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- Technical drawing of a bridge cross-section showing a central pier and two abutments. The drawing includes dimensions for the bridge deck (2600m total width), piers (2400m width), and abutments (2400m width). It also shows elevations for the ground level (A.G.L. +244.330), river bed level (R.L. +245.255), and various structural components like the wearing coat, deck slab, and expansion joints. A soil profile on the right indicates the water level (S.D.R. +242.830) and the river bed level (H.R. +242.830).

Technical drawing of a bridge cross-section showing three spans. The drawing includes dimensions for spans (4500, 5500, 2500), widths (3500, 2600, 2900), and heights (7500, 6200, 6500). It also shows ground level (A.G.L. + 244.330), bridge level (T.B.L. + 244.750), and centerline (C.B.L. + 242.930) elevations. A central pier is labeled 'P' and '100 MM THICK LINING FOR BED IN CC M 10'. Slopes are indicated as 1.5:1. A vertical dimension of 217.65 is shown on the right side.

8350

7950

7500

75 MM THICK WEARING COAT

200

600

225

430

R.L. + 245.255

+ 245.180

+ 244.750

+ 244.450

200 MM THICK PARAPET WALL

225 MM THICK KERB IN RCC M20

430 MM THICK DECK SLAB IN RCC M20

BED BLOCK IN RCC M20

FSL + 244.150

CBL + 242.930

PIER IN RCC M25

PIER FOUNDATION IN RCC M25 OVER 150 TH LEVELLING COURSE IN CC M10

+ 242.630

+ 242.030

+ 241.880

8550

9450

9750

The diagram illustrates the structural details of a bridge abutment and its approach slab. The cross-section shows the abutment structure with a 75 mm thick wearing coat on top. The wall is constructed as per M.O.S.T. specifications and includes a 20 mm thick expansion joint. The ground level (R.L.) is marked as +245.255. The approach slab is shown on the right side of the abutment. The abutment is constructed in CC M15. The plan view shows the abutment's footprint with dimensions: 300, 400, 500, 300, 600, and 300. The total width of the abutment is 1800, and the total width of the approach slab is 2400. The vertical dimensions of the abutment are +242.950 and +242.500.

75 MM THICK WEARING COAT

WALL AS PER M.O.S.T

20 MM THICK EXPANSION JOINT

R.L. + 245.255

+ 245.180

+ 244.750

+ 244.450

APPROACH SLAB

ABUTMENT IN CC M15

300 400 500 300 600 300

+ 242.950

+ 242.500

1800

2400

Technical drawing of a stepped profile. The profile consists of a base rectangle and a top rectangle. The base rectangle has a total width of 1700 and a height of 242.500. The top rectangle has a width of 500 and a height of 246.155. The profile is stepped on the left side, with a sloped section and a vertical section. The dimensions are as follows:

- Top width: 500
- Top height: 246.155
- Vertical section height: 900
- Sloped section height: 245.255
- Base height: 242.950
- Base height: 242.500
- Base width segments: 300, 600, 500, 300
- Total base width: 1700
- Vertical section width: 2305

Sd/- 15-8-08  
SUPERINTENDING ENGINEER  
GNSS CIRCLE, KADAPA.

1. DRAWING NO. SKD/SLRB/002/2008 - RCC DETAILS OF PIER, PIER FOOTING AND ABUTMENT

|                   |   |         |          |      |
|-------------------|---|---------|----------|------|
| REVISION NO:      | DRAWN   | CHECKED | APPROVED | DATE |
| CLIENT            | GOVERNMENT OF ANDHRA PRADESH<br>IRRIGATION & CAD DEPARTMENT       |         |          |      |
| PROJECT           | GANDIKOTA LIFT IRRIGATION SCHEME<br>SANTHAKOVUR DISTRIBUTORY      |         |          |      |
| TITLE             | SINGLE LANE ROAD BRIDGE AT KM. 5.718<br>GENERAL PLAN AND SECTIONS |         |          |      |
| CONTRACTORS       | M/S KBL - MCCL (JV)<br>PUNE                                       |         |          |      |
| CONSULTANTS       |   |         |          |      |
| DRAWING NO:       | SCALE   |         | DATE     |      |
| SKD/SLRB/001/2008 | AS INDICED  |         |          |      |