GOVERNMENT OF ANDHRA PRADESH

IRRIGATION AND CAD DEPARTMENT (H.N.S.S. PHASE-2,PACKAGE NO.7)

HYDRAULIC PARTICULARS HNSS MAIN CANAL(STAGE-II) FROM KM 300.000 TO 310.000

		Re	each in KM					Hydra	aulic Par	ticulars						Loss (m)		Bed Level		Full Supply Level				
SL. No	Reac h No.	From	То	Distanc e (In Mts)	Discharge	Width (In	F.S.D (In Mts)	Surface Fall	Side Slopes	A(m2)	P(m)	R(m)	R=2/3	Velocity M/Sec			DueTo CM & CD Structures	Total	At Start (M)	At End (M)	At Start (M)	At End (M)	Rema	arks
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	1	300.000	300.300	300	71.300	14.30	3.70	1:10000	1.00:1	66.600	24.765	2.689	1.934	1.074	71.552	0.030	0.00	0.030	451.715	451.685	455.415	455.385	FSL AT KM 300.000 AS PER CONCEPT PAPER +453.040	FULL CUTTING VARIES FROM 4.8 M TO 7.1 M (ALL
2		300.300	300.350	50	Transit	tion	3.70	1:10175								0.0049	0.00	0.005	451.685	451.680	455.385	455.380		
3	2	300.350	301.400	1050	71.300	13.10	3.70	1:10350	1.50:1	69.010	26.441	2.610	1.896	1.035	71.430	0.101	0.00	0.101	451.680	451.579	455.380	455.279	CUTTING AND	ALL SOILS & HDR
4		301.400	301.450	50	Transit	ion	3.70	1:11175								0.004	0.00	0.004	451.579	451.574	455.279	455.274	=	
5	3	301.450	303.700	2250	71.300	13.00	3.70	1:12000	2.00:1	75.480	29.547	2.555	1.869	0.948	71.534	0.188	0.00	0.188	451.574	451.387	455.274	455.087	CUTTING, FILLING AND	ALL SOILS & HDR
6		303.700	303.750	50	Transit	tion	3.70	1:11175								0.004	0.00	0.004	451.387	451.382	455.087	455.082		
7	4	303.750	307.500	3750	71.300	13.10	3.70	1:10350	1.50:1	69.010	26.441	2.610	1.896	1.035	71.430	0.362	0.00	0.362	451.382	451.020	455.082	454.720	CUTTING AND	ALL SOILS & HDR
8		307.500	307.550	50	Transit	ion	3.70	1:10175								0.005	0.00	0.005	451.020	451.015	454.720	454.715	=	
9	5	307.550	308.950	1400	71.300	14.30	3.70	1:10000	1.00:1	66.600	24.765	2.689	1.934	1.074	71.552	0.140	0.00	0.140	451.015	450.875	454.715	454.575	FULL CUTTING VARIES FROM 4.90 M TO 9.0 M	HDR,FF
10		308.950	309.000	50	Transit	ion	3.70	1:10175								0.005	0.00	0.005	450.875	450.870	454.575	454.570	-	
11		309.000	310.000	1000	71.300	13.10	3.70	1:10350	1.50:1	69.010	26.441	2.610	1.896	1.035	71.430	0.097	0.00	0.097	450.870	450.773	454.570	454.473	FULL CUTTING VARIES FROM 4.90 M TO 9.0 M	HDR,FF

Co-efficiect of Rugosity :0.018

1) THE ALIGNMENT RECOMMENDED BY THE CE(P) ANANTAPUR IS RETAINED PROTECTION WORKS AND SUITABLE LENGTH OF STRUCTURE AS PER SITE SHOULD BE PROPOSED IN BED FILLING REACHES.

Sd/-(dt.14.08.2007)

Executive

Engineer Canals-II Division Central Designs Orginisation Hyderabad. Sd/-(dt.13.08.2007) (l.S.N.RAJU) Chief Engineer Central Designs Orginisation Hyderabad.

GOVERNMENT OF ANDHRA PRADESH

IRRIGATION AND CAD DEPARTMENT (H.N.S.S. PHASE-2, PACKAGE NO.7)

HYDRAULIC PARTICULARS HNSS MAIN CANAL(STAGE-II) FROM KM 310.000 TO 319.384

		Re	each in Ki	И					Hydra	ulic Part	ticulars						Loss (m)		Bed	Level	Full Supply				
SL. No	Rea ch No.	From	То	Distanc e (In Mts)	Required Discharge (Cumecs)	Width (In	F.S.D (IN Mts)	Surface Fall	Side Slopes	A(m2)	P(m)	R(m)	R=2/3	Velocity M/Sec	Designed Discharge (Cumecs)	Due To Bed Fall	DueTo CM & CD Structures	Total	AT Start (M)	AT End	AT Start (M)	AT End (M)	Remarks		
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
2		310.000	310.000	0	Regula	ıtor.										0.000	0.45	0.450	450.773	450.773	454.473	454.023			
3	1	310.000	310.550	550	51.680	12.70	3.25	1: 9600	1.00:1	51.840	21.892	2.368	1.777	1.007	52.216	0.057	0.00	0.057	450.773	450.716	454.023	453.966	FULL CUTTING	HDR & F.F	
4		310.550	310.600	50	Transit	ion	3.25	1: 9800								0.005	0.00	0.005	450.716	450.711	453.966	453.961	-		
5	2	310.600	311.150	550	51.680	10.50	3.25	1:10000	2.00:1	55.250	25.034	2.207	1.695	0.942	52.030	0.055	0.00	0.055	450.711	450.656	453.961	453.906	BANKING AND BED FILLING U.T PROPOSED	ALL SOILS , HDR & F.F	
6		311.150	311.200	50	Transit	ion	3.25	1:10200						0.005	0.00	0.005	450.656	450.651	453.906	453.901					
7	3	311.200	312.000	800	51.680	11.90	3.25	1:10400	1.50:1	54.520	23.618	2.308	1.747	0.952	51.875	0.077	0.00	0.077	450.651	450.574	453.901	453.824	CUTTING AND	ALL SOILS , HDR & F.F	
8		312.000	312.050	50	Transit	ion	3.25	1:10200								0.005	0.00	0.005	450.574	450.569	453.824	453.819	-		
9	4	312.050	314.600	2550	51.680	12.90	3.25	1:10000	1.00:1	52.490	22.092	2.376	1.781	0.989	51.919	0.255	0.00	0.255	450.569	450.314	453.819	453.564	FULL CUTTING VARIES FROM	HDR,FF	
10		314.600	314.650	50	Transit	ion	3.25	1:10200								0.005	0.00	0.005	450.314	450.309	453.564	453.559	-		
11	5	314.650	316.250	1600	51.680	11.90	3.25	1:10400	1.50:1	54.520	23.618	2.308	1.747	0.952	51.875	0.154	0.00	0.154	450.309	450.155	453.559	453.405	PARTIAL CUTTING AND FILLING	ALL SOILS , HDR & F.F	
12		316.250	316.300	50	Transit	ion	3.25	1:10200								0.005	0.00	0.005	450.155	450.150	453.405	453.400	-		
13		316.300	319.384	3084	51.680	12.90	3.25	1:10000	1.00:1	52.490	22.092	2.376	1.781	0.989	51.919	0.308	0.00	0.308	450.150	449.842	453.400	453.092	FSL AT KM 320.000 AS PER AGREEMENT +453.040 END OF PACKAGE	FULL CUTTING	

Co-efficiect of Rugosity :0.018

4)THE HP'S IN THE REACH FROM KM 310.000 TO END OF PACKAGE FOR CANAL DISCHARGE OF 51.68 CUMECS IS APPROVED AS PER GOVERNMENT MEMO NO 40731/MAJ.IRRI.VI/2008-2,DT 28-02-2008.

Sd/-(dt.17.03.2007)

Executive Engineer

Canals-II Division

Central Designs

Orginisation Hyderabad.

Sd/-(dt.17.03.2007) (I.S.N.RAJU) Chief Engineer Central Designs Orginisation Hyderabad.

GOVERNMENT OF ANDHRA PRADESH

IRRIGATION AND CAD DEPARTMENT

(H.N.S.S. PHASE-2, PACKAGE NO.7, HNSS MAIN CANAL FROM KM 300.000 TO 319.884/320.000)

HYDRAULIC PARTICULARS HNSS MAIN CANAL(STAGE-II) FROM KM 319.384 TO 319.884/320.00

			Reach in Kl	М					Hydrau	ulic Parti	culars				Loss (m)			Bed Level		Full St	uppiy vel			
S		From	То	Distance (In Mts)	Required Discharge (Cumecs)	Bed Width (In Mts)	F.S.D (In Mts)	Surface Fall	Side Slopes	A(m2)	P(m)	R(m)	R=2/3	Velocity M/Sec	Designed Discharge (Cumecs)	Due To Bed Fall	DueTo CM & CD Structures		At Start (M)	At End (M)	At Start (M)	At End (M)		Remarks
Γ		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	1	319.384	319.434	50	51.680	12.90 .To 11.60	3.25	1:10000	1.00:1 To 1.5:1			TRA	NSITIO	N		0.005	0.00	0.005	449.842	449.837	453.092	453.087	-	FSL +453.092 at Km 319.384 as per HP's already approved
2	2	319.434	319.834	400	51.680	11.60	3.25	1:10000	1.50:1	53.540	23.318	2.296	1.741	0.967	51.774	0.040	0.00	0.040	449.837	449.797	453.087	453.047	Cutting	
;	3	319.834	319.884/3 20.000	50	51.680	11.60 T0 10.40	3.25	1:10000	1.50:1			TRA	NSITIO	N		0.007	0.00	0.007	449.797	449.790	453.047	453.040		As Per Basic Parameters of Package-7 At End FSL +453.040 FSD 3.25M

Co-efficiect of Rugosity :0.018

1) THE H.P'S PROPOSAL IN THE REACH FROM KM 319.384 TO KM 319.884/320.00 ALONG WITH CONSENT OF THE AGENCIES ON THE COMMON POINT BETWEEN PACKAGE-7 & PACKAGE-8 FURNISHED VIDE ENC / TGP/SKHT/HNSS PKG -7 & 8 DT -30-06-2008 ARE VETTED AND APPROVED.

Sd/-(dt.07.07.2008)

Executive Engineer

Canals-II Division Central

Designs Orginisation Hyderabad. Sd/-(dt.07.07.2008)

(I.S.N.RAJU) Chief Engineer

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