

# CONSTRUCTION OF KADESARA KALAN GROUP OF VILLAGES WATER SUPPLY SCHEME

| ID | Task Name   | Duration        | Start               | Finish              | Predecessors  | er   |     |             |     |     |             |     |     |             |     |     |             |
|----|---|-----------------|---------------------|---------------------|---------------|--|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|
|    |   |                 |                     |                     |               | Sep  | Nov | 1st Quarter |     |     | 3rd Quarter |     |     | 1st Quarter |     |     | 3rd Quarter |
|    |   |                 |                     |                     |               | Jan  | Mar | May         | Jul | Sep | Nov         | Jan | Mar | May         | Jul | Sep | Nov         |
| 1  | <b>Construction of Kadesra Kalan Group of Villages Water Supply Scheme, District- Lalitpur, Uttar Pradesh</b> | <b>687 days</b> | <b>Fri 27-11-20</b> | <b>Tue 18-10-22</b> |               | [Gantt Chart showing project timeline from Nov 2020 to Nov 2022] |     |             |     |     |             |     |     |             |     |     |             |
| 2  | LOA   | 1 day           | Fri 27-11-20        | Fri 27-11-20        |               |  |     |             |     |     |             |     |     |             |     |     |             |
| 3  | Agreement Date  | 1 day           | Tue 08-12-20        | Tue 08-12-20        | 2FS+10 days   |  |     |             |     |     |             |     |     |             |     |     |             |
| 4  | Mobilization of staff & office infrastructure   | 222 days        | Sat 19-12-20        | Fri 30-07-21        | 3FS+10 days   |  |     |             |     |     |             |     |     |             |     |     |             |
| 5  | Land Acquisition by client  | 182 days        | Tue 29-12-20        | Wed 30-06-21        | 3FS+20 days   |  |     |             |     |     |             |     |     |             |     |     |             |
| 6  | Geotechnical Investigation  | 65 days         | Fri 29-01-21        | Sat 03-04-21        | 5SS+30 days   |  |     |             |     |     |             |     |     |             |     |     |             |
| 7  | Pipeline Network finilization by client   | 60 days         | Fri 08-01-21        | Tue 09-03-21        | 3FS+30 days   |  |     |             |     |     |             |     |     |             |     |     |             |
| 8  | Detailed Survey Work  | 60 days         | Sun 10-01-21        | Thu 11-03-21        | 7SS+2 days    |  |     |             |     |     |             |     |     |             |     |     |             |
| 9  | <b>Construction of Intake Well of minimum internal size of 6 M Dia &amp; 14 M Clear Depth</b>                 | <b>527 days</b> | <b>Thu 04-02-21</b> | <b>Mon 18-07-22</b> |               |  |     |             |     |     |             |     |     |             |     |     |             |
| 10 | Handing over of encumbrance Free site by client   | 1 day           | Thu 01-07-21        | Thu 01-07-21        | 5             |  |     |             |     |     |             |     |     |             |     |     |             |
| 11 | Submission and approval of design & Drawings  | 177 days        | Thu 04-02-21        | Sat 31-07-21        | 6SS+6 days    |  |     |             |     |     |             |     |     |             |     |     |             |
| 12 | Construction of coffer dam, excavation of foundation and casting of bed concrete.                             | 75 days         | Sun 22-08-21        | Fri 05-11-21        | 11FS+20 days  |  |     |             |     |     |             |     |     |             |     |     |             |
| 13 | Completing foundation and well staning up-to discharge floor level  | 145 days        | Sat 06-11-21        | Wed 30-03-22        | 12            |  |     |             |     |     |             |     |     |             |     |     |             |
| 14 | Construction of R.C.C. approach bridge, approach road and discharge floor                                     | 90 days         | Wed 05-01-22        | Mon 04-04-22        | 13SS+60 days  |  |     |             |     |     |             |     |     |             |     |     |             |
| 15 | Completing pump house up to roof slab with bridge connecting jack well with intake, R.C.C. Duct conduit etc.  | 60 days         | Thu 31-03-22        | Sun 29-05-22        | 13            |  |     |             |     |     |             |     |     |             |     |     |             |
| 16 | Mechanical Works  | 30 days         | Mon 30-05-22        | Tue 28-06-22        | 15            |  |     |             |     |     |             |     |     |             |     |     |             |
| 17 | Electrical Works  | 30 days         | Mon 30-05-22        | Tue 28-06-22        | 15            |  |     |             |     |     |             |     |     |             |     |     |             |
| 18 | Instrumentation works   | 20 days         | Wed 29-06-22        | Mon 18-07-22        | 17            |  |     |             |     |     |             |     |     |             |     |     |             |
| 19 | Finishing Works   | 35 days         | Mon 30-05-22        | Sun 03-07-22        | 15            |  |     |             |     |     |             |     |     |             |     |     |             |
| 20 | <b>Construction of 6MLD Water Treatment Plant</b>   | <b>587 days</b> | <b>Thu 21-01-21</b> | <b>Sat 03-09-22</b> |               |  |     |             |     |     |             |     |     |             |     |     |             |
| 21 | Handing over of encumbrance Free site by client   | 1 day           | Thu 21-01-21        | Thu 21-01-21        | 5SS+23 days   |  |     |             |     |     |             |     |     |             |     |     |             |
| 22 | Submission and approval of design & Drawings for WTP  | 90 days         | Wed 05-05-21        | Mon 02-08-21        | 6FS+30 days   |  |     |             |     |     |             |     |     |             |     |     |             |
| 23 | Construction of cascade aerator/Inlet chamber   | 85 days         | Wed 03-11-21        | Wed 26-01-22        | 22FS+90 days  |  |     |             |     |     |             |     |     |             |     |     |             |
| 24 | Construction of Parshall Flume, Bypas Channel   | 60 days         | Wed 03-11-21        | Sat 01-01-22        | 22FS+90 days  |  |     |             |     |     |             |     |     |             |     |     |             |
| 25 | Construction of Flash Mixer with inlet channel  | 30 days         | Mon 04-10-21        | Tue 02-11-21        | 22FS+60 days  |  |     |             |     |     |             |     |     |             |     |     |             |
| 26 | Construction of Clarrifloculator  | 230 days        | Tue 24-08-21        | Mon 11-04-22        | 22FS+20 days  |  |     |             |     |     |             |     |     |             |     |     |             |
| 27 | Construction of Filter House cum Back wash Tank   | 260 days        | Fri 13-08-21        | Sun 01-05-22        | 22FS+10 days  |  |     |             |     |     |             |     |     |             |     |     |             |
| 28 | Construction of Wash Water Recovery Tank  | 90 days         | Sun 02-01-22        | Fri 01-04-22        | 22FS+150 days |  |     |             |     |     |             |     |     |             |     |     |             |
| 29 | Construction of Administrative buildings with Control room  | 100 days        | Mon 13-09-21        | Wed 22-12-21        | 22FS+40 days  |  |     |             |     |     |             |     |     |             |     |     |             |
| 30 | Recycling Arrangement-Sludge Collection & Disposal , Backwash water disposal                                  | 80 days         | Sun 02-01-22        | Tue 22-03-22        | 22FS+150 days |  |     |             |     |     |             |     |     |             |     |     |             |
| 31 | Construction of Chemical Building   | 80 days         | Mon 04-10-21        | Wed 22-12-21        | 22FS+60 days  |  |     |             |     |     |             |     |     |             |     |     |             |



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|-----------------|--|--------------------|--|-----------------------|--|-------------|
| Task            |  | External Tasks     |  | Manual Task           |  | Finish-only |
| Split           |  | External Milestone |  | Duration-only         |  | Deadline    |
| Milestone       |  | Inactive Task      |  | Manual Summary Rollup |  | Progress    |
| Summary         |  | Inactive Milestone |  | Manual Summary        |  |             |
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## CONSTRUCTION OF KADESARA KALAN GROUP OF VILLAGES WATER SUPPLY SCHEME

| ID | Task Name  | Duration        | Start               | Finish              | Predecessors    | 2nd Quarter |     | 1st Quarter |     |     | 3rd Quarter |     |     | 1st Quarter |     |     | 3rd Quarter |     |     |
|----|--|-----------------|---------------------|---------------------|-----------------|-------------|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|
|    |  |                 |                     |                     |                 | Sep         | Nov | Jan         | Mar | May | Jul         | Sep | Nov | Jan         | Mar | May | Jul         | Sep | Nov |
| 32 | Construction of Chlorinating room  | 80 days         | Mon 04-10-21        | Wed 22-12-21        | 22FS+60 days    |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 33 | Mechanical and Electrical works with Automation  | 60 days         | Sun 22-05-22        | Wed 20-07-22        | 27FS+20 days    |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 34 | Roads work of campus   | 45 days         | Mon 06-06-22        | Wed 20-07-22        | 27FF+80 days    |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 35 | Site development   | 45 days         | Thu 21-07-22        | Sat 03-09-22        | 34              |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 36 | <b>Construction of Clear Water Reservoir cum Pump Ho</b>                               | <b>530 days</b> | <b>Thu 21-01-21</b> | <b>Fri 08-07-22</b> |                 |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 37 | <b>CWR-1 at WTP of 450 KL Capacity cum Pump Hous</b>                                   | <b>530 days</b> | <b>Thu 21-01-21</b> | <b>Fri 08-07-22</b> |                 |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 38 | Handing over of encumbrance Free site by client  | 1 day           | Thu 21-01-21        | Thu 21-01-21        | 5SS+23 days     |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 39 | Submission and approval of design & Drawing for CWR, PH                                | 80 days         | Fri 04-06-21        | Mon 23-08-21        | 6FS+60 days     |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 40 | Construction of foundation and container wall upto GL                                  | 82 days         | Tue 24-08-21        | Sun 14-11-21        | 39              |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 41 | Super structure container wall   | 30 days         | Mon 15-11-21        | Tue 14-12-21        | 40              |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 42 | Roof structure   | 72 days         | Wed 15-12-21        | Thu 24-02-22        | 41              |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 43 | Pipes and fittings   | 30 days         | Fri 25-02-22        | Sat 26-03-22        | 42              |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 44 | Hydrotesting   | 60 days         | Sun 27-03-22        | Wed 25-05-22        | 43              |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 45 | <b>Pump House</b>  | <b>134 days</b> | <b>Fri 25-02-22</b> | <b>Fri 08-07-22</b> |                 |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 46 | columns up to lintel Beams   | 10 days         | Fri 25-02-22        | Sun 06-03-22        | 42              |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 47 | Lintel Beam  | 14 days         | Mon 07-03-22        | Sun 20-03-22        | 46              |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 48 | Columns above lintel beams up to top slab of Pump House                                | 15 days         | Mon 21-03-22        | Mon 04-04-22        | 47              |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 49 | Roof structure   | 20 days         | Tue 05-04-22        | Sun 24-04-22        | 48              |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 50 | Brick Work,including plastering inside & outside                                       | 40 days         | Mon 25-04-22        | Fri 03-06-22        | 49              |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 51 | After completion of rest, works of structure and finishing (Painting, doors, sanitary) | 35 days         | Sat 04-06-22        | Fri 08-07-22        | 50              |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 52 | <b>Delivery &amp; Erection of equipments</b>   | <b>283 days</b> | <b>Thu 23-09-21</b> | <b>Sun 03-07-22</b> |                 |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 53 | Submission& Approval of documents  | 30 days         | Thu 23-09-21        | Sat 23-10-21        | 39FS+30 days    |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 54 | Supply   | 120 days        | Wed 12-01-22        | Wed 11-05-22        | 53FS+80 days    |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 55 | Mechanical Erection  | 30 days         | Sun 15-05-22        | Mon 13-06-22        | 49FS+20 days,54 |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 56 | Electrical Works   | 40 days         | Sun 15-05-22        | Thu 23-06-22        | 49FS+20 days,54 |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 57 | Instrumentation Works  | 10 days         | Fri 24-06-22        | Sun 03-07-22        | 56              |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 58 | <b>CWR-2 of 100 KL Capacity cum Pump House</b>   | <b>380 days</b> | <b>Fri 04-06-21</b> | <b>Mon 20-06-22</b> |                 |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 59 | Handing over of encumbrance Free site by client  | 1 day           | Tue 29-06-21        | Tue 29-06-21        | 5SS+180 days    |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 60 | Submission and approval of design & Drawing for CWR, PH                                | 60 days         | Fri 04-06-21        | Mon 02-08-21        | 6FS+60 days     |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 61 | Construction of foundation and container wall upto GL                                  | 50 days         | Tue 03-08-21        | Wed 22-09-21        | 60              |             |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 62 | Super structure container wall   | 18 days         | Thu 23-09-21        | Mon 11-10-21        | 61              |             |     |             |     |     |             |     |     |             |     |     |             |     |     |



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|-----------------|--|--------------------|--|-----------------------|--|-------------|
| Task            |  | External Tasks     |  | Manual Task           |  | Finish-only |
| Split           |  | External Milestone |  | Duration-only         |  | Deadline    |
| Milestone       |  | Inactive Task      |  | Manual Summary Rollup |  | Progress    |
| Summary         |  | Inactive Milestone |  | Manual Summary        |  |             |
| Project Summary |  | Inactive Summary   |  | Start-only            |  |             |

## CONSTRUCTION OF KADESARA KALAN GROUP OF VILLAGES WATER SUPPLY SCHEME

| ID | Task Name  | Duration        | Start               | Finish              | Predecessors    | er  |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
|----|--|-----------------|---------------------|---------------------|-----------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|--|--|--|--|--|--|
|    |  |                 |                     |                     |                 | Sep | Nov | 1st Quarter |     |     | 3rd Quarter |     |     | 1st Quarter |     |     | 3rd Quarter |  |  |  |  |  |  |
|    |  |                 |                     |                     |                 | Jan | Mar | May         | Jul | Sep | Nov         | Jan | Mar | May         | Jul | Sep | Nov         |  |  |  |  |  |  |
| 63 | Roof structure   | 30 days         | Tue 12-10-21        | Wed 10-11-21        | 62              |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 64 | Pipes and fittings   | 20 days         | Thu 11-11-21        | Tue 30-11-21        | 63              |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 65 | Hydrotesting   | 60 days         | Wed 01-12-21        | Sat 29-01-22        | 64              |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 66 | <b>Pump House</b>  | <b>116 days</b> | <b>Thu 11-11-21</b> | <b>Sun 06-03-22</b> |                 |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 67 | columns up to lintel Beams   | 10 days         | Thu 11-11-21        | Sat 20-11-21        | 63              |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 68 | Lintel Beam  | 12 days         | Sun 21-11-21        | Thu 02-12-21        | 67              |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 69 | Columns above lintel beams up to top slab of Pump House                                | 14 days         | Fri 03-12-21        | Thu 16-12-21        | 68              |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 70 | Roof structure   | 20 days         | Fri 17-12-21        | Wed 05-01-22        | 69              |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 71 | Brick Work,including plastering inside & outside                                       | 30 days         | Thu 06-01-22        | Fri 04-02-22        | 70              |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 72 | After completion of rest, works of structure and finishing (Painting, doors, sanitary) | 30 days         | Sat 05-02-22        | Sun 06-03-22        | 71              |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 73 | <b>Delivery &amp; Erection of equipments</b>   | <b>290 days</b> | <b>Fri 03-09-21</b> | <b>Mon 20-06-22</b> |                 |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 74 | Submission& Approval of documents  | 30 days         | Fri 03-09-21        | Sun 03-10-21        | 60FS+30 days    |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 75 | Supply   | 120 days        | Sun 02-01-22        | Sun 01-05-22        | 74FS+90 days    |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 76 | Mechanical Erection  | 25 days         | Mon 02-05-22        | Thu 26-05-22        | 70FS+20 days,75 |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 77 | Electrical Works   | 30 days         | Mon 02-05-22        | Tue 31-05-22        | 70FS+20 days,75 |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 78 | Instrumentation Works  | 20 days         | Wed 01-06-22        | Mon 20-06-22        | 77              |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 79 | <b>Construction of RCC OHT</b>   | <b>592 days</b> | <b>Thu 21-01-21</b> | <b>Thu 08-09-22</b> |                 |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 80 | <b>250 KL, 20 m staging</b>  | <b>517 days</b> | <b>Thu 21-01-21</b> | <b>Sat 25-06-22</b> |                 |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 81 | Handing over of encumbrance Free site by client  | 1 day           | Thu 21-01-21        | Thu 21-01-21        | 5SS+23 days     |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 82 | Submission and approval of design & Drawing for OHT                                    | 45 days         | Mon 14-06-21        | Wed 28-07-21        | 6FS+70 days     |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 83 | Construction of foundation columns upto GL   | 45 days         | Thu 29-07-21        | Sun 12-09-21        | 82              |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 84 | Columns upto staging including staircase   | 90 days         | Mon 13-09-21        | Sun 12-12-21        | 83              |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 85 | Ring beam/bottom dome/conical dome with balcony  | 50 days         | Mon 13-12-21        | Mon 31-01-22        | 84              |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 86 | Container wall   | 25 days         | Tue 01-02-22        | Fri 25-02-22        | 85              |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 87 | Roof dome  | 30 days         | Sat 26-02-22        | Sun 27-03-22        | 86              |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 88 | Pipes and fittings   | 30 days         | Mon 28-03-22        | Tue 26-04-22        | 87              |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 89 | All other finishing works (Grinding,painting,Fixing of lightning arrester)             | 40 days         | Mon 28-03-22        | Fri 06-05-22        | 87              |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 90 | Hydrotesting   | 60 days         | Wed 27-04-22        | Sat 25-06-22        | 88              |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 91 | <b>600 KL, 22 m staging</b>  | <b>475 days</b> | <b>Thu 20-05-21</b> | <b>Thu 08-09-22</b> |                 |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 92 | Handing over of encumbrance Free site by client  | 1 day           | Tue 29-06-21        | Tue 29-06-21        | 5SS+180 days    |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |
| 93 | Submission and approval of design & Drawing for OHT                                    | 55 days         | Thu 20-05-21        | Tue 13-07-21        | 6FS+45 days     |     |     |             |     |     |             |     |     |             |     |     |             |  |  |  |  |  |  |



|                 |  |                    |  |                       |  |             |  |
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| Split           |  | External Milestone |  | Duration-only         |  | Deadline    |  |
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## CONSTRUCTION OF KADESARA KALAN GROUP OF VILLAGES WATER SUPPLY SCHEME

| ID  | Task Name  | Duration        | Start               | Finish              | Predecessors | er  |     | 1st Quarter |     |     | 3rd Quarter |     |     | 1st Quarter |     |     | 3rd Quarter |     |     |
|-----|--|-----------------|---------------------|---------------------|--------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|
|     |  |                 |                     |                     |              | Sep | Nov | Jan         | Mar | May | Jul         | Sep | Nov | Jan         | Mar | May | Jul         | Sep | Nov |
| 94  | Construction of foundation columns upto GL                                   | 60 days         | Wed 14-07-21        | Sun 12-09-21        | 93           |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 95  | Columns upto staggig including staircase                                     | 120 days        | Mon 13-09-21        | Tue 11-01-22        | 94           |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 96  | Ring beam/bottom dome/conical dome with balcony                              | 60 days         | Wed 12-01-22        | Sat 12-03-22        | 95           |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 97  | Container wall   | 45 days         | Sun 13-03-22        | Tue 26-04-22        | 96           |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 98  | Roof dome  | 45 days         | Wed 27-04-22        | Fri 10-06-22        | 97           |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 99  | Pipes and fittings   | 30 days         | Sat 11-06-22        | Sun 10-07-22        | 98           |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 100 | All other finishing works<br>(Grinding,painting,Fixing of lightning arrester | 30 days         | Mon 11-07-22        | Tue 09-08-22        | 99           |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 101 | Hydrotesting   | 30 days         | Wed 10-08-22        | Thu 08-09-22        | 100          |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 102 | <b>50 KL, 12 m staging</b>   | <b>369 days</b> | <b>Thu 20-05-21</b> | <b>Wed 25-05-22</b> |              |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 103 | Handing over of encumbrance Free site by client                              | 1 day           | Tue 29-06-21        | Tue 29-06-21        | 5SS+180 days |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 104 | Submission and approval of design & Drawing for OHT                          | 120 days        | Thu 20-05-21        | Fri 17-09-21        | 6FS+45 days  |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 105 | Construction of foundation columns upto GL                                   | 41 days         | Sat 18-09-21        | Fri 29-10-21        | 104          |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 106 | Columns upto staggig including staircase                                     | 55 days         | Sat 30-10-21        | Thu 23-12-21        | 105          |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 107 | Ring beam/bottom dome/conical dome with balcony                              | 30 days         | Fri 24-12-21        | Sat 22-01-22        | 106          |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 108 | Container wall   | 18 days         | Sun 23-01-22        | Wed 09-02-22        | 107          |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 109 | Roof dome  | 20 days         | Thu 10-02-22        | Tue 01-03-22        | 108          |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 110 | Pipes and fittings   | 25 days         | Wed 02-03-22        | Sat 26-03-22        | 109          |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 111 | All other finishing works<br>(Grinding,painting,Fixing of lightning arrester | 20 days         | Wed 02-03-22        | Mon 21-03-22        | 109          |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 112 | Hydrotesting   | 60 days         | Sun 27-03-22        | Wed 25-05-22        | 110          |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 113 | <b>100 KL, 12 m staging</b>  | <b>437 days</b> | <b>Thu 11-02-21</b> | <b>Tue 26-04-22</b> |              |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 114 | Handing over of encumbrance Free site by client                              | 1 day           | Thu 11-02-21        | Thu 11-02-21        | 5SS+43 days  |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 115 | Submission and approval of design & Drawing for OHT                          | 60 days         | Thu 03-06-21        | Sun 01-08-21        | 6FS+59 days  |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 116 | Construction of foundation columns upto GL                                   | 41 days         | Mon 02-08-21        | Sun 12-09-21        | 115          |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 117 | Columns upto staggig including staircase                                     | 60 days         | Mon 13-09-21        | Fri 12-11-21        | 116          |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 118 | Ring beam/bottom dome/conical dome with balcony                              | 30 days         | Sat 13-11-21        | Sun 12-12-21        | 117          |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 119 | Container wall   | 20 days         | Mon 13-12-21        | Sat 01-01-22        | 118          |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 120 | Roof dome  | 25 days         | Sun 02-01-22        | Wed 26-01-22        | 119          |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 121 | Pipes and fittings   | 30 days         | Thu 27-01-22        | Fri 25-02-22        | 120          |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 122 | All other finishing works<br>(Grinding,painting,Fixing of lightning arrester | 20 days         | Thu 27-01-22        | Tue 15-02-22        | 120          |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 123 | Hydrotesting   | 60 days         | Sat 26-02-22        | Tue 26-04-22        | 121          |     |     |             |     |     |             |     |     |             |     |     |             |     |     |
| 124 | <b>Pipeline Works</b>  | <b>612 days</b> | <b>Fri 08-01-21</b> | <b>Thu 15-09-22</b> |              |     |     |             |     |     |             |     |     |             |     |     |             |     |     |



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|                 |  |                    |  |                       |  |             |
|-----------------|--|--------------------|--|-----------------------|--|-------------|
| Task            |  | External Tasks     |  | Manual Task           |  | Finish-only |
| Split           |  | External Milestone |  | Duration-only         |  | Deadline    |
| Milestone       |  | Inactive Task      |  | Manual Summary Rollup |  | Progress    |
| Summary         |  | Inactive Milestone |  | Manual Summary        |  |             |
| Project Summary |  | Inactive Summary   |  | Start-only            |  |             |



# CONSTRUCTION OF KADESARA KALAN GROUP OF VILLAGES WATER SUPPLY SCHEME

| ID  | Task Name  | Duration        | Start               | Finish              | Predecessors       | 1st Quarter |     | 3rd Quarter |     |     | 1st Quarter |     |     | 3rd Quarter |     |     |     |
|-----|--|-----------------|---------------------|---------------------|--------------------|-------------|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-----|
|     |  |                 |                     |                     |                    | Sep         | Nov | Jan         | Mar | May | Jul         | Sep | Nov | Jan         | Mar | May | Jul |
| 125 | Route selection & finalisation of survey route by Client / PMC | 60 days         | Fri 08-01-21        | Tue 09-03-21        | 7SS                |             |     |             |     |     |             |     |     |             |     |     |     |
| 126 | Submission & Approval of L section, Design                     | 140 days        | Thu 01-04-21        | Fri 20-08-21        | 8FS+20 days        |             |     |             |     |     |             |     |     |             |     |     |     |
| 127 | Supply & Delivery of DI,HDPE & GI pipes                        | 213 days        | Thu 01-07-21        | Mon 31-01-22        | 126SS+90 days      |             |     |             |     |     |             |     |     |             |     |     |     |
| 128 | Supply & Delivery of Valves including specials                 | 200 days        | Tue 10-08-21        | Sun 27-02-22        | 126SS+130 days     |             |     |             |     |     |             |     |     |             |     |     |     |
| 129 | <b>E/W,Laying &amp; Jointing,H.T of Rising main</b>            | <b>330 days</b> | <b>Mon 11-10-21</b> | <b>Mon 05-09-22</b> |                    |             |     |             |     |     |             |     |     |             |     |     |     |
| 130 | Intake to WTP  | 60 days         | Sun 31-10-21        | Wed 29-12-21        | 126,127SS+120 days |             |     |             |     |     |             |     |     |             |     |     |     |
| 131 | CWR-1 to OHT-1   | 6 days          | Wed 19-01-22        | Mon 24-01-22        | 126,127SS+200 days |             |     |             |     |     |             |     |     |             |     |     |     |
| 132 | CWR-1 to OHT-3   | 80 days         | Mon 11-10-21        | Wed 29-12-21        | 126,127SS+100 days |             |     |             |     |     |             |     |     |             |     |     |     |
| 133 | CWR-1 to CWR-2   | 60 days         | Sun 31-10-21        | Wed 29-12-21        | 126,127SS+120 days |             |     |             |     |     |             |     |     |             |     |     |     |
| 134 | CWR-2 to OHT-2   | 6 days          | Wed 19-01-22        | Mon 24-01-22        | 126,127SS+200 days |             |     |             |     |     |             |     |     |             |     |     |     |
| 135 | CWR-2 to OHT-4   | 80 days         | Mon 11-10-21        | Wed 29-12-21        | 126,127SS+100 days |             |     |             |     |     |             |     |     |             |     |     |     |
| 136 | Hydrotesting   | 160 days        | Thu 10-03-22        | Tue 16-08-22        | 127SS+250 days     |             |     |             |     |     |             |     |     |             |     |     |     |
| 137 | Construction of valve Chambers                                 | 140 days        | Tue 19-04-22        | Mon 05-09-22        | 136SS+40 days      |             |     |             |     |     |             |     |     |             |     |     |     |
| 138 | Construction of Thrust Blocks/Anchor Blocks                    | 120 days        | Mon 09-05-22        | Mon 05-09-22        | 136SS+60 days      |             |     |             |     |     |             |     |     |             |     |     |     |
| 139 | <b>E/W,Laying &amp; Jointing,H.T of Distribution main</b>      | <b>370 days</b> | <b>Fri 10-09-21</b> | <b>Thu 15-09-22</b> |                    |             |     |             |     |     |             |     |     |             |     |     |     |
| 140 | Zone 1   | 200 days        | Wed 19-01-22        | Sat 06-08-22        | 126,127SS+200 days |             |     |             |     |     |             |     |     |             |     |     |     |
| 141 | Zone 2   | 300 days        | Fri 10-09-21        | Thu 07-07-22        | 126,127SS+70 days  |             |     |             |     |     |             |     |     |             |     |     |     |
| 142 | Zone 3   | 60 days         | Wed 19-01-22        | Sat 19-03-22        | 126,127SS+200 days |             |     |             |     |     |             |     |     |             |     |     |     |
| 143 | Zone 4   | 90 days         | Wed 19-01-22        | Mon 18-04-22        | 126,127SS+200 days |             |     |             |     |     |             |     |     |             |     |     |     |
| 144 | Hydrotesting   | 240 days        | Thu 30-12-21        | Fri 26-08-22        | 127SS+180 days     |             |     |             |     |     |             |     |     |             |     |     |     |
| 145 | Construction of valve Chambers                                 | 200 days        | Mon 28-02-22        | Thu 15-09-22        | 144SS+60 days      |             |     |             |     |     |             |     |     |             |     |     |     |
| 146 | Construction of Thrust Blocks/Anchor Blocks                    | 190 days        | Mon 28-02-22        | Mon 05-09-22        | 144SS+60 days      |             |     |             |     |     |             |     |     |             |     |     |     |
| 147 | <b>Construction of Boundarywall at different Locations</b>     | <b>300 days</b> | <b>Sun 28-02-21</b> | <b>Mon 27-12-21</b> |                    |             |     |             |     |     |             |     |     |             |     |     |     |
| 148 | Submission and approval of design & Drawing for Boundry wall   | 30 days         | Sun 28-02-21        | Mon 29-03-21        | 6SS+30 days        |             |     |             |     |     |             |     |     |             |     |     |     |
| 149 | Foundation upto plinth beam                                    | 130 days        | Sat 24-04-21        | Thu 02-09-21        | 148FS+25 days      |             |     |             |     |     |             |     |     |             |     |     |     |
| 150 | Brick Work   | 120 days        | Sun 30-05-21        | Mon 27-09-21        | 148FS+60 days      |             |     |             |     |     |             |     |     |             |     |     |     |
| 151 | Plastering   | 90 days         | Thu 29-07-21        | Thu 28-10-21        | 148FS+120 days     |             |     |             |     |     |             |     |     |             |     |     |     |
| 152 | Fixing of Gate and finishing works                             | 70 days         | Tue 19-10-21        | Mon 27-12-21        | 148FS+200 days     |             |     |             |     |     |             |     |     |             |     |     |     |
| 153 | Painting   | 65 days         | Tue 28-09-21        | Thu 02-12-21        | 148FS+180 days     |             |     |             |     |     |             |     |     |             |     |     |     |
| 154 | <b>Construction of Staff Quarters</b>                          | <b>433 days</b> | <b>Sun 28-02-21</b> | <b>Mon 09-05-22</b> |                    |             |     |             |     |     |             |     |     |             |     |     |     |



|                 |  |                    |  |                       |  |             |
|-----------------|--|--------------------|--|-----------------------|--|-------------|
| Task            |  | External Tasks     |  | Manual Task           |  | Finish-only |
| Split           |  | External Milestone |  | Duration-only         |  | Deadline    |
| Milestone       |  | Inactive Task      |  | Manual Summary Rollup |  | Progress    |
| Summary         |  | Inactive Milestone |  | Manual Summary        |  |             |
| Project Summary |  | Inactive Summary   |  | Start-only            |  |             |

## CONSTRUCTION OF KADESARA KALAN GROUP OF VILLAGES WATER SUPPLY SCHEME

| ID  | Task Name  | Duration        | Start               | Finish              | Predecessors         | 1st Quarter |     |     | 3rd Quarter |     |     | 1st Quarter |     |     | 3rd Quarter |     |     |     |
|-----|--|-----------------|---------------------|---------------------|----------------------|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-------------|-----|-----|-----|
|     |  |                 |                     |                     |                      | Sep         | Nov | Jan | Mar         | May | Jul | Sep         | Nov | Jan | Mar         | May | Jul | Sep |
| 155 | Submission and approval of design & Drawing for Staff Quarters | 30 days         | Sun 28-02-21        | Mon 29-03-21        | 6SS+30 days          |             |     |     |             |     |     |             |     |     |             |     |     |     |
| 156 | <b>Staff Quarters at Intakewell</b>                            | <b>103 days</b> | <b>Thu 27-01-22</b> | <b>Mon 09-05-22</b> |                      |             |     |     |             |     |     |             |     |     |             |     |     |     |
| 157 | Foundation upto plinthlevel                                    | 20 days         | Thu 27-01-22        | Tue 15-02-22        | 155FS+300 day:       |             |     |     |             |     |     |             |     |     |             |     |     |     |
| 158 | Super structure & Wall upto Roof slab                          | 14 days         | Wed 16-02-22        | Tue 01-03-22        | 157                  |             |     |     |             |     |     |             |     |     |             |     |     |     |
| 159 | Roof slab  | 25 days         | Wed 02-03-22        | Sat 26-03-22        | 158                  |             |     |     |             |     |     |             |     |     |             |     |     |     |
| 160 | Finishing of civil works                                       | 30 days         | Sun 27-03-22        | Mon 25-04-22        | 159                  |             |     |     |             |     |     |             |     |     |             |     |     |     |
| 161 | Finishing of Electrical installation                           | 14 days         | Tue 26-04-22        | Mon 09-05-22        | 160                  |             |     |     |             |     |     |             |     |     |             |     |     |     |
| 162 | <b>Staff Quarters at WTP</b>                                   | <b>103 days</b> | <b>Tue 28-12-21</b> | <b>Sat 09-04-22</b> |                      |             |     |     |             |     |     |             |     |     |             |     |     |     |
| 163 | Foundation upto plinthlevel                                    | 20 days         | Tue 28-12-21        | Sun 16-01-22        | 155FS+270 day:       |             |     |     |             |     |     |             |     |     |             |     |     |     |
| 164 | Super structure & Wall upto Roof slab                          | 14 days         | Mon 17-01-22        | Sun 30-01-22        | 163                  |             |     |     |             |     |     |             |     |     |             |     |     |     |
| 165 | Roof slab  | 25 days         | Mon 31-01-22        | Thu 24-02-22        | 164                  |             |     |     |             |     |     |             |     |     |             |     |     |     |
| 166 | Finishing of civil works                                       | 30 days         | Fri 25-02-22        | Sat 26-03-22        | 165                  |             |     |     |             |     |     |             |     |     |             |     |     |     |
| 167 | Finishing of Electrical installation                           | 14 days         | Sun 27-03-22        | Sat 09-04-22        | 166                  |             |     |     |             |     |     |             |     |     |             |     |     |     |
| 168 | <b>Staff Quarters at CWR-2</b>                                 | <b>103 days</b> | <b>Sun 28-11-21</b> | <b>Thu 10-03-22</b> |                      |             |     |     |             |     |     |             |     |     |             |     |     |     |
| 169 | Foundation upto plinthlevel                                    | 20 days         | Sun 28-11-21        | Fri 17-12-21        | 155FS+240 day:       |             |     |     |             |     |     |             |     |     |             |     |     |     |
| 170 | Super structure & Wall upto Roof slab                          | 14 days         | Sat 18-12-21        | Fri 31-12-21        | 169                  |             |     |     |             |     |     |             |     |     |             |     |     |     |
| 171 | Roof slab  | 25 days         | Sat 01-01-22        | Tue 25-01-22        | 170                  |             |     |     |             |     |     |             |     |     |             |     |     |     |
| 172 | Finishing of civil works                                       | 30 days         | Wed 26-01-22        | Thu 24-02-22        | 171                  |             |     |     |             |     |     |             |     |     |             |     |     |     |
| 173 | Finishing of Electrical installation                           | 14 days         | Fri 25-02-22        | Thu 10-03-22        | 172                  |             |     |     |             |     |     |             |     |     |             |     |     |     |
| 174 | <b>House Connections</b>                                       | <b>230 days</b> | <b>Sat 29-01-22</b> | <b>Thu 15-09-22</b> | <b>144SS+30 days</b> |             |     |     |             |     |     |             |     |     |             |     |     |     |
| 175 | <b>PTSP( Pillar type stand post)</b>                           | <b>160 days</b> | <b>Wed 30-03-22</b> | <b>Mon 05-09-22</b> | <b>174SS+60 days</b> |             |     |     |             |     |     |             |     |     |             |     |     |     |
| 176 | <b>Trail Run &amp; Commissioning</b>                           | <b>90 days</b>  | <b>Thu 21-07-22</b> | <b>Tue 18-10-22</b> | <b>33</b>            |             |     |     |             |     |     |             |     |     |             |     |     |     |



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|-----------------|--|--------------------|--|-----------------------|--|-------------|--|
| Task            |  | External Tasks     |  | Manual Task           |  | Finish-only |  |
| Split           |  | External Milestone |  | Duration-only         |  | Deadline    |  |
| Milestone       |  | Inactive Task      |  | Manual Summary Rollup |  | Progress    |  |
| Summary         |  | Inactive Milestone |  | Manual Summary        |  |             |  |
| Project Summary |  | Inactive Summary   |  | Start-only            |  |             |  |