



- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETERS. LEVELS ARE IN METERS UNLESS OTHERWISE.
  - DIMENSIONS SHALL NOT BE SCALED FROM THE DRAWING. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
  - REINFORCEMENT STEEL SHALL BE HYSD BARS OF GRADE F<sub>450</sub> FOR ALL R.C.C WORKS. DURABILITY REQUIREMENTS FOR CORROSION CONTROL SHALL BE AS PER IRC:112-2011 AS PER TENDER.
  - IF ANY AMBIGUITY IS FOUND IN DRAWINGS OR AT SITE, THE SAME SHALL BE BROUGHT TO DESIGNER'S/ENGINEER'S NOTICE BEFORE EXECUTION.
  - GRADE OF CONCRETE SHALL BE M50.
  - MINIMUM CLEAR COVER TO ANY REINFORCEMENT SHALL BE 50MM FOR PORTAL BEAM.
  - DEVELOPMENT LENGTH SHALL BE AS GIVEN BELOW :
- | GRADE OF CONCRETE  | M35       | M50       |
|--------------------|-----------|-----------|
| DEVELOPMENT LENGTH | 46 $\phi$ | 41 $\phi$ |
- WHERE  $\phi$  IS THE DIA. OF BAR.
- FOR DEVELOPMENT LENGTH CALCULATION OF BUNDLE BAR, EQUIVALENT BAR DIA =  $\phi$  SHALL BE USED. WHERE,  $\phi$ =DIA (MM) OF BAR IN BUNDLE & n=NO OF BARS IN BUNDLE.
  - BENDING OF REINFORCEMENT SHALL CONFIRM TO IS:2502 LATEST REVISION.

- REFERENCE DRAWINGS:-** (LATEST REVISION)
- 022077-BSRP-CR2-C-VD-01-10-1301\_SH-1 TO 7.....GENERAL ARRANGEMENT DRAWING OF BENNIGANAHALLI STATION (ELEVATED)
  - 022077-BSRP-CR2-C-VD-01-20-1328-SH-1 & 2.....DIMENSIONAL DETAILS OF SUBSTRUCTURE FOUNDATION AND REINFORCEMENT OF PILE FOR PORTAL PIERS BPP2 & BPP10 AT BENNIGANAHALLI STATION (ELEVATED)
  - 022077-BSRP-CR2-C-VD-01-20-1330\_SH-1 & 2.....DIMENSIONAL DETAILS OF SUBSTRUCTURE FOUNDATION AND REINFORCEMENT OF PILE FOR PORTAL PIERS BPP3 & BPP8 AT BENNIGANAHALLI STATION (ELEVATED)
  - 022077-BSRP-CR2-C-VD-01-20-1331\_SH-1 & 2.....DIMENSIONAL DETAILS OF SUBSTRUCTURE FOUNDATION AND REINFORCEMENT OF PILE FOR PORTAL PIERS BPP2 & BPP10 AT BENNIGANAHALLI STATION (ELEVATED)
  - 022077-BSRP-CR2-C-VD-01-20-1335.....REINFORCEMENT DETAILS OF PILECAP AND PIER FOR PORTAL PIERS BPP3 & BPP8 AT BENNIGANAHALLI STATION (ELEVATED)
  - 022077-BSRP-CR2-C-VD-01-20-1336.....REINFORCEMENT DETAILS OF PILECAP AND PIER FOR PORTAL PIERS BPP4 TO BPP7 AT BENNIGANAHALLI STATION (ELEVATED)
  - 022077-BSRP-CR2-C-VD-01-20-1599-CONSTRUCTION SEQUENCE OF CAST IN-SITU PORTAL BEAM OF BENNIGANAHALLI STATION
  - 022077-BSRP-CR2-C-VD-01-20-1664-TYPICAL DETAILS OF DRAINAGE SCHEME OF PORTAL PIER AT BENNIGANAHALLI STATION (ELEVATED)

**LEGEND:**

----- TOP REINFORCEMENT  
----- BOTTOM REINFORCEMENT  
--- REINFORCEMENT  
Ld --- DEVELOPMENT LENGTH

NOTES :				LEGEND :		REFERENCE DRAWINGS :				REFERENCE DOCUMENTS :			
										1. DOC-BSRP-CR2-EY-DGN-01-20-1608			