







AP2 PILE CO-ORDINATES

| LOCATION | RAIL LEVEL | AT GROUND LEVEL | PILE CAP TOP LEVEL | PILE CUT OFF LEVEL | PILE TERMINATION LEVEL | PIER CAP TOP LEVEL |
|----------|---------------|--------------------|-----------------------|-----------------------|------------------------------|-----------------------|
| AP2 | 906.510 | **897.600 | 897.100 | 895.375 | 876.300 | 904.435 |

** RAIL LEVEL TAKEN AS REFERENCE

| | NORMAL TONE (MT) | SEISMIC TONE / WIND (MT) | LENGTH OF PILE | CAPACITY (NORMAL) | |
|---------------------------|---------------------|-----------------------------|-------------------|-------------------|---------|
| MAX. VERTICAL PILE LOAD | 240 | 275 | (m) | VERTICAL | LATERAL |
| MAX. LATERAL LOAD OF PILE | 12 | 22 | 19.0 | 532 T | 90 T |

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|------------|--|---|--|--|--|--|--|---|--|--|--|---|--|-------------------------------------|----------------------------------|--|--|
| NOTES: | | NOTES: | | LEGEND: ----- BOTTOM REINFORCEMENT - - - - - TOP REINFORCEMENT | | REFERENCE DRAWINGS : 022077-BSPR-CR2-C-V-D-GN-BR-20+4001.....GENERAL ARRANGEMENT DRAWING FOR RAIL OVER RAIL OF SPAN 1 x 61m OGW AT BSPR CH. +0+144.506 TO -0+085.106 EXG. ROR NO.533 AT IR KM: 205/548 OF SPAN 6X6.10 M PSC SLAB 022077-BSPR-CR2-C-V-D-GEN-20+4000.....REINFORCEMENT DETAILS OF SUBSTRUCTURE & FOUNDATION OF AP2 FOR PROPOSED RAIL OVER RAIL OF SPAN 1 x 61m OGW AT BSPR CH. +0+144.506 TO -0+085.106 EXG.ROR NO.533 AT IR KM: 205/548 OF SPAN 6X6.10 M PSC SLAB | | REFERENCE DOCUMENTS : DOC-BSPR-CR2-V-D-GDN-WEN-20+3001.....DESIGN CALCULATION FOR ABUTMENT AP2 ROR I BETWEEN CH. -0+144.506 TO CH.-0+085.160 (1x61m) | | KEY PLAN  | | STATION BOX KEY PLAN | | EMPLOYER : DESIGNATION NAME SIGN | | | |
| | | | | | | | | | | | | | | | | | |
| REVISIONS | | CONTRACTOR : | | QUALITY ASSURANCE | | GENERAL CONSULTANTS | | EMPLOYER : | | PROJECT : | | DRAWING TITLE : | | | DRAWING NO. : | | |
| | |  | | The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of Contract provisions in respect of design analysis and drawing rests with Design & Build Contractor. | | CHECKED CIVIL & STRUCTURAL GEO-TECHNICAL | | RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED | | BENGALURU SUBURBAN RAILWAY PROJECT (BSRP) K-RIDE CORRIDOR - 2 | | DIMENSION DETAILS OF SUBSTRUCTURE & FOUNDATION OF AP2 FOR PROPOSED RAIL OVER RAIL OF SPAN 1 x 61m OGW AT BSPR CH. +0+144.506 TO -0+085.106 EXG.ROR NO.533 AT IR KM: 205/548 OF SPAN 6x6.10 msc PSLAB (SHEET 1 OF 2) | | | O22077-BSPR-CR2-C-V-D-GN-20+4003 | | |
| | | DETAILED DESIGN ANALYSIS (DDC) : | | PC Contractor | | SIGN | | GENERAL CONSULTANTS : | | SCALE : | | DATE : | | | REVISION D DWG STATUS D | | |
| | |  | | Indian Institute of Technology Madras HIT P.O., Chennai 600 036 INDIA | | SIGN  DATE 05/07/2024 05/07/2024 05/07/2024 05/07/2024 NAME RAN ADR KVM PREPARED BY CHECKED BY APPROVED BY APPROVED BY ISSUED BY | | NAME DATE | | AS SHOWN PRELIMINARY DWG (P), DEFINITIVE DWG (D), CONSTRUCTION DWG (C), AS BUILT DWG (S), MANUFACTURED DWG (M) SHEET SIZE : A1 | | DATE : 27.11.2023 | | | D D | | |
| REV / DATE | | BRIEF DESCRIPTION | | | | | | | | | | | | | | | |
| C 13.02.24 | | MODIFIED AS PER GO'S LETTER NO. 1362 | | | | | | | | | | | | | | | |
| B 29.12.23 | | MODIFIED AS PER GO'S LETTER NO. 1205 | | | | | | | | | | | | | | | |
| A 27.11.23 | | FOR APPROVAL | | | | | | | | | | | | | | | |

