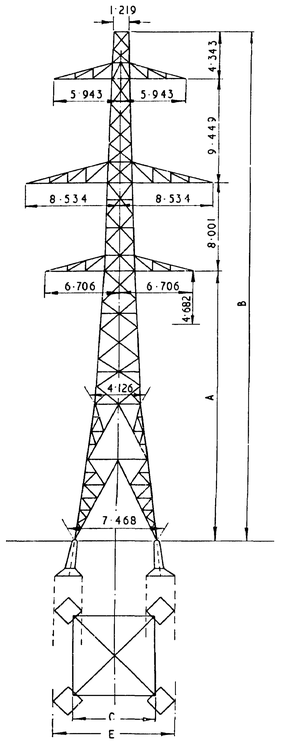
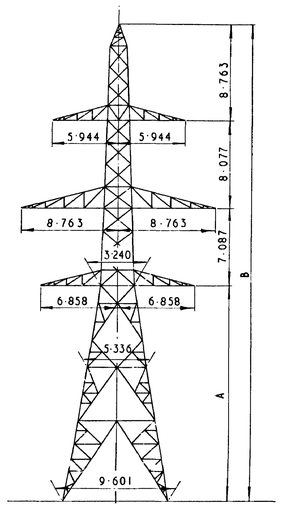
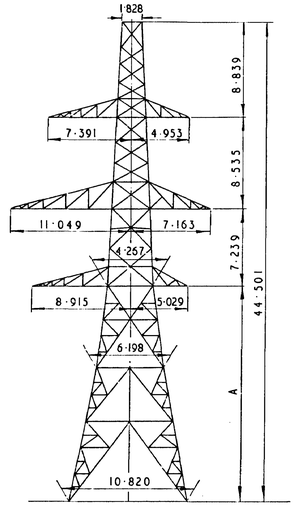
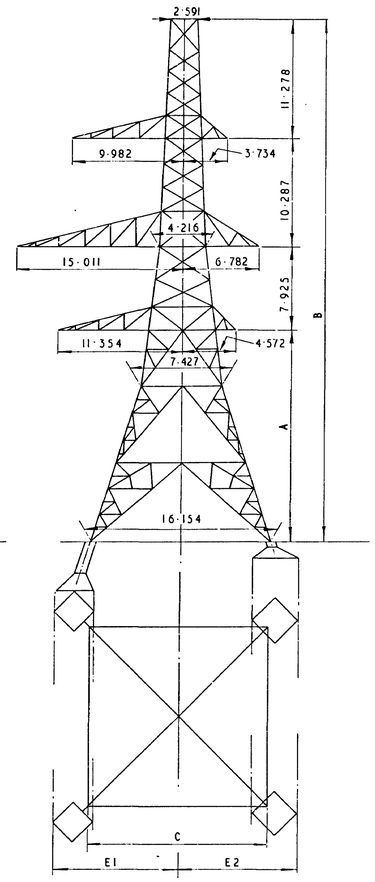
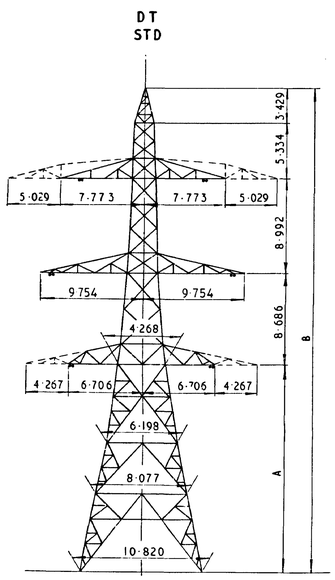


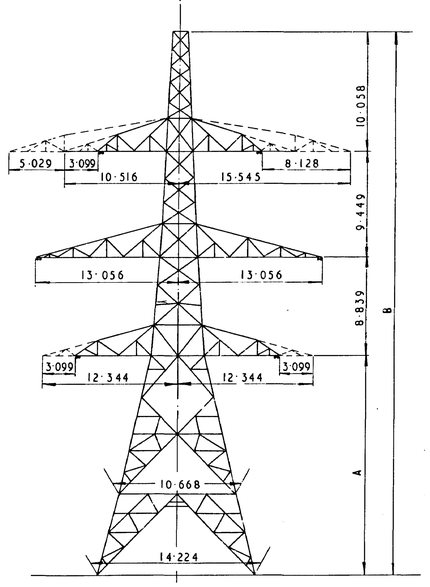




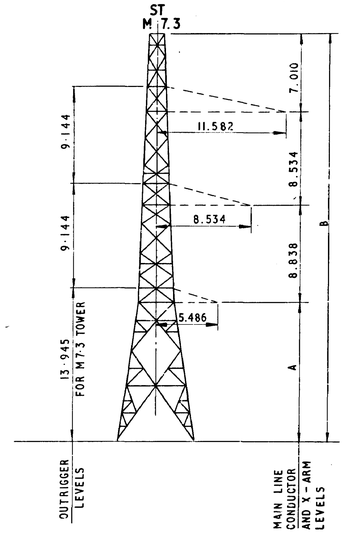


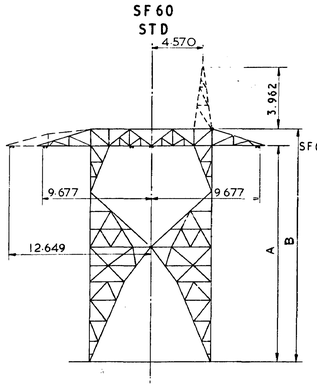
CROSSARM DIMENSIONS ON D, D30, D90,
TAKEN TO CENTRE OF CONDUCTOR ATTACHMENT POINT





CROSSARM DIMENSIONS ON DT. DJT. TAKEN TO END OF STEELWORK.





	TOWER TYPES	A HEIGHT BOTTOM X ARM	B TOTAL TOWER HEIGHT	C BACK TO BACK OF STUBS AT G.L.	D DIMENSIONS OVER CONCRETE A. G.L.	E OVERALL DIMENSION OF FOUNDATION	TOWER WEIGHT TONNES	STUB WEIGHT TONNES	CONCRETE VOLUME M3	FOUNDS TYPE & BLOCK SIZE	REMARKS
D	M24 M7·3	17·232	39·116	5·486 SQ	6·032 SQ	8·672 SQ	10·383	0·402	7·64	4U/C 1·753	
	M12 M3·7	20·981	42·773	6·477 "	7·123 "	9·663 "	11·685	0·402	7·64	4U/C 1·753	
	M 8 M2·4	22·199	43·993	6·807 "	7·353 "	9·993 "	12·070	0·402	7·64	4U/C 1·753	
	STD SH	24·638	46·431	7·467 "	8·013 "	10·654 "	2·984	0·402	7·64	4U/C 1·753	
	E12 E3·7	28·295	50·088	8·458 "	9·004 "	11·644 "	14·376	0·402	7·64	4U/C 1·753	
	E16 E4·9	29·515	51·308	8·788 "	9·334 "	11·974 "	14·660	0·402	7·64	4U/C 1·753	
	E24 E7·3	31·953	53·746	9·449 "	9·995 "	12·635 "	15·524	0·402	7·64	4U/C 1·753	
	E28 E8·5	33·172	54·966	9·779 "	10·325 "	12·965 "	16·601	0·402	7·64	4U/C 1·753	
	E36 E11·0	35·610	57·404	10·439 "	10·985 "	13·625 "	17·465	0·402	7·64	4U/C 1·753	
	E48 E14·6	39·268	61·602	11·430 "	11·967 "	14·616 "	20·137	0·402	7·64	4U/C 1·753	
	E52 E15·9	40·487	62·281	11·760 "	12·306 "	14·946 "	20·482	0·402	7·64	4U/C 1·753	
	E60 E18·3	42·926	64·719	10·668							SLOPE OF LEG CHANGES AT E18·3 GROUND LINE RIVER X-ING TOWERS E18·3 TO E45·7.
	E90 E27·4	52·070	73·863	13·208 "							
	E120 E36·6	61·214	83·007	15·748 "							
	E150 E45·7	70·358	92·151	18·288 "							
						0°-10° 10°-30°					
D30	M24 M7·3	12·573	36·499	7·087 SQ	7·500 SQ	11·206SQ 12·010SQ	16·652	0·965 0·985	4·90 21·15	2U2C 2·590	STUBS 0°-10° STUBS 10°-30°
	M12 M3·7	16·230	40·157	8·343 "	8·758 "	12·463 " 13·267 "	19·172	0·965 0·985	4·90 21·15	2U2C 2·590	D15 EWCO AS D 30 WITH 4U/C
	STD SH	19·888	43·815	9·601 "	10·015 "	13·720 " 14·525 "	21·092	0·965 0·985	4·90 21·15	2U2C 2·590	M7·3 BASIC TOWER 17·251 TONNES
	E12 E3·7	23·545	47·473	10·858 "	11·273 "	14·978 " 15·782 "	23·794	0·965 0·985	4·90 21·15	2U2C 2·590	EXTNS. WEIGHTS AS D30 EXTNS.
	E24 E7·3	27·203	51·130	12·116 "	12·530 "	16·235 " 17·039 "	25·715	0·965 0·985	4·90 21·15	2U2C 2·590	D15 STUB 1·107 TONNES. 4U/C.
	E36 E11·0	30·861	54·788	13·373 "	13·787 "	17·492 " 18·297 "	30·388	0·965 0·985	4·90 21·15	2U2C 2·590	
	E48 E14·6	34·518	58·445	14·630 "	15·045 "	18·750 " 19·554 "	30·967	0·965 0·985	4·90 21·15	2U2C 2·590	
	E60 E18·3	38·176	62·103	15·887 "	16·302 "	20·006 " 20·811 "	35·011	0·965 0·985	4·90 21·15	2U2C 2·590	
						UPLIFT COMP					
D60	M24 M7·3	12·573	37·185	8·078 SQ	8·890 SQ	6·993 6·448	18·653	1·188	28·65	2U2C 3·075	D40 EWCO AS D60 WITH 4U/C
	M12 M3·7	16·230	40·843	9·449 "	10·262 "	7·679 7·134	22·006	1·188	28·65	2U2C 3·073	M7·3 BASIC TOWER 19·273 TONNES
	STD SH	19·888	44·500	10·820 "	11·633 "	8·364 7·820	23·972	1·188	28·65	2U2C 3·073	EXTNS. WEIGHTS AS D60 EXTNS.
	E12 E3·7	23·545	48·158	12·192 "	13·005 "	9·050 8·506	25·369	1·188	28·65	2U2C 3·073	D40 STUB 1·615 TONNES.
	E24 E7·3	27·203	51·816	13·563 "	14·376 "	9·736 9·192	27·340	1·188	28·65	2U2C 3·073	OFFSET 1·828.
	E36 E11·0	30·861	55·474	14·935 "	15·748 "	10·442 9·877	33·690	1·188	28·65	2U2C 3·073	
	E48 E14·6	34·518	59·131	16·306	17·121 "	11·108 10·563	35·956	1·188	28·65	2U2C 3·073	
	E60 E18·3	38·176	62·788	17·677	18·491 "	11·974 11·249	37·490	1·188	28·65	2U2C 3·073	
										U C	
D90	M24 M7·3	12·573	42·062	11·887	13·683 SQ	9·498 8·648	26·772	1·493		2U2C 2·6 2·8	
	M12 M3·7	16·230	45·720	14·021	15·816 "	10·510 9·660	31·445	2·082		2U2C 2·6 2·8	
	STD SH	19·888	49·377	16·154	17·950 "	11·577 10·727	34·259	2·082		2U2C 2·6 2·8	
	E12 E3·7	23·545	53·035	18·288	20·084 "	12·644 11·794	39·867	2·082		2U2C 2·6 2·8	
	E24 E7·3	27·203	56·693	20·421	22·217 "	13·710 12·860	42·672	2·082		2C2C 2·6 2·8	OFFSET 4·953
	E36 E11·0	30·861	60·350	22·555	24·351 "	14·777 13·927	47·975	2·082		2U2C 2·6 2·8	
	E48 E14·6	34·518	64·008	24·688	26·484 "	15·844 14·944	51·492	2·082		2U2C 2·6 2·8	
	E60 E18·3	38·176	67·666	26·824	28·618 "	16·911 16·061	56·388	2·082		2U2C 2·6 2·8	
										U C	
DT	M24 M7·3	12·573	39·014	8·077	9·500	7·360 6·780	30·626	1·685		2U2C 3·531	4U/C TO BE USED FOR
	M12 M3·7	16·230	42·672	9·448	10·871	8·046 7·466	35·045	1·685		2U2C 3·531	THROUGH LINE CONDITIONS.
	STD SH	19·888	46·329	10·820	12·243	8·732 8·152	38·086	1·685		2U2C 3·531	2·343 TONNES
	E12 E3·7	23·545	49·987	11·887	13·614	9·418 8·837	43·170	1·685		2U2C 3·531	
	E24 E7·3	27·203	53·644	13·564	14·906	10·103 9·523	46·215	1·685		2U2C 3·531	
	E36 E11·0	30·861	57·302	14·935	16·358	10·789 10·209	51·106	1·685		2U2C 3·531	
	E48 E14·6	34·518	60·960	16·307	17·810	11·475 10·895		1·685		2U2C 3·531	
	E60 E18·3	38·176	64·617	17·678	19·262	12·161 11·581		1·685		2U2C 3·531	
										U C	
DJT	M24 M7·3	12·573	40·919	10·668	11·786	9·635 8·165	35·956	1·717		4U/C 3·53 3·8	
	M12 M3·7	16·230	44·577	12·446	13·564	10·077 9·052	40·721	2·936		4U/C 3·53 3·8	
	STD SH	19·888	48·235	14·224	15·342	10·968 9·944	43·860	2·936		4U/C 3·53 3·8	
	E12 E3·7	23·545	51·892	16·002	17·120	11·856 10·831	50·464	2·936		4U/C 3·53 3·8	
	E24 E7·3	27·203	55·550	17·780	18·898	12·747 11·722	53·644	2·936		4U/C 3·53 3·8	
	E36 E11·0	30·861	59·207	19·558	20·676	13·635 12·610	58·237	2·936		4U/C 3·53 3·8	
	E48 E14·6	34·518	62·865	21·336	22·454	14·523 13·498	61·508	2·936		4U/C 3·53 3·8	
	E60 E18·3	38·176	66·523	23·114	24·232	15·411 14·386	67·980	2·936		4U/C 3·53 3·8	
		A HEIGHT BOTTOM CONDR.									
ST	M24 M7·3	12·573	36·957	7·087			17·235	1·300			DOWNLEAD LEVELS AS MAIN LINE EXCEPT TOP WHICH IS AT OUTRIGGER LEVEL. OUTRIGGERS 6·706 OR 5·182 LONG FITTED ON DIAGONAL OR SQUARE TO BODY
	M12 M3·7	16·231	40·615	8·344				1·300			
	STD SH	19·888	44·272	9·601			22·109	1·300			
	E12 E3·7	23·546	47·930	10·858				1·300			
	E24 E7·3	27·203	51·587	12·116				1·300			
	E36 E11·0	30·861	55·245	13·373				1·300			
	E48 14·6	34·518	58·902	14·630							
	E60 18·3	38·176	62·560	15·888							
											ADD 3.962 TO COL B WHEN E/W PEAK IS USED. MIDDLE PHASE: 0°-20° DEV. USE CL. OF TWR. 20-60 DEV. OFFSET 1·905m AND LONG EXT'N X-ARM
SF60	M24 M7·3	12.192	13.716	10.973 x 4.572							
	M12 M3·7	15.892	17.416	10.973 x 5.435							
	STD SH	19.592	21.116	10.973 x 6.297							

ALL TOWERS TO BLAW KNOX DESIGN

E	DIMENSION A FOR D63 M7.3 TOWER CORRECTED — MN — J.H. 5.7.83		
D	DT MIDDLE X-ARM DIMENSION CORRECTED DT COL.C AMENDED — D.C.B. 1.4.80	C	ADDITIONAL DETAIL ADDED — A.M.H. 10.2.78
B	ADDITIONAL DETAIL ADDED — D.C.B. 30.12.77	A	ST. DETAIL ADDED — D.C.B. 5.12.77

CONTRACT OR T.R.I. NO.		CENTRAL ELECTRICITY GENERATING BOARD	TRANSMISSION DIVISION
LOCATION		TOWERS & FOUNDATIONS	L8 (C)
SCALE: 1:20		400kV 2x400mm² A.C.S.R. CONDUCTOR	35/8744
DRAWN	D.C.B. 5-12-77	WITH 1x175mm² A.C.S.R. EARTHWIRE	
TRACED	B.E.L. 13-8-75		
CHECKED			

MN