



**BASIC PRARAMETERS OF PACKAGE -6 (TUNNEL)
AS PER AGREEMENT**

APPROVED HP'S
284.846/284.950
BW = 14.60m
FSD = 3.70 m
BED FALL = 1 IN 10400
BED LEVEL = 453.791
FSL = 457.491
(Q'Req/Des)=71.30/71.546 Cumecs

SHAPE OF TUNNEL = HORSE SHOE
DIA OF TUNNEL = 7.5 M
BED FALL = 1 IN 2500
FSD = 6.5(TO PASS DISCHARGE OF 81.268 CUMECS
FSD =5.7M(CALCULATED TO PASS A DISCHARGE OF 71.30(REQ)/72.72(DES)CUMECS IN CONFIRMITY WITH U/S AND D/S DISCHARGE OF CANAL AS APPROVED IN HP'S OF PACKAGE -5
BED FALL = 1 IN 2608 (CALCULATED)
LENGTH OF TUNNEL = 2.0 KM (FORM 285.100 TO KM 287.100
LENGTH OF TRANSITIONS ON EITHER SIDE = 150 M

AS PER APPROVED HP'S OF PACKAGE 5 AT KM 287.250

BW = 14.80 M
FSD = 3.70 m
BED FALL =1 IN 106000
VELOCITY = 1.049m/s
BED LEVEL = 452.962
FSL = 456.662
DISCHARGE (REQ/DES)= 71.30/71.782 CUMECS

**HP'S OF PACKAGE 6 WITH TEL'S INDICATING
INVERT LEVELS OF TUNNEL AT START AND END**

NOTE: THE HP'S ARE APPROVED SUBJECT TO THE CONDITION THAT THE AGENCY HAS TO CARRY OUT TUNNELING AT SLOW PACE BY CONTROLLED BLASTING FORM KM 285.125 TO KM 285.250 AND SHALL PROVIDE SUITABLE SUPPORTS FOR TUNNEL MEDIUM AS SUGGESTED BY GSI AND AS PER AGREEMENT DURING EXECUTION OF WORK .

"T.C.F"

SD/-26/11/07
Superintending Engineer
H.N.S.S Circle No.3
MADANAPALLI

"T.C.F"

SD/-17/11/07
EXECUTIVE ENGINEER
CANALS II DIVISION
CDO HYDERABAD

APPROVED
SD/-(DT.16.11.2007
(I.S.N.RAJU)
CHIEF ENGINEER
CENTRAL DESIGNS ORGANIZATION
HYDERABAD.

AVR.HNSS PHASE-II /PACKAGE-6
TUNNEL FROM KM 285.100 TO 287.100

SRI AVANTIKA- SAI VENKATA (JV) ,NELLORE