

TABLE SHOWING LOCATION OF TRACTION SUPPLY CONTROL POSTS FOR EM P-4 (VOLUME 4 DATA BOOK PART II S.N.4)

Location of TSS, SP, SSP and ATP on DFC (Western Corridor) for packages CT P -1&2 and 3

(All distances in kilometres) Basis for General Supply Diagram Date: 26-02-13: mod A. Ch.of Sanand TSS corrected. Edition 24/06/2013)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Km from Makarpura end (SEC 5:Ch 131)	Km from Rewari End	CPM Section	CPM Chainage	Station	Inter-station Distance	TSS	Distance TSS-TSS	SP	Distance TSS-SP	SSP	Distance SCP-SCP	AT locations	Dist ATS-ATS	Remarks
0	915.026	5	131	SEC 5 :km 131 Phase 2 (CTP 3)										
	914.496		131.53							Makarpura S	NA			
2.001	913.025	5	133.001	Makarpura JS										
3.36	911.666		134.36							Makarpura N	2.83	X	NA	
18.15	896.876		149.15			Bhyali TSS	NA		NA			X	14.79	
32.6	882.426		163.6							Ambali ATS		X	14.45	
36.164	878.862		167.164							Vasad S	18.014			
37.226	877.8	5	168.226	Vasad X	34.815									
38.287	876.739		169.287							Vasad N	2.123			
47.913	867.113		178.913					Napavanto SP	29.763		9.626	X	15.313	
64.587	850.439		195.587							Changa S	16.674	X	16.674	
65.649	849.377	5	196.649	Changa X	28.423									
66.71	848.316		197.71							Changa N	2.123			
74.334	840.692	5/6	SEC 5: KM 205.334 --SEC 6 : 23.785											
79.814	835.212	6	29.265			Haranje (Vaso) TSS	61.664		31.901		13.104	X	15.227	
95.299	819.727		44.75							Naika SSP	15.485	X	15.485	
106.42	808.606		55.871							Timba S	11.121			
108.068	806.958	6	57.519	Timba X	42.419									
108.57	806.456		58.021							Timba N	2.15			
109.849	805.177	6	59.300					Meiroli SP	30.035		1.279	X	14.55	
915.026														

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Km from Makarpura end (SEC 5:Ch 131)	Km from Rewari End	CPM Section	CPM Chainage	Station	Inter-station Distance	TSS	Distance TSS-TSS	SP	Distance TSS-SP	SSP	Distance SCP-SCP	AT locations	Dist ATS-ATS	Remarks
127.014	788.012		76.465	Feeder TSS to NS		N.S. For TSS	47.2		17.165		17.165	X	17.165	
130.059	784.967	6	79.51			Sanand TSS								
		6												
129.724	785.302		79.175							Sabarmati (SJ) S	-0.335			
131.209	783.817		80.66	Sabarmati South Jn										
132.307	782.719		81.758							Sabarmati (SJ) N	2.583			
137.349	777.677	6::7		Sec 6/7 Ch 6/86.800::Ch7/95.00										
139.405	775.621		97.056							Sabarmati (NJ) S	7.098			
140.985	774.041	7	98.636	Sabarmati North Jn	32.917									
142.566	772.46		99.488							Sabarmati (NJ) N	2	X	15.552	
154.479	760.547	7::8N		Sec 7/ sec 8 New :: Ch7/ 112.130: Ch8N/0.00										
158.379	756.647	8N	3.9					Piyaj SP	31.365		15.813	X	15.813	
170.923	744.103		16.444							Ghumasan S	12.544	X	12.544	
171.985	743.041		17.506	Ghumasan	31									
173.046	741.980		18.567							Ghumasan N	2			
		8N												
184.124	730.902		29.645			Jornang TSS	57.11		25.745		13.201	X	13.201	
199.479	715.547	8N	45							Heduva Hanumat SSP	15.355	X	15.355	
210.799	704.227		56.32							Mehsana (S)	11.32			
212.107	702.919		57.628	Mehsana (Linch) JS	40.122									
213.416	701.610		58.937							Mehsana (N)	2.617			

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Km from Makarpura end (SEC 5:Ch 131)	Km from Rewari End	CPM Section	CPM Chainage	Station	Inter-station Distance	TSS	Distance TSS-TSS	SP	Distance TSS-SP	SSP	Distance SCP-SCP	AT locations	Dist ATS-ATS	Remarks
216.479	698.547		62.000					Jetalvasna SP	32.355		3.063	X	17.000	
228.689	686.337		74.210							Maktupur SSP	12.210	X	12.210	
244.259	670.767	8N	89.78			Dharewada TSS	60.135		27.780		15.570	X	15.570	
254.037	660.989		99.558							Malosan(S)	9.778			
255.151	659.875		100.672	Malosana	0									
256.272	658.754		101.793							Malosan(N)	2.235			
260.259	654.767		105.78							ATS		X	16.000	Retain in ROW
270.849	644.177	8N/9	SEC 8N:Ch 116.370 /9:Ch 8.697											
273.029	641.997		10.877							Palanpur S	16.757			
274.303	640.723	9	12.151	Palanpur JS	0									
275.41	639.616		13.258							Palanpur N	2.381			
277.152	637.874		15.00					CHITRASINI SP	32.893		639.616	X	16.893	
288.652	626.374		26.5	SEC 9:26.5		CTP 2 and 3 Junction								
262.152	652.874	9												
292.991	622.035		30.839							Sarotra Road SSP	15.839	X	15.839	
302.677	612.349		40.525						10.743	Sriamirgarh S	9.686			
303.734	611.292		41.582	SRIAMIRGARH X	29.431									
304.392	610.634		42.24			SRIAMIRGARH TSS								
304.791	610.235		42.639						2.114	Sriamirgarh N	2.114			
307.791	607.235		45.639	Feeder TSS to N.S.		NS forTSS	63.532		30.639		3	X	14.8	
320.722	594.304		58.57							Morthala SSP	12.931	X	12.931	
336.252	578.774	9	74.1					BHIMANA SP	28.461		15.53	X	15.53	
342.203	572.823		80.051							SWARUPGANJ S	5.951			

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Km from Makarpura end (SEC 5:Ch 131)	Km from Rewari End	CPM Section	CPM Chainage	Station	Inter-station Distance	TSS	Distance TSS-TSS	SP	Distance TSS-SP	SSP	Distance SCP-SCP	AT locations	Dist ATS-ATS	Remarks
343.286	571.74		81.134	SWARUPGANJ X	39.552									
344.343	570.683		82.191							SWARUPGANJ N	2.14			
349.441	565.585		87.289							Banas ATS		X	13.189	
353.248	561.778	9	91.096							BANAS S	8.905			
354.308	560.718		92.156	BANAS X	11.022									
355.394	559.632		93.242							BANAS N	2.146			
362.168	552.858	9,10		SEC 9:100.016/10:1.970										
363.098	551.928	10	2.9			SIROHI ROAD TSS	58.706		26.846		7.704	X	13.657	
371.723	543.303	10	11.525							KESHAVGANJ S	8.625			
373.044	541.982		12.846	KESHAVGANJ X	18.736									
374.581	540.445		14.383							KESHAVGANJ N	2.858			
379.798	535.228		19.6							Keshavaganj ATS		X	16.700	
395.533	519.493	10	35.335					MORI BERA SP	32.435		20.952	X	15.735	
411.983	503.043		51.785							BIROLIYA S	16.450	X	16.450	
413.034	501.992		52.836	BIROLIYA X	39.990									
414.097	500.929		53.899							BIROLIYA N	2.114			
422.748	492.278		62.55			FALNA TSS	59.650		27.215		10.765	X	10.765	
435.847	479.179		75.649							Bhagwan Pura SSP	13.099	X	13.099	
445.604	469.422		85.406							JAWALI S	2.14			
446.687	468.339		86.489	JAWALI X	33.653									
447.744	467.282		87.546							JAWALI N	467.282			
		10												

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Km from Makarpura end (SEC 5:Ch 131)	Km from Rewari End	CPM Section	CPM Chainage	Station	Inter-station Distance	TSS	Distance TSS-TSS	SP	Distance TSS-SP	SSP	Distance SCP-SCP	AT locations	Dist ATS-ATS	Remarks
449.638	465.388		89.44					JAWALI SP	26.890		1.894	X	13.791	
463.298	451.728		103.1							Bhinwala SSP		X	13.66	
463.435	451.591	10,11		SEC10:103.237/11:1.200										
462.235	452.791													
477.984	437.042		15.749	Feeder TSS to N.S.		NS forTSS	55.236		28.346		14.549	X	14.686	
481.035	433.991		18.8			MARWAR JN TSS								
480.984	434.042		18.749			TSS & SSP combined in one premises				MARWAR S	3			
482.255	432.771		20.02	MARWAR JS	35.568									
483.423	431.603		21.188							MARWAR N	2.439			
		11												
494.435	420.591		32.2							Sojat SSP	11.012	X	16.451	
511.535	403.491		49.3					BAGDI NAGAR SP	33.551			X	17.1	
517.747	397.279		55.512							CHANDAWAL S	6.212			
518.804	396.222		56.569	CHANDAWAL X	36.549									
519.86	395.166		57.625							CHANDAWAL N	2.113			
525.743	389.283		63.508							ATS*		X	14.208	* retain in ROW
536.88	378.146		74.645							HARIPUR S	17.02			
537.96	377.066	11	75.725	HARIPUR X	19.156									
539.017	376.009		76.782							HARIPUR N	2.137			
539.235	375.791		77.00			HARIPUR TSS								
542.017	373.009		79.782	Feeder to N.S.		NS forTSS	64.033		30.482			X	16.274	
554.985	360.041		92.75							Sendra SSP	12.968	X	12.968	
566.359	348.667	11,12		SEC 11:104.124/12: 00.00										
567.719	347.307		1.36					AMARPURA SP	25.702		12.734	X	12.734	
577.539	337.487		11.18							BANGURGRAM S	9.82			
578.628	336.398		12.269	BANGURGRAM JS	40.668									

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Km from Makarpura end (SEC 5:Ch 131)	Km from Rewari End	CPM Section	CPM Chainage	Station	Inter-station Distance	TSS	Distance TSS-TSS	SP	Distance TSS-SP	SSP	Distance SCP-SCP	AT locations	Dist ATS-ATS	Remarks	
580.715	334.311		14.356							BANGURGRAM N	3.176				
582.959	332.067		16.6							Bangurgram ATS		X	15.24		
599.159	315.867		32.8			MANGLIYAWAS TSS			31.44		18.444	X	16.2		
613.676	301.35		47.317							SARADHNA S	14.517	X	14.517		
614.759	300.267	12	48.4	SARADHNA X	36.131										
615.816	299.21		49.457							SARADHNA N	2.14				
		12													
628.859	286.167		62.5					MADAR SP	29.7		13.043	X	15.183		
				SEC 12:64.440//CTP2:CTP1 Junction											
641.621	273.405		75.262							KISHANGARH S	12.762	X	12.762		
642.678	272.348	12	76.319	KISHANGARH X	27.919										
643.734	271.292		77.375							KISHANGARH N	2.113				
651.759	263.267		85.4			KISHANGARH TSS	52.6		22.9		8.025	X	10.138		
667.159	247.867		100.8							Gehlota SSP	15.4	X	15.4		
668.823	246.203	12,13		SEC 12:102.464/13:00.00											
675.347	239.679		6.524							SAKUN S	8.188				
676.743	238.283	13	7.920	SAKUN X	34.065										
677.486	237.54		8.663							SAKUN N	2.139				
680.223	234.803		11.400					SAKUN SP	28.464		2.737	X	13.064		
694.585	220.441		25.762							PHULERA S	14.362	X	14.362		
695.923	219.103		27.1	PHULERA JS	19.18										
697.263	217.763		28.44							PHULERA N	2				
704.596	210.43		35.8			PHULERA TSS	52.837		24.373		7.333	X	10.011		
721.256	193.770	13	52.433	*Land at Ch 51 km for Sanodia SSP results in AT distances exceeding 17km						*SSP		16.67	X	16.66	* Retain in ROW
737.623	177.403	13	68.8					RENWAL SP	33.027		16.367	X	16.367		

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Km from Makarpura end (SEC 5:Ch 131)	Km from Rewari End	CPM Section	CPM Chainage	Station	Inter-station Distance	TSS	Distance TSS-TSS	SP	Distance TSS-SP	SSP	Distance SCP-SCP	AT locations	Dist ATS-ATS	Remarks
742.852	172.174		74.029							PACHARMALIKPUR S	5.229			
743.898	171.128		75.075	PACHARMALIKPUR X	47.975									
744.965	170.061		76.142							PACHARMALIKPUR N	2.113			
750.406	164.620	13,14		SEC 13:81.583/14: 00.00										
753.413	161.613	14	3.007							SSP	8.448	X	15.79	*Retain in ROW
						5.62								
769.158	145.868		18.752	Feeder to N.S.		NS for TSS	64.562		31.535		15.745	X	15.745	
771.806	143.220		21.4			RINGUS TSS (site)								
772.158	142.868		21.752							SRIMADHOPUR S	3			
773.204	141.822		22.798	SRIMADHOPUR X	29.306									
774.339	140.687		23.933							SRIMADHOPUR N	2.181			
782.006	133.020	14	31.6							Hanspur SSP	7.667	X	12.848	
794.846	120.180		44.44					KANWAT SP	23.04		12.84	X	12.84	
808.968	106.058		58.562							BHAGEGA S	14.122			
810.121	104.905		59.715	BHAGEGA X	36.917									
811.353	103.673		60.947							BHAGEGA N	2.385	X	16.507	
825.926	89.100		75.52			MAONDA TSS	54.12		31.08		14.573	X	14.573	
840.806	74.220	14	90.400							Dabla ATS		X	14.88	
843.888	71.138		93.482							DABLA S	17.962			
844.931	70.095	14	94.525	DABLA X-STN	34.81									
846.001	69.025		95.595							DABLA N	2.113			
856.206	58.820		105.8					AMARPURA JORASHI SP	30.28		10.205	X	15.4	
857.53	57.496	14,15		SEC14:107.124/ SEC 15 Ch :00.00										

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Km from Makarpura end (SEC 5:Ch 131)	Km from Rewari End	CPM Section	CPM Chainage	Station	Inter-station Distance	TSS	Distance TSS-TSS	SP	Distance TSS-SP	SSP	Distance SCP-SCP	AT locations	Dist ATS-ATS	Remarks
868.33	46.696		10.8							Narnaul SSP	12.124	X	12.124	
879.272	35.754		21.742			ATELI TOBDA TSS	53.346		23.066		10.942	X	10.942	
883.716	31.310		26.186							ATELI S	4.444			
884.962	30.064		27.432	ATELI JN	40.03									
886.155	28.871	15	28.625							ATELI N	2.439			
857.53	57.496													
892.43	22.596		34.900							Kund SSP	6.275	X	13.158	
899.526	15.500	15,16	0.000	SEC 15: Ch 41.996/ SEC16. CH 0.00.										
907.086	7.940		7.560					Gumina SP	27.81		14.656	X	14.656	
911.178	3.848	16	11.652							REWARI S	4.092			
912.726	2.300		13.200	REWARI JN STN	27.76									
913.765	1.261		14.239							REWARI N	2.587			
915.026	0.000		15.500	START OF SURVEY										
TRAIN STATIONS				Junction Stations	10									
TRAIN STATIONS				Crossing Stations	20	Abstract total of vital equipment								
				TSS	16	Traction Transformers			24					
				SP	16	Auto-transformers			190					
TRACTION SUPPLY CONTROL POSTS				SSP (on open route)	15	with ATs								
				SSPs at stations	60	ATs at 9 SSPs out of 60 SSPs								
				ATS (only)	7									
				Total AT locations	63	(TSS+SP+SSP+ATP)								

*Note: At 4 midsection locations the SSP/AT will need to be accomodated in the ROW. See Drg No EMP 4/PS/SSP/ATS/208(N)