GOVERNMENT OF ANDHRA PRADESH

IRRIGATION AND CAD DEPARTMENT (H.N.S.S. PHASE-2,PACKAGE NO.5

HYDRAULIC PARTICULARS HNSS MAIN CANAL(STAGE-II) FROM KM 280.000 TO 300.192/300.000)

	Rea	Re	ach in KM						Hydrau	ılic Par	ticulars						Loss (m)		Bed I	Level	Full S			
SL. No	ch	From	То	Ce (In	Required Discharge (Cumecs)	(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		Total	At Start (M)	At End (M)	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		280.000	284.846	4846	71.300	14.60	3.70	1:10400	1.00 : 1	67.71	25.065	2.701	1.940	1.057	71.546	0.466	0.00	0.466	454.257	453.791	457.957	457.491	FSL @ KM 280.000 AS PER BASIC PARAMETERS OF AGREEMENT 457.957	FULL CUTTING VARIES FROM 4.80 M TO 23.0 M (F& F)
3					TU	JNNEL	from 2	35.100 TO	287.100	includ	ing 150r	n Trans	istion o	n either s	ides of tun	nel (Pa	ckage -6).						H.P's of Tunnel Sepe	
4		287.250	294.000	6750	71.300	14.80	3.70	1:10600	1.00 : 1	68.45	25.265	2.709	1.943	1.049	71.782	0.637	0.00	0.637	452.962	452.325	456.662	456.025	FULL CUTTING VARIES FROM 3.20 M TO 20.0 M	F&F

Co-efficiect of Rugosity :0.018

NOTES: 1) The H.P's proposals furnished by C.E (P) Ananthapur are vetted and approved.

2) The project authorities shall ensure proper protection works as per site conditions embankment and bed filling reaches and as it reported by the C.E(P), Ananthapur that there is no alternative feasible alighnment to avoid the same as per inspection notes dated 7-10-2007.

3) The list of structures and protection works shall be finalised seperaetly on recipt of proposals from the ∪. ⊢ (⊬) Ananthapur.

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Sd/-(dt.23.10.2007)
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GOVERNMENT OF ANDHRA PRADESH

IRRIGATION AND CAD DEPARTMENT

(H.N.S.S. PHASE-2,PACKAGE NO.5 FROM KM 280.000 TO 300.000)

HYDRAULIC PARTICULARS HNSS MAIN CANAL(STAGE-II) FROM KM 294.000 TO 295.925)

	F	Reach in K	Л					Hydra	ulic Par	ticulars						Loss (m)		Bed	Level	Full S Le	upply vel			
SL No	From	То	Distance (In Mts)	Required Discharge (Cumecs)		F.S.D (In Mts)	Surrace	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		
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	294.000	294.975	975	71.300	14.80	3.70	1:10600	1.00:1	68.450	25.265	2.709	1.943	1.049	71.782	0.092	0.00	0.092	452.325	452.234	456.025	455.934	FULL CUTTING VARIES FROM 3.20M TO 20.0M REACH	F&F	
2	294.975	295.025	50	Transition		3.70	1:11300								0.004	0.00	0.004	452.234	452.230	455.934	455.930			
3	295.025	295.225	200	71.300	14.30	3.70	1:12000	1.50:1	73.450	27.641	2.657	1.918	0.973	71.457	0.017	0.00	0.017	452.230	452.213	455.930	455.913	CUTTING AND	HDR, FF.	
4	295.225	295.275	50	Transition		Transition 3.70 1									0.004	0.00	0.004	452.213	452.209	455.913	455.909	-		
5	295.275	295.925	650	71.300	14.80	3.70	1:10600	1.00:1	68.450	25.265	2.709	1.943	1.049	71.782	0.061	0.00	0.061	452.209	452.148	455.909	455.848	FULL CUTTING VARIES FROM 4.92 M TO 9.0 M	, ,	

Co-efficiect of Rugosity :0.018

NOTE:- The HP's from Km 294.000 to Km 295.925 furnished by CE(P) Anantapur is vetted and approved.

Sd/-(dt.07.12.2007)
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GOVERNMENT OF ANDHRA PRADESH

IRRIGATION AND CAD DEPARTMENT (H.N.S.S. PHASE-2,PACKAGE NO.5)

HYDRAULIC PARTICULARS HNSS MAIN CANAL(STAGE-II) FROM KM 295.800 TO 299.697/300.000)

		i	Reach in Ki	И	Hydraulic Particulars												Loss (m)		Bed	Level	Full Supply Level			
SL No	Reach No.	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)		DueTo CM & CD Structure s	Total	AT Start (M)	AT End (M)	AT Start (M)	AT End (M)	Re	marks
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	5	295.800	295.925	125	71.300	14.80	3.70	1:10600	1.00:1	68.450	25.265	2.709	1.943	1.049	71.782	0.012	0.00	0.012	452.160	452.148	455.860	455.848	FULL CUTTING REACH	
2		295.925	295.975	50	Transi	Transition 3.70		1:10500						0.005 0.00 0.005			452.148	452.143	455.848	455.843				
3	6	295.975	298.325	2350	71.300	10.70	3.70	1: 9000	2.00:1	66.970	27.247	2.458	1.821	1.067	71.427	0.261	0.00	0.261	452.143	451.882	455.843	455.582	BED FILLING	
4		298.325	298.375	50	Transi	tion	3.70	1: 8500								0.006	0.00	0.006	451.882	451.876	455.582	455.576	-	
5	7	298.375	298.850	475	71.300	13.30	3.70	1: 8000	1.00:1	62.900	23.765	2.647	1.913	1.188	74.755	0.059	0.00	0.059	451.876	451.817	455.576	455.517	FULL CUTTING REACH	
6		298.850	298.900	50	Transi	tion	3.70	1: 8500					•	3	•	0.006	0.00	0.006	451.817	451.811	455.517	455.511		
7	8	298.900	299.150	250	71.300	12.10	3.70	1:10500	1.50:1	65.310	25.441	2.567	1.875	1.098	71.697	0.028	0.00	0.028	451.811	451.783	455.511	455.483	CUTTING AND	
8		299.150	299.200	50	Transi	tion	3.70	1: 8500								0.006	0.00	0.006	451.783	451.777	455.483	455.477	-	
9	9	299.200	299.647	447	71.300	12.80	3.70	1: 8000	1.00:1	61.050	23.265	2.624	1.902	1.182	72.142	0.057	0.00	0.057	451.777	451.720	455.477	455.420	FULL CUTTING	FSL AT KM 299.345/300.000 AS PER BASIC PARAMETERS OF AGREEMENT OF PK 7 IS +455.415M (AT START)
10		299.647	299.697/3 00.000	50	Transition	12.80 TO 14.30	3.70	1: 9000								0.005	0.00	0.005	451.720	451.715	455.420	455.415	-	

Co-efficiect of Rugosity :0.018

- 1) THE PROPOSED ALIGNMENT AND H.P.'S FURNISHED FOR ALTERNATIVE ALIGNMENT 4. VIDE LR. NO. ENC/SKHT/HNSS/PHASE-II/ PKG-5, Dt 3 3-2008 ARE VETTED AND APPROVED.
- 2) THE ALIGNMENT FROM KM. 295.800 TO 295.925 WHICH IS APPROVED EARLIER IS REVISED AND APPROVED AS PROPOSED BY ENC/TGP/SKHT/HNSS FROM KM. 295.000 TO 299.697/300.000, SUBJECT TO CONDITION THAT NO ACTION IS TAKEN FOR L.A. AND EARTH WORK FROM 295.800 TO 295.800 TO 295.925.
- 3) SUBJECT TO PROVIDING OF NECESSARY PROTECTION WORKS AS PER SITE CONDITIONS IN EMBANKMENT AND BED FILLING REACH FROM KM. 295.975 TO KM. 298.325
- 4) HE LIST OF STRUCTURES SHALL BE FINALISED SEPERATELY ON RECEIPT OF PROPOSALS AS PER SITE CONDITIONS AND AGREEMENT FROM ENC. TGP, SKIKALAHASTI.

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