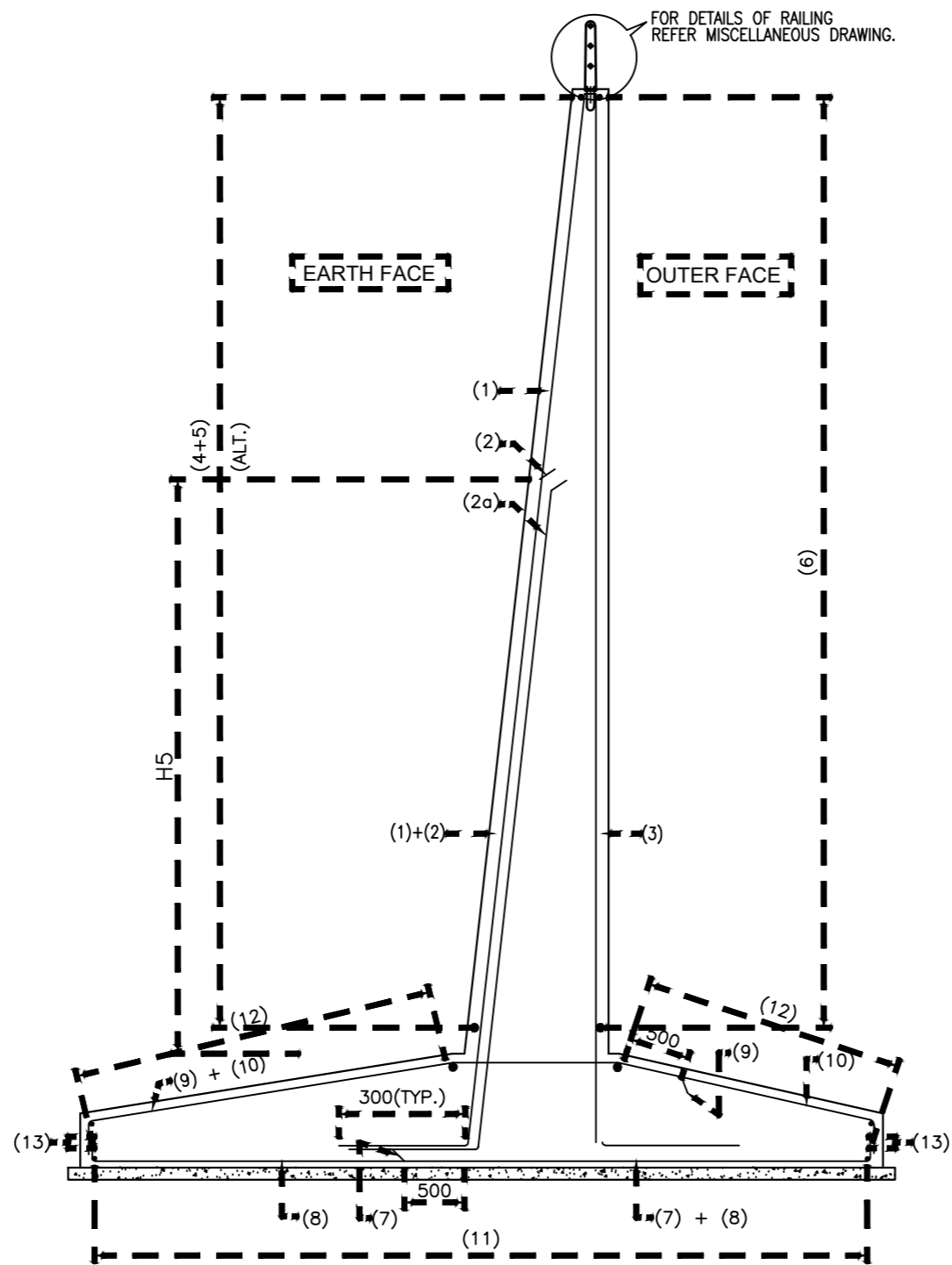


DIMENSION DETAILS



REINFORCEMENT DETAILS

NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS MENTIONED OTHERWISE.
2. NO DIMENSION SHALL BE SCALED FROM THE DRAWING. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
3. CONCRETE SHALL BE DESIGN MIX AND SHALL HAVE MINIMUM 28 DAYS CHARACTERISTIC CUBE STRENGTH OF 150mm. CUBES FOR ALL ELEMENTS OF STRUCTURE AS INDICATED BELLOW-
RCC RETAINING WALL ---M30
LEVELLING COURSE ---M15 (PCC)
4. MINIMUM CLEAR COVER TO ANY REINFORCEMENT SHALL BE 75mm.
5. ALL REINFORCEMENT SHALL BE HIGH YIELD STRENGTH DEFORMED BARS (GRADE DESIGNATION Fe500) CONFORMING TO IS:1786.
6. LAYING, COMPACTION AND EXTENT OF BACKFILL BEHIND WING WALL SHALL CONFORM TO APPENDIX-6 OF IRC:78.
7. DESIGNS ARE VALID ONLY FOR SAFE BEARING CAPACITY SHOWN IN THE TABLE. THIS SHALL BE ASSESSED AT SITE ON CASE TO CASE BASIS BEFORE START OF WORK.
8. AREA OF BARS SPliced AT ANY SECTION SHALL NOT EXCEED 50% OF THE TOTAL AREA OF BARS PROVIDED AT THE SECTION.
9. LAP SPICES OF BARS SHALL CONFORM TO IRC:112.
10. WEEP HOLES OF DIAMETER 100mm. SHALL BE PROVIDED AT SUITABLY STAGGERED SPACING NOT EXCEEDING 1m IN BOTH DIRECTIONS FOR WING WALL.
11. IF BAR TO BAR SPACING BETWEEN BAR MARK ① & ②
⑦ & ⑧, ⑨ & ⑩ IS LESS THEN 75M,THESE BARS SHOULD BE PLACED IN LAYERS.

DIMENSION DETAIL FOR RETAINING WALL

| H1 | H2 | H3 | A0 | A1 | A2 | A3 | H4 (m) | | Gross SBC |
|--------|-------|-------|--------|-------|-------|-------|--------|-------|------------------|
| (m) | (m) | (m) | (m) | (m) | (m) | (m) | min. | max. | t/m ² |
| 4.000 | 0.000 | 0.350 | 3.400 | 0.600 | 0.350 | 2.450 | 1.500 | 1.500 | 15.000 |
| 5.000 | 0.200 | 0.300 | 4.000 | 0.900 | 0.500 | 2.600 | 2.000 | 2.000 | 15.000 |
| 6.000 | 0.300 | 0.300 | 4.700 | 1.200 | 0.600 | 2.900 | 2.000 | 2.000 | 15.000 |
| 7.000 | 0.400 | 0.300 | 5.400 | 1.700 | 0.700 | 3.000 | 2.000 | 2.000 | 15.000 |
| 8.000 | 0.600 | 0.300 | 6.200 | 2.100 | 0.900 | 3.200 | 2.000 | 2.000 | 15.000 |
| 9.000 | 0.600 | 0.300 | 7.000 | 2.700 | 0.900 | 3.400 | 2.000 | 2.000 | 15.000 |
| 10.000 | 0.700 | 0.500 | 7.000 | 2.400 | 1.200 | 3.500 | 2.000 | 2.000 | 20.000 |
| 11.000 | 0.800 | 0.500 | 8.000 | 2.800 | 1.300 | 3.900 | 2.000 | 2.000 | 20.000 |
| 12.500 | 0.900 | 0.800 | 8.300 | 2.800 | 1.700 | 3.800 | 2.500 | 2.500 | 25.000 |
| 13.500 | 1.100 | 0.900 | 9.000 | 3.300 | 2.000 | 3.700 | 2.500 | 2.500 | 25.000 |
| 14.500 | 1.200 | 1.100 | 10.000 | 3.600 | 2.300 | 4.100 | 2.600 | 2.600 | 25.000 |
| 15.500 | 1.450 | 1.300 | 12.200 | 5.000 | 2.750 | 4.450 | 2.950 | 2.950 | 25.000 |
| 16.500 | 1.300 | 1.900 | 12.000 | 4.000 | 3.200 | 4.800 | 3.500 | 3.500 | 30.000 |

REINFORCEMENT DETAIL FOR RETAINING WALL

| HEIGHT | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 11 | | 12 | | 13 | | 2a | | Curtailment H5 (M) |
|--------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|--------------------|
| | Dia | Spacing | Dia | Spacing | Dia | Spacing | Dia | Spacing | Dia | Spacing | Dia | Spacing | Dia | Spacing | Dia | Spacing | Dia | Spacing | Dia | Spacing | Dia | Spacing | Dia | Spacing | Dia | Spacing | Dia | Spacing | |
| 4 | 16 | 210 | 16 | 210 | 10 | 105 | 10 | 150 | — | — | 10 | 150 | 10 | 210 | 10 | 210 | 12 | 210 | 16 | 210 | 10 | 150 | 10 | 150 | 10 | 150 | — | — | NA |
| 5 | 16 | 210 | 16 | 210 | 10 | 105 | 10 | 150 | — | — | 10 | 150 | 10 | 210 | 10 | 210 | 10 | 210 | 16 | 210 | 10 | 150 | 10 | 150 | 10 | 150 | — | — | NA |
| 6 | 20 | 220 | 20 | 220 | 10 | 110 | 10 | 125 | — | — | 10 | 125 | 10 | 220 | 10 | 220 | 12 | 220 | 16 | 220 | 10 | 150 | 10 | 150 | 10 | 150 | — | — | NA |
| 7 | 25 | 210 | 20 | 210 | 12 | 105 | 12 | 150 | — | — | 12 | 150 | 10 | 210 | 12 | 210 | 16 | 210 | 16 | 210 | 10 | 150 | 10 | 150 | 10 | 150 | — | — | NA |
| 8 | 25 | 220 | 25 | 220 | 12 | 110 | 12 | 125 | — | — | 12 | 125 | 12 | 220 | 16 | 220 | 16 | 220 | 20 | 220 | 10 | 150 | 10 | 150 | 10 | 150 | — | — | NA |
| 9 | 32 | 200 | 25 | 200 | 16 | 100 | 16 | 150 | — | — | 16 | 150 | 12 | 200 | 20 | 200 | 16 | 200 | 20 | 200 | 10 | 125 | 10 | 125 | 10 | 150 | — | — | NA |
| 10 | 32 | 200 | 25 | 200 | 16 | 100 | 16 | 150 | — | — | 16 | 150 | 12 | 200 | 16 | 200 | 16 | 200 | 20 | 200 | 10 | 125 | 10 | 125 | 10 | 150 | — | — | NA |
| 11 | 32 | 220 | 32 | 220 | 16 | 110 | 16 | 125 | — | — | 16 | 125 | 12 | 220 | 20 | 220 | 20 | 220 | 20 | 220 | 10 | 125 | 10 | 125 | 10 | 150 | — | — | NA |
| 13 | 32 | 220 | 32 | 220 | 16 | 110 | 16 | 125 | — | — | 16 | 125 | 12 | 220 | 20 | 220 | 20 | 220 | 20 | 220 | 12 | 150 | 12 | 150 | 10 | 150 | — | — | NA |
| 14 | 32 | 220 | 32 | 220 | 16 | 110 | 16 | 125 | — | — | 16 | 125 | 20 | 220 | 20 | 220 | 20 | 220 | 20 | 220 | 12 | 150 | 12 | 150 | 10 | 150 | — | — | NA |
| 15 | 32 | 210 | 32 | 210 | 16 | 105 | 16 | 125 | — | — | 16 | 125 | 20 | 210 | 20 | 210 | 20 | 210 | 20 | 210 | 10 | 125 | 10 | 125 | 10 | 150 | — | — | NA |
| 16 | 32 | 220 | 32 | 220 | 16 | 110 | 16 | 125 | — | — | 16 | 125 | 20 | 220 | 25 | 220 | 20 | 220 | 25 | 220 | 12 | 150 | 12 | 150 | 10 | 150 | — | — | NA |
| 17 | 32 | 220 | 32 | 220 | 20 | 110 | 16 | 125 | — | — | 16 | 125 | 25 | 220 | 25 | 220 | 25 | 220 | 25 | 220 | 12 | 125 | 12 | 125 | 10 | 150 | — | — | NA |

- NOTE
1. ALL DIMENSIONS ARE TO BE READ NOT TO BE MEASURED.
 2. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE NOTED.

FOR TENDER

CLIENT
MAHARASHTRA INDUSTRIAL TOWNSHIP LTD (MITL)

PROJECT
DESIGN, CONSTRUCTION, TESTING, COMMISSIONING AND OPERATION & MAINTENANCE OF INFRASTRUCTURE WORKS AT DIGHI PORT INDUSTRIAL AREA (DPIA)- PHASE 1 UNDER DELHI MUMBAI INDUSTRIAL CORRIDOR (DMIC) ON EPC BASIS

TITLE
DETAILS OF RETAINING WALL

PROJECT CODE: DI1628 | STATUS: ISSUED FOR TENDER | DATE: 18.12.2024
SHEET NO: (84 OF 101) | SCALE: NTS | DWG SIZE: A2 | REV NO: R0
DRAWING NO:
MITL-DPIA-PKG1-RD-103