

7) The slab and sidewalls of trough shall be laid monolithically. 8) No water pressure is considered in the design of. Wings and returns. It is therefore, necessary to ensure free drainage

arrangements. Therefore, Weep holes spaced at 1800mm c/c staggered shall be provided in wings as specified in the drawing, with reverse filters as per IS 4558- 1985. 9) 12mm thick expansion joint with 300 mm wide P.V.C. stopper shall be provided at the junction of trough over the piers and

for joints between wings and trough slab over pier and abutments. 12 mm thick expansion joints filled with mastic filler as proposed for bridge slab over pier and abutments. 10) Pressure relief holes in the form of no fine concrete blocks at 1800mm c/c and staggered shall be provided in transition

floors both U/S and D/s as shown in the drawing. 11) The U/s and D/s protection works shall be done as shown in the drawing.

13) The notes accompanying the drawing shall be kept in the view during execution.

14) Suitable approach and tail channels may be formed at the time of execution to meet the actual vagu course by allowing safe velocities, and as per the hydraulic calculations made in the design analysis and as per the site conditions.

15) The Engineer-in-charge of construction shall satisfy himself about the suitability of drawing of super passage with reference to the field conditions; before taking up the execution of the work .The bed level and other H.P's of canal now adopted in the design and drawings are as per the approved H.Ps. 16) The coarse aggregate for all R.C.C. work shall be 20mm graded hard granite variety and machine crushed metal.

17) Concrete for M20 grade shall have a specified characteristics compressive strength of 20 N/mm2 on 150mm cube

18) Tail channel with bed width as shown in the drawing and $1\frac{1}{2}$: 1 side slopes has to be excavated from D/s transition till it reaches the natural vagu course as per the site condition.

19) Length of laps in reinforcing bars shall be according to the clause 26.2.5.1 of IS 456-2000. 20) The following are the permissible stress considered in the design of R.C.C members.

(1) For faces away from water retaining sides

Stress in steel :1840 kg/cm2 Stress in concrete :70kg/cm2

(2) For faces in direct contact with water Stress in Steel :1500Kg/cm2

Stress in concrete :50kg/cm2 21) The reinforcement in the vertical wall/beam and in the slab are to be staggered so that the bars in horizontal will be just at the centre of bars in verticals and vice versa in order to avoid crowding of bars at corners to facilitate

22) Full scale elevation for the bars shall be laid out on plane plastered floor to the dimensions shown in drawing, so as to get correct clearance between different bars and then the bars bent up to the proper shape.

23) Clear cover of concrete shall be as follows:

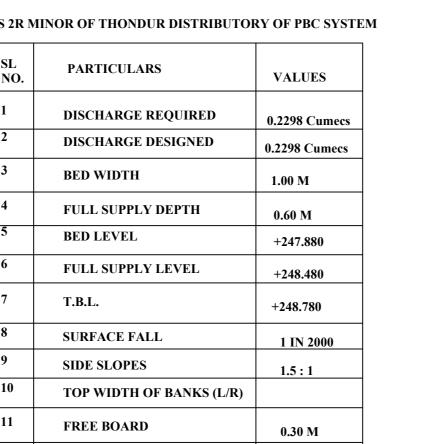
(a) Vertical members = 40mm (b)Horizontal members = 30mm.

better placement of concrete.

24)Skin reinforcement shall be provided with 8 mm dia @ 250c/c in abutments and pier.

25) Necessary arrangements should be made for the continuity of the inspection track.

26) During execution if inferier soils are met with at foundation levels of wings and returns, the sections of wings and returns are to to be revised suitably.



12 dia two legged

0.018 M

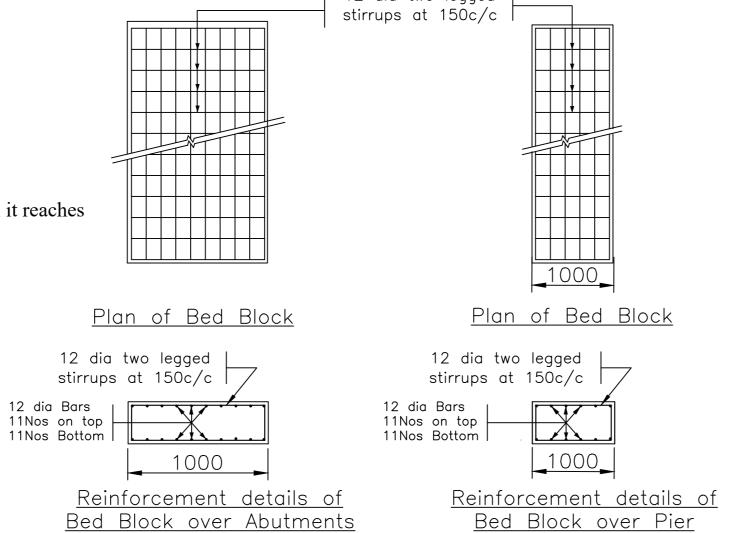
0.607 m/sec

COEFFICIENT OF RUGOSITY

VELOCITY

NOT TO BE SCALED

G	OVERNMENT	OF ANDHRA PR	ADESH
CLIENT:	IRRIGATION & C.A.D DEPARTMENT		
CONTRACTOR	OR: KBL_MCCL(JV)		
PROJECT:	GANDIKOTA	A LIFT IRRIGAT	ΓΙΟΝ SCHEME
•	paidipale	at km: 15.375 of feede em to Himakunta sump ELEVATION, SECTION	
Prepared by:	Submitted by:	Approved BY:	
Contractor, KBL_MCCL(JV)	Executive Engineer GKLI DIVISION PULIVENDULA	Superintending Engineer, G.N.S.S.Circle,KADAPA	
DRG NO : 2/3			



For KBL-MCCL joint Venture **Authorised Signatory**

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