 11.41                    |
|                                           | <b>Deduction</b>                                                                           |         |         |         |       |       |       |                    |                 |          |                          |
|                                           | Brick work                                                                                 |         |         |         |       |       |       | 13.857             |                 |          |                          |
|                                           | Brick work                                                                                 | 1.00    |         | 0.785   | 1.31  | 1.31  | 2.245 | 3.02               |                 |          |                          |
|                                           | PCC                                                                                        |         |         |         |       |       |       | 0.00               |                 |          |                          |
|                                           | Murum bedding                                                                              | 1.00    |         | 0.785   | 1.96  | 1.96  | 0.250 | 0.75               |                 |          |                          |
|                                           | <b>Total (B)</b>                                                                           |         |         |         |       |       |       | 0.00               |                 |          |                          |
|                                           |                                                                                            |         |         |         |       |       |       | 3.78               |                 |          |                          |
|                                           | <b>Net Qty = A - B</b>                                                                     |         |         |         |       |       |       | 10.08              |                 |          |                          |
|                                           |                                                                                            |         |         |         |       |       |       |                    | 20.39           |          | 30.47                    |



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Page 17 of 17 - Development of Underground Sewerage Collection system for Zone I to VI and Zone VII. All Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No. 98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main from Banewadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to Nakshtrawadi City.

Azad Chowk to Siddharth Chowk 1.5m MH Excavation

9<sup>th</sup> RA BILL MEASUREMENTS

## BRANCH SEWER AT Azad Chowk to Siddharth Chowk

| Date | Particulars of work                                                                                                                           | DETAILS |         |         |       |        |       | Content of arrears | Last measurement |          | Total Upto Date Quantity |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|-------|--------|-------|--------------------|------------------|----------|--------------------------|
|      |                                                                                                                                               | GL      | No IL   | EX.L    | L     | B      | D     |                    | Page             | Quantity |                          |
|      | Excavation of Chamber -<br>For 1.50m dia Manhole (upto a depth of 1.50m to 5.00m)-<br>$1.50 \times 0.35 \times 0.35 + 0.5 \times 0.5 = 3.20m$ |         |         |         |       |        |       |                    |                  |          |                          |
|      | Width for Manhole- $3.2 \times 3.2 = 10.24m$                                                                                                  |         |         |         |       |        |       |                    |                  |          |                          |
|      | AS 04                                                                                                                                         |         |         |         |       |        |       |                    |                  |          |                          |
|      | CH106.60                                                                                                                                      | 593.620 | 591.195 | 590.945 |       |        | 2.675 |                    |                  |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.                                               |         |         |         |       |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                                                                        | 1       |         |         | 0.785 | 10.240 | 0.600 | 4.823              |                  | 13.607   | 18.430                   |
|      | (b) For Lift 1.5m to 3.0m                                                                                                                     | 1       |         |         | 0.785 | 10.240 | 0.000 | 0.000              |                  | 0.833    | 0.833                    |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.                                                            |         |         |         |       |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                                                                        | 1       |         |         | 0.785 | 10.240 | 0.700 | 5.627              |                  | 8.609    | 14.235                   |
|      | (b) For Lift 1.5m to 3.0m                                                                                                                     | 1       |         |         | 0.785 | 10.240 | 1.175 | 9.445              |                  | 12.774   | 22.219                   |
|      | Item No. 4 :- Excavation for foundation/pipe trenches in soft                                                                                 |         |         |         |       |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                                                                        | 1       |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                  | 2.777    | 4.385                    |
|      | (b) For Lift 1.5m to 3.0m                                                                                                                     | 1       |         |         | 0.785 | 10.240 | 0.000 | 0.000              |                  | 3.277    | 3.277                    |
|      | Item No. : 11 Transportation of earth Transportation charges                                                                                  |         |         |         |       |        |       |                    |                  |          |                          |
|      | Item No. 30 :- Refilling the excavated trenches ...                                                                                           |         |         |         |       |        |       | 6.764              |                  | 11.409   | 18.173                   |
|      | Total Excavation=                                                                                                                             |         |         |         |       |        |       |                    |                  |          |                          |
|      | Deduction                                                                                                                                     |         |         |         |       |        |       | 21.503             |                  |          |                          |
|      | Brick work                                                                                                                                    | 1       |         | 0.785   | 2.280 | 2.280  | 0.425 | 1.734              |                  |          |                          |
|      | PCC                                                                                                                                           | 1       |         | 0.785   | 1.540 | 1.540  | 2.000 | 3.723              |                  |          |                          |
|      | Soling                                                                                                                                        | 1       |         | 0.785   | 2.580 | 2.580  | 0.250 | 1.306              |                  |          |                          |
|      |                                                                                                                                               |         |         | 0.785   | 2.580 | 2.580  | 0.000 | 0.000              |                  |          |                          |
|      | AS 05                                                                                                                                         |         |         |         |       |        |       | 6.764              |                  |          |                          |
|      | CH141.40                                                                                                                                      | 594.550 | 591.725 | 591.475 |       |        |       | 14.739             |                  | 30.467   | 45.206                   |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.                                               |         |         |         |       |        | 3.075 |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                                                                        | 1       |         |         | 0.785 | 10.240 | 0.500 | 4.019              |                  | 18.430   | 22.449                   |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.                                                            |         |         |         |       |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                                                                        | 1       |         |         | 0.785 | 10.240 | 0.800 | 6.431              |                  | 14.235   | 20.666                   |
|      | (b) For Lift 1.5m to 3.0m                                                                                                                     | 1       |         |         | 0.785 | 10.240 | 0.400 | 3.215              |                  | 22.219   | 25.434                   |
|      | Item No. 4 :- Excavation for foundation/pipe trenches in soft                                                                                 |         |         |         |       |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                                                                        | 1       |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                  | 4.385    | 5.992                    |
|      | (b) For Lift 1.5m to 3.0m                                                                                                                     | 1       |         |         | 0.785 | 10.240 | 0.300 | 2.412              |                  | 3.277    | 5.688                    |
|      | ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete                                                  |         |         |         |       |        |       |                    |                  |          |                          |
|      | (b) For Lift 1.5m to 3.0m                                                                                                                     | 1       |         |         | 0.785 | 10.240 | 0.800 | 6.431              |                  | 0.000    | 6.431                    |
|      | (c) For Lift 3.0m to 4.5m                                                                                                                     | 1       |         |         | 0.785 | 10.240 | 0.075 | 0.603              |                  | 0.000    | 0.603                    |
|      | Item No. : 11 Transportation of earth Transportation charges                                                                                  |         |         |         |       |        |       | 8.396              |                  | 18.173   | 26.569                   |



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Azad Chowk to Siddharth Chowk 1.5m MH Excavation

| Date | Particulars of work                                                                             | DETAILS         |         |         |       |        |       | Content of arrears | Last measurment |          | Total Upto Date Quantity |
|------|-------------------------------------------------------------------------------------------------|-----------------|---------|---------|-------|--------|-------|--------------------|-----------------|----------|--------------------------|
|      |                                                                                                 | GL              | No      |         | L     | B      | D     |                    | Page            | Quantity |                          |
|      |                                                                                                 |                 | IL      | EX.L    |       |        |       |                    |                 |          |                          |
|      | Item No. 30 :- Refilling the excavated trenches ...                                             |                 |         |         |       |        |       |                    |                 |          |                          |
|      | Total Excavation=                                                                               |                 |         |         |       |        |       | 24.718             |                 |          |                          |
|      | Deduction                                                                                       |                 |         |         |       |        |       |                    |                 |          |                          |
|      | Brick work                                                                                      | 1               |         | 0.785   | 2.280 | 2.280  | 0.825 | 3.367              |                 |          |                          |
|      |                                                                                                 | 1               |         | 0.785   | 1.540 | 1.540  | 2.000 | 3.723              |                 |          |                          |
|      | PCC                                                                                             | 1               |         | 0.785   | 2.580 | 2.580  | 0.250 | 1.306              |                 |          |                          |
|      | Soling                                                                                          | 1               |         | 0.785   | 2.580 | 2.580  | 0.000 | 0.000              |                 |          |                          |
|      |                                                                                                 |                 |         |         |       |        |       | 8.396              |                 |          |                          |
|      |                                                                                                 | Net Qty = A - B |         |         |       |        |       | 16.322             |                 | 45.206   | 61.528                   |
|      | AS 06                                                                                           |                 |         |         |       |        |       |                    |                 |          |                          |
|      | CH172.70                                                                                        | 595.380         | 592.195 | 591.945 |       |        | 3.435 |                    |                 |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |                 |         |         |       |        |       |                    |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1               |         |         | 0.785 | 10.240 | 0.300 | 2.412              |                 | 22.449   | 24.861                   |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |                 |         |         |       |        |       |                    |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1               |         |         | 0.785 | 10.240 | 1.000 | 8.038              |                 | 20.666   | 28.705                   |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1               |         |         | 0.785 | 10.240 | 1.500 | 12.058             |                 | 25.434   | 37.492                   |
|      | (c) For Lift 3.0m to 4.5m                                                                       | 1               |         |         | 0.785 | 10.240 | 0.435 | 3.497              |                 | 0.000    | 3.497                    |
|      | Item No. 4 :- Excavation for foundation/pipe trenches in soft                                   |                 |         |         |       |        |       |                    |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1               |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                 | 5.992    | 7.600                    |
|      | Item No. : 11 Transportation of earth Transportation charges                                    |                 |         |         |       |        |       | 9.865              |                 | 26.569   | 36.435                   |
|      | Item No. 30 :- Refilling the excavated trenches ...                                             |                 |         |         |       |        |       |                    |                 |          |                          |
|      | Total Excavation=                                                                               |                 |         |         |       |        |       | 27.612             |                 |          |                          |
|      | Deduction                                                                                       |                 |         |         |       |        |       |                    |                 |          |                          |
|      | Brick work                                                                                      | 1               |         | 0.785   | 2.280 | 2.280  | 1.185 | 4.836              |                 |          |                          |
|      |                                                                                                 | 1               |         | 0.785   | 1.540 | 1.540  | 2.000 | 3.723              |                 |          |                          |
|      | PCC                                                                                             | 1               |         | 0.785   | 2.580 | 2.580  | 0.250 | 1.306              |                 |          |                          |
|      | Soling                                                                                          | 1               |         | 0.785   | 2.580 | 2.580  | 0.000 | 0.000              |                 |          |                          |
|      |                                                                                                 |                 |         |         |       |        |       | 9.865              |                 |          |                          |
|      |                                                                                                 | Net Qty = A - B |         |         |       |        |       | 17.746             |                 | 61.528   | 79.274                   |
|      | AS 07                                                                                           |                 |         |         |       |        |       |                    |                 |          |                          |
|      | CH201.50                                                                                        | 595.970         | 592.595 | 592.345 |       |        | 3.625 |                    |                 |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |                 |         |         |       |        |       |                    |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1               |         |         | 0.785 | 10.240 | 1.100 | 8.842              |                 | 24.861   | 33.703                   |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1               |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                 | 0.833    | 2.441                    |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |                 |         |         |       |        |       |                    |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1               |         |         | 0.785 | 10.240 | 0.250 | 2.010              |                 | 28.705   | 30.714                   |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1               |         |         | 0.785 | 10.240 | 1.300 | 10.450             |                 | 37.492   | 47.942                   |
|      | (c) For Lift 3.0m to 4.5m                                                                       | 1               |         |         | 0.785 | 10.240 | 0.625 | 5.024              |                 | 3.497    | 8.521                    |
|      | Item No. 4 :- Excavation for foundation/pipe trenches in soft                                   |                 |         |         |       |        |       |                    |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1               |         |         | 0.785 | 10.240 | 0.150 | 1.206              |                 | 7.600    | 8.806                    |
|      | Item No. : 11 Transportation of earth Transportation charges                                    |                 |         |         |       |        |       | 10.641             |                 | 36.435   | 47.075                   |
|      | Item No. 30 :- Refilling the excavated trenches ...                                             |                 |         |         |       |        |       |                    |                 |          |                          |
|      | Total Excavation=                                                                               |                 |         |         |       |        |       | 29.139             |                 |          |                          |
|      | Deduction                                                                                       |                 |         |         |       |        |       |                    |                 |          |                          |
|      | Brick work                                                                                      | 1               |         | 0.785   | 2.280 | 2.280  | 1.375 | 5.611              |                 |          |                          |



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Azad Chowk to Siddharth Chowk 1.5m MH Excavation

| Date | Particulars of work                                                                             | DETAILS |         |         |       |        |       | Content of arrears | Last measurement |          | Total Upto Date Quantity |
|------|-------------------------------------------------------------------------------------------------|---------|---------|---------|-------|--------|-------|--------------------|------------------|----------|--------------------------|
|      |                                                                                                 | GL      | No IL   | EX.L    | L     | B      | D     |                    | Page             | Quantity |                          |
|      | PCC                                                                                             | 1       |         | 0.785   | 1.540 | 1.540  | 2.000 | 3.723              |                  |          |                          |
|      | Soling                                                                                          | 1       |         | 0.785   | 2.580 | 2.580  | 0.250 | 1.306              |                  |          |                          |
|      |                                                                                                 | 1       |         | 0.785   | 2.580 | 2.580  | 0.000 | 0.000              |                  |          |                          |
|      |                                                                                                 |         |         |         |       |        |       | 10.641             |                  |          |                          |
|      |                                                                                                 |         |         |         |       |        |       | 18.498             |                  | 79.274   | 97.773                   |
|      | AS 08                                                                                           |         |         |         |       |        |       |                    |                  |          |                          |
|      | CH232.80                                                                                        | 596.660 | 593.485 | 593.235 |       |        | 3.425 |                    |                  |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |         |       |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 1.100 | 8.842              |                  | 33.703   | 42.545                   |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 1.500 | 12.058             |                  | 2.441    | 14.498                   |
|      | (c) For Lift 3.0m to 4.5m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.425 | 3.416              |                  | 0.000    | 3.416                    |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |         |         |         |       |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.250 | 2.010              |                  | 30.714   | 32.724                   |
|      | Item No. 4 :- Excavation for foundation/pipe trenches in soft                                   |         |         |         |       |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.150 | 1.206              |                  | 8.806    | 10.011                   |
|      | Item No. : 11 Transportation of earth Transportation charges                                    |         |         |         |       |        |       | 9.825              |                  | 47.075   | 56.900                   |
|      | Item No. 30 :- Refilling the excavated trenches ...                                             |         |         |         |       |        |       |                    |                  |          |                          |
|      | Total Excavation=                                                                               |         |         |         |       |        |       | 27.532             |                  |          |                          |
|      | Deduction                                                                                       |         |         |         |       |        |       |                    |                  |          |                          |
|      | Brick work                                                                                      | 1       |         | 0.785   | 2.280 | 2.280  | 1.175 | 4.795              |                  |          |                          |
|      |                                                                                                 | 1       |         | 0.785   | 1.540 | 1.540  | 2.000 | 3.723              |                  |          |                          |
|      | PCC                                                                                             | 1       |         | 0.785   | 2.580 | 2.580  | 0.250 | 1.306              |                  |          |                          |
|      | Soling                                                                                          | 1       |         | 0.785   | 2.580 | 2.580  | 0.000 | 0.000              |                  |          |                          |
|      |                                                                                                 |         |         |         |       |        |       | 9.825              |                  |          |                          |
|      |                                                                                                 |         |         |         |       |        |       | 17.707             |                  | 97.773   | 115.480                  |
|      | AS 09                                                                                           |         |         |         |       |        |       |                    |                  |          |                          |
|      | CH271.60                                                                                        | 597.490 | 594.235 | 593.985 |       |        | 3.505 |                    |                  |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |         |       |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 1.100 | 8.842              |                  | 42.545   | 51.387                   |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.100 | 0.804              |                  | 14.498   | 15.302                   |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |         |         |         |       |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                  | 32.724   | 34.331                   |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 1.400 | 11.254             |                  | 47.942   | 59.196                   |
|      | (c) For Lift 3.0m to 4.5m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.505 | 4.059              |                  | 8.521    | 12.580                   |
|      | Item No. 4 :- Excavation for foundation/pipe trenches in soft                                   |         |         |         |       |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                  | 10.011   | 11.619                   |
|      | Item No. : 11 Transportation of earth Transportation charges                                    |         |         |         |       |        |       | 10.151             |                  | 56.900   | 67.051                   |
|      | Item No. 30 :- Refilling the excavated trenches ...                                             |         |         |         |       |        |       |                    |                  |          |                          |
|      | Total Excavation=                                                                               |         |         |         |       |        |       | 28.175             |                  |          |                          |
|      | Deduction                                                                                       |         |         |         |       |        |       |                    |                  |          |                          |
|      | Brick work                                                                                      | 1       |         | 0.785   | 2.280 | 2.280  | 1.255 | 5.121              |                  |          |                          |
|      |                                                                                                 | 1       |         | 0.785   | 1.540 | 1.540  | 2.000 | 3.723              |                  |          |                          |
|      | PCC                                                                                             | 1       |         | 0.785   | 2.580 | 2.580  | 0.250 | 1.306              |                  |          |                          |
|      | Soling                                                                                          | 1       |         | 0.785   | 2.580 | 2.580  | 0.000 | 0.000              |                  |          |                          |
|      |                                                                                                 |         |         |         |       |        |       | 10.151             |                  |          |                          |
|      |                                                                                                 |         |         |         |       |        |       | 18.024             |                  | 115.480  | 133.503                  |
|      | AS 10                                                                                           |         |         |         |       |        |       |                    |                  |          |                          |



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

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Azad Chowk to Siddharth Chowk 1.5m MH Excavation

| Date | Particulars of work                                                                             | DETAILS |         |         |                 |        |       | Content of arrears | Last measurement |          | Total Upto Date Quantity |
|------|-------------------------------------------------------------------------------------------------|---------|---------|---------|-----------------|--------|-------|--------------------|------------------|----------|--------------------------|
|      |                                                                                                 | No      |         |         | L               | B      | D     |                    | Page             | Quantity |                          |
|      |                                                                                                 | GL      | IL      | EX.L    |                 |        |       |                    |                  |          |                          |
|      | CH307.90                                                                                        | 598.830 | 595.295 | 595.045 |                 |        | 3.785 |                    |                  |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |         |                 |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785           | 10.240 | 0.500 | 4.019              |                  | 51.387   | 55.407                   |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |         |         |         |                 |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785           | 10.240 | 0.800 | 6.431              |                  | 34.331   | 40.762                   |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785           | 10.240 | 1.500 | 12.058             |                  | 59.196   | 71.253                   |
|      | (c) For Lift 3.0m to 4.5m                                                                       | 1       |         |         | 0.785           | 10.240 | 0.785 | 6.310              |                  | 12.580   | 18.890                   |
|      | Item No. 4 :- Excavation for foundation/pipe trenches in soft                                   |         |         |         |                 |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785           | 10.240 | 0.200 | 1.608              |                  | 11.619   | 13.227                   |
|      | Item No. : 11 Transportation of earth Transportation charges                                    |         |         |         |                 |        |       | 11.294             |                  | 67.051   | 78.345                   |
|      | Item No. 30 :- Refilling the excavated trenches ...                                             |         |         |         |                 |        |       |                    |                  |          |                          |
|      | Total Excavation=                                                                               |         |         |         |                 |        |       | 30.425             |                  |          |                          |
|      | Deduction                                                                                       |         |         |         |                 |        |       |                    |                  |          |                          |
|      | Brick work                                                                                      | 1       |         | 0.785   | 2.280           | 2.280  | 1.535 | 6.264              |                  |          |                          |
|      |                                                                                                 | 1       |         | 0.785   | 1.540           | 1.540  | 2.000 | 3.723              |                  |          |                          |
|      | PCC                                                                                             | 1       |         | 0.785   | 2.580           | 2.580  | 0.250 | 1.306              |                  |          |                          |
|      | Soling                                                                                          | 1       |         | 0.785   | 2.580           | 2.580  | 0.000 | 0.000              |                  |          |                          |
|      |                                                                                                 |         |         |         |                 |        |       | 11.294             |                  |          |                          |
|      |                                                                                                 |         |         |         | Net Qty = A - B |        |       | 19.132             |                  | 133.503  | 152.635                  |
|      | AS 11                                                                                           |         |         |         |                 |        |       |                    |                  |          |                          |
|      | CH336.70                                                                                        | 599.470 | 596.455 | 596.205 |                 |        | 3.265 |                    |                  |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |         |                 |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785           | 10.240 | 0.500 | 4.019              |                  | 55.407   | 59.426                   |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |         |         |         |                 |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785           | 10.240 | 0.800 | 6.431              |                  | 40.762   | 47.193                   |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785           | 10.240 | 1.500 | 12.058             |                  | 71.253   | 83.311                   |
|      | (c) For Lift 3.0m to 4.5m                                                                       | 1       |         |         | 0.785           | 10.240 | 0.265 | 2.130              |                  | 18.890   | 21.020                   |
|      | Item No. 4 :- Excavation for foundation/pipe trenches in soft                                   |         |         |         |                 |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785           | 10.240 | 0.200 | 1.608              |                  | 13.227   | 14.835                   |
|      | Item No. : 11 Transportation of earth Transportation charges                                    |         |         |         |                 |        |       | 9.172              |                  | 78.345   | 87.516                   |
|      | Item No. 30 :- Refilling the excavated trenches ...                                             |         |         |         |                 |        |       |                    |                  |          |                          |
|      | Total Excavation=                                                                               |         |         |         |                 |        |       | 26.245             |                  |          |                          |
|      | Deduction                                                                                       |         |         |         |                 |        |       |                    |                  |          |                          |
|      | Brick work                                                                                      | 1       |         | 0.785   | 2.280           | 2.280  | 1.015 | 4.142              |                  |          |                          |
|      |                                                                                                 | 1       |         | 0.785   | 1.540           | 1.540  | 2.000 | 3.723              |                  |          |                          |
|      | PCC                                                                                             | 1       |         | 0.785   | 2.580           | 2.580  | 0.250 | 1.306              |                  |          |                          |
|      | Soling                                                                                          | 1       |         | 0.785   | 2.580           | 2.580  | 0.000 | 0.000              |                  |          |                          |
|      |                                                                                                 |         |         |         |                 |        |       | 9.172              |                  |          |                          |
|      |                                                                                                 |         |         |         | Net Qty = A - B |        |       | 17.074             |                  | 152.635  | 169.709                  |
|      | AS 12                                                                                           |         |         |         |                 |        |       |                    |                  |          |                          |
|      | CH365.50                                                                                        | 600.360 | 597.565 | 597.315 |                 |        | 3.045 |                    |                  |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |         |                 |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785           | 10.240 | 0.300 | 2.412              |                  | 59.426   | 61.837                   |



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Azad Chowk to Siddharth Chowk 1.5m MH Excavation

| Date  | Particulars of work                                                                             | DETAILS |         |         |       |        |       | Content of arrears | Last measurement |          | Total Upto Date Quantity |
|-------|-------------------------------------------------------------------------------------------------|---------|---------|---------|-------|--------|-------|--------------------|------------------|----------|--------------------------|
|       |                                                                                                 | GL      | No IL   | EX.L    | L     | B      | D     |                    | Page             | Quantity |                          |
|       | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |         |         |         |       |        |       |                    |                  |          |                          |
|       | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 1.000 | 8.038              |                  | 47.193   | 55.231                   |
|       | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 1.500 | 12.058             |                  | 83.311   | 95.368                   |
|       | (c) For Lift 3.0m to 4.5m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.045 | 0.362              |                  | 21.020   | 21.382                   |
|       | Item No. 4 :- Excavation for foundation/pipe trenches in soft                                   |         |         |         |       |        |       |                    |                  |          |                          |
|       | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                  | 14.835   | 16.442                   |
|       | Item No. : 11 Transportation of earth Transportation charges                                    |         |         |         |       |        |       | 8.274              |                  | 87.516   | 95.790                   |
|       | Item No. 30 :- Refilling the excavated trenches ...                                             |         |         |         |       |        |       |                    |                  |          |                          |
|       | Total Excavation=                                                                               |         |         |         |       |        |       | 24.477             |                  |          |                          |
|       | Deduction                                                                                       |         |         |         |       |        |       |                    |                  |          |                          |
|       | Brick work                                                                                      | 1       |         | 0.785   | 2.280 | 2.280  | 0.795 | 3.244              |                  |          |                          |
|       |                                                                                                 | 1       |         | 0.785   | 1.540 | 1.540  | 2.000 | 3.723              |                  |          |                          |
|       | PC                                                                                              | 1       |         | 0.785   | 2.580 | 2.580  | 0.250 | 1.306              |                  |          |                          |
|       | Soling                                                                                          | 1       |         | 0.785   | 2.580 | 2.580  | 0.000 | 0.000              |                  |          |                          |
|       |                                                                                                 |         |         |         |       |        |       | 8.274              |                  |          |                          |
|       | Net Qty = A - B                                                                                 |         |         |         |       |        |       | 16.203             |                  | 169.709  | 185.912                  |
| AS 13 | CH404.80                                                                                        | 601.530 | 598.715 | 598.465 |       |        | 3.065 |                    |                  |          |                          |
|       | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |         |       |        |       |                    |                  |          |                          |
|       | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 1.000 | 8.038              |                  | 61.837   | 69.876                   |
|       | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |         |         |         |       |        |       |                    |                  |          |                          |
|       | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.300 | 2.412              |                  | 55.231   | 57.643                   |
|       | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 1.500 | 12.058             |                  | 95.368   | 107.426                  |
|       | (c) For Lift 3.0m to 4.5m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.065 | 0.522              |                  | 21.382   | 21.905                   |
|       | Item No. 4 :- Excavation for foundation/pipe trenches in soft                                   |         |         |         |       |        |       |                    |                  |          |                          |
|       | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                  | 16.442   | 18.050                   |
|       | Item No. : 11 Transportation of earth Transportation charges                                    |         |         |         |       |        |       | 8.356              |                  | 95.790   | 104.146                  |
|       | Item No. 30 :- Refilling the excavated trenches ...                                             |         |         |         |       |        |       |                    |                  |          |                          |
|       | Total Excavation=                                                                               |         |         |         |       |        |       | 24.638             |                  |          |                          |
|       | Deduction                                                                                       |         |         |         |       |        |       |                    |                  |          |                          |
|       | Brick work                                                                                      | 1       |         | 0.785   | 2.280 | 2.280  | 0.815 | 3.326              |                  |          |                          |
|       |                                                                                                 | 1       |         | 0.785   | 1.540 | 1.540  | 2.000 | 3.723              |                  |          |                          |
|       | PC                                                                                              | 1       |         | 0.785   | 2.580 | 2.580  | 0.250 | 1.306              |                  |          |                          |
|       | Soling                                                                                          | 1       |         | 0.785   | 2.580 | 2.580  | 0.000 | 0.000              |                  |          |                          |
|       |                                                                                                 |         |         |         |       |        |       | 8.356              |                  |          |                          |
|       | Net Qty = A - B                                                                                 |         |         |         |       |        |       | 16.282             |                  | 185.912  | 202.194                  |
| AS 14 | CH433.60                                                                                        | 603.000 | 599.755 | 599.505 |       |        | 3.495 |                    |                  |          |                          |
|       | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |         |       |        |       |                    |                  |          |                          |
|       | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.500 | 4.019              |                  | 69.876   | 73.895                   |
|       | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |         |         |         |       |        |       |                    |                  |          |                          |
|       | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.800 | 6.431              |                  | 57.643   | 64.073                   |
|       | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 1.500 | 12.058             |                  | 107.426  | 119.484                  |
|       | (c) For Lift 3.0m to 4.5m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.495 | 3.979              |                  | 21.905   | 25.884                   |



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Name of work :- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP-DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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Azad Chowk to Siddharth Chowk 1.5m MH Excavation

| Date | Particulars of work                                                                             | DETAILS |         |         |       |        |       | Content of arrears | Last measurement |          | Total Upto Date Quantity |
|------|-------------------------------------------------------------------------------------------------|---------|---------|---------|-------|--------|-------|--------------------|------------------|----------|--------------------------|
|      |                                                                                                 | GL      | No IL   | EX.L    | L     | B      | D     |                    | Page             | Quantity |                          |
|      | Item No. 4 :- Excavation for foundation/pipe trenches in soft                                   |         |         |         |       |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                  | 18.050   | 19.658                   |
|      | Item No. : 11 Transportation of earth Transportation charges                                    |         |         |         |       |        |       | 10.110             |                  | 104.146  | 114.256                  |
|      | Item No. 30 :- Refilling the excavated trenches ...                                             |         |         |         |       |        |       |                    |                  |          |                          |
|      | Total Excavation=                                                                               |         |         |         |       |        |       | 28.094             |                  |          |                          |
|      | Deduction                                                                                       |         |         |         |       |        |       |                    |                  |          |                          |
|      | Brick work                                                                                      | 1       |         | 0.785   | 2.280 | 2.280  | 1.245 | 5.081              |                  |          |                          |
|      | PCC                                                                                             | 1       |         | 0.785   | 1.540 | 1.540  | 2.000 | 3.723              |                  |          |                          |
|      | Soling                                                                                          | 1       |         | 0.785   | 2.580 | 2.580  | 0.250 | 1.306              |                  |          |                          |
|      |                                                                                                 |         |         | 0.785   | 2.580 | 2.580  | 0.000 | 0.000              |                  |          |                          |
|      |                                                                                                 |         |         |         |       |        |       | 10.110             |                  |          |                          |
|      | AS 15                                                                                           |         |         |         |       |        |       | 17.984             |                  | 202.194  | 220.178                  |
|      | CH469.90                                                                                        | 603.550 | 600.515 | 600.265 |       |        | 3.285 |                    |                  |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |         |       |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.300 | 2.412              |                  | 73.895   | 76.307                   |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |         |         |         |       |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 1.000 | 8.038              |                  | 64.073   | 72.112                   |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.800 | 6.431              |                  | 119.484  | 125.914                  |
|      | Item No. 4 :- Excavation for foundation/pipe trenches in soft                                   |         |         |         |       |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                  | 19.658   | 21.265                   |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.700 | 5.627              |                  | 5.688    | 11.315                   |
|      | (c) For Lift 3.0m to 4.5m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.285 | 2.291              |                  | 0.000    | 2.291                    |
|      | Item No. : 11 Transportation of earth Transportation charges                                    |         |         |         |       |        |       | 9.253              |                  | 114.256  | 123.509                  |
|      | Item No. 30 :- Refilling the excavated trenches ...                                             |         |         |         |       |        |       |                    |                  |          |                          |
|      | Total Excavation=                                                                               |         |         |         |       |        |       | 26.406             |                  |          |                          |
|      | Deduction                                                                                       |         |         |         |       |        |       |                    |                  |          |                          |
|      | Brick work                                                                                      | 1       |         | 0.785   | 2.280 | 2.280  | 1.035 | 4.224              |                  |          |                          |
|      | PCC                                                                                             | 1       |         | 0.785   | 1.540 | 1.540  | 2.000 | 3.723              |                  |          |                          |
|      | Soling                                                                                          | 1       |         | 0.785   | 2.580 | 2.580  | 0.250 | 1.306              |                  |          |                          |
|      |                                                                                                 |         |         | 0.785   | 2.580 | 2.580  | 0.000 | 0.000              |                  |          |                          |
|      |                                                                                                 |         |         |         |       |        |       | 9.253              |                  |          |                          |
|      | AS 16                                                                                           |         |         |         |       |        |       | 17.153             |                  | 220.178  | 237.331                  |
|      | CH498.70                                                                                        | 604.255 | 601.305 | 601.055 |       |        | 3.200 |                    |                  |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |         |       |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.300 | 2.412              |                  | 76.307   | 78.718                   |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |         |         |         |       |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 1.000 | 8.038              |                  | 72.112   | 80.150                   |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 1.000 | 8.038              |                  | 125.914  | 133.953                  |
|      | Item No. 4 :- Excavation for foundation/pipe trenches in soft                                   |         |         |         |       |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                  | 21.265   | 22.873                   |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.500 | 4.019              |                  | 11.315   | 15.334                   |
|      | (c) For Lift 3.0m to 4.5m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                  | 2.291    | 3.899                    |



*Sup*



...ing, Erecting, Testing and Commissioning of Sewage Treatment  
... at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth  
... (Airport), Construction, Erection, Testing and Commission  
... Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward  
... Providing, lowering, laying jointing and testing rising main  
... SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

## Azad Chowk to Siddharth Chowk 1.5m MH Excavation

| Sl. No.           | Particulars of work                                                               | DETAILS |         |         |       |        |       | Content of arrears | Last measurement |          | Total Upto Date Quantity |
|-------------------|-----------------------------------------------------------------------------------|---------|---------|---------|-------|--------|-------|--------------------|------------------|----------|--------------------------|
|                   |                                                                                   | GL      | No IL   | EX.L    | L     | B      | D     |                    | Page             | Quantity |                          |
| Item No. 11       | Transportation of earth Transportation charges                                    |         |         |         |       |        |       | 8.906              |                  | 123.509  | 132.416                  |
| Item No. 30       | Refilling the excavated trenches ...                                              |         |         |         |       |        |       |                    |                  |          |                          |
| Total Excavation= |                                                                                   |         |         |         |       |        |       | 25.723             |                  |          |                          |
| Deduction         |                                                                                   |         |         |         |       |        |       |                    |                  |          |                          |
|                   | Brick work                                                                        | 1       |         | 0.785   | 2.280 | 2.280  | 0.950 | 3.877              |                  |          |                          |
|                   |                                                                                   | 1       |         | 0.785   | 1.540 | 1.540  | 2.000 | 3.723              |                  |          |                          |
|                   | PCC                                                                               | 1       |         | 0.785   | 2.580 | 2.580  | 0.250 | 1.306              |                  |          |                          |
|                   | Soling                                                                            | 1       |         | 0.785   | 2.580 | 2.580  | 0.000 | 0.000              |                  |          |                          |
|                   |                                                                                   |         |         |         |       |        |       | 8.906              |                  |          |                          |
| Net Qty = A - B   |                                                                                   |         |         |         |       |        |       | 16.816             |                  | 237.331  | 254.147                  |
| AS 17             |                                                                                   |         |         |         |       |        |       |                    |                  |          |                          |
| CRS27.50          |                                                                                   | 604.640 | 601.825 | 601.575 |       |        | 3.065 |                    |                  |          |                          |
| Item No. 1        | Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |         |       |        |       |                    |                  |          |                          |
| (a)               | For Lift 0 to 1.5m                                                                | 1       |         |         | 0.785 | 10.240 | 0.300 | 2.412              |                  | 78.718   | 81.130                   |
| Item No. 2        | Excavation for foundation/pipe trenches in Hard murrum etc complete.              |         |         |         |       |        |       |                    |                  |          |                          |
| (a)               | For Lift 0 to 1.5m                                                                | 1       |         |         | 0.785 | 10.240 | 1.000 | 8.038              |                  | 80.150   | 88.189                   |
| (b)               | For Lift 1.5m to 3.0m                                                             | 1       |         |         | 0.785 | 10.240 | 1.500 | 12.058             |                  | 133.953  | 146.010                  |
| (c)               | For Lift 3.0m to 4.5m                                                             | 1       |         |         | 0.785 | 10.240 | 0.065 | 0.522              |                  | 25.884   | 26.406                   |
| Item No. 4        | Excavation for foundation/pipe trenches in soft                                   |         |         |         |       |        |       |                    |                  |          |                          |
| (a)               | For Lift 0 to 1.5m                                                                | 1       |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                  | 22.873   | 24.481                   |
| Item No. 11       | Transportation of earth Transportation charges                                    |         |         |         |       |        |       | 8.356              |                  | 132.416  | 140.771                  |
| Item No. 30       | Refilling the excavated trenches ...                                              |         |         |         |       |        |       |                    |                  |          |                          |
| Total Excavation= |                                                                                   |         |         |         |       |        |       | 24.638             |                  |          |                          |
| Deduction         |                                                                                   |         |         |         |       |        |       |                    |                  |          |                          |
|                   | Brick work                                                                        | 1       |         | 0.785   | 2.280 | 2.280  | 0.815 | 3.326              |                  |          |                          |
|                   |                                                                                   | 1       |         | 0.785   | 1.540 | 1.540  | 2.000 | 3.723              |                  |          |                          |
|                   | PCC                                                                               | 1       |         | 0.785   | 2.580 | 2.580  | 0.250 | 1.306              |                  |          |                          |
|                   | Soling                                                                            | 1       |         | 0.785   | 2.580 | 2.580  | 0.000 | 0.000              |                  |          |                          |
|                   |                                                                                   |         |         |         |       |        |       | 8.356              |                  |          |                          |
| Net Qty = A - B   |                                                                                   |         |         |         |       |        |       | 16.282             |                  | 254.147  | 270.429                  |
| AS 18             |                                                                                   |         |         |         |       |        |       |                    |                  |          |                          |
| CRS46.30          |                                                                                   | 604.640 | 601.831 | 601.581 |       |        | 3.059 |                    |                  |          |                          |
| Item No. 1        | Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |         |       |        |       |                    |                  |          |                          |
| (a)               | For Lift 0 to 1.5m                                                                | 1       |         |         | 0.785 | 10.240 | 0.700 | 5.627              |                  | 81.130   | 86.756                   |
| Item No. 2        | Excavation for foundation/pipe trenches in Hard murrum etc complete.              |         |         |         |       |        |       |                    |                  |          |                          |
| (a)               | For Lift 0 to 1.5m                                                                | 1       |         |         | 0.785 | 10.240 | 0.600 | 4.823              |                  | 88.189   | 93.012                   |
| (b)               | For Lift 1.5m to 3.0m                                                             | 1       |         |         | 0.785 | 10.240 | 1.500 | 12.058             |                  | 146.010  | 158.068                  |
| (c)               | For Lift 3.0m to 4.5m                                                             | 1       |         |         | 0.785 | 10.240 | 0.059 | 0.474              |                  | 26.406   | 26.880                   |
| Item No. 4        | Excavation for foundation/pipe trenches in soft                                   |         |         |         |       |        |       |                    |                  |          |                          |
| (a)               | For Lift 0 to 1.5m                                                                | 1       |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                  | 24.481   | 26.088                   |
| Item No. 11       | Transportation of earth Transportation charges                                    |         |         |         |       |        |       | 8.331              |                  | 140.771  | 149.102                  |
| Item No. 30       | Refilling the excavated trenches ...                                              |         |         |         |       |        |       |                    |                  |          |                          |
| Total Excavation= |                                                                                   |         |         |         |       |        |       | 24.589             |                  |          |                          |
| Deduction         |                                                                                   |         |         |         |       |        |       |                    |                  |          |                          |



*for*

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Azad Chowk to Siddharth Chowk 1.5m MH Excavation

| Date | Particulars of work                                                                             | DETAILS |         |                 |       |        |       | Content of arrears | Last measurment |          | Total Upto Date Quantity |
|------|-------------------------------------------------------------------------------------------------|---------|---------|-----------------|-------|--------|-------|--------------------|-----------------|----------|--------------------------|
|      |                                                                                                 | No      |         |                 | L     | B      | D     |                    | Page            | Quantity |                          |
|      |                                                                                                 | GL      | IL      | EX.L            |       |        |       |                    |                 |          |                          |
|      | Brick work                                                                                      | 1       |         | 0.785           | 2.280 | 2.280  | 0.809 | 3.301              |                 |          |                          |
|      |                                                                                                 | 1       |         | 0.785           | 1.540 | 1.540  | 2.000 | 3.723              |                 |          |                          |
|      | PCC                                                                                             | 1       |         | 0.785           | 2.580 | 2.580  | 0.250 | 1.306              |                 |          |                          |
|      | Soling                                                                                          | 1       |         | 0.785           | 2.580 | 2.580  | 0.000 | 0.000              |                 |          |                          |
|      |                                                                                                 |         |         |                 |       |        |       | 8.331              |                 |          |                          |
|      |                                                                                                 |         |         |                 |       |        |       | 16.258             |                 | 270.429  | 286.688                  |
|      | AS 19                                                                                           |         |         | Net Qty = A - B |       |        |       |                    |                 |          |                          |
|      | CH565.10                                                                                        | 604.890 | 602.085 | 601.835         |       |        | 3.055 |                    |                 |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |                 |       |        |       |                    |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |                 | 0.785 | 10.240 | 0.700 | 5.627              |                 | 86.756   | 92.383                   |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |         |         |                 |       |        |       |                    |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |                 | 0.785 | 10.240 | 0.600 | 4.823              |                 | 93.012   | 97.835                   |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |                 | 0.785 | 10.240 | 1.500 | 12.058             |                 | 158.068  | 170.126                  |
|      | (c) For Lift 3.0m to 4.5m                                                                       | 1       |         |                 | 0.785 | 10.240 | 0.055 | 0.442              |                 | 26.880   | 27.323                   |
|      | Item No. 4 :- Excavation for foundation/pipe trenches in soft                                   |         |         |                 |       |        |       |                    |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |                 | 0.785 | 10.240 | 0.200 | 1.608              |                 | 26.088   | 27.696                   |
|      | Item No. : 11 Transportation of earth Transportation charges                                    |         |         |                 |       |        |       | 8.315              |                 | 149.102  | 157.417                  |
|      | Item No. 30 :- Refilling the excavated trenches ...                                             |         |         |                 |       |        |       |                    |                 |          |                          |
|      | Total Excavation=                                                                               |         |         |                 |       |        |       | 24.557             |                 |          |                          |
|      | Deduction                                                                                       |         |         |                 |       |        |       |                    |                 |          |                          |
|      | Brick work                                                                                      | 1       |         | 0.785           | 2.280 | 2.280  | 0.805 | 3.285              |                 |          |                          |
|      |                                                                                                 | 1       |         | 0.785           | 1.540 | 1.540  | 2.000 | 3.723              |                 |          |                          |
|      | PCC                                                                                             | 1       |         | 0.785           | 2.580 | 2.580  | 0.250 | 1.306              |                 |          |                          |
|      | Soling                                                                                          | 1       |         | 0.785           | 2.580 | 2.580  | 0.000 | 0.000              |                 |          |                          |
|      |                                                                                                 |         |         |                 |       |        |       | 8.315              |                 |          |                          |
|      |                                                                                                 |         |         |                 |       |        |       | 16.243             |                 | 286.688  | 302.930                  |
|      | AS 20                                                                                           |         |         | Net Qty = A - B |       |        |       |                    |                 |          |                          |
|      | CH593.90                                                                                        | 605.340 | 602.470 | 602.220         |       |        | 3.120 |                    |                 |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |                 |       |        |       |                    |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |                 | 0.785 | 10.240 | 0.400 | 3.215              |                 | 92.383   | 95.599                   |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |         |         |                 |       |        |       |                    |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |                 | 0.785 | 10.240 | 0.900 | 7.235              |                 | 97.835   | 105.069                  |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |                 | 0.785 | 10.240 | 1.000 | 8.038              |                 | 170.126  | 178.164                  |
|      | Item No. 4 :- Excavation for foundation/pipe trenches in soft                                   |         |         |                 |       |        |       |                    |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |                 | 0.785 | 10.240 | 0.200 | 1.608              |                 | 27.696   | 29.304                   |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |                 | 0.785 | 10.240 | 0.500 | 4.019              |                 | 15.334   | 19.354                   |
|      | (c) For Lift 3.0m to 4.5m                                                                       | 1       |         |                 | 0.785 | 10.240 | 0.120 | 0.965              |                 | 3.899    | 4.863                    |
|      | Item No. : 11 Transportation of earth Transportation charges                                    |         |         |                 |       |        |       | 8.580              |                 | 157.417  | 165.997                  |
|      | Item No. 30 :- Refilling the excavated trenches ...                                             |         |         |                 |       |        |       |                    |                 |          |                          |
|      | Total Excavation=                                                                               |         |         |                 |       |        |       | 25.080             |                 |          |                          |
|      | Deduction                                                                                       |         |         |                 |       |        |       |                    |                 |          |                          |
|      | Brick work                                                                                      | 1       |         | 0.785           | 2.280 | 2.280  | 0.870 | 3.550              |                 |          |                          |
|      |                                                                                                 | 1       |         | 0.785           | 1.540 | 1.540  | 2.000 | 3.723              |                 |          |                          |
|      | PCC                                                                                             | 1       |         | 0.785           | 2.580 | 2.580  | 0.250 | 1.306              |                 |          |                          |
|      | Soling                                                                                          | 1       |         | 0.785           | 2.580 | 2.580  | 0.000 | 0.000              |                 |          |                          |
|      |                                                                                                 |         |         |                 |       |        |       | 8.580              |                 |          |                          |
|      |                                                                                                 |         |         |                 |       |        |       | 16.500             |                 | 302.930  | 319.430                  |
|      |                                                                                                 |         |         | Net Qty = A - B |       |        |       |                    |                 |          |                          |



*for*

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Azad Chowk to Siddharth Chowk 1.5m MH Excavation

| Date     | Particulars of work                                                                             | DETAILS |         |         |       |        |       | Content of arrears | Last measurment |          | Total Upto Date Quantity |
|----------|-------------------------------------------------------------------------------------------------|---------|---------|---------|-------|--------|-------|--------------------|-----------------|----------|--------------------------|
|          |                                                                                                 | GL      | No IL   | EX.L    | L     | B      | D     |                    | Page            | Quantity |                          |
| AS 21    |                                                                                                 |         |         |         |       |        |       |                    |                 |          |                          |
| CH625.20 |                                                                                                 | 606.210 | 602.720 | 602.470 |       |        | 3.740 |                    |                 |          |                          |
|          | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |         |       |        |       |                    |                 |          |                          |
|          | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.500 | 4.019              |                 | 95.599   | 99.618                   |
|          | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |         |         |         |       |        |       |                    |                 |          |                          |
|          | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.800 | 6.431              |                 | 105.069  | 111.500                  |
|          | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 1.500 | 12.058             |                 | 178.164  | 190.222                  |
|          | (c) For Lift 3.0m to 4.5m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.100 | 0.804              |                 | 27.323   | 28.126                   |
|          | Item No. 4 :- Excavation for foundation/pipe trenches in soft                                   |         |         |         |       |        |       |                    |                 |          |                          |
|          | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                 | 29.304   | 30.911                   |
|          | (c) For Lift 3.0m to 4.5m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.640 | 5.145              |                 | 4.863    | 10.008                   |
|          | Item No. : 11 Transportation of earth Transportation charges                                    |         |         |         |       |        |       | 11.110             |                 | 165.997  | 177.107                  |
|          | Item No. 30 :- Refilling the excavated trenches ...                                             |         |         |         |       |        |       |                    |                 |          |                          |
|          | Total Excavation=                                                                               |         |         |         |       |        |       | 30.064             |                 |          |                          |
|          | Deduction                                                                                       |         |         |         |       |        |       |                    |                 |          |                          |
|          | Brick work                                                                                      | 1       |         | 0.785   | 2.280 | 2.280  | 1.490 | 6.080              |                 |          |                          |
|          |                                                                                                 | 1       |         | 0.785   | 1.540 | 1.540  | 2.000 | 3.723              |                 |          |                          |
|          | PCC                                                                                             | 1       |         | 0.785   | 2.580 | 2.580  | 0.250 | 1.306              |                 |          |                          |
|          | Soling                                                                                          | 1       |         | 0.785   | 2.580 | 2.580  | 0.000 | 0.000              |                 |          |                          |
|          |                                                                                                 |         |         |         |       |        |       | 11.110             |                 |          |                          |
|          | Net Qty = A - B                                                                                 |         |         |         |       |        |       | 18.954             |                 | 319.430  | 338.384                  |
| AS 22    |                                                                                                 |         |         |         |       |        |       |                    |                 |          |                          |
| CH667.50 |                                                                                                 | 605.550 | 602.900 | 602.650 |       |        | 2.900 |                    |                 |          |                          |
|          | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |         |       |        |       |                    |                 |          |                          |
|          | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.600 | 4.823              |                 | 99.618   | 104.441                  |
|          | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |         |         |         |       |        |       |                    |                 |          |                          |
|          | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.700 | 5.627              |                 | 111.500  | 117.127                  |
|          | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 1.400 | 11.254             |                 | 190.222  | 201.475                  |
|          | Item No. 4 :- Excavation for foundation/pipe trenches in soft                                   |         |         |         |       |        |       |                    |                 |          |                          |
|          | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                 | 30.911   | 32.519                   |
|          | Item No. : 11 Transportation of earth Transportation charges                                    |         |         |         |       |        |       | 7.682              |                 | 177.107  | 184.789                  |
|          | Item No. 30 :- Refilling the excavated trenches ...                                             |         |         |         |       |        |       |                    |                 |          |                          |
|          | Total Excavation=                                                                               |         |         |         |       |        |       | 23.311             |                 |          |                          |
|          | Deduction                                                                                       |         |         |         |       |        |       |                    |                 |          |                          |
|          | Brick work                                                                                      | 1       |         | 0.785   | 2.280 | 2.280  | 0.650 | 2.652              |                 |          |                          |
|          |                                                                                                 | 1       |         | 0.785   | 1.540 | 1.540  | 2.000 | 3.723              |                 |          |                          |
|          | PCC                                                                                             | 1       |         | 0.785   | 2.580 | 2.580  | 0.250 | 1.306              |                 |          |                          |
|          | Soling                                                                                          | 1       |         | 0.785   | 2.580 | 2.580  | 0.000 | 0.000              |                 |          |                          |
|          |                                                                                                 |         |         |         |       |        |       | 7.682              |                 |          |                          |
|          | Net Qty = A - B                                                                                 |         |         |         |       |        |       | 15.629             |                 | 338.384  | 354.013                  |
| AS 23    |                                                                                                 |         |         |         |       |        |       |                    |                 |          |                          |
| CH703.80 |                                                                                                 | 605.360 | 603.090 | 602.840 |       |        | 2.520 |                    |                 |          |                          |
|          | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |         |       |        |       |                    |                 |          |                          |
|          | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 1.100 | 8.842              |                 | 104.441  | 113.283                  |



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Azad Chowk to Siddharth Chowk 1.5m MH Excavation

| Date | Particulars of work                                                                             | DETAILS |         |         |       |        |       | Content of arrears | Last measurment |          | Total Upto Date Quantity |
|------|-------------------------------------------------------------------------------------------------|---------|---------|---------|-------|--------|-------|--------------------|-----------------|----------|--------------------------|
|      |                                                                                                 | GL      | IL      | EX.L    | L     | B      | D     |                    | Page            | Quantity |                          |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 1.000 | 8.038              |                 | 15.302   | 23.341                   |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |         |         |         |       |        |       |                    |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         |       |        |       |                    |                 |          |                          |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                 | 117.127  | 118.735                  |
|      | Item No. 4 :- Excavation for foundation/pipe trenches in soft                                   |         |         |         | 0.785 | 10.240 | 0.020 | 0.161              |                 | 201.475  | 201.636                  |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         |       |        |       |                    |                 |          |                          |
|      | Item No. : 11 Transportation of earth Transportation charges                                    |         |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                 | 32.519   | 34.127                   |
|      | Item No. 30 :- Refilling the excavated trenches ...                                             |         |         |         |       |        |       | 6.132              |                 | 184.789  | 190.921                  |
|      | Total Excavation=                                                                               |         |         |         |       |        |       |                    |                 |          |                          |
|      | Deduction                                                                                       |         |         |         |       |        |       |                    |                 |          |                          |
|      | Brick work                                                                                      | 1       |         |         |       |        |       | 20.257             |                 |          |                          |
|      | PCC                                                                                             | 1       |         | 0.785   | 2.280 | 2.280  | 0.270 | 1.102              |                 |          |                          |
|      | Soling                                                                                          | 1       |         | 0.785   | 1.540 | 1.540  | 2.000 | 3.723              |                 |          |                          |
|      |                                                                                                 | 1       |         | 0.785   | 2.580 | 2.580  | 0.250 | 1.306              |                 |          |                          |
|      |                                                                                                 |         |         | 0.785   | 2.580 | 2.580  | 0.000 | 0.000              |                 |          |                          |
|      | AS 24                                                                                           |         |         |         |       |        |       | 6.132              |                 |          |                          |
|      | CH740.10                                                                                        | 605.610 | 603.280 | 603.030 |       |        |       | 14.125             |                 | 354.013  | 368.138                  |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |         |       | 2.580  |       |                    |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         |       |        |       |                    |                 |          |                          |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 1.100 | 8.842              |                 | 113.283  | 122.125                  |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |         |         |         | 0.785 | 10.240 | 1.080 | 8.681              |                 | 23.341   | 32.022                   |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         |       |        |       |                    |                 |          |                          |
|      | Item No. 4 :- Excavation for foundation/pipe trenches in soft                                   |         |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                 | 118.735  | 120.342                  |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         |       |        |       |                    |                 |          |                          |
|      | Item No. : 11 Transportation of earth Transportation charges                                    |         |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                 | 34.127   | 35.734                   |
|      | Item No. 30 :- Refilling the excavated trenches ...                                             |         |         |         |       |        |       | 6.376              |                 | 190.921  | 197.297                  |
|      | Total Excavation=                                                                               |         |         |         |       |        |       |                    |                 |          |                          |
|      | Deduction                                                                                       |         |         |         |       |        |       |                    |                 |          |                          |
|      | Brick work                                                                                      | 1       |         |         |       |        |       | 20.739             |                 |          |                          |
|      | PCC                                                                                             | 1       |         | 0.785   | 2.280 | 2.280  | 0.330 | 1.347              |                 |          |                          |
|      | Soling                                                                                          | 1       |         | 0.785   | 1.540 | 1.540  | 2.000 | 3.723              |                 |          |                          |
|      |                                                                                                 | 1       |         | 0.785   | 2.580 | 2.580  | 0.250 | 1.306              |                 |          |                          |
|      |                                                                                                 |         |         | 0.785   | 2.580 | 2.580  | 0.000 | 0.000              |                 |          |                          |
|      | AS 25                                                                                           |         |         |         |       |        |       | 6.376              |                 |          |                          |
|      | CH773.90                                                                                        | 606.150 | 603.540 | 603.290 |       |        |       | 14.363             |                 | 368.138  | 382.501                  |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |         |       | 2.960  |       |                    |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         |       |        |       |                    |                 |          |                          |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 1.100 | 8.842              |                 | 122.125  | 130.968                  |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |         |         |         | 0.785 | 10.240 | 0.600 | 4.823              |                 | 32.022   | 36.845                   |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         |       |        |       |                    |                 |          |                          |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                 | 120.342  | 121.950                  |
|      |                                                                                                 |         |         |         | 0.785 | 10.240 | 0.760 | 6.109              |                 | 201.636  | 207.745                  |



Signature

## Azad Chowk to Siddharth Chowk 1.5m MH Excavation

| Sl. No. | Particulars of work                                                 | DETAILS |         |         |       |        |       | Content of arrears | Last measurement |          | Total Upto Date Quantity |
|---------|---------------------------------------------------------------------|---------|---------|---------|-------|--------|-------|--------------------|------------------|----------|--------------------------|
|         |                                                                     | GL      | No IL   | EX.L    | L     | B      | D     |                    | Page             | Quantity |                          |
|         | Item No. 4 :- Excavation for foundation/pipe trenches in soft       |         |         |         |       |        |       |                    |                  |          |                          |
|         | (a) For Lift 0 to 1.5m                                              | 1       |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                  | 35.734   | 37.342                   |
|         | Item No. 11 Transportation of earth Transportation charges          |         |         |         |       |        |       | 7.519              |                  | 197.297  | 204.816                  |
|         | Item No. 30 :- Refilling the excavated trenches                     |         |         |         |       |        |       |                    |                  |          |                          |
|         | Total Excavation=                                                   |         |         |         |       |        |       | 22.990             |                  |          |                          |
|         | Deduction                                                           |         |         |         |       |        |       |                    |                  |          |                          |
|         | Brick work                                                          | 1       |         | 0.785   | 2.280 | 2.280  | 0.610 | 2.489              |                  |          |                          |
|         |                                                                     | 1       |         | 0.785   | 1.540 | 1.540  | 2.000 | 3.723              |                  |          |                          |
|         | PCC                                                                 | 1       |         | 0.785   | 2.580 | 2.580  | 0.250 | 1.306              |                  |          |                          |
|         | Soling                                                              | 1       |         | 0.785   | 2.580 | 2.580  | 0.000 | 0.000              |                  |          |                          |
|         |                                                                     |         |         |         |       |        |       | 7.519              |                  |          |                          |
|         | Net Qty = A - B                                                     |         |         |         |       |        |       | 15.471             |                  | 382.501  | 397.971                  |
|         | AS 26                                                               |         |         |         |       |        |       |                    |                  |          |                          |
|         | CHB13.20                                                            | 606.630 | 604.100 | 603.850 |       |        | 2.780 |                    |                  |          |                          |
|         | Item No. 1 :- Excavation for foundation/pipe trenches in earth      |         |         |         |       |        |       |                    |                  |          |                          |
|         | soils, Soft murrum etc complete.                                    |         |         |         |       |        |       |                    |                  |          |                          |
|         | (a) For Lift 0 to 1.5m                                              | 1       |         |         | 0.785 | 10.240 | 1.100 | 8.842              |                  | 130.968  | 139.810                  |
|         | (b) For Lift 1.5m to 3.0m                                           | 1       |         |         | 0.785 | 10.240 | 0.300 | 2.412              |                  | 36.845   | 39.257                   |
|         | (c) For Lift 3.0m to 4.5m                                           | 1       |         |         | 0.785 | 10.240 | 0.000 | 0.000              |                  | 3.416    | 3.416                    |
|         | Item No. 2 :- Excavation for foundation/pipe trenches in Hard       |         |         |         |       |        |       |                    |                  |          |                          |
|         | murrum etc complete.                                                |         |         |         |       |        |       |                    |                  |          |                          |
|         | (a) For Lift 0 to 1.5m                                              | 1       |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                  | 121.950  | 123.558                  |
|         | (b) For Lift 1.5m to 3.0m                                           | 1       |         |         | 0.785 | 10.240 | 0.000 | 0.000              |                  | 207.745  | 207.745                  |
|         | (c) For Lift 3.0m to 4.5m                                           | 1       |         |         | 0.785 | 10.240 | 0.000 | 0.000              |                  | 28.126   | 28.126                   |
|         | Item No. 4 :- Excavation for foundation/pipe trenches in soft       |         |         |         |       |        |       |                    |                  |          |                          |
|         | (a) For Lift 0 to 1.5m                                              | 1       |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                  | 37.342   | 38.950                   |
|         | (b) For Lift 1.5m to 3.0m                                           | 1       |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                  | 19.354   | 20.961                   |
|         | (c) For Lift 3.0m to 4.5m                                           | 1       |         |         | 0.785 | 10.240 | 0.000 | 0.000              |                  | 10.008   | 10.008                   |
|         | ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite |         |         |         |       |        |       |                    |                  |          |                          |
|         | rock masses etc complete                                            |         |         |         |       |        |       |                    |                  |          |                          |
|         | (b) For Lift 1.5m to 3.0m                                           | 1       |         |         | 0.785 | 10.240 | 0.780 | 6.270              |                  | 6.431    | 12.701                   |
|         | (c) For Lift 3.0m to 4.5m                                           | 1       |         |         | 0.785 | 10.240 | 0.000 | 0.000              |                  | 0.603    | 0.603                    |
|         | Item No. 11 Transportation of earth Transportation charges          |         |         |         |       |        |       | 7.193              |                  | 204.816  | 212.009                  |
|         | Item No. 30 :- Refilling the excavated trenches                     |         |         |         |       |        |       |                    |                  |          |                          |
|         | Total Excavation=                                                   |         |         |         |       |        |       | 22.347             |                  |          |                          |
|         | Deduction                                                           |         |         |         |       |        |       |                    |                  |          |                          |
|         | Brick work                                                          | 1       |         | 0.785   | 2.280 | 2.280  | 0.530 | 2.163              |                  |          |                          |
|         |                                                                     | 1       |         | 0.785   | 1.540 | 1.540  | 2.000 | 3.723              |                  |          |                          |
|         | PCC                                                                 | 1       |         | 0.785   | 2.580 | 2.580  | 0.250 | 1.306              |                  |          |                          |
|         | Soling                                                              | 1       |         | 0.785   | 2.580 | 2.580  | 0.000 | 0.000              |                  |          |                          |
|         |                                                                     |         |         |         |       |        |       | 7.193              |                  |          |                          |
|         | Net Qty = A - B                                                     |         |         |         |       |        |       | 15.154             |                  | 397.971  | 413.126                  |



for

**Name of work:-** Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/PI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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**Name of Agency:-** M/s Khilari Infrastructure Pvt.Ltd. & GECPL (Joint Vencture)

**Authority No.** AMC/Ward B&C/UIDSSMT/2014/184 Date 01.07.2014

1 of 1

Azad Chowk to Siddharth Chowk MANHOLE

### 9th R A BILL MEASURMENTS

#### Sewer at Azad Chowk to Siddharth Chowk

**Item No. : 23** Providing and constructing on sewer BBM manhole 1.5 m dia at bottom and 0.5 m dia at top and up to a depth of 5 M

| Sr.No. | Chainage  | MH No | MTL     | IL      | Depth | Depth Difference than 5 m | Total Difference | Rebate/Add for Excess height (per 50 cm) |
|--------|-----------|-------|---------|---------|-------|---------------------------|------------------|------------------------------------------|
| 1      | CH 106.60 | AS 04 | 593.620 | 591.195 | 2.425 | -2.575                    |                  |                                          |
| 2      | CH 141.40 | AS 05 | 594.550 | 591.725 | 2.825 | -2.175                    |                  |                                          |
| 3      | CH 172.70 | AS 06 | 595.380 | 592.195 | 3.185 | -1.815                    |                  |                                          |
| 4      | CH 201.50 | AS 07 | 595.970 | 592.595 | 3.375 | -1.625                    |                  |                                          |
| 5      | CH 232.80 | AS 08 | 596.660 | 593.485 | 3.175 | -1.825                    |                  |                                          |
| 6      | CH 271.60 | AS 09 | 597.490 | 594.235 | 3.255 | -1.745                    |                  |                                          |
| 7      | CH 307.90 | AS 10 | 598.830 | 595.295 | 3.535 | -1.465                    |                  |                                          |
| 8      | CH 336.70 | AS 11 | 599.470 | 596.455 | 3.015 | -1.985                    |                  |                                          |
| 9      | CH 365.50 | AS 12 | 600.360 | 597.565 | 2.795 | -2.205                    |                  |                                          |
| 10     | CH 404.80 | AS 13 | 601.530 | 598.715 | 2.815 | -2.185                    |                  |                                          |
| 11     | CH 433.60 | AS 14 | 603.000 | 599.755 | 3.245 | -1.755                    |                  |                                          |
| 12     | CH 469.90 | AS 15 | 603.550 | 600.515 | 3.035 | -1.965                    | -48.191          | -96.382                                  |
| 13     | CH 498.70 | AS 16 | 604.255 | 601.305 | 2.950 | -2.050                    |                  |                                          |
| 14     | CH 527.50 | AS 17 | 604.640 | 601.825 | 2.815 | -2.185                    |                  |                                          |
| 15     | CH 546.30 | AS 18 | 604.640 | 601.831 | 2.809 | -2.191                    |                  |                                          |
| 16     | CH 565.10 | AS 19 | 604.890 | 602.085 | 2.805 | -2.195                    |                  |                                          |
| 17     | CH 593.90 | AS 20 | 605.340 | 602.470 | 2.870 | -2.130                    |                  |                                          |
| 18     | CH 625.20 | AS 21 | 606.210 | 602.720 | 3.490 | -1.510                    |                  |                                          |
| 19     | CH 667.50 | AS 22 | 605.550 | 602.900 | 2.650 | -2.350                    |                  |                                          |
| 20     | CH 703.80 | AS 23 | 605.360 | 603.090 | 2.270 | -2.730                    |                  |                                          |
| 21     | CH 740.10 | AS 24 | 605.610 | 603.280 | 2.330 | -2.670                    |                  |                                          |
| 22     | CH 773.90 | AS 25 | 606.150 | 603.540 | 2.610 | -2.390                    |                  |                                          |
| 23     | CH 813.20 | AS 26 | 606.630 | 604.100 | 2.530 | -2.470                    |                  |                                          |
|        |           |       |         |         |       |                           | <b>Total</b>     | <b>-96.382</b>                           |

**Item No. : 21** Providing and constructing on sewer BBM manhole 1.2 m dia at bottom and 0.5 m dia at top and up to a depth of 2 M

| Sr.No. | Chainage | MH No | MTL     | IL      | Depth | Depth Difference than 2 m | Total Difference | Rebate/Add for Excess height (per 50 cm) |
|--------|----------|-------|---------|---------|-------|---------------------------|------------------|------------------------------------------|
| 1      | CH 31.00 | AS 01 | 592.550 | 590.260 | 2.290 | 0.290                     |                  |                                          |
| 2      | CH 44.50 | AS 02 | 592.900 | 590.645 | 2.255 | 0.255                     | 0.790            | 1.580                                    |
| 3      | CH 75.50 | AS 03 | 593.110 | 590.865 | 2.245 | 0.245                     |                  |                                          |
|        |          |       |         |         |       |                           | <b>Total</b>     | <b>1.580</b>                             |



*Signature*



## 9th R A BILL MEASUREMENTS

## Branch Sewer - Azad Chowk to Siddharth Chowk

| SR NO | Description | MB/PG | ITEM 1    |         |         | ITEM 2  |           |         | ITEM 4  |         |         |        | ITEM 5  |         |       | ITEM 7  | ITEM 11 |
|-------|-------------|-------|-----------|---------|---------|---------|-----------|---------|---------|---------|---------|--------|---------|---------|-------|---------|---------|
|       |             |       | 0-1.5     | 1.5-3.0 | 3.0-4.5 | 0-1.5   | 1.5-3.0   | 3.0-4.5 | 0-1.5   | 1.5-3.0 | 3.0-4.5 | 0-1.5  | 1.5-3.0 | 3.0-4.5 | 3-4.5 |         |         |
| 1     | For Pipe    |       | 911.093   | 237.762 | 8.261   | 801.902 | 944.714   | 52.129  | 248.976 | 104.630 | 18.711  | 51.530 |         |         |       | 176.624 | 351.139 |
| 2     | For Manhole |       | 139.810   | 39.257  | 3.416   | 123.558 | 207.745   | 28.126  | 38.950  | 20.961  | 10.008  | 12.701 | 0.603   |         |       |         | 212.009 |
| Total |             |       | 1,050.903 | 277.019 | 11.678  | 925.459 | 1,152.459 | 80.256  | 287.926 | 125.591 | 28.719  | 64.230 | 0.603   |         |       | 176.624 | 563.148 |

CONTRACTOR



Authorized Signatory

PMC



Project Manager

CLIENT



Jr Engineer

Dy. Engineer

Ex. Engineer

I up to  
late

10

**Name of work:** Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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**Name of Agency:** M/s Khilari Infrastructure Pvt.Ltd. & GECPL (Joint Venture)

Azad Chowk to Siddharth Chowk Quantity Node Abstract

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| SR NO        | Description | MB/PG | ITEM 12       |               | ITEM 13        | ITEM 17      | ITEM 21      | ITEM 21.1    | ITEM 23      | ITEM 23.1       |  | ITEM 30         |
|--------------|-------------|-------|---------------|---------------|----------------|--------------|--------------|--------------|--------------|-----------------|--|-----------------|
|              |             |       | 250mm         | 250mm         | 400mm          | upto 2 m     | Rebate       | 2-5 m        | 2-5 m        | Rebate          |  |                 |
| 1            | For Pipe    |       | 10.000        | 10.000        | 780.500        |              |              |              |              |                 |  | 3,028.57        |
| 2            | For Manhole |       |               |               |                |              | 3.000        | 1.580        | 23.00        | (96.382)        |  | 413.126         |
| <b>Total</b> |             |       | <b>10.000</b> | <b>10.000</b> | <b>780.500</b> | <b>3.000</b> | <b>1.580</b> | <b>23.00</b> | <b>23.00</b> | <b>(96.382)</b> |  | <b>3,441.69</b> |

CONTRACTOR



PMC



CLIENT

Project Engineer

Project Manager

Engineer

Dy Engineer

Ex. Engineer

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP-DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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Branch at Police Mess 300mm Dia

| Date       | Particulars of work                                                                                   | DETAILS |         |         |       |       |       | Content of area | Last measurement |          | TOTAL TO DATE |
|------------|-------------------------------------------------------------------------------------------------------|---------|---------|---------|-------|-------|-------|-----------------|------------------|----------|---------------|
|            |                                                                                                       | GL      | No IL   | EX.L    | L     | B     | D     |                 | Page             | Quantity |               |
|            | Item No. 7 :- Filling in plinth and floors/trenches etc complete.(bedding)                            | 1       |         |         | 30.60 | 0.960 | 0.200 | 5.875           |                  | 3.955    | 9.830         |
|            | Item No. : 11 Transportation of earth Transportation charges including                                |         |         |         |       |       |       | 9.344           |                  | 6.290    | 15.634        |
|            | Extra item no.-9. 4) Lowering & Laying RCC NP3 class pipe of 300mm Dia                                | 1       |         |         | 32.50 |       |       | 32.500          |                  | 22.500   | 55.000        |
|            | Item No 30 :- Refilling the excavated trenches ...                                                    |         |         |         |       |       |       |                 |                  |          |               |
|            | Total Excavation= A                                                                                   |         |         |         |       |       |       | 169.500         |                  |          |               |
|            | Deduction                                                                                             |         |         |         |       |       |       |                 |                  |          |               |
|            | pipe area                                                                                             | 1       |         | 0.785   | 30.60 | 0.380 | 0.380 | 3.47            |                  |          |               |
|            | soling                                                                                                |         |         |         |       |       |       | 0.00            |                  |          |               |
|            | PCC                                                                                                   |         |         |         |       |       |       | 0.00            |                  |          |               |
|            | Murum bedding                                                                                         |         |         |         |       |       |       | 5.88            |                  |          |               |
|            | Total = B                                                                                             |         |         |         |       |       |       | 9.34            |                  |          |               |
|            | Net Qty = A - B                                                                                       |         |         |         |       |       |       | 160.16          |                  | 96.545   | 256.701       |
|            | PM6                                                                                                   |         |         |         |       |       |       |                 |                  |          |               |
| 19/05/2016 | CH154.65                                                                                              | 590.440 | 586.870 | 586.670 |       |       | 3.770 | 3.985           |                  |          |               |
|            | CH188.45                                                                                              | 590.960 | 586.960 | 586.760 |       |       | 4.200 |                 |                  |          |               |
|            | Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete. |         |         |         |       |       |       |                 |                  |          |               |
|            | (a) For Lift 0 to 1.5m                                                                                | 1       |         |         | 30.60 | 1.760 | 0.400 | 21.542          |                  | 36.045   | 57.587        |
|            | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.                     |         |         |         |       |       |       |                 |                  |          |               |
|            | (a) For Lift 0 to 1.5m                                                                                | 1       |         |         | 30.60 | 1.760 | 1.100 | 59.242          |                  | 99.123   | 158.365       |
|            | (b) For Lift 1.5m to 3.0m                                                                             | 1       |         |         | 30.60 | 1.360 | 1.500 | 62.424          |                  | 49.939   | 112.363       |
|            | (c) For Lift 3.0m to 4.5m                                                                             | 1       |         |         | 30.60 | 0.960 | 0.500 | 14.688          |                  | 0.000    | 14.688        |
|            | Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.                       |         |         |         |       |       |       |                 |                  |          |               |
|            | (b) For Lift 1.5m to 3.0m                                                                             | 1       |         |         | 30.60 | 1.360 | 0.000 | 0.000           |                  | 40.501   | 40.501        |
|            | (c) For Lift 3.0m to 4.5m                                                                             | 1       |         |         | 30.60 | 0.960 | 0.485 | 14.247          |                  | 26.292   | 40.539        |
|            | Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.                      |         |         |         |       |       |       |                 |                  |          |               |
|            | (b) For Lift 1.5m to 3.0m                                                                             | 1       |         |         | 30.60 | 1.360 | 0.000 | 0.000           |                  | 14.008   | 14.008        |
|            | (c) For Lift 3.0m to 4.5m                                                                             | 1       |         |         | 30.60 | 0.960 | 0.000 | 0.000           |                  | 6.427    | 6.427         |
|            | Item No. 7 :- Filling in plinth and floors/trenches etc complete.(bedding)                            | 1       |         |         | 30.60 | 0.960 | 0.200 | 5.875           |                  | 9.830    | 15.706        |
|            | Item No. : 11 Transportation of earth Transportation charges including                                |         |         |         |       |       |       | 9.344           |                  | 15.634   | 24.978        |
|            | Extra item no.-9. 4) Lowering & Laying RCC NP3 class pipe of 300mm Dia                                | 1       |         |         | 32.50 |       |       | 32.500          |                  | 55.000   | 87.500        |
|            | Item No 30 :- Refilling the excavated trenches ...                                                    |         |         |         |       |       |       |                 |                  |          |               |
|            | Total Excavation= A                                                                                   |         |         |         |       |       |       | 172.143         |                  |          |               |
|            | Deduction                                                                                             |         |         |         |       |       |       |                 |                  |          |               |
|            | pipe area                                                                                             | 1       |         | 0.785   | 30.60 | 0.380 | 0.380 | 3.47            |                  |          |               |
|            | soling                                                                                                |         |         |         |       |       |       | 0.00            |                  |          |               |
|            | PCC                                                                                                   |         |         |         |       |       |       | 0.00            |                  |          |               |
|            | Murum bedding                                                                                         |         |         |         |       |       |       | 5.88            |                  |          |               |
|            | Total = B                                                                                             |         |         |         |       |       |       | 9.34            |                  |          |               |
|            | Net Qty = A - B                                                                                       |         |         |         |       |       |       | 162.80          |                  | 256.701  | 419.500       |



for



Branch at Police Mess 400mm Dia

**9th R A BILL MEASUREMENTS**  
**Branch Sewer at "Police Mess"**

| Item | Particulars of work                                                                                         | DETAILS |         |         |       |       |       | Content of area | Last measurement |          | TOTAL TO DATE |
|------|-------------------------------------------------------------------------------------------------------------|---------|---------|---------|-------|-------|-------|-----------------|------------------|----------|---------------|
|      |                                                                                                             | GL      | No IL   | EX.L    | L     | B     | D     |                 | Page             | Quantity |               |
|      | 400mm dia at Police Mess                                                                                    |         |         |         |       |       |       |                 |                  |          |               |
|      | Width of Trench - For                                                                                       |         |         |         |       |       |       |                 |                  |          |               |
|      | Bottom Lift 0.00-1.50m-<br>0.4+0.15+0.15+0.5=1.2m                                                           |         |         |         |       |       |       |                 |                  |          |               |
|      | From Bottom Lift 1.50m-3.00m-<br>0.4+0.15+0.15+0.5+0.4=1.6m                                                 |         |         |         |       |       |       |                 |                  |          |               |
|      | From Bottom Lift 3.00m-4.50m-<br>0.4+0.15+0.15+0.5+0.4+0.4=2.0m                                             |         |         |         |       |       |       |                 |                  |          |               |
|      | Old Manhole                                                                                                 |         |         |         |       |       |       |                 |                  |          |               |
|      | CHS.80                                                                                                      | 586.890 | 583.625 | 583.425 |       |       |       | 3.465           |                  |          |               |
|      | CHS.65                                                                                                      | 586.810 | 583.655 | 583.455 |       |       |       | 3.355           | 3.410            |          |               |
|      | Item No. 1 :- Excavation for<br>foundation/pipe trenches in all types of<br>soil & soft murum etc complete. |         |         |         |       |       |       |                 |                  |          |               |
|      | (a) For Lift 0 to 1.5m                                                                                      | 1       |         |         | 4.050 | 2.000 | 1.500 | 12.150          |                  | 57.587   | 69.737        |
|      | (b) For Lift 1.5m to 3.0m                                                                                   | 1       |         |         | 4.050 | 1.600 | 1.500 | 9.720           |                  | 0.000    | 9.720         |
|      | (c) For Lift 3.0m to 4.5m                                                                                   | 1       |         |         | 4.050 | 1.200 | 0.410 | 1.993           |                  | 0.000    | 1.993         |
|      | Item No. 7 :- Filling in plinth and floors/<br>trenches etc complete.(bedding)                              | 1       |         |         | 4.050 | 1.200 | 0.200 | 0.972           |                  | 15.706   | 16.678        |
|      | Item No. : 11 Transportation of earth<br>Transportation charges including                                   |         |         |         |       |       |       | 1.934           |                  | 24.978   | 26.912        |
|      | Item No.17 (a) :- Lowering & Laying<br>RCC NP3 class pipe of 400mm Dia                                      | 1       |         |         | 5.000 |       |       | 5.000           |                  | 0.000    | 5.000         |
|      | Item No 30 :- Refilling the excavated<br>trenches ...                                                       |         |         |         |       |       |       |                 |                  |          |               |
|      | Total Excavation= A                                                                                         |         |         |         |       |       |       | 23.863          |                  |          |               |
|      | Deduction                                                                                                   |         |         |         |       |       |       |                 |                  |          |               |
|      | pipe area                                                                                                   | 1       |         | 0.785   | 4.050 | 0.550 | 0.550 | 0.96            |                  |          |               |
|      | soiling                                                                                                     |         |         |         |       |       |       | 0.00            |                  |          |               |
|      | POC                                                                                                         |         |         |         |       |       |       | 0.00            |                  |          |               |
|      | Murum bedding                                                                                               |         |         |         |       |       |       | 0.97            |                  |          |               |
|      | Total = B                                                                                                   |         |         |         |       |       |       | 1.93            |                  |          |               |
|      | Net Qty = A - B                                                                                             |         |         |         |       |       |       | 21.93           |                  | 419.500  | 441.429       |
|      | PM1                                                                                                         |         |         |         |       |       |       |                 |                  |          |               |
|      | CHS.65                                                                                                      | 586.810 | 583.779 | 583.579 |       |       | 3.231 |                 |                  |          |               |
|      | CHS.80                                                                                                      | 586.890 | 583.810 | 583.610 |       |       | 3.280 | 3.256           |                  |          |               |
|      | Item No. 1 :- Excavation for<br>foundation/pipe trenches in all types of<br>soil & soft murum etc complete. |         |         |         |       |       |       |                 |                  |          |               |
|      | (a) For Lift 0 to 1.5m                                                                                      | 1       |         |         | 1.550 | 2.000 | 1.500 | 4.650           |                  | 69.737   | 74.387        |
|      | (b) For Lift 1.5m to 3.0m                                                                                   | 1       |         |         | 1.550 | 1.600 | 1.500 | 3.720           |                  | 9.720    | 13.440        |
|      | (c) For Lift 3.0m to 4.5m                                                                                   | 1       |         |         | 1.550 | 1.200 | 0.256 | 0.476           |                  | 1.993    | 2.469         |
|      | Item No. 7 :- Filling in plinth and floors/<br>trenches etc complete.(bedding)                              | 1       |         |         | 1.550 | 1.200 | 0.200 | 0.372           |                  | 16.678   | 17.050        |
|      | Item No. : 11 Transportation of earth<br>Transportation charges including                                   |         |         |         |       |       |       | 0.740           |                  | 26.912   | 27.652        |
|      | Item No.17 (a) :- Lowering & Laying<br>RCC NP3 class pipe of 400mm Dia                                      | 1       |         |         | 2.500 |       |       | 2.500           |                  | 5.000    | 7.500         |
|      | Item No 30 :- Refilling the excavated<br>trenches ...                                                       |         |         |         |       |       |       |                 |                  |          |               |
|      | Total Excavation= A                                                                                         |         |         |         |       |       |       | 8.846           |                  |          |               |
|      | Deduction                                                                                                   |         |         |         |       |       |       |                 |                  |          |               |
|      | pipe area                                                                                                   | 1       |         | 0.785   | 1.550 | 0.550 | 0.550 | 0.37            |                  |          |               |
|      | soiling                                                                                                     |         |         |         |       |       |       | 0.00            |                  |          |               |
|      | POC                                                                                                         |         |         |         |       |       |       | 0.00            |                  |          |               |
|      | Murum bedding                                                                                               |         |         |         |       |       |       | 0.37            |                  |          |               |
|      | Total = B                                                                                                   |         |         |         |       |       |       | 0.74            |                  |          |               |



*Signature*

**Name of work:-** Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

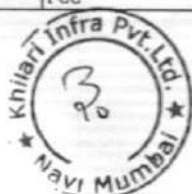
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Page No. :-

067

2

Branch at Police Mess 400mm Dia

| Date | Particulars of work                                                                                  | DETAILS         |         |         |        |       |       | Content of area | Last measurment |          | TOTAL TO DATE |
|------|------------------------------------------------------------------------------------------------------|-----------------|---------|---------|--------|-------|-------|-----------------|-----------------|----------|---------------|
|      |                                                                                                      | No              |         |         | L      | B     | D     |                 | Page            | Quantity |               |
|      |                                                                                                      | GL              | IL      | EX.L    |        |       |       |                 |                 |          |               |
|      |                                                                                                      | Net Qty = A - B |         |         |        |       |       | 8.11            |                 | 441.429  | 449.535       |
|      | CH8.80                                                                                               | 586.890         | 583.810 | 583.610 |        |       | 3.280 | 3.265           |                 |          |               |
|      | CH13.80                                                                                              | 586.920         | 583.870 | 583.670 |        |       | 3.250 |                 |                 |          |               |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in all typesof soil & soft murum etc complete. |                 |         |         |        |       |       |                 |                 |          |               |
|      | (a) For Lift 0 to 1.5m                                                                               | 1               |         |         | 5.000  | 2.000 | 1.500 | 15.000          |                 | 74.387   | 89.387        |
|      | (b) For Lift 1.5m to 3.0m                                                                            | 1               |         |         | 5.000  | 1.600 | 1.200 | 9.600           |                 | 13.440   | 23.040        |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.                   |                 |         |         |        |       |       |                 |                 |          |               |
|      | (b) For Lift 1.5m to 3.0m                                                                            | 1               |         |         | 5.000  | 1.600 | 0.300 | 2.400           |                 | 112.363  | 114.763       |
|      | (c) For Lift 3.0m to 4.5m                                                                            | 1               |         |         | 5.000  | 1.200 | 0.265 | 1.590           |                 | 14.688   | 16.278        |
|      | Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)                          | 1               |         |         | 5.000  | 1.200 | 0.200 | 1.200           |                 | 17.050   | 18.250        |
|      | Item No. : 11 Transportation of earth Transportation charges including                               |                 |         |         |        |       |       | 2.387           |                 | 27.652   | 30.039        |
|      | Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia                                  | 1               |         |         | 5.000  |       |       | 5.000           |                 | 7.500    | 12.500        |
|      | Item No 30 :- Refilling the excavated trenches ...                                                   |                 |         |         |        |       |       |                 |                 |          |               |
|      | Total Excavation= A                                                                                  |                 |         |         |        |       |       | 28.590          |                 |          |               |
|      | Deduction                                                                                            |                 |         |         |        |       |       |                 |                 |          |               |
|      | pipe area                                                                                            | 1               |         | 0.785   | 5.000  | 0.550 | 0.550 | 1.19            |                 |          |               |
|      | soling                                                                                               |                 |         |         |        |       |       | 0.00            |                 |          |               |
|      | PCC                                                                                                  |                 |         |         |        |       |       | 0.00            |                 |          |               |
|      | Murrum bedding                                                                                       |                 |         |         |        |       |       | 1.20            |                 |          |               |
|      | Total = B                                                                                            |                 |         |         |        |       |       | 2.39            |                 |          |               |
|      |                                                                                                      | Net Qty = A - B |         |         |        |       |       | 26.20           |                 | 449.535  | 475.738       |
|      | CH13.80                                                                                              | 586.920         | 583.870 | 583.670 |        |       | 3.250 | 3.340           |                 |          |               |
|      | CH28.80                                                                                              | 587.210         | 583.980 | 583.780 |        |       | 3.430 |                 |                 |          |               |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in all typesof soil & soft murum etc complete. |                 |         |         |        |       |       |                 |                 |          |               |
|      | (a) For Lift 0 to 1.5m                                                                               | 1               |         |         | 15.000 | 2.000 | 0.700 | 21.000          |                 | 89.387   | 110.387       |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.                   |                 |         |         |        |       |       |                 |                 |          |               |
|      | (a) For Lift 0 to 1.5m                                                                               | 1               |         |         | 15.000 | 2.000 | 0.800 | 24.000          |                 | 158.365  | 182.365       |
|      | (b) For Lift 1.5m to 3.0m                                                                            | 1               |         |         | 15.000 | 1.600 | 0.600 | 14.400          |                 | 114.763  | 129.163       |
|      | Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.                      |                 |         |         |        |       |       |                 |                 |          |               |
|      | (b) For Lift 1.5m to 3.0m                                                                            | 1               |         |         | 15.000 | 1.600 | 0.900 | 21.600          |                 | 40.501   | 62.101        |
|      | (c) For Lift 3.0m to 4.5m                                                                            | 1               |         |         | 15.000 | 1.200 | 0.340 | 6.120           |                 | 40.539   | 46.659        |
|      | Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)                          | 1               |         |         | 15.000 | 1.200 | 0.200 | 3.600           |                 | 18.250   | 21.850        |
|      | Item No. : 11 Transportation of earth Transportation charges including                               |                 |         |         |        |       |       | 7.162           |                 | 30.039   | 37.201        |
|      | Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia                                  | 1               |         |         | 15.000 |       |       | 15.000          |                 | 12.500   | 27.500        |
|      | Item No 30 :- Refilling the excavated trenches ...                                                   |                 |         |         |        |       |       |                 |                 |          |               |
|      | Total Excavation= A                                                                                  |                 |         |         |        |       |       | 87.120          |                 |          |               |
|      | Deduction                                                                                            |                 |         |         |        |       |       |                 |                 |          |               |
|      | pipe area                                                                                            | 1               |         | 0.785   | 15.000 | 0.550 | 0.550 | 3.56            |                 |          |               |
|      | soling                                                                                               |                 |         |         |        |       |       | 0.00            |                 |          |               |
|      | PCC                                                                                                  |                 |         |         |        |       |       | 0.00            |                 |          |               |



*Yays*

... of Sewage Collection System for Zone No. VI  
... at Nakshirawadi (Kanchanwadi), Banewadi, Siddharth  
... CIDCO (Airport). Construction, Erection, Testing and Commission  
... pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward  
... CIDCO (Airport). Providing, lowering, laying jointing and testing rising main  
... from Golwadi SPS to Nakshirawadi (Kanchanwadi) STP and Ward No. 98 to

Branch at Police Mess 400mm Dia

| Date | Particulars of work                                                                                   | DETAILS         |         |         |        |       |       | Content of area | Last measurement |          | TOTAL TO DATE |
|------|-------------------------------------------------------------------------------------------------------|-----------------|---------|---------|--------|-------|-------|-----------------|------------------|----------|---------------|
|      |                                                                                                       | No              |         |         | L      | B     | D     |                 | Page             | Quantity |               |
|      |                                                                                                       | GL              | IL      | EXL     |        |       |       |                 |                  |          |               |
|      | Murum bedding                                                                                         |                 |         |         |        |       |       | 3.60            |                  |          |               |
|      | Total = B                                                                                             |                 |         |         |        |       |       | 7.16            |                  |          |               |
|      |                                                                                                       | Net Qty = A - B |         |         |        |       |       | 79.96           |                  | 475.738  | 555.696       |
|      | CH46.80                                                                                               | 587.210         | 583.980 | 583.780 |        |       | 3.430 | 3.540           |                  |          |               |
|      | CH46.95                                                                                               | 587.710         | 584.260 | 584.060 |        |       | 3.650 |                 |                  |          |               |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete. |                 |         |         |        |       |       |                 |                  |          |               |
|      | (a) For Lift 0 to 1.5m                                                                                | 1               |         |         | 16.550 | 2.000 | 0.700 | 23.170          |                  | 110.387  | 133.557       |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.                     |                 |         |         |        |       |       |                 |                  |          |               |
|      | (a) For Lift 0 to 1.5m                                                                                | 1               |         |         | 16.550 | 2.000 | 0.800 | 26.480          |                  | 182.365  | 208.845       |
|      | (b) For Lift 1.5m to 3.0m                                                                             | 1               |         |         | 16.550 | 1.600 | 0.600 | 15.888          |                  | 129.163  | 145.051       |
|      | Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.                       |                 |         |         |        |       |       |                 |                  |          |               |
|      | (b) For Lift 1.5m to 3.0m                                                                             | 1               |         |         | 16.550 | 1.600 | 0.900 | 23.832          |                  | 62.101   | 85.933        |
|      | (c) For Lift 3.0m to 4.5m                                                                             | 1               |         |         | 16.550 | 1.200 | 0.540 | 10.724          |                  | 46.659   | 57.383        |
|      | Item No. 7 :- Filling in plinth and floors/trenches etc complete.(bedding)                            | 1               |         |         | 16.550 | 1.200 | 0.200 | 3.972           |                  | 21.850   | 25.822        |
|      | Item No. : 11 Transportation of earth Transportation charges including                                |                 |         |         |        |       |       | 7.902           |                  | 37.201   | 45.103        |
|      | Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia                                   | 1               |         |         | 17.500 |       |       | 17.500          |                  | 27.500   | 45.000        |
|      | Item No 30 :- Refilling the excavated trenches ...                                                    |                 |         |         |        |       |       |                 |                  |          |               |
|      | Total Excavation= A                                                                                   |                 |         |         |        |       |       | 100.094         |                  |          |               |
|      | Deduction                                                                                             |                 |         |         |        |       |       |                 |                  |          |               |
|      | pipe area                                                                                             | 1               |         | 0.785   | 16.550 | 0.550 | 0.550 | 3.93            |                  |          |               |
|      | soiling                                                                                               |                 |         |         |        |       |       | 0.00            |                  |          |               |
|      | PCC                                                                                                   |                 |         |         |        |       |       | 0.00            |                  |          |               |
|      | Murum bedding                                                                                         |                 |         |         |        |       |       | 3.97            |                  |          |               |
|      | Total = B                                                                                             |                 |         |         |        |       |       | 7.90            |                  |          |               |
|      |                                                                                                       | Net Qty = A - B |         |         |        |       |       | 92.19           |                  | 555.696  | 647.888       |
|      | PM2                                                                                                   |                 |         |         |        |       |       |                 |                  |          |               |
|      | CH46.95                                                                                               | 587.710         | 584.610 | 584.410 |        |       | 3.300 | 3.345           |                  |          |               |
|      | CH63.25                                                                                               | 587.985         | 584.795 | 584.595 |        |       | 3.390 |                 |                  |          |               |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete. |                 |         |         |        |       |       |                 |                  |          |               |
|      | (a) For Lift 0 to 1.5m                                                                                | 1               |         |         | 13.100 | 2.000 | 1.200 | 31.440          |                  | 133.557  | 164.997       |
|      | (b) For Lift 1.5m to 3.0m                                                                             | 1               |         |         | 13.100 | 1.600 | 1.270 | 26.619          |                  | 23.040   | 49.659        |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.                     |                 |         |         |        |       |       |                 |                  |          |               |
|      | (a) For Lift 0 to 1.5m                                                                                | 1               |         |         | 13.100 | 2.000 | 0.200 | 5.240           |                  | 208.845  | 214.085       |
|      | (b) For Lift 1.5m to 3.0m                                                                             | 1               |         |         | 13.100 | 1.600 | 0.230 | 4.821           |                  | 145.051  | 149.872       |
|      | (c) For Lift 3.0m to 4.5m                                                                             | 1               |         |         | 13.100 | 1.200 | 0.345 | 5.423           |                  | 16.278   | 21.701        |
|      | Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.                       |                 |         |         |        |       |       |                 |                  |          |               |
|      | (a) For Lift 0 to 1.5m                                                                                | 1               |         |         | 13.100 | 2.000 | 0.100 | 2.620           |                  | 0.000    | 2.620         |
|      | Item No. 7 :- Filling in plinth and floors/trenches etc complete.(bedding)                            | 1               |         |         | 13.100 | 1.200 | 0.200 | 3.144           |                  | 25.822   | 28.966        |
|      | Item No. : 11 Transportation of earth Transportation charges including                                |                 |         |         |        |       |       | 6.255           |                  | 45.103   | 51.358        |
|      | Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia                                   | 1               |         |         | 15.000 |       |       | 15.000          |                  | 45.000   | 60.000        |



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**Name of work:-** Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

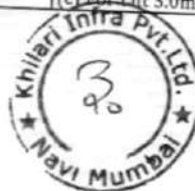
Book No. :-

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Page No. :-

Branch at Police Mess 400mm Dia

| Date | Particulars of work                                                                                   | DETAILS |         |         |        |       |       | Content of area | Last measurement |          | TOTAL TO DATE |
|------|-------------------------------------------------------------------------------------------------------|---------|---------|---------|--------|-------|-------|-----------------|------------------|----------|---------------|
|      |                                                                                                       | GL      | No IL   | EX.L    | L      | B     | D     |                 | Page             | Quantity |               |
|      | Item No 30 :- Refilling the excavated trenches ...                                                    |         |         |         |        |       |       |                 |                  |          |               |
|      | Total Excavation= A                                                                                   |         |         |         |        |       |       |                 |                  |          |               |
|      | Deduction                                                                                             |         |         |         |        |       |       | 76.163          |                  |          |               |
|      | pipe area                                                                                             | 1       |         | 0.785   | 13.100 | 0.550 | 0.550 | 3.11            |                  |          |               |
|      | soling                                                                                                |         |         |         |        |       |       | 0.00            |                  |          |               |
|      | PCC                                                                                                   |         |         |         |        |       |       | 0.00            |                  |          |               |
|      | Murum bedding                                                                                         |         |         |         |        |       |       | 3.14            |                  |          |               |
|      | Total = B                                                                                             |         |         |         |        |       |       | 6.25            |                  |          |               |
|      | Net Qty = A - B                                                                                       |         |         |         |        |       |       | 69.91           |                  |          |               |
|      | PM3                                                                                                   |         |         |         |        |       |       |                 |                  | 647.888  | 717.797       |
|      | CH63.25                                                                                               | 587.985 | 585.145 | 584.945 |        |       | 3.040 |                 |                  |          |               |
|      | CH78.90                                                                                               | 588.310 | 585.295 | 585.095 |        |       | 3.215 | 3.128           |                  |          |               |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete. |         |         |         |        |       |       |                 |                  |          |               |
|      | (a) For Lift 0 to 1.5m                                                                                | 1       |         |         | 14.050 | 2.000 | 0.400 | 11.240          |                  | 164.997  | 176.237       |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.                     |         |         |         |        |       |       |                 |                  |          |               |
|      | (a) For Lift 0 to 1.5m                                                                                | 1       |         |         | 14.050 | 2.000 | 0.950 | 26.695          |                  | 214.085  | 240.780       |
|      | (b) For Lift 1.5m to 3.0m                                                                             | 1       |         |         | 14.050 | 1.600 | 0.550 | 12.364          |                  | 149.872  | 162.236       |
|      | Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.                       |         |         |         |        |       |       |                 |                  |          |               |
|      | (a) For Lift 0 to 1.5m                                                                                | 1       |         |         | 14.050 | 2.000 | 0.150 | 4.215           |                  | 2.620    | 6.835         |
|      | (b) For Lift 1.5m to 3.0m                                                                             | 1       |         |         | 14.050 | 1.600 | 0.950 | 21.356          |                  | 85.933   | 107.289       |
|      | (c) For Lift 3.0m to 4.5m                                                                             | 1       |         |         | 14.050 | 1.200 | 0.128 | 2.158           |                  | 57.383   | 59.541        |
|      | Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)                           | 1       |         |         | 14.050 | 1.200 | 0.200 | 3.372           |                  | 28.966   | 32.338        |
|      | Item No. : 11 Transportation of earth Transportation charges including                                |         |         |         |        |       |       | 6.708           |                  | 51.358   | 58.066        |
|      | Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia                                   | 1       |         |         | 15.000 |       |       | 15.000          |                  | 60.000   | 75.000        |
|      | Item No 30 :- Refilling the excavated trenches ...                                                    |         |         |         |        |       |       |                 |                  |          |               |
|      | Total Excavation= A                                                                                   |         |         |         |        |       |       |                 |                  |          |               |
|      | Deduction                                                                                             |         |         |         |        |       |       | 78.028          |                  |          |               |
|      | pipe area                                                                                             | 1       |         | 0.785   | 14.050 | 0.550 | 0.550 | 3.34            |                  |          |               |
|      | soling                                                                                                |         |         |         |        |       |       | 0.00            |                  |          |               |
|      | PCC                                                                                                   |         |         |         |        |       |       | 0.00            |                  |          |               |
|      | Murum bedding                                                                                         |         |         |         |        |       |       | 3.37            |                  |          |               |
|      | Total = B                                                                                             |         |         |         |        |       |       | 6.71            |                  |          |               |
|      | Net Qty = A - B                                                                                       |         |         |         |        |       |       | 71.32           |                  |          |               |
|      | CH78.90                                                                                               | 588.310 | 585.295 | 585.095 |        |       | 3.215 |                 |                  | 717.797  | 789.117       |
|      | CH97.05                                                                                               | 588.645 | 585.420 | 585.220 |        |       | 3.425 | 3.320           |                  |          |               |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete. |         |         |         |        |       |       |                 |                  |          |               |
|      | (a) For Lift 0 to 1.5m                                                                                | 1       |         |         | 16.550 | 2.000 | 0.400 | 13.240          |                  | 176.237  | 189.477       |
|      | (b) For Lift 1.5m to 3.0m                                                                             | 1       |         |         | 16.550 | 1.600 | 0.000 | 0.000           |                  | 49.659   | 49.659        |
|      | (c) For Lift 3.0m to 4.5m                                                                             | 1       |         |         | 16.550 | 1.200 | 0.000 | 0.000           |                  | 2.469    | 2.469         |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.                     |         |         |         |        |       |       |                 |                  |          |               |
|      | (a) For Lift 0 to 1.5m                                                                                | 1       |         |         | 16.550 | 2.000 | 0.600 | 19.860          |                  | 240.780  | 260.640       |
|      | (b) For Lift 1.5m to 3.0m                                                                             | 1       |         |         | 16.550 | 1.600 | 0.000 | 0.000           |                  | 162.236  | 162.236       |
|      | (c) For Lift 3.0m to 4.5m                                                                             | 1       |         |         | 16.550 | 1.200 | 0.000 | 0.000           |                  | 21.701   | 21.701        |



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**Measurement Book**

**Name of work:-** Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main 400mm dia pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to SPS for Aurangabad City.

Book No. :-

063

Page No. :-

**Name of Agency:-** M/s Khilari Infrastructure Pvt.Ltd. & GECPL (Joint Venture)

Branch at Police Mess 400mm Dia

| Date | Particulars of work                                                              | DETAILS |       |       |        |       | Content of area | Last measurement |          | TOTAL TO DATE |
|------|----------------------------------------------------------------------------------|---------|-------|-------|--------|-------|-----------------|------------------|----------|---------------|
|      |                                                                                  | GL      | No IL | EXL   | L      | B     | D               | Page             | Quantity |               |
|      | Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.  |         |       |       |        |       |                 |                  |          |               |
|      | (a) For Lift 0 to 1.5m                                                           | 1       |       |       | 16.550 | 2.000 | 0.500           | 16.550           | 6.835    | 23.385        |
|      | (b) For Lift 1.5m to 3.0m                                                        | 1       |       |       | 16.550 | 1.600 | 1.500           | 39.720           | 107.289  | 147.009       |
|      | (c) For Lift 3.0m to 4.5m                                                        | 1       |       |       | 16.550 | 1.200 | 0.320           | 6.355            | 59.541   | 65.897        |
|      | Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete. |         |       |       |        |       |                 |                  |          |               |
|      | (b) For Lift 1.5m to 3.0m                                                        | 1       |       |       | 16.550 | 1.600 | 0.000           | 0.000            | 14.008   | 14.008        |
|      | (c) For Lift 3.0m to 4.5m                                                        | 1       |       |       | 16.550 | 1.200 | 0.000           | 0.000            | 6.427    | 6.427         |
|      | Item No. 7 :- Filling in plinth and floors/trenches etc complete.(bedding)       | 1       |       |       | 16.550 | 1.200 | 0.200           | 3.972            | 32.338   | 36.310        |
|      | Item No. : 11 Transportation of earth Transportation charges including           |         |       |       |        |       |                 | 7.902            | 58.066   | 65.968        |
|      | Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia              | 1       |       |       | 17.500 |       |                 | 17.500           | 75.000   | 92.500        |
|      | Item No 30 :- Refilling the excavated trenches                                   |         |       |       |        |       |                 |                  |          |               |
|      | Total Excavation= A                                                              |         |       |       |        |       |                 | 95.725           |          |               |
|      | Deduction                                                                        |         |       |       |        |       |                 |                  |          |               |
|      | pipe area                                                                        | 1       |       | 0.785 | 16.550 | 0.550 | 0.550           | 3.93             |          |               |
|      | soiling                                                                          |         |       |       |        |       |                 | 0.00             |          |               |
|      | PCC                                                                              |         |       |       |        |       |                 | 0.00             |          |               |
|      | Murum bedding                                                                    |         |       |       |        |       |                 | 3.97             |          |               |
|      | Total = B                                                                        |         |       |       |        |       |                 | 7.90             |          |               |
|      | Net Qty = A - B                                                                  |         |       |       |        |       |                 | 87.82            | 789.117  | 876.940       |



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :-

064

Page No. :-

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Branch at Police Mess 1.5m MH Excavation

# 9<sup>th</sup> RA BILL MEASUREMENTS

## Branch Sewer at "Police Mess"

# 9<sup>th</sup> RA BILL MEASUREMENTS

## Branch Sewer at "Police Mess "

| Date | Particulars of work                                                                                              | DETAILS |         |         |       |        |       | Content of arrears | Last measurement |          | Total Upto Date Quantity |  |  |
|------|------------------------------------------------------------------------------------------------------------------|---------|---------|---------|-------|--------|-------|--------------------|------------------|----------|--------------------------|--|--|
|      |                                                                                                                  | No      |         |         | L     | B      | D     |                    | Page             | Quantity |                          |  |  |
|      |                                                                                                                  | GL      | IL      | EX.L    |       |        |       |                    |                  |          |                          |  |  |
|      | Excavation of Chamber -<br>For 1.50m dia Manhole (upto a depth of 2.0m to 5.0m)-<br>1.50+0.35+0.35+0.5+0.5=3.20m |         |         |         |       |        |       |                    |                  |          |                          |  |  |
|      | Breadth for<br>Manhole=3.2*3.2=10.24m                                                                            |         |         |         |       |        |       |                    |                  |          |                          |  |  |
|      | PM1                                                                                                              |         |         |         |       |        |       |                    |                  |          |                          |  |  |
|      | CH5.65                                                                                                           | 586.810 | 583.655 | 583.405 |       |        | 3.405 |                    |                  |          |                          |  |  |
|      | Item No. 1 :- Excavation for<br>foundation/pipe trenches in earth<br>soils, Soft murrum etc complete.            |         |         |         |       |        |       |                    |                  |          |                          |  |  |
|      | (a) For Lift 0 to 1.5m                                                                                           | 1       |         |         | 0.785 | 10.240 | 1.500 | 12.058             |                  | 26.341   | 38.399                   |  |  |
|      | (b) For Lift 1.5m to 3.0m                                                                                        | 1       |         |         | 0.785 | 10.240 | 1.500 | 12.058             |                  | 2.971    | 15.028                   |  |  |
|      | (c) For Lift 3.0m to 4.5m                                                                                        | 1       |         |         | 0.785 | 10.240 | 0.405 | 3.256              |                  | 0.000    | 3.256                    |  |  |
|      | Item No. : 11 Transportation of<br>earth Transportation charges                                                  |         |         |         |       |        |       | 9.743              |                  | 23.290   | 33.033                   |  |  |
|      | Item No. 30 :- Refilling the<br>excavated trenches ...                                                           |         |         |         |       |        |       |                    |                  |          |                          |  |  |
|      | Total Excavation=                                                                                                |         |         |         |       |        |       | 27.371             |                  |          |                          |  |  |
|      | Deduction                                                                                                        |         |         |         |       |        |       |                    |                  |          |                          |  |  |
|      | Brick work                                                                                                       | 1       |         | 0.785   | 2.280 | 2.280  | 1.155 | 4.713              |                  |          |                          |  |  |
|      | PCC                                                                                                              | 1       |         | 0.785   | 1.540 | 1.540  | 2.000 | 3.723              |                  |          |                          |  |  |
|      | Soling                                                                                                           | 1       |         | 0.785   | 2.580 | 2.580  | 0.250 | 1.306              |                  |          |                          |  |  |
|      |                                                                                                                  |         |         | 0.785   | 2.580 | 2.580  | 0.000 | 0.000              |                  |          |                          |  |  |
|      |                                                                                                                  |         |         |         |       |        |       | 9.743              |                  |          |                          |  |  |
|      | PM2                                                                                                              |         |         |         |       |        |       | 17.628             |                  | 27.214   | 44.842                   |  |  |
|      | CH46.95                                                                                                          | 587.710 | 584.260 | 584.010 |       |        | 3.700 |                    |                  |          |                          |  |  |
|      | Item No. 1 :- Excavation for<br>foundation/pipe trenches in earth<br>soils, Soft murrum etc complete.            |         |         |         |       |        |       |                    |                  |          |                          |  |  |
|      | (a) For Lift 0 to 1.5m                                                                                           | 1       |         |         | 0.785 | 10.240 | 0.700 | 5.627              |                  | 38.399   | 44.026                   |  |  |
|      | Item No. 2 :- Excavation for<br>foundation/pipe trenches in Hard<br>murrum etc complete.                         |         |         |         |       |        |       |                    |                  |          |                          |  |  |
|      | (a) For Lift 0 to 1.5m                                                                                           | 1       |         |         | 0.785 | 10.240 | 0.800 | 6.431              |                  | 3.367    | 9.798                    |  |  |
|      | (b) For Lift 1.5m to 3.0m                                                                                        | 1       |         |         | 0.785 | 10.240 | 0.600 | 4.823              |                  | 5.876    | 10.699                   |  |  |
|      | Item No. 4 :- Excavation for<br>foundation/pipe trenches in soft                                                 |         |         |         |       |        |       |                    |                  |          |                          |  |  |
|      | (b) For Lift 1.5m to 3.0m                                                                                        | 1       |         |         | 0.785 | 10.240 | 0.900 | 7.235              |                  | 11.949   | 19.184                   |  |  |
|      | (c) For Lift 3.0m to 4.5m                                                                                        | 1       |         |         | 0.785 | 10.240 | 0.700 | 5.627              |                  | 0.000    | 5.627                    |  |  |
|      | Item No. : 11 Transportation of<br>earth Transportation charges                                                  |         |         |         |       |        |       | 10.947             |                  | 33.033   | 43.980                   |  |  |
|      | Item No. 30 :- Refilling the<br>excavated trenches ...                                                           |         |         |         |       |        |       |                    |                  |          |                          |  |  |
|      | Total Excavation=                                                                                                |         |         |         |       |        |       | 29.742             |                  |          |                          |  |  |
|      | Deduction                                                                                                        |         |         |         |       |        |       |                    |                  |          |                          |  |  |
|      | Brick work                                                                                                       | 1       |         | 0.785   | 2.280 | 2.280  | 1.450 | 5.917              |                  |          |                          |  |  |
|      | PCC                                                                                                              | 1       |         | 0.785   | 1.540 | 1.540  | 2.000 | 3.723              |                  |          |                          |  |  |
|      | Soling                                                                                                           | 1       |         | 0.785   | 2.580 | 2.580  | 0.250 | 1.306              |                  |          |                          |  |  |
|      |                                                                                                                  |         |         | 0.785   | 2.580 | 2.580  | 0.000 | 0.000              |                  |          |                          |  |  |
|      |                                                                                                                  |         |         |         |       |        |       | 10.947             |                  |          |                          |  |  |
|      | PM3                                                                                                              |         |         |         |       |        |       | 18.795             |                  | 44.842   | 63.637                   |  |  |
|      | CH63.25                                                                                                          | 587.985 | 584.795 | 584.545 |       |        | 3.440 |                    |                  |          |                          |  |  |
|      | Item No. 1 :- Excavation for<br>foundation/pipe trenches in earth<br>soils, Soft murrum etc complete.            |         |         |         |       |        |       |                    |                  |          |                          |  |  |



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Branch at Police Mess 1.5m MH Excavation

| Date | Particulars of work                                                                             | DETAILS |         |         |       |        |       | Content of arrears | Last measurment |          | Total Upto Date Quantity |
|------|-------------------------------------------------------------------------------------------------|---------|---------|---------|-------|--------|-------|--------------------|-----------------|----------|--------------------------|
|      |                                                                                                 | GL      | No IL   | EX.L    | L     | B      | D     |                    | Page            | Quantity |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 1.200 | 9.646              |                 | 44.026   | 53.672                   |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 1.270 | 10.209             |                 | 15.028   | 25.237                   |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |         |         |         |       |        |       |                    |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.200 | 1.608              |                 | 9.798    | 11.405                   |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.230 | 1.849              |                 | 10.699   | 12.548                   |
|      | (c) For Lift 3.0m to 4.5m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.440 | 3.537              |                 | 0.000    | 3.537                    |
|      | Item No. 4 :- Excavation for foundation/pipe trenches in soft                                   |         |         |         |       |        |       |                    |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.100 | 0.804              |                 | 0.000    | 0.804                    |
|      | Item No. : 11 Transportation of earth Transportation charges                                    |         |         |         |       |        |       | 9.886              |                 | 43.980   | 53.865                   |
|      | Item No. 30 :- Refilling the excavated trenches ...                                             |         |         |         |       |        |       |                    |                 |          |                          |
|      | Total Excavation=                                                                               |         |         |         |       |        |       | 27.652             |                 |          |                          |
|      | Deduction                                                                                       |         |         |         |       |        |       |                    |                 |          |                          |
|      | Brick work                                                                                      | 1       |         | 0.785   | 2.280 | 2.280  | 1.190 | 4.856              |                 |          |                          |
|      |                                                                                                 | 1       |         | 0.785   | 1.540 | 1.540  | 2.000 | 3.723              |                 |          |                          |
|      | PCC                                                                                             | 1       |         | 0.785   | 2.580 | 2.580  | 0.250 | 1.306              |                 |          |                          |
|      | Soling                                                                                          | 1       |         | 0.785   | 2.580 | 2.580  | 0.000 | 0.000              |                 |          |                          |
|      |                                                                                                 |         |         |         |       |        |       | 9.886              |                 |          |                          |
|      | Net Qty = A - B                                                                                 |         |         |         |       |        |       | 17.766             |                 | 63.637   | 81.404                   |
|      | PM4                                                                                             |         |         |         |       |        |       |                    |                 |          |                          |
|      | CH97.05                                                                                         | 588.645 | 585.420 | 585.170 |       |        | 3.475 |                    |                 |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |         |       |        |       |                    |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.400 | 3.215              |                 | 53.672   | 56.887                   |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |         |         |         |       |        |       |                    |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.600 | 4.823              |                 | 11.405   | 16.228                   |
|      | Item No. 4 :- Excavation for foundation/pipe trenches in soft                                   |         |         |         |       |        |       |                    |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.500 | 4.019              |                 | 0.804    | 4.823                    |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 1.500 | 12.058             |                 | 19.184   | 31.242                   |
|      | (c) For Lift 3.0m to 4.5m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.475 | 3.818              |                 | 5.627    | 9.445                    |
|      | Item No. : 11 Transportation of earth Transportation charges                                    |         |         |         |       |        |       | 10.029             |                 | 53.865   | 63.894                   |
|      | Item No. 30 :- Refilling the excavated trenches ...                                             |         |         |         |       |        |       |                    |                 |          |                          |
|      | Total Excavation=                                                                               |         |         |         |       |        |       | 27.933             |                 |          |                          |
|      | Deduction                                                                                       |         |         |         |       |        |       |                    |                 |          |                          |
|      | Brick work                                                                                      | 1       |         | 0.785   | 2.280 | 2.280  | 1.225 | 4.999              |                 |          |                          |
|      |                                                                                                 | 1       |         | 0.785   | 1.540 | 1.540  | 2.000 | 3.723              |                 |          |                          |
|      | PCC                                                                                             | 1       |         | 0.785   | 2.580 | 2.580  | 0.250 | 1.306              |                 |          |                          |
|      | Soling                                                                                          | 1       |         | 0.785   | 2.580 | 2.580  | 0.000 | 0.000              |                 |          |                          |
|      |                                                                                                 |         |         |         |       |        |       | 10.029             |                 |          |                          |
|      | Net Qty = A - B                                                                                 |         |         |         |       |        |       | 17.905             |                 | 81.404   | 99.308                   |
|      | PMS                                                                                             |         |         |         |       |        |       |                    |                 |          |                          |
|      | CH120.85                                                                                        | 589.290 | 585.750 | 585.500 |       |        | 3.790 |                    |                 |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |         |       |        |       |                    |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.400 | 3.215              |                 | 56.887   | 60.103                   |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |         |         |         |       |        |       |                    |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 1.100 | 8.842              |                 | 16.228   | 25.071                   |



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP/ID pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :-

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Branch at Police Mess 1.5m MH Excavation

| Date | Particulars of work                                                                             | DETAILS |         |         |       |        |       | Content of arrears | Last measurement |          | Total Upto Date Quantity |
|------|-------------------------------------------------------------------------------------------------|---------|---------|---------|-------|--------|-------|--------------------|------------------|----------|--------------------------|
|      |                                                                                                 | GL      | No IL   | EX.L    | L     | B      | D     |                    | Page             | Quantity |                          |
|      | Item No. 4 :- Excavation for foundation/pipe trenches in soft                                   |         |         |         |       |        |       |                    |                  |          |                          |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 1.000 | 8.038              |                  | 31.242   | 39.280                   |
|      | ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete    |         |         |         |       |        |       |                    |                  |          |                          |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.500 | 4.019              |                  | 0.000    | 4.019                    |
|      | (c) For Lift 3.0m to 4.5m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.790 | 6.350              |                  | 0.000    | 6.350                    |
|      | Item No. : 11 Transportation of earth Transportation charges                                    |         |         |         |       |        |       | 11.314             |                  | 63.894   | 75.208                   |
|      | Item No. 30 :- Refilling the excavated trenches ...                                             |         |         |         |       |        |       |                    |                  |          |                          |
|      | Total Excavation=                                                                               |         |         |         |       |        |       |                    |                  |          |                          |
|      | Deduction                                                                                       |         |         |         |       |        |       | 30.466             |                  |          |                          |
|      | Brick work                                                                                      | 1       |         |         | 0.785 | 2.280  | 2.280 | 1.540              | 6.284            |          |                          |
|      | PCC                                                                                             | 1       |         |         | 0.785 | 1.540  | 1.540 | 2.000              | 3.723            |          |                          |
|      | Soling                                                                                          | 1       |         |         | 0.785 | 2.580  | 2.580 | 0.250              | 1.306            |          |                          |
|      |                                                                                                 | 1       |         |         | 0.785 | 2.580  | 2.580 | 0.000              | 0.000            |          |                          |
|      | PM6                                                                                             |         |         |         |       |        |       | 11.314             |                  |          |                          |
|      | CH154.65                                                                                        | 590.440 | 586.230 | 585.980 |       |        | 4.460 | 19.151             | 99.308           | 118.460  |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |         |       |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.400 | 3.215              |                  | 60.103   | 63.318                   |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |         |         |         |       |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 1.100 | 8.842              | 25.071           | 33.913   |                          |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 1.200 | 9.646              | 12.548           | 22.194   |                          |
|      | Item No. 4 :- Excavation for foundation/pipe trenches in soft                                   |         |         |         |       |        |       |                    |                  |          |                          |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.300 | 2.412              | 39.280           | 41.691   |                          |
|      | (c) For Lift 3.0m to 4.5m                                                                       | 1       |         |         | 0.785 | 10.240 | 1.460 | 11.736             | 9.445            | 21.181   |                          |
|      | Item No. : 11 Transportation of earth Transportation charges                                    |         |         |         |       |        |       | 14.048             | 75.208           | 89.256   |                          |
|      | Item No. 30 :- Refilling the excavated trenches ...                                             |         |         |         |       |        |       |                    |                  |          |                          |
|      | Total Excavation=                                                                               |         |         |         |       |        |       |                    |                  |          |                          |
|      | Deduction                                                                                       |         |         |         |       |        |       | 35.851             |                  |          |                          |
|      | Brick work                                                                                      | 1       |         |         | 0.785 | 2.280  | 2.280 | 2.210              | 9.018            |          |                          |
|      | PCC                                                                                             | 1       |         |         | 0.785 | 1.540  | 1.540 | 2.000              | 3.723            |          |                          |
|      | Soling                                                                                          | 1       |         |         | 0.785 | 2.580  | 2.580 | 0.250              | 1.306            |          |                          |
|      |                                                                                                 | 1       |         |         | 0.785 | 2.580  | 2.580 | 0.000              | 0.000            |          |                          |
|      | PM7                                                                                             |         |         |         |       |        |       | 14.048             |                  |          |                          |
|      | CH188.45                                                                                        | 590.960 | 586.960 | 586.710 |       |        | 4.250 | 21.803             | 118.460          | 140.263  |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |         |       |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 0.400 | 3.215              | 63.318           | 66.533   |                          |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.000 | 0.000              | 25.237           | 25.237   |                          |
|      | (c) For Lift 3.0m to 4.5m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.000 | 0.000              | 3.256            | 3.256    |                          |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |         |         |         |       |        |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 0.785 | 10.240 | 1.100 | 8.842              | 33.913           | 42.755   |                          |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1       |         |         | 0.785 | 10.240 | 1.500 | 12.058             | 22.194           | 34.251   |                          |
|      | (c) For Lift 3.0m to 4.5m                                                                       | 1       |         |         | 0.785 | 10.240 | 0.500 | 4.019              | 3.537            | 7.556    |                          |



for

Work:- Develop of Underground Sewerage Collection System for Zone I to VI at Police Mess. At Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant using modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commissioning of sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No. 98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main sewerage pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to CIDCO (Airport).

Name of Agency:- M/s Khilari Infrastructure Pvt.Ltd. & GECPL (Joint Venture)

Branch at Police Mess 1.5m MH Excavation

| Item- | Particulars of work                                                                          | DETAILS |    |                 |       |        | Content of arrears | Last measurement |      | Total Upto Date Quantity |          |
|-------|----------------------------------------------------------------------------------------------|---------|----|-----------------|-------|--------|--------------------|------------------|------|--------------------------|----------|
|       |                                                                                              | No      |    |                 | L     | B      |                    | D                | Page |                          | Quantity |
|       |                                                                                              | GL      | IL | EX.L            |       |        |                    |                  |      |                          |          |
|       | Item No. 4 :- Excavation for foundation / pipe trenches in soft                              |         |    |                 |       |        |                    |                  |      |                          |          |
|       | (a) For Lift 0 to 1.5m                                                                       | 1       |    |                 | 0.785 | 10.240 | 0.000              | 0.000            |      | 4.823                    | 4.823    |
|       | (b) For Lift 1.5m to 3.0m                                                                    | 1       |    |                 | 0.785 | 10.240 | 0.000              | 0.000            |      | 41.691                   | 41.691   |
|       | (c) For Lift 3.0m to 4.5m                                                                    | 1       |    |                 | 0.785 | 10.240 | 0.750              | 6.029            |      | 21.181                   | 27.210   |
|       | ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete |         |    |                 |       |        |                    |                  |      |                          |          |
|       | (b) For Lift 1.5m to 3.0m                                                                    | 1       |    |                 | 0.785 | 10.240 | 0.000              | 0.000            |      | 4.019                    | 4.019    |
|       | (c) For Lift 3.0m to 4.5m                                                                    | 1       |    |                 | 0.785 | 10.240 | 0.000              | 0.000            |      | 6.350                    | 6.350    |
|       | Item No. 11 Transportation of earth Transportation charges                                   |         |    |                 |       |        |                    | 13.191           |      | 89.256                   | 102.447  |
|       | Item No. 30 :- Refilling the excavated trenches ...                                          |         |    |                 |       |        |                    |                  |      |                          |          |
|       | Total Excavation=                                                                            |         |    |                 |       |        |                    | 34.163           |      |                          |          |
|       | Deduction                                                                                    |         |    |                 |       |        |                    |                  |      |                          |          |
|       | Brick work                                                                                   | 1       |    | 0.785           | 2.280 | 2.280  | 2.000              | 8.161            |      |                          |          |
|       |                                                                                              | 1       |    | 0.785           | 1.540 | 1.540  | 2.000              | 3.723            |      |                          |          |
|       | PCC                                                                                          | 1       |    | 0.785           | 2.580 | 2.580  | 0.250              | 1.306            |      |                          |          |
|       | Soling                                                                                       | 1       |    | 0.785           | 2.580 | 2.580  | 0.000              | 0.000            |      |                          |          |
|       |                                                                                              |         |    |                 |       |        |                    | 13.191           |      |                          |          |
|       |                                                                                              |         |    | Net Qty = A - B |       |        |                    | 20.972           |      | 140.263                  | 161.235  |



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## Measurement Book

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP DN pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aaragabad City.

Book No. :-

063

Page No. :-

1

Branch at Police Mess Manhole

### 9th R A BILL MEASUREMENTS

Branch Sewer at "Police Mess "

Item No. 23:- Providing and constructing on sewer BBM manhole 1.5 m dia at bottom and 0.5 m dia at top and up to a depth of 2 to 5.0 M

| Sr.No. | Reference (MB no. & Page no.) | Chainage | MH No | MTL     | IL      | Depth | Depth Difference than 5 m | Total Difference | Rebate/Add for Excess height (per 50 cm) |
|--------|-------------------------------|----------|-------|---------|---------|-------|---------------------------|------------------|------------------------------------------|
| 1      |                               | CH5.65   | PM1   | 586.810 | 583.655 | 3.15  | -1.85                     | -10.23           | -20.460                                  |
| 2      |                               | CH46.95  | PM2   | 587.710 | 584.260 | 3.45  | -1.55                     |                  |                                          |
| 3      |                               | CH63.25  | PM3   | 587.985 | 584.795 | 3.19  | -1.81                     |                  |                                          |
| 4      |                               | CH97.05  | PM4   | 588.645 | 585.420 | 3.23  | -1.77                     |                  |                                          |
| 5      |                               | CH120.85 | PM5   | 589.290 | 585.750 | 3.54  | -1.46                     |                  |                                          |
| 6      |                               | CH154.65 | PM6   | 590.440 | 586.230 | 4.21  | -0.79                     |                  |                                          |
| 7      |                               | CH188.45 | PM7   | 590.960 | 586.960 | 4.00  | -1.00                     |                  |                                          |



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Work:- Development of Underground Sewerage Collection system for Zone I to VI  
and Zone Salim Ali Constructing, Erecting, Testing and Commissioning of Sewage Treatment  
Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth  
Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission  
of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward  
No. 98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main  
and 150 mm dia pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to  
and for Aurangabad City.

Name of Agency:- M/s Khilari Infrastructure Pvt.Ltd. & GECPL (Joint Venture)

Branch at Police Mess Extra Work

**9th R A BILL MEASUREMENTS**  
**Branch Sewer at "Police Mess "**

| Obstacles Removing/Breaking and Reconstruction |                                                                                            |      |     |        |       |        |          |
|------------------------------------------------|--------------------------------------------------------------------------------------------|------|-----|--------|-------|--------|----------|
| Sr. No.                                        | Description                                                                                | Unit | No. | Length | Width | Height | Quantity |
| A                                              | Extra item no.-5. a) Providing Rubble Soling in 15 to 20cm thk Layer<br>CC at S.P. Bunglow | Cum  | 1   | 8.00   | 1.20  | 0.20   | 1.920    |
| B                                              | Extra item no.-5. b) Providing & casting M 15 Grade Concrete<br>CC at S.P. Bunglow         | Cum  | 1   | 8.00   | 3.40  | 0.12   | 3.264    |



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main

No. :-  
No. :-

073

Branch at Police Mess Quantity Node Abstract

9th R A BILL MEASUREMENTS

Branch Sewer at "Police Mess"

| Branch Sewer at "Police Mess" |             |       |         |         |         |         |         |         |        |         |        |         |        |        |         |         |                  |                  |                  |           |           |         |        |        |                   |                   |        |
|-------------------------------|-------------|-------|---------|---------|---------|---------|---------|---------|--------|---------|--------|---------|--------|--------|---------|---------|------------------|------------------|------------------|-----------|-----------|---------|--------|--------|-------------------|-------------------|--------|
| SR NO                         | Description | MB/PG | ITEM 1  |         |         | ITEM 2  |         |         | ITEM 4 |         |        | ITEM 5  |        |        | ITEM 7  | ITEM 11 | ITEM 15<br>400mm | ITEM 17<br>400mm | ITEM 23<br>2-5 m | ITEM 23.1 |           | ITEM 30 | EIRL 5 |        | EIRL 9.3<br>300mm | EIRL 9.4<br>300mm |        |
|                               |             |       | 0-1.5   | 1.5-3.0 | 3.0-4.5 | 0-1.5   | 1.5-3.0 | 3.0-4.5 | 0-1.5  | 1.5-3.0 | 3-4.5  | 1.5-3.0 | 3-4.5  | a      |         |         |                  |                  |                  | b         |           |         |        |        |                   |                   |        |
| 1                             | For Pipe    |       | 189.477 | 48.659  | 2.468   | 260.640 | 162.236 | 21.701  | 23.385 | 147.009 | 65.897 | 14.008  | 6.427  | 36.310 | 65.998  | 92.500  | 92.500           |                  |                  |           |           |         |        | 1.920  | 3.264             | 87.500            | 87.500 |
| 2                             | For Manhole |       | 66.533  | 25.237  | 3.256   | 42.755  | 34.251  | 7.666   | 4.823  | 41.691  | 27.210 | 4.019   | 6.350  |        | 102.447 |         |                  |                  | 7.000            | (20.460)  | 161.235   |         |        |        |                   |                   |        |
| Total                         |             |       | 256.011 | 74.896  | 5.724   | 303.395 | 196.487 | 29.267  | 28.208 | 188.700 | 93.107 | 18.027  | 12.778 | 36.310 | 168.416 | 92.500  | 92.500           |                  | 7.000            | (20.460)  | 1,038.175 | 1.920   | 3.264  | 87.500 | 87.500            |                   |        |



Authorized Signatory

PNC



CLIENT

By Engineer

By Engineer

Total up to Date

10



Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main 200mm dia pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City

Book No. :-

Page No. :- 071

Name of Agency:- M/s Khilari Infrastructure Pvt.Ltd. & GECPL (Joint Vencture)

Azad Chowk Botni Garden Meas. DWC 200mm

### 9th R A BILL MEASURMENTS DWC PIPE AZAD CHOWK BOTNI GARDEN

| Date | Particulars of work                                                                             | DETAILS |         |         |       |       |       | Content of arrears | Last measurement |          | Total Upto Date Quantity |
|------|-------------------------------------------------------------------------------------------------|---------|---------|---------|-------|-------|-------|--------------------|------------------|----------|--------------------------|
|      |                                                                                                 | GL      | No IL   | EX.L    | L     | B     | D     |                    | Page             | Quantity |                          |
|      | DWC - 200mm Dia                                                                                 |         |         |         |       |       |       |                    |                  |          |                          |
|      | Width of Trench -                                                                               |         |         |         |       |       |       |                    |                  |          |                          |
|      | For Lift 0 to 1.50m-<br>0.200+0.5=0.700m                                                        |         |         |         |       |       |       |                    |                  |          |                          |
|      | For Lift 1.5 to 3.00m-<br>0.200+0.5+0.4=1.100m                                                  |         |         |         |       |       |       |                    |                  |          |                          |
|      | For Lift 3.0 to 4.5m-<br>0.200+0.5+0.4+0.4=1.500m                                               |         |         |         |       |       |       |                    |                  |          |                          |
|      | AB 01 TO AB 01/01                                                                               |         |         |         |       |       |       |                    |                  |          |                          |
|      | CH36.10                                                                                         | 592.850 | 591.595 | 591.495 |       |       | 1.355 | 1.253              |                  |          |                          |
|      | CH39.10                                                                                         | 592.765 | 591.715 | 591.615 |       |       | 1.150 |                    |                  |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |         |       |       |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 1.0   | 0.660 | 1.253 | 0.827              |                  | 0.000    | 0.827                    |
|      | Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)                     | 1       |         |         | 1.6   | 0.660 | 0.100 | 0.106              |                  | 0.000    | 0.106                    |
|      | Item No. : 11 Transportation of earth Transportation charges including loading &                |         |         |         |       |       |       | 0.138              |                  | 0.000    | 0.138                    |
|      | Extra Item No. 9.6 :-<br>(b)Lowering & Laying of PVC pipe of 160mm Dia                          | 1       |         |         | 2.10  |       |       | 2.100              |                  | 0.000    | 2.100                    |
|      | Item No. 30 :- Refilling the excavated trenches ...                                             |         |         |         |       |       |       |                    |                  |          |                          |
|      | Total Excavation=                                                                               |         |         |         |       |       |       | 0.827              |                  |          |                          |
|      | Deduction of 160mm dia pipe                                                                     |         |         |         |       |       |       |                    |                  |          |                          |
|      | pipe area                                                                                       | 1.000   |         | 0.785   | 1.600 | 0.160 | 0.160 | 0.032              |                  |          |                          |
|      | siding                                                                                          |         |         |         |       |       |       | 0.000              |                  |          |                          |
|      | PCC                                                                                             |         |         |         |       |       |       | 0.000              |                  |          |                          |
|      | Murrum bedding                                                                                  |         |         |         |       |       |       | 0.106              |                  |          |                          |
|      |                                                                                                 |         |         |         |       |       |       | 0.138              |                  |          |                          |
|      | Net Qty = A - B                                                                                 |         |         |         |       |       |       | 0.689              |                  | 0.000    | 0.689                    |
|      | AB 06 TO AB 06/01                                                                               |         |         |         |       |       |       |                    |                  |          |                          |
|      | CH36.60                                                                                         | 592.455 | 591.615 | 591.515 |       |       | 0.940 | 0.895              |                  |          |                          |
|      | CH39.90                                                                                         | 592.485 | 591.735 | 591.635 |       |       | 0.850 |                    |                  |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |         |         |         |       |       |       |                    |                  |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1       |         |         | 1.3   | 0.700 | 0.895 | 0.814              |                  | 0.827    | 1.641                    |
|      | Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)                     | 1       |         |         | 1.9   | 0.700 | 0.100 | 0.133              |                  | 0.106    | 0.239                    |
|      | Item No. : 11 Transportation of earth Transportation charges                                    |         |         |         |       |       |       | 0.193              |                  | 0.138    | 0.330                    |
|      | Item No. 13 :- (b)Lowering & Laying of DWC pipe of 200mm dia                                    | 1       |         |         | 2.40  |       |       | 2.400              |                  | 0.000    | 2.400                    |



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Authority No. AMC/Ward B&C/LHDSCMT2004/004 Date: 01.07.2014

Azad Chowk Botni Garden Meas. DWC 200mm

p to  
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Just

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main CIP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :-  
Page No. 073

Name of Agency:- M/s Khilari Infrastructure Pvt.Ltd. & GECPL (Joint Venture)

Azad Chowk Botni Garden 300mm-MB

**9th R A BILL MEASUREMENTS**  
**AZAD CHOWK BOTNI GARDEN**

| AZAD CHOWK BOTINI GARDEN |                                                                                                      |         |         |         |       |       |                 |                  |        |               |          |
|--------------------------|------------------------------------------------------------------------------------------------------|---------|---------|---------|-------|-------|-----------------|------------------|--------|---------------|----------|
| Date                     | Particulars of work                                                                                  | DETAILS |         |         |       |       | Content of area | Last measurement |        | TOTAL TO DATE |          |
|                          |                                                                                                      | No      |         |         | L     | B     |                 | D                | Page   |               | Quantity |
|                          |                                                                                                      | GL      | IL      | EX.L    |       |       |                 |                  |        |               |          |
|                          | 300mm Dia                                                                                            |         |         |         |       |       |                 |                  |        |               |          |
|                          | Width of Trench -                                                                                    |         |         |         |       |       |                 |                  |        |               |          |
|                          | For Bottom Lift 0.00-1.50m-<br>$(1.2+0.20+0.05+0.5)=0.96m$                                           |         |         |         |       |       |                 |                  |        |               |          |
|                          | For Bottom Lift 1.50m-3.00m-<br>$(1.2+0.20+0.05+0.5+0.4)=1.36m$                                      |         |         |         |       |       |                 |                  |        |               |          |
|                          | For Bottom Lift 3.00m-4.50m-<br>$(1.2+0.20+0.05+0.5+0.4+0.4)=1.76m$                                  |         |         |         |       |       |                 |                  |        |               |          |
|                          | CD 1 (26) to AB 01                                                                                   |         |         |         |       |       |                 |                  |        |               |          |
|                          | CR 10                                                                                                | 592.525 | 590.400 | 590.200 |       |       | 2.33            | 2.470            |        |               |          |
|                          | CR 16.10                                                                                             | 592.850 | 590.435 | 590.235 |       |       | 2.62            |                  |        |               |          |
|                          | Item No. 1 - Excavation for foundation/pipe trenches in all types of soil & soft murum etc           |         |         |         |       |       |                 |                  |        |               |          |
|                          | (a) For Lift 0 to 1.5m                                                                               | 1       |         |         | 33.44 | 1.360 | 1.150           | 52.300           | 1.641  | 53.941        |          |
|                          | (b) For Lift 1.5m to 3.0m                                                                            | 1       |         |         | 33.44 | 0.960 | 0.970           | 31.139           | 0.000  | 31.139        |          |
|                          | Item No. 2 - Excavation for foundation/pipe trenches in Hard murum etc complete.                     |         |         |         |       |       |                 |                  |        |               |          |
|                          | (a) For Lift 0 to 1.5m                                                                               | 1       |         |         | 33.44 | 1.360 | 0.250           | 11.370           | 0.000  | 11.370        |          |
|                          | Item No. 4- Excavation for foundation/pipe trenches in soft rock etc complete.                       |         |         |         |       |       |                 |                  |        |               |          |
|                          | (a) For Lift 0 to 1.5m                                                                               | 1       |         |         | 33.44 | 1.360 | 0.100           | 4.548            | 0.000  | 4.548         |          |
|                          | Item No. 7 - Filling in plinth and floors/ trenches etc complete (bedding)                           | 1       |         |         | 33.44 | 0.960 | 0.200           | 6.420            | 0.239  | 6.659         |          |
|                          | Item No. - 11 Transportation of earth Transportation charges including                               |         |         |         |       |       |                 | 10.211           | 0.330  | 10.541        |          |
|                          | Extra Item No.94- Lowering & Laying RIL NPS class pipe of 300mm Dia                                  | 1       |         |         | 35.0  |       |                 | 35.000           | 0.000  | 35.000        |          |
|                          | Item No 20 - Refilling the excavated trenches                                                        |         |         |         |       |       |                 |                  |        |               |          |
|                          | Total Excavation = A                                                                                 |         |         |         |       |       |                 | 99.357           |        |               |          |
|                          | Deduction                                                                                            |         |         |         |       |       |                 |                  |        |               |          |
|                          | pipe area                                                                                            | 1       |         | 0.785   | 33.44 | 0.380 | 0.380           | 3.791            |        |               |          |
|                          | filling                                                                                              |         |         |         |       |       |                 | 0.000            |        |               |          |
|                          | RIL                                                                                                  |         |         |         |       |       |                 | 0.000            |        |               |          |
|                          | Murum bedding                                                                                        |         |         |         |       |       |                 | 6.420            |        |               |          |
|                          | Total = B                                                                                            |         |         |         |       |       |                 | 10.211           |        |               |          |
|                          | Net Qty = A - B                                                                                      |         |         |         |       |       |                 | 89.146           | 1.311  | 90.457        |          |
|                          | CD 10 to AB 02                                                                                       |         |         |         |       |       |                 |                  |        |               |          |
|                          | CR 16.10                                                                                             | 592.850 | 590.435 | 590.235 |       |       | 2.62            | 2.538            |        |               |          |
|                          | CR 17.20                                                                                             | 592.705 | 590.445 | 590.245 |       |       | 2.46            |                  |        |               |          |
|                          | Item No. 1 - Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete. |         |         |         |       |       |                 |                  |        |               |          |
|                          | (a) For Lift 0 to 1.5m                                                                               | 1       |         |         | 8.44  | 1.360 | 1.500           | 17.218           | 53.941 | 71.159        |          |
|                          | (b) For Lift 1.5m to 3.0m                                                                            | 1       |         |         | 8.44  | 0.960 | 1.038           | 8.406            | 31.139 | 39.546        |          |
|                          | Item No. 7 - Filling in plinth and floors/ trenches etc complete (bedding)                           | 1       |         |         | 8.44  | 0.960 | 0.200           | 1.620            | 6.659  | 8.280         |          |
|                          | Item No. - 11 Transportation of earth Transportation charges                                         |         |         |         |       |       |                 | 2.577            | 10.541 | 13.119        |          |



*Jan*



Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/IM pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

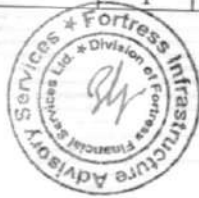
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Azad Chowk Botni Garden 300mm-MB

| Date | Particulars of work                                                                                   | DETAILS |         |         |       |       |       | Content of area | Last measurment |          | TOTAL TO DATE |
|------|-------------------------------------------------------------------------------------------------------|---------|---------|---------|-------|-------|-------|-----------------|-----------------|----------|---------------|
|      |                                                                                                       | GL      | No IL   | EX.L    | L     | B     | D     |                 | Page            | Quantity |               |
|      | Extra item No.9.4- Lowering & Laying RCC NP3 class pipe of 300mm Dia                                  | 1       |         |         | 10.0  |       |       | 10.000          |                 | 35.000   | 45.000        |
|      | Item No 30 :- Refilling the excavated trenches ...                                                    |         |         |         |       |       |       |                 |                 |          |               |
|      | Total Excavation = A                                                                                  |         |         |         |       |       |       | 25.624          |                 |          |               |
|      | Deduction                                                                                             |         |         |         |       |       |       |                 |                 |          |               |
|      | pipe area                                                                                             | 1       |         | 0.785   | 8.44  | 0.380 | 0.380 | 0.957           |                 |          |               |
|      | soling                                                                                                |         |         |         |       |       |       | 0.000           |                 |          |               |
|      | PCC                                                                                                   |         |         |         |       |       |       | 0.000           |                 |          |               |
|      | Murum bedding                                                                                         |         |         |         |       |       |       | 1.620           |                 |          |               |
|      | Total = B                                                                                             |         |         |         |       |       |       | 2.577           |                 |          |               |
|      | Net Qty = A - B                                                                                       |         |         |         |       |       |       | 23.047          |                 | 90.457   | 113.503       |
|      | AB 02 to AB 03                                                                                        |         |         |         |       |       |       |                 |                 |          |               |
|      | CH47.20                                                                                               | 592.705 | 590.445 | 590.245 |       |       | 2.46  | 2.430           |                 |          |               |
|      | CH60.80                                                                                               | 592.755 | 590.555 | 590.355 |       |       | 2.40  |                 |                 |          |               |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete. |         |         |         |       |       |       |                 |                 |          |               |
|      | (a) For Lift 0 to 1.5m                                                                                | 1       |         |         | 10.94 | 1.360 | 1.500 | 22.318          |                 | 71.159   | 93.476        |
|      | (b) For Lift 1.5m to 3.0m                                                                             | 1       |         |         | 10.94 | 0.960 | 0.930 | 9.767           |                 | 39.546   | 49.313        |
|      | Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)                           | 1       |         |         | 10.94 | 0.960 | 0.200 | 2.100           |                 | 8.280    | 10.380        |
|      | Item No. : 11 Transportation of earth Transportation charges                                          |         |         |         |       |       |       | 3.341           |                 | 13.119   | 16.459        |
|      | Extra item No.9.4- Lowering & Laying RCC NP3 class pipe of 300mm Dia                                  | 1       |         |         | 12.5  |       |       | 12.500          |                 | 45.000   | 57.500        |
|      | Item No 30 :- Refilling the excavated trenches ...                                                    |         |         |         |       |       |       |                 |                 |          |               |
|      | Total Excavation = A                                                                                  |         |         |         |       |       |       | 32.085          |                 |          |               |
|      | Deduction                                                                                             |         |         |         |       |       |       |                 |                 |          |               |
|      | pipe area                                                                                             | 1       |         | 0.785   | 10.94 | 0.380 | 0.380 | 1.240           |                 |          |               |
|      | soling                                                                                                |         |         |         |       |       |       | 0.000           |                 |          |               |
|      | PCC                                                                                                   |         |         |         |       |       |       | 0.000           |                 |          |               |
|      | Murum bedding                                                                                         |         |         |         |       |       |       | 2.100           |                 |          |               |
|      | Total = B                                                                                             |         |         |         |       |       |       | 3.341           |                 |          |               |
|      | Net Qty = A - B                                                                                       |         |         |         |       |       |       | 28.744          |                 | 113.503  | 142.247       |
|      | AB 03 to AB 04                                                                                        |         |         |         |       |       |       |                 |                 |          |               |
|      | CH60.80                                                                                               | 592.755 | 590.555 | 590.355 |       |       | 2.40  | 2.325           |                 |          |               |
|      | CH71.90                                                                                               | 592.675 | 590.625 | 590.425 |       |       | 2.25  |                 |                 |          |               |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete. |         |         |         |       |       |       |                 |                 |          |               |
|      | (a) For Lift 0 to 1.5m                                                                                | 1       |         |         | 8.44  | 1.360 | 1.500 | 17.218          |                 | 93.476   | 110.694       |
|      | (b) For Lift 1.5m to 3.0m                                                                             | 1       |         |         | 8.44  | 0.960 | 0.825 | 6.684           |                 | 49.313   | 55.997        |
|      | Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)                           | 1       |         |         | 8.44  | 0.960 | 0.200 | 1.620           |                 | 10.380   | 12.001        |
|      | Item No. : 11 Transportation of earth Transportation charges                                          |         |         |         |       |       |       | 2.577           |                 | 16.459   | 19.036        |
|      | Extra item No.9.4- Lowering & Laying RCC NP3 class pipe of 300mm Dia                                  | 1       |         |         | 10.0  |       |       | 10.000          |                 | 57.500   | 67.500        |
|      | Item No 30 :- Refilling the excavated trenches ...                                                    |         |         |         |       |       |       |                 |                 |          |               |
|      | Total Excavation = A                                                                                  |         |         |         |       |       |       | 23.902          |                 |          |               |
|      | Deduction                                                                                             |         |         |         |       |       |       |                 |                 |          |               |
|      | pipe area                                                                                             | 1       |         | 0.785   | 8.44  | 0.380 | 0.380 | 0.957           |                 |          |               |



for

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main CIP/CL pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

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Azad Chowk Botni Garden 300mm-MB

| Date | Particulars of work                                                                                   | DETAILS         |         |         |       |       |       | Content of area | Last measurment |          | TOTAL TO DATE |
|------|-------------------------------------------------------------------------------------------------------|-----------------|---------|---------|-------|-------|-------|-----------------|-----------------|----------|---------------|
|      |                                                                                                       | No              |         |         | L     | B     | D     |                 | Page            | Quantity |               |
|      |                                                                                                       | GL              | IL      | EX.L    |       |       |       |                 |                 |          |               |
|      | soiling                                                                                               |                 |         |         |       |       |       | 0.000           |                 |          |               |
|      | PCC                                                                                                   |                 |         |         |       |       |       | 0.000           |                 |          |               |
|      | Murum bedding                                                                                         |                 |         |         |       |       |       | 1.620           |                 |          |               |
|      | Total = B                                                                                             |                 |         |         |       |       |       | 2.577           |                 |          |               |
|      |                                                                                                       | Net Qty = A - B |         |         |       |       |       | 21.325          |                 | 142.247  | 163.572       |
|      | AB 04 to AB 05                                                                                        |                 |         |         |       |       |       |                 |                 |          |               |
|      | CH71.00                                                                                               | 592.675         | 590.625 | 590.425 |       |       | 2.25  | 2.115           |                 |          |               |
|      | CH81.00                                                                                               | 592.475         | 590.695 | 590.495 |       |       | 1.98  |                 |                 |          |               |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete. |                 |         |         |       |       |       |                 |                 |          |               |
|      | (a) For Lift 0 to 1.5m                                                                                | 1               |         |         | 8.44  | 1.360 | 1.500 | 17.218          |                 | 110.694  | 127.912       |
|      | (b) For Lift 1.5m to 3.0m                                                                             | 1               |         |         | 8.44  | 0.960 | 0.615 | 4.983           |                 | 55.997   | 60.980        |
|      | Item No. 7 :- Filling in plinth and Slurry trenches etc complete (bedding)                            | 1               |         |         | 8.44  | 0.960 | 0.200 | 1.620           |                 | 12.001   | 13.621        |
|      | Item No. 11 Transportation of earth Transportation charges                                            |                 |         |         |       |       |       | 2.577           |                 | 19.036   | 21.614        |
|      | Extra Item No.9.4- Lowering & Laying RCC WPS class pipe of 300mm Dia                                  | 1               |         |         | 10.0  |       |       | 10.000          |                 | 67.500   | 77.500        |
|      | Item No 30 :- Refilling the excavated trenches                                                        |                 |         |         |       |       |       |                 |                 |          |               |
|      | Total Excavation = A                                                                                  |                 |         |         |       |       |       | 22.201          |                 |          |               |
|      | Deduction                                                                                             |                 |         |         |       |       |       |                 |                 |          |               |
|      | pipe area                                                                                             | 1               |         | 0.785   | 8.44  | 0.380 | 0.380 | 0.957           |                 |          |               |
|      | soiling                                                                                               |                 |         |         |       |       |       | 0.000           |                 |          |               |
|      | PCC                                                                                                   |                 |         |         |       |       |       | 0.000           |                 |          |               |
|      | Murum bedding                                                                                         |                 |         |         |       |       |       | 1.620           |                 |          |               |
|      | Total = B                                                                                             |                 |         |         |       |       |       | 2.577           |                 |          |               |
|      |                                                                                                       | Net Qty = A - B |         |         |       |       |       | 19.623          |                 | 163.572  | 183.196       |
|      | AB 05 to AB 06                                                                                        |                 |         |         |       |       |       |                 |                 |          |               |
|      | CH83.00                                                                                               | 592.475         | 590.695 | 590.495 |       |       | 1.98  | 1.895           |                 |          |               |
|      | CH96.60                                                                                               | 592.455         | 590.845 | 590.645 |       |       | 1.81  |                 |                 |          |               |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete. |                 |         |         |       |       |       |                 |                 |          |               |
|      | (a) For Lift 0 to 1.5m                                                                                | 1               |         |         | 10.94 | 1.360 | 1.500 | 22.318          |                 | 127.912  | 150.229       |
|      | (b) For Lift 1.5m to 3.0m                                                                             | 1               |         |         | 10.94 | 0.960 | 0.395 | 4.148           |                 | 60.980   | 65.129        |
|      | Item No. 7 :- Filling in plinth and Slurry trenches etc complete (bedding)                            | 1               |         |         | 10.94 | 0.960 | 0.200 | 2.100           |                 | 13.621   | 15.721        |
|      | Item No. 11 Transportation of earth Transportation charges                                            |                 |         |         |       |       |       | 3.341           |                 | 21.614   | 24.954        |
|      | Extra Item No.9.4- Lowering & Laying RCC WPS class pipe of 300mm Dia                                  | 1               |         |         | 12.5  |       |       | 12.500          |                 | 77.500   | 90.000        |
|      | Item No 30 :- Refilling the excavated trenches                                                        |                 |         |         |       |       |       |                 |                 |          |               |
|      | Total Excavation = A                                                                                  |                 |         |         |       |       |       | 26.466          |                 |          |               |
|      | Deduction                                                                                             |                 |         |         |       |       |       |                 |                 |          |               |
|      | pipe area                                                                                             | 1               |         | 0.785   | 10.94 | 0.380 | 0.380 | 1.240           |                 |          |               |
|      | soiling                                                                                               |                 |         |         |       |       |       | 0.000           |                 |          |               |
|      | PCC                                                                                                   |                 |         |         |       |       |       | 0.000           |                 |          |               |
|      | Murum bedding                                                                                         |                 |         |         |       |       |       | 2.100           |                 |          |               |
|      | Total = B                                                                                             |                 |         |         |       |       |       | 3.341           |                 |          |               |
|      |                                                                                                       | Net Qty = A - B |         |         |       |       |       | 23.125          |                 | 183.196  | 206.321       |
|      | AB 06 to AB 07                                                                                        |                 |         |         |       |       |       |                 |                 |          |               |
|      | CH96.60                                                                                               | 592.455         | 590.845 | 590.645 |       |       | 1.81  | 1.545           |                 |          |               |
|      | CH122.55                                                                                              | 592.875         | 590.995 | 590.795 |       |       | 1.28  |                 |                 |          |               |



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP-111 pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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Azad Chowk Botni Garden 300mm-MB

| Date | Particulars of work                                                                                   | DETAILS |         |         |       |       |       | Content of area | Last measurement |          | TOTAL TO DATE |
|------|-------------------------------------------------------------------------------------------------------|---------|---------|---------|-------|-------|-------|-----------------|------------------|----------|---------------|
|      |                                                                                                       | GL      | No IL   | EX.L    | L     | B     | D     |                 | Page             | Quantity |               |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete. |         |         |         |       |       |       |                 |                  |          |               |
|      | (a) For Lift 0 to 1.5m                                                                                | 1       |         |         | 23.62 | 1.360 | 1.500 | 48.185          |                  | 150.229  | 198.414       |
|      | (b) For Lift 1.5m to 3.0m                                                                             | 1       |         |         | 23.62 | 0.960 | 0.045 | 1.020           |                  | 65.129   | 66.149        |
|      | Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)                           | 1       |         |         | 23.62 | 0.960 | 0.200 | 4.535           |                  | 15.721   | 20.257        |
|      | Item No. : 11 Transportation of earth Transportation charges                                          |         |         |         |       |       |       | 7.212           |                  | 24.954   | 32.167        |
|      | Extra item No.9.4- Lowering & Laying RCC NP3 class pipe of 300mm Dia                                  | 1       |         |         | 25.0  |       |       | 25.000          |                  | 90.000   | 115.000       |
|      | Item No 30 :- Refilling the excavated trenches ...                                                    |         |         |         |       |       |       |                 |                  |          |               |
|      | Total Excavation = A                                                                                  |         |         |         |       |       |       | 49.205          |                  |          |               |
|      | Deduction                                                                                             |         |         |         |       |       |       |                 |                  |          |               |
|      | pipe area                                                                                             | 1       |         | 0.785   | 23.62 | 0.380 | 0.380 | 2.677           |                  |          |               |
|      | soling                                                                                                |         |         |         |       |       |       | 0.000           |                  |          |               |
|      | PCC                                                                                                   |         |         |         |       |       |       | 0.000           |                  |          |               |
|      | Murum bedding                                                                                         |         |         |         |       |       |       | 4.535           |                  |          |               |
|      | Total = B                                                                                             |         |         |         |       |       |       | 7.212           |                  |          |               |
|      | Net Qty = A - B                                                                                       |         |         |         |       |       |       | 41.993          |                  | 206.321  | 248.314       |
|      | AB 07 to AB 08                                                                                        |         |         |         |       |       |       |                 |                  |          |               |
|      | CH122.55                                                                                              | 592.075 | 590.995 | 590.795 |       |       | 1.28  |                 |                  |          |               |
|      | CH128.35                                                                                              | 592.045 | 591.015 | 590.815 |       |       | 1.23  | 1.255           |                  |          |               |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete. |         |         |         |       |       |       |                 |                  |          |               |
|      | (a) For Lift 0 to 1.5m                                                                                | 1       |         |         | 3.80  | 0.960 | 1.255 | 4.578           |                  | 198.414  | 202.992       |
|      | (b) For Lift 1.5m to 3.0m                                                                             | 1       |         |         | 3.80  | 0.960 | 0.000 | 0.000           |                  | 66.149   | 66.149        |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.                     |         |         |         |       |       |       |                 |                  |          |               |
|      | (a) For Lift 0 to 1.5m                                                                                | 1       |         |         | 3.80  | 0.960 | 0.000 | 0.000           |                  | 11.370   | 11.370        |
|      | Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.                       |         |         |         |       |       |       |                 |                  |          |               |
|      | (a) For Lift 0 to 1.5m                                                                                | 1       |         |         | 3.80  | 0.960 | 0.000 | 0.000           |                  | 4.548    | 4.548         |
|      | Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)                           | 1       |         |         | 3.80  | 0.960 | 0.200 | 0.730           |                  | 20.257   | 20.986        |
|      | Item No. : 11 Transportation of earth Transportation charges                                          |         |         |         |       |       |       | 1.160           |                  | 32.167   | 33.327        |
|      | Extra item No.9.4- Lowering & Laying RCC NP3 class pipe of 300mm Dia                                  | 1       |         |         | 5.0   |       |       | 5.000           |                  | 115.000  | 120.000       |
|      | Item No 30 :- Refilling the excavated trenches ...                                                    |         |         |         |       |       |       |                 |                  |          |               |
|      | Total Excavation = A                                                                                  |         |         |         |       |       |       | 4.578           |                  |          |               |
|      | Deduction                                                                                             |         |         |         |       |       |       |                 |                  |          |               |
|      | pipe area                                                                                             | 1       |         | 0.785   | 3.80  | 0.380 | 0.380 | 0.431           |                  |          |               |
|      | soling                                                                                                |         |         |         |       |       |       | 0.000           |                  |          |               |
|      | PCC                                                                                                   |         |         |         |       |       |       | 0.000           |                  |          |               |
|      | Murum bedding                                                                                         |         |         |         |       |       |       | 0.730           |                  |          |               |
|      | Total = B                                                                                             |         |         |         |       |       |       | 1.160           |                  |          |               |
|      | Net Qty = A - B                                                                                       |         |         |         |       |       |       | 3.418           |                  | 248.314  | 251.732       |



Signature



Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GHP III pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aerobic Pond.

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Azad Chowk Botni Garden Chamber Measurement..

**Bill R A BILL MEASUREMENTS OF CHAMBERS AZAD CHOWK BOTNI GARDEN**

| Date    | Particulars of work                                                                                                                             | DETAILS |         |         |       |       |       | Content of area | Last measurement |          | Total Upto Date Quantity |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|-------|-------|-------|-----------------|------------------|----------|--------------------------|
|         |                                                                                                                                                 | GL      | No IL   | EX.L    | L     | B     | D     |                 | Page             | Quantity |                          |
|         | Excavation of Chamber -<br>For 1.20 dia chamber (upto<br>2.10m depth)-<br>1.20*0.50*0.5=2.66m<br>Length for chamber upto<br>2m=2.66*2.66=7.075m |         |         |         |       |       |       |                 |                  |          |                          |
| 18-11   |                                                                                                                                                 |         |         |         |       |       |       |                 |                  |          |                          |
| CH36.10 |                                                                                                                                                 | 592.850 | 590.435 | 590.185 |       |       | 2.665 |                 |                  |          |                          |
|         | Item No. 1 :- Excavation for<br>foundation/pipe trenches in<br>earth soils, Soft murrum etc<br>complete.                                        |         |         |         |       |       |       |                 |                  |          |                          |
|         | (a) For Lift 0 to 1.5m                                                                                                                          | 1       |         |         | 0.785 | 7.075 | 1.150 | 6.387           |                  | 0.000    | 6.387                    |
|         | (b) For Lift 1.5m to 3.0m                                                                                                                       | 1       |         |         | 0.785 | 7.075 | 1.165 | 6.470           |                  | 0.000    | 6.470                    |
|         | Item No. 2 :- Excavation for<br>foundation/pipe trenches in<br>Hard murrum etc complete.                                                        |         |         |         |       |       |       |                 |                  |          |                          |
|         | (a) For Lift 0 to 1.5m                                                                                                                          | 1       |         |         | 0.785 | 7.075 | 0.250 | 1.388           |                  | 0.000    | 1.388                    |
|         | Item No. 4 :- Excavation for<br>foundation/pipe trenches in<br>soft rock etc complete.                                                          |         |         |         |       |       |       |                 |                  |          |                          |
|         | (a) For Lift 0 to 1.5m                                                                                                                          | 1       |         |         | 0.785 | 7.075 | 0.100 | 0.555           |                  | 0.000    | 0.555                    |
|         | Item No. : 11 Transportation of<br>earth Transportation charges<br>including loading & unloading                                                |         |         |         |       |       |       | 4.007           |                  | 0.000    | 4.007                    |
|         | Item No. 30 :- Refilling the<br>excavated trenches ...                                                                                          |         |         |         |       |       |       |                 |                  |          |                          |
|         | Total Excavation(A)=                                                                                                                            |         |         |         |       |       |       | 14.801          |                  |          |                          |
|         | Deduction                                                                                                                                       |         |         |         |       |       |       |                 |                  |          |                          |
|         | Brick work                                                                                                                                      | 1.00    |         | 0.785   | 1.31  | 1.31  | 2.415 | 3.25            |                  |          |                          |
|         | Plaster                                                                                                                                         |         |         |         |       |       |       | 0.00            |                  |          |                          |
|         | PCC                                                                                                                                             | 1.00    |         | 0.785   | 1.96  | 1.96  | 0.25  | 0.75            |                  |          |                          |
|         | Murrum bedding                                                                                                                                  |         |         |         |       |       |       | 0.00            |                  |          |                          |
|         | Total (B)                                                                                                                                       |         |         |         |       |       |       | 4.01            |                  |          |                          |
|         | Net Qty = A - B                                                                                                                                 |         |         |         |       |       |       | 10.79           |                  | 0.000    | 10.79                    |
| 18-11   |                                                                                                                                                 |         |         |         |       |       |       |                 |                  |          |                          |
| CH47.20 |                                                                                                                                                 | 592.705 | 590.445 | 590.195 |       |       | 2.510 |                 |                  |          |                          |
|         | Item No. 1 :- Excavation for<br>foundation/pipe trenches in<br>earth soils, Soft murrum etc<br>complete.                                        |         |         |         |       |       |       |                 |                  |          |                          |
|         | (a) For Lift 0 to 1.5m                                                                                                                          | 1       |         |         | 0.785 | 7.075 | 1.500 | 8.331           |                  | 6.387    | 14.718                   |
|         | (b) For Lift 1.5m to 3.0m                                                                                                                       | 1       |         |         | 0.785 | 7.075 | 1.010 | 5.609           |                  | 6.470    | 12.080                   |
|         | Item No. : 11 Transportation of<br>earth Transportation charges                                                                                 |         |         |         |       |       |       | 3.798           |                  | 4.007    | 7.806                    |
|         | Item No. 30 :- Refilling the<br>excavated trenches ...                                                                                          |         |         |         |       |       |       |                 |                  |          |                          |
|         | Total Excavation(A)=                                                                                                                            |         |         |         |       |       |       | 13.940          |                  |          |                          |
|         | Deduction                                                                                                                                       |         |         |         |       |       |       |                 |                  |          |                          |
|         | Brick work                                                                                                                                      | 1.00    |         | 0.785   | 1.31  | 1.31  | 2.260 | 3.04            |                  |          |                          |



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Azad Chowk Botni Garden Chamber Measurement..

| Date | Particulars of work                                                                            | DETAILS |         |         |       |       |       | Content of area | Last measurment |          | Total Upto Date Quantity |
|------|------------------------------------------------------------------------------------------------|---------|---------|---------|-------|-------|-------|-----------------|-----------------|----------|--------------------------|
|      |                                                                                                | GL      | No      |         | L     | B     | D     |                 | Page            | Quantity |                          |
|      |                                                                                                |         | IL      | EX.L    |       |       |       |                 |                 |          |                          |
|      | soling                                                                                         |         |         |         |       |       |       | 0.00            |                 |          |                          |
|      | PCC                                                                                            | 1.00    |         | 0.785   | 1.96  | 1.96  | 0.25  | 0.75            |                 |          |                          |
|      | Murum bedding                                                                                  |         |         |         |       |       |       | 0.00            |                 |          |                          |
|      | Total (B)                                                                                      |         |         |         |       |       |       | 3.80            |                 |          |                          |
|      | Net Qty = A - B                                                                                |         |         |         |       |       |       | 10.14           |                 | 10.794   | 20.94                    |
|      | AB 03                                                                                          |         |         |         |       |       |       |                 |                 |          |                          |
|      | CH60.80                                                                                        | 592.755 | 590.555 | 590.305 |       |       | 2.450 |                 |                 |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete. |         |         |         |       |       |       |                 |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                         | 1       |         |         | 0.785 | 7.075 | 1.500 | 8.331           |                 | 14.718   | 23.049                   |
|      | (b) For Lift 1.5m to 3.0m                                                                      | 1       |         |         | 0.785 | 7.075 | 0.950 | 5.276           |                 | 12.080   | 17.356                   |
|      | Item No. : 11 Transportation of earth Transportation charges                                   |         |         |         |       |       |       | 3.718           |                 | 7.806    | 11.523                   |
|      | Item No. 30 :- Refilling the excavated trenches ...                                            |         |         |         |       |       |       |                 |                 |          |                          |
|      | Total Excavation(A)=                                                                           |         |         |         |       |       |       | 13.607          |                 |          |                          |
|      | Deduction                                                                                      |         |         |         |       |       |       |                 |                 |          |                          |
|      | Brick work                                                                                     | 1.00    |         | 0.785   | 1.31  | 1.31  | 2.200 | 2.96            |                 |          |                          |
|      | soling                                                                                         |         |         |         |       |       |       | 0.00            |                 |          |                          |
|      | PCC                                                                                            | 1.00    |         | 0.785   | 1.96  | 1.96  | 0.25  | 0.75            |                 |          |                          |
|      | Murum bedding                                                                                  |         |         |         |       |       |       | 0.00            |                 |          |                          |
|      | Total (B)                                                                                      |         |         |         |       |       |       | 3.72            |                 |          |                          |
|      | Net Qty = A - B                                                                                |         |         |         |       |       |       | 9.89            |                 | 20.936   | 30.82                    |
|      | AB 04                                                                                          |         |         |         |       |       |       |                 |                 |          |                          |
|      | CH71.90                                                                                        | 592.675 | 590.625 | 590.375 |       |       | 2.300 |                 |                 |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete. |         |         |         |       |       |       |                 |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                         | 1       |         |         | 0.785 | 7.075 | 1.500 | 8.331           |                 | 23.049   | 31.379                   |
|      | (b) For Lift 1.5m to 3.0m                                                                      | 1       |         |         | 0.785 | 7.075 | 0.800 | 4.443           |                 | 17.356   | 21.799                   |
|      | Item No. : 11 Transportation of earth Transportation charges                                   |         |         |         |       |       |       | 3.516           |                 | 11.523   | 15.039                   |
|      | Item No. 30 :- Refilling the excavated trenches ...                                            |         |         |         |       |       |       |                 |                 |          |                          |
|      | Total Excavation(A)=                                                                           |         |         |         |       |       |       | 12.774          |                 |          |                          |
|      | Deduction                                                                                      |         |         |         |       |       |       |                 |                 |          |                          |
|      | Brick work                                                                                     | 1.00    |         | 0.785   | 1.31  | 1.31  | 2.050 | 2.76            |                 |          |                          |
|      | soling                                                                                         |         |         |         |       |       |       | 0.00            |                 |          |                          |
|      | PCC                                                                                            | 1.00    |         | 0.785   | 1.96  | 1.96  | 0.25  | 0.75            |                 |          |                          |
|      | Murum bedding                                                                                  |         |         |         |       |       |       | 0.00            |                 |          |                          |
|      | Total (B)                                                                                      |         |         |         |       |       |       | 3.52            |                 |          |                          |
|      | Net Qty = A - B                                                                                |         |         |         |       |       |       | 9.26            |                 | 30.825   | 40.08                    |
|      | AB 05                                                                                          |         |         |         |       |       |       |                 |                 |          |                          |
|      | CH83.00                                                                                        | 592.475 | 590.695 | 590.445 |       |       | 2.030 |                 |                 |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete. |         |         |         |       |       |       |                 |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                         | 1       |         |         | 0.785 | 7.075 | 1.500 | 8.331           |                 | 31.379   | 39.710                   |
|      | (b) For Lift 1.5m to 3.0m                                                                      | 1       |         |         | 0.785 | 7.075 | 0.530 | 2.944           |                 | 21.799   | 24.743                   |



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main

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Azad Chowk Botni Garden Chamber Measurement..

| Date | Particulars of work                                                                            | DETAILS |         |         |       |       |       | Content of area | Last measurment |          | Total Upto Date Quantity |
|------|------------------------------------------------------------------------------------------------|---------|---------|---------|-------|-------|-------|-----------------|-----------------|----------|--------------------------|
|      |                                                                                                | GL      | No IL   | EX.L    | L     | B     | D     |                 | Page            | Quantity |                          |
|      | Item No. : 11 Transportation of earth Transportation charges                                   |         |         |         |       |       |       | 3.152           |                 | 15.039   | 18.191                   |
|      | Item No. 30 :- Refilling the excavated trenches ...                                            |         |         |         |       |       |       |                 |                 |          |                          |
|      | Total Excavation(A)=                                                                           |         |         |         |       |       |       | 11.274          |                 |          |                          |
|      | Deduction                                                                                      |         |         |         |       |       |       |                 |                 |          |                          |
|      | Brick work                                                                                     | 1.00    |         | 0.785   | 1.31  | 1.31  | 1.780 | 2.40            |                 |          |                          |
|      | soling                                                                                         |         |         |         |       |       |       | 0.00            |                 |          |                          |
|      | PCC                                                                                            | 1.00    |         | 0.785   | 1.96  | 1.96  | 0.25  | 0.75            |                 |          |                          |
|      | Murum bedding                                                                                  |         |         |         |       |       |       | 0.00            |                 |          |                          |
|      | Total (B)                                                                                      |         |         |         |       |       |       | 3.15            |                 |          |                          |
|      | Net Qty = A - B                                                                                |         |         |         |       |       |       | 8.12            |                 | 40.083   | 48.21                    |
|      | AB 06                                                                                          |         |         |         |       |       |       |                 |                 |          |                          |
|      | CH96.60                                                                                        | 592.455 | 590.845 | 590.595 |       |       | 1.860 |                 |                 |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete. |         |         |         |       |       |       |                 |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                         | 1       |         |         | 0.785 | 7.075 | 1.500 | 8.331           |                 | 39.710   | 48.041                   |
|      | (b) For Lift 1.5m to 3.0m                                                                      | 1       |         |         | 0.785 | 7.075 | 0.360 | 1.999           |                 | 24.743   | 26.742                   |
|      | Item No. : 11 Transportation of earth Transportation charges                                   |         |         |         |       |       |       | 2.923           |                 | 18.191   | 21.113                   |
|      | Item No. 30 :- Refilling the excavated trenches ...                                            |         |         |         |       |       |       |                 |                 |          |                          |
|      | Total Excavation(A)=                                                                           |         |         |         |       |       |       | 10.330          |                 |          |                          |
|      | Deduction                                                                                      |         |         |         |       |       |       |                 |                 |          |                          |
|      | Brick work                                                                                     | 1.00    |         | 0.785   | 1.31  | 1.31  | 1.610 | 2.17            |                 |          |                          |
|      | soling                                                                                         |         |         |         |       |       |       | 0.00            |                 |          |                          |
|      | PCC                                                                                            | 1.00    |         | 0.785   | 1.96  | 1.96  | 0.25  | 0.75            |                 |          |                          |
|      | Murum bedding                                                                                  |         |         |         |       |       |       | 0.00            |                 |          |                          |
|      | Total (B)                                                                                      |         |         |         |       |       |       | 2.92            |                 |          |                          |
|      | Net Qty = A - B                                                                                |         |         |         |       |       |       | 7.41            |                 | 48.206   | 55.61                    |
|      | AB 07                                                                                          |         |         |         |       |       |       |                 |                 |          |                          |
|      | CH122.55                                                                                       | 592.075 | 590.995 | 590.745 |       |       | 1.330 |                 |                 |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete. |         |         |         |       |       |       |                 |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                         | 1       |         |         | 0.785 | 4.000 | 1.330 | 4.176           |                 | 48.041   | 52.217                   |
|      | Item No. : 11 Transportation of earth Transportation charges                                   |         |         |         |       |       |       | 1.618           |                 | 21.113   | 22.732                   |
|      | Item No. 30 :- Refilling the excavated trenches ...                                            |         |         |         |       |       |       |                 |                 |          |                          |
|      | Total Excavation(A)=                                                                           |         |         |         |       |       |       | 4.176           |                 |          |                          |
|      | Deduction                                                                                      |         |         |         |       |       |       |                 |                 |          |                          |
|      | Brick work                                                                                     | 1.00    |         | 0.785   | 1.16  | 1.16  | 1.080 | 1.14            |                 |          |                          |
|      | soling                                                                                         |         |         |         |       |       |       | 0.00            |                 |          |                          |
|      | PCC                                                                                            | 1.00    |         | 0.785   | 1.56  | 1.56  | 0.25  | 0.48            |                 |          |                          |
|      | Murum bedding                                                                                  |         |         |         |       |       |       | 0.00            |                 |          |                          |
|      | Total (B)                                                                                      |         |         |         |       |       |       | 1.62            |                 |          |                          |
|      | Net Qty = A - B                                                                                |         |         |         |       |       |       | 2.56            |                 | 55.613   | 58.17                    |
|      | AB 08                                                                                          |         |         |         |       |       |       |                 |                 |          |                          |



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Azad Chowk Botni Garden Chamber Measurement..

| Date | Particulars of work                                                                             | DETAILS         |         |         |       |       |       | Content of area | Last measurment |          | Total Upto Date Quantity |
|------|-------------------------------------------------------------------------------------------------|-----------------|---------|---------|-------|-------|-------|-----------------|-----------------|----------|--------------------------|
|      |                                                                                                 | No              |         |         | L     | B     | D     |                 | Page            | Quantity |                          |
|      |                                                                                                 | GL              | IL      | EX.L    |       |       |       |                 |                 |          |                          |
|      | CH128.35                                                                                        | 592.045         | 591.015 | 590.765 |       |       | 1.280 |                 |                 |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |                 |         |         |       |       |       |                 |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1               |         |         | 0.785 | 4.000 | 1.280 | 4.019           |                 | 52.217   | 56.236                   |
|      | Item No. : 11 Transportation of earth Transportation charges                                    |                 |         |         |       |       |       | 1.566           |                 | 22.732   | 24.297                   |
|      | Item No. 30 :- Refilling the excavated trenches ...                                             |                 |         |         |       |       |       |                 |                 |          |                          |
|      | Total Excavation(A)=                                                                            |                 |         |         |       |       |       | 4.019           |                 |          |                          |
|      | Deduction                                                                                       |                 |         |         |       |       |       |                 |                 |          |                          |
|      | Brick work                                                                                      | 1.00            |         | 0.785   | 1.16  | 1.16  | 1.030 | 1.09            |                 |          |                          |
|      | soling                                                                                          |                 |         |         |       |       |       | 0.00            |                 |          |                          |
|      | PCC                                                                                             | 1.00            |         | 0.785   | 1.56  | 1.56  | 0.25  | 0.48            |                 |          |                          |
|      | Murrum bedding                                                                                  |                 |         |         |       |       |       | 0.00            |                 |          |                          |
|      | Total (B)                                                                                       |                 |         |         |       |       |       | 1.57            |                 |          |                          |
|      |                                                                                                 | Net Qty = A - B |         |         |       |       |       | 2.45            |                 | 58.171   | 60.62                    |
|      | AB 01/01                                                                                        |                 |         |         |       |       |       |                 |                 |          |                          |
|      | CH39.10                                                                                         | 592.765         | 591.715 | 591.465 |       |       | 1.300 |                 |                 |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |                 |         |         |       |       |       |                 |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1               |         |         | 2.000 | 1.700 | 1.300 | 4.420           |                 | 56.236   | 60.656                   |
|      | Item No. : 11 Transportation of earth Transportation charges                                    |                 |         |         |       |       |       | 2.137           |                 | 24.297   | 26.434                   |
|      | Item No. 30 :- Refilling the excavated trenches ...                                             |                 |         |         |       |       |       |                 |                 |          |                          |
|      | Total Excavation(A)=                                                                            |                 |         |         |       |       |       | 4.420           |                 |          |                          |
|      | Deduction                                                                                       |                 |         |         |       |       |       |                 |                 |          |                          |
|      | Brick work                                                                                      | 1.00            |         |         | 1.40  | 1.10  | 1.050 | 1.62            |                 |          |                          |
|      | soling                                                                                          |                 |         |         |       |       |       | 0.00            |                 |          |                          |
|      | PCC                                                                                             | 1.00            |         |         | 1.6   | 1.30  | 0.25  | 0.52            |                 |          |                          |
|      | Murrum bedding                                                                                  |                 |         |         |       |       |       | 0.00            |                 |          |                          |
|      | Total (B)                                                                                       |                 |         |         |       |       |       | 2.14            |                 |          |                          |
|      |                                                                                                 | Net Qty = A - B |         |         |       |       |       | 2.28            |                 | 60.625   | 62.91                    |
|      | AB 06/01                                                                                        |                 |         |         |       |       |       |                 |                 |          |                          |
|      | CH99.90                                                                                         | 592.485         | 591.735 | 591.485 |       |       | 1.000 |                 |                 |          |                          |
|      | Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. |                 |         |         |       |       |       |                 |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1               |         |         | 2.000 | 1.700 | 1.000 | 3.400           |                 | 60.656   | 64.056                   |
|      | (b) For Lift 1.5m to 3.0m                                                                       | 1               |         |         | 2.000 | 1.700 | 0.000 | 0.000           |                 | 26.742   | 26.742                   |
|      | Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.              |                 |         |         |       |       |       |                 |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                                                          | 1               |         |         | 2.000 | 1.700 | 0.000 | 0.000           |                 | 1.388    | 1.388                    |
|      | Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.                |                 |         |         |       |       |       |                 |                 |          |                          |



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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Azad Chowk Botni Garden Chamber Measurement..

| Date | Particulars of work                                          | DETAILS |    |      |       |       |       | Content of area | Last measurment |          | Total Upto Date Quantity |
|------|--------------------------------------------------------------|---------|----|------|-------|-------|-------|-----------------|-----------------|----------|--------------------------|
|      |                                                              | No      |    |      | L     | B     | D     |                 | Page            | Quantity |                          |
|      |                                                              | GL      | IL | EX.L |       |       |       |                 |                 |          |                          |
|      | (a) For Lift 0 to 1.5m                                       | 1       |    |      | 2.000 | 1.700 | 0.000 | 0.000           |                 | 0.555    | 0.555                    |
|      | Item No. : 11 Transportation of earth Transportation charges |         |    |      |       |       |       | 1.675           |                 | 26.434   | 28.109                   |
|      | Item No. 30 :- Refilling the excavated trenches ...          |         |    |      |       |       |       |                 |                 |          |                          |
|      | Total Excavation(A)=                                         |         |    |      |       |       |       | 3.400           |                 |          |                          |
|      | Deduction                                                    |         |    |      |       |       |       |                 |                 |          |                          |
|      | Brick work                                                   | 1.00    |    |      | 1.40  | 1.10  | 0.750 | 1.16            |                 |          |                          |
|      | soling                                                       |         |    |      |       |       |       | 0.00            |                 |          |                          |
|      | PCC                                                          | 1.00    |    |      | 1.6   | 1.30  | 0.25  | 0.52            |                 |          |                          |
|      | Murum bedding                                                |         |    |      |       |       |       | 0.00            |                 |          |                          |
|      | Total (B)                                                    |         |    |      |       |       |       | 1.68            |                 |          |                          |
|      | Net Qty = A - B                                              |         |    |      |       |       |       | 1.73            |                 | 62.908   | 64.63                    |



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRPDI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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Azad Chowk Botni Garden CHEMBER

### 9th R A BILL MEASURMENTS CHEMBER DETAILS

| SR NO | CHEMBER NUMBER                                                                                                                                                 | DETAILS |         |       | Rebate up to<br>Depth of 2.0 mtr |        | Total<br>Rebate Qty<br>for 50 cm |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|-------|----------------------------------|--------|----------------------------------|
|       |                                                                                                                                                                | No      |         |       | For per 50 cm                    |        |                                  |
|       |                                                                                                                                                                | GL      | IL      | DEPTH |                                  |        |                                  |
| A     | Item No. 21 : Providing and constructing on sewer.BBM manhole 1.2 m dia at bottom and 0.5 m dia at top and up to a depth of 2.0 M etc., complete               |         |         |       |                                  |        |                                  |
|       | AZAD CHOWK BOTNI GARDEN                                                                                                                                        |         |         |       |                                  |        |                                  |
| 1     | AB 01                                                                                                                                                          | 592.850 | 590.435 | 2.415 | 2.000                            | 0.415  | 0.63                             |
| 2     | AB 02                                                                                                                                                          | 592.705 | 590.445 | 2.260 | 2.000                            | 0.260  |                                  |
| 3     | AB 03                                                                                                                                                          | 592.755 | 590.555 | 2.200 | 2.000                            | 0.200  |                                  |
| 4     | AB 04                                                                                                                                                          | 592.675 | 590.625 | 2.050 | 2.000                            | 0.050  |                                  |
| 5     | AB 05                                                                                                                                                          | 592.475 | 590.695 | 1.780 | 2.000                            | -0.220 |                                  |
| 6     | AB 06                                                                                                                                                          | 592.455 | 590.845 | 1.610 | 2.000                            | -0.390 |                                  |
|       | TOTAL                                                                                                                                                          |         |         |       |                                  | 0.315  | 0.63                             |
|       |                                                                                                                                                                |         |         |       |                                  |        |                                  |
| SR NO | CHEMBER NUMBER                                                                                                                                                 | DETAILS |         |       | Rebate up to<br>Depth of 1.5 mtr |        | Total<br>Rebate Qty<br>for 30 cm |
|       |                                                                                                                                                                | No      |         |       | For per 30 cm                    |        |                                  |
|       |                                                                                                                                                                | GL      | IL      | DEPTH |                                  |        |                                  |
| B     | Extra Item No. 02 : Providing and constructing on sewer.BBM manhole 0.9 m dia at bottom and 0.5 m dia at top and up to a depth of 1.5 M etc., complete         |         |         |       |                                  |        |                                  |
|       | AZAD CHOWK BOTNI GARDEN                                                                                                                                        |         |         |       |                                  |        |                                  |
| 1     | AB 07                                                                                                                                                          | 592.075 | 590.995 | 1.080 | 1.500                            | -0.420 | -2.97                            |
| 2     | AB 08                                                                                                                                                          | 592.045 | 591.015 | 1.030 | 1.500                            | -0.470 |                                  |
|       | TOTAL                                                                                                                                                          |         |         |       |                                  | -0.890 | -2.97                            |
|       |                                                                                                                                                                |         |         |       |                                  |        |                                  |
| SR NO | CHEMBER NUMBER                                                                                                                                                 | DETAILS |         |       | Rebate up to<br>Depth of 1.5 mtr |        | Total<br>Rebate Qty<br>for 30 cm |
|       |                                                                                                                                                                | No      |         |       | For per 30 cm                    |        |                                  |
|       |                                                                                                                                                                | GL      | IL      | DEPTH |                                  |        |                                  |
| C     | Extra Item No. 03 : Providing and constructing on sewer.BBM manhole 0.9 m x 0.6 m dia at bottom and 0.5 m dia at top and up to a depth of 1.5 M etc., complete |         |         |       |                                  |        |                                  |
|       | AZAD CHOWK BOTNI GARDEN                                                                                                                                        |         |         |       |                                  |        |                                  |
| 1     | AB 01/01                                                                                                                                                       | 592.765 | 591.715 | 1.050 | 1.500                            | -0.450 | -4.00                            |
| 2     | AB 06/01                                                                                                                                                       | 592.485 | 591.735 | 0.750 | 1.500                            | -0.750 |                                  |
|       | TOTAL                                                                                                                                                          |         |         |       |                                  | -1.200 | -4.00                            |

