Document Transmittal

Project :- Sub-Transmission Construction Manual

Electronic Website Version

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Date of Issue																					
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Title	*Description*	*Current Issue - Published*	***Issued Document Version Number:***
Files for Internet Website Version			
Overhead Subtransmission Construction Manual - Introduction Ver 3(214.0 KB)	This manual is intended for use by construction and maintenance personnel and details the Ergon Energy standard subtransmission constructions. The manual is a very large document so has been split into sections. This section is the Introduction.	10-Jun-15	1 2 3 -
Section 02 - Index & Assemblies 1001 to 1147 Ver 6 (22.4 MB)	This section covers Assemblies Index & Assemblies 1001 to 1147.	23-Apr-18	1 2 3 4 5 6 7 8
Section 02 - Assemblies 1148 to 1320 Ver 6 (6.8 MB)	This section covers Assemblies 1148 to 1320.	14-Sep-17	1 2 3 - 4 5 6 7
Section 03 - Concrete 66kV Urban Constructions Ver 4 (8.7 MB)	This section covers Concrete 66kV Urban Single & Double Circuit Constructions.	10-Jun-15	1 - 2 - 3 4 -
Section 04 – Concrete SC66kV Rural Constructions 1-22 Ver 4 (17.1 MB)	This section covers Concrete 66kV Rural Single Circuit Constructions.	10-Jun-15	1 - 2 - 3 4 -
Section 04 – Concrete DC66kV Rural Constructions 153 - 168 Ver 4 (7.4 MB)	This section covers Concrete 66kV Rural Double Circuit Constructions.	10-Jun-15	1 - - 2 - 3 -
Section 04 – Concrete SC132kV Rural Constructions 228-243 Ver 4 (10.2 MB)	This section covers Concrete 132kV Rural Single Circuit Constructions.	10-Jun-15	1 - - 2 3 4 -
Section 04 – Concrete SC132kV Rural Constructions 250-264 Ver 3 (1.3 MB)	This section covers Concrete 132kV Rural Double Circuit Constructions.	4-Apr-16	1 - - 2 3 - 4
Section 05 – Pole Stay Constructions Ver 3 (2.3 MB)	This section covers Pole Stay Constructions.	4-Apr-16	1 - - 2 3 - - 4
Section 06 – Conductor Hardware Constructions Ver 5 (3.4 MB)	This section covers Conductor Hardware Constructions.	14-Sep-17	1 - - 2 3 - 4 5
Section 07 – Foundations Ver 3 (1.6 MB)	This section covers Foundations.	4-Nov-13	1 - - 2 - - -
Section 09 – Subsidiary Circuit Constructions Ver 4 (2.9 MB)	This section covers Subsidiary Circuit Constructions.	10-Jun-15	1 2 - - 3 4 -
Section 10 – Earthing Ver 3 (891.5 KB)	This section covers Earthing.	10-Jun-15	1 2 - - - 3 4 5
Section 11 – Bollard Construction Ver 2 (818.1 KB)	This section covers Bollard Constructions.	22-Aug-13	1 2 - - - - -
Section 12 – Switches Ver 4 (1.0 MB)	This section covers ABS Switch Constructions.	4-Apr-16	1 2 - - 3 - - 4
Section 13 - Cable Terminations	This section covers Cable Termination Constructions.	18-Nov-13	- - - - 1 - -
Section 19 – 66kV Concrete Pole Manufacturing Details - Bollard Manufacturing Ver 2 (2.0 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Bollard Manufacturing.	4-Nov-13	1 - - 2 - - -
Section 20 - Pages 1-1 to 2-15 Ver 5 (13.1 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Rural Delta Suspension - Normal & 1 Extended Crossarm & Indexes	4-Apr-16	1 2 3 - 4 - - 5
Section 20 - Pages 3-1 to 3-15 Ver 4 (9.4 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Rural Delta Suspension - 2 Extended Crossarms.	4-Apr-16	1 - 2 - 3 - - 4
Section 20 - Pages 4-1 to 4-5 Ver 3 (3.3 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Rural - Vertical Flying Angle without Crossarms.	4-Apr-16	1 - 2 - - - - 3
Section 20 - Pages 5-1 to 5-5 Ver 2 (3.2 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Rural - Vertical Flying Angle with Crossarms.	4-Apr-16	1 - - - - - - 2
Section 20 - Pages 6-1 to 6-10 Ver 3 (9.6 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Rural - Vertical Strain 0 - 5 (degrees) Angle / Termination Pole.	4-Apr-16	1 - - - 2 - - 3
Section 20 - Pages 7-1 to 7-10 Ver 2 (8.4 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Rural - Vertical Strain 0 - 15 (degrees) Angle / Termination Pole.	4-Apr-16	1 - - - - - - 2
Section 20 - Pages 9-1 to 9-10 Ver 3 (8.3 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Rural - Vertical Strain 15 - 35 (degrees) Angle Pole.	4-Apr-16	1 - 2 - - - - 3
Section 20 - Pages 10-1 to 10-10 Ver 2 (8.4 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Rural - Vertical Strain 35 - 45 (degrees) Angle Pole.	4-Apr-16	1 - - - - - - 2
Section 20 - Pages 11-1 to 11-10 Ver 2 (11.5 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Rural - Vertical Strain 45 - 55 (degrees) Angle Pole.	4-Apr-16	1 - - - - - - 2
Section 20 - Pages 12-1 to 12-10 Ver 2 (11.5 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Rural - Vertical Strain 55 - 65 (degrees) Angle Pole.	4-Apr-16	1 - - - - - - 2
Section 20 - Pages 13-1 to 13-10 Ver 2 (11.5 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Rural - Vertical Strain 65 - 75 (degrees) Angle Pole.	4-Apr-16	1 - - - - - - 2
Section 20 - Pages 14-1 to 14-10 Ver 2 (8.3 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Rural - Vertical Strain 75 - 85 (degrees) Angle Pole.	4-Apr-16	1 - - - - - - 2
Section 20 - Pages 15-1 to 15-10 Ver 3 (8.3 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Rural - Vertical Strain 85 - 95 (degrees) Angle Pole.	4-Apr-16	1 - 2 - - - - 3
Section 20 - Pages 16-1 to 16-10 Ver 3 (8.3 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Rural - Vertical Strain 95 - 105 (degrees) Angle Pole.	4-Apr-16	1 - 2 - - - - 3
Section 20 - Pages 101-1 to 101-5 Ver 4 (3.8 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Double Circuit Rural Delta Suspension - Normal & 1 Extended Crossarm & Indexes	4-Apr-16	1 2 - - 3 - - 4
Section 20 - Pages 102-1 to 102-5 Ver 4 (3.8 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Double Circuit Rural Delta Suspension - 2 Extended Crossarms.	4-Apr-16	1 2 - - 3 - - 4
Section 20 - Pages 106-1 to 106-5 Ver 2 (3.5 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Double Circuit Rural - Vertical Flying Angle with Crossarms.	4-Apr-16	1 - - - - - - 2
Section 20 - Pages 107-1 to 107-10 Ver 2 (7.1 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Double Circuit Rural - Vertical Strain 0 - 5 (degrees) Angle / Termination Pole.	4-Apr-16	1 - - - - - - 2
Section 20 - Pages 108-1 to 108-10 Ver 2 (7.1 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Double Circuit Rural - Vertical Strain 5 - 15 (degrees) Angle Pole.	4-Apr-16	1 - - - - - - 2
Section 20 - Pages 109-1 to 109-10 Ver 2 (7.2 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Double Circuit Rural - Vertical Strain 15 - 35 (degrees) Angle Pole.	4-Apr-16	1 - - - - - - 2
Section 20 - Pages 110-1 to 110-10 Ver 3 (7.3 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Double Circuit Rural - Vertical Strain 35 - 45 (degrees) Angle Pole.	4-Apr-16	1 2 - - - - - 3
Section 20 - Pages 111-1 to 111-10 Ver 3 (7.3 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Double Circuit Rural - Vertical Strain 45 - 55 (degrees) Angle Pole.	4-Apr-16	1 2 - - - - - 3
Section 20 - Pages 112-1 to 112-10 Ver 3 (7.4 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Double Circuit Rural - Vertical Strain 55 - 65 (degrees) Angle Pole.	4-Apr-16	1 2 - - - - - 3
Section 20 - Pages 113-1 to 113-10 Ver 3 (7.3 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Double Circuit Rural - Vertical Strain 65 - 75 (degrees) Angle Pole.	4-Apr-16	1 2 - - - - - 3
Section 20 - Pages 114-1 to 114-10 Ver 2 (7.0 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Double Circuit Rural - Vertical Strain 75 - 85 (degrees) Angle Pole.	4-Apr-16	1 - - - - - - 2
Section 20 - Pages 115-1 to 115-10 Ver 2 (6.9 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Double Circuit Rural - Vertical Strain 85 - 95 (degrees) Angle Pole.	4-Apr-16	1 - - - - - - 2
Section 20 - Pages 116-1 to 116-10 Ver 2 (7.0 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Double Circuit Rural - Vertical Strain 95 - 105 (degrees) Angle Pole.	4-Apr-16	1 - - - - - - 2
Section 20 - Pages 201-1 to 202-4 Ver 2 (7.0 MB)	This section covers 132kV Concrete Pole Manufacturing Details – Single & Double Circuit Rural Suspension Pole.	4-Apr-16	- - - 1 - - - 2
Section 20 - Pages 203-1 to 203-6 Ver 4 (4.2 MB)	This section covers 132kV Concrete Pole Manufacturing Details - Single Circuit Rural Flying Angle Pole.	4-Apr-16	1 2 - - 3 - - 4
Section 20 - Pages 206-1 to 206-6 Ver 3 (5.3 MB)	This section covers 132kV Concrete Pole Manufacturing Details - Single Circuit Rural - Vertical Strain 0 - 5 (degrees) Angle / Termination Pole.	4-Apr-16	1 2 - - - - - 3
Section 20 - Pages 207-1 to 207-6 Ver 3 (5.3 MB)	This section covers 132kV Concrete Pole Manufacturing Details - Single Circuit Rural - Vertical Strain 5 - 15 (degrees) Angle Pole.	4-Apr-16	1 2 - - - - - 3
Section 20 - Pages 208-1 to 208-6 Ver 3 (5.3 MB)	This section covers 132kV Concrete Pole Manufacturing Details - Single Circuit Rural - Vertical Strain 15 - 35 (degrees) Angle Pole.	4-Apr-16	1 2 - - - - - 3

Section 20 - Pages 210-1 to 210-6 Ver 3 (5.2 MB)	This section covers 132kV Concrete Pole Manufacturing Details - Single Circuit Rural - Vertical Strain 35 - 45 (degrees) Angle Pole.	4-Apr-16	1	2	-	-	-	-	-	3													
Section 20 - Pages 211-1 to 211-6 Ver 3 (7.9 MB)	This section covers 132kV Concrete Pole Manufacturing Details - Single Circuit Rural - Vertical Strain 45 - 55 (degrees) Angle Pole.	4-Apr-16	1	2	-	-	-	-	-	3													
Section 20 - Pages 212-1 to 212-6 Ver 3 (7.9 MB)	This section covers 132kV Concrete Pole Manufacturing Details - Single Circuit Rural - Vertical Strain 55 - 65 (degrees) Angle Pole.	4-Apr-16	1	2	-	-	-	-	-	3													
Section 20 - Pages 213-1 to 213-6 Ver 3 (7.9 MB)	This section covers 132kV Concrete Pole Manufacturing Details - Single Circuit Rural - Vertical Strain 65 - 75 (degrees) Angle Pole.	4-Apr-16	1	2	-	-	-	-	-	3													
Section 20 - Pages 214-1 to 214-6 Ver 2 (5.2 MB)	This section covers 132kV Concrete Pole Manufacturing Details - Single Circuit Rural - Vertical Strain 75 - 85 (degrees) Angle Pole.	4-Apr-16	-	-	-	1	-	-	-	2													
Section 20 - Pages 215-1 to 215-6 Ver 2 (5.2 MB)	This section covers 132kV Concrete Pole Manufacturing Details - Single Circuit Rural - Vertical Strain 85 - 95 (degrees) Angle Pole.	4-Apr-16	-	-	-	1	-	-	-	2													
Section 20 - Pages 216-1 to 216-6 Ver 2 (5.1 MB)	This section covers 132kV Concrete Pole Manufacturing Details - Single Circuit Rural - Vertical Strain 95 - 105 (degrees) Angle Pole.	4-Apr-16	-	-	-	1	-	-	-	2													
Section 20 - Pages 303-1 to 303-6 Ver 2	This section covers 132kV Concrete Pole Manufacturing Details - Double Circuit Rural - Vertical Flying Angle Pole.	4-Apr-16	-	-	-	-	1	-	-	2													
Section 20 - Pages 305-1 to 305-6 Ver 2	This section covers 132kV Concrete Pole Manufacturing Details - Double Circuit Rural - Vertical Strain 0 - 5 (degrees) Angle Pole.	4-Apr-16	-	-	-	-	1	-	-	2													
Section 20 - Pages 306-1 to 306-6 Ver 2	This section covers 132kV Concrete Pole Manufacturing Details - Double Circuit Rural - Vertical Strain 5 - 15 (degrees) Angle Pole.	4-Apr-16	-	-	-	-	1	-	-	2													
Section 20 - Pages 307-1 to 307-6 Ver 2	This section covers 132kV Concrete Pole Manufacturing Details - Double Circuit Rural - Vertical Strain 15 - 35 (degrees) Angle Pole.	4-Apr-16	-	-	-	-	1	-	-	2													
Section 20 - Pages 308-1 to 308-6 Ver 2	This section covers 132kV Concrete Pole Manufacturing Details - Double Circuit Rural - Vertical Strain 35 - 45 (degrees) Angle Pole.	4-Apr-16	-	-	-	-	1	-	-	2													
Section 20 - Pages 309-1 to 309-6 Ver 2	This section covers 132kV Concrete Pole Manufacturing Details - Double Circuit Rural - Vertical Strain 45 - 55 (degrees) Angle Pole.	4-Apr-16	-	-	-	-	1	-	-	2													
Section 20 - Pages 310-1 to 310-6 Ver 2	This section covers 132kV Concrete Pole Manufacturing Details - Double Circuit Rural - Vertical Strain 55 - 65 (degrees) Angle Pole.	4-Apr-16	-	-	-	-	1	-	-	2													
Section 20 - Pages 311-1 to 311-6 Ver 2	This section covers 132kV Concrete Pole Manufacturing Details - Double Circuit Rural - Vertical Strain 65 - 75 (degrees) Angle Pole.	4-Apr-16	-	-	-	-	1	-	-	2													
Section 20 - Pages 312-1 to 312-6 Ver 2	This section covers 132kV Concrete Pole Manufacturing Details - Double Circuit Rural - Vertical Strain 75 - 85 (degrees) Angle Pole.	4-Apr-16	-	-	-	-	1	-	-	2													
Section 20 - Pages 313-1 to 313-6 Ver 2	This section covers 132kV Concrete Pole Manufacturing Details - Double Circuit Rural - Vertical Strain 85 - 95 (degrees) Angle Pole.	4-Apr-16	-	-	-	-	1	-	-	2													
Section 20 - Pages 314-1 to 314-6 Ver 2	This section covers 132kV Concrete Pole Manufacturing Details - Double Circuit Rural - Vertical Strain 95 - 105 (degrees) Angle Pole.	4-Apr-16	-	-	-	-	1	-	-	2													
Section 21 - Pages 1-1 to 2-15 Ver 4 (10.28 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Urban Delta Intermediate Pole.	4-Apr-16	1	-	2	-	3	-	-	4													
Section 21 - Pages 3-1 to 3-15 Ver 3 (9.1 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Urban Vertical Intermediate Pole.	4-Apr-16	1	2	-	-	-	-	-	3													
Section 21 - Pages 4-1 to 4-15 Ver 2 (8.6 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Urban Flying Angle Pole.	4-Apr-16	1	-	-	-	-	-	-	2													
Section 21 - Pages 5-1 to 5-10 Ver 2 (8.0 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Urban - Vertical Strain 0 - 5 (degrees) Angle / Termination Pole.	4-Apr-16	1	-	-	-	-	-	-	2													
Section 21 - Pages 6-1 to 6-10 Ver 2 (8.3 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Urban - Vertical Strain 0 - 15 (degrees) Angle / Termination Pole.	4-Apr-16	1	-	-	-	-	-	-	2													
Section 21 - Pages 7-1 to 7-10 Ver 2 (8.5 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Urban - Vertical Strain 15 - 35 (degrees) Angle Pole.	4-Apr-16	1	-	-	-	-	-	-	2													
Section 21 - Pages 8-1 to 8-10 Ver 2 (8.5 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Urban - Vertical Strain 35 - 45 (degrees) Angle Pole.	4-Apr-16	1	-	-	-	-	-	-	2													
Section 21 - Pages 9-1 to 9-10 Ver 2 (8.7 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Urban - Vertical Strain 45 - 55 (degrees) Angle Pole.	4-Apr-16	1	-	-	-	-	-	-	2													
Section 21 - Pages 10-1 to 10-10 Ver 2 (8.7 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Urban Vertical Strain 55 - 65 (degrees) Angle Pole.	4-Apr-16	1	-	-	-	-	-	-	2													
Section 21 - Pages 11-1 to 11-10 Ver 2 (8.7 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Rural - Vertical Strain 65 - 75 (degrees) Angle Pole.	4-Apr-16	1	-	-	-	-	-	-	2													
Section 21 - Pages 12-1 to 12-10 Ver 2 (7.7 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Urban - Vertical Strain 75 - 85 (degrees) Angle Pole.	4-Apr-16	1	-	-	-	-	-	-	2													
Section 21 - Pages 13-1 to 13-10 Ver 2 (7.7 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Urban Vertical Strain 85 - 95 (degrees) Angle Pole.	4-Apr-16	1	-	-	-	-	-	-	2													
Section 21 - Pages 14-1 to 14-10 Ver 3 (7.7 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Urban - Vertical Strain 95 - 105 (degrees) Angle Pole.	4-Apr-16	1	2	-	-	-	-	-	3													
Section 21 - Pages 15-1 to 15-10 Ver 4 (9.9 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Double Circuit Urban Vertical Intermediate Pole.	4-Apr-16	1	2	-	-	3	-	-	4													
Section 21 - Pages 20-1 to 20-10 Ver 4 (5.6 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single Circuit Semi-Urban Delta Intermediate Pole.	4-Apr-16	1	2	-	-	3	-	-	4													
Section 21 - Pages 21-1 to 21-10 Ver 4 (6.1 MB)	This section covers 66kV Concrete Pole Manufacturing Details - Single & Double Circuit Semi-Urban Vertical Intermediate Pole.	4-Apr-16	1	2	-	-	3	-	-	4													
Section 23 - Pages 2-1 to 3-2 Ver 3 (460.7 KB)	This section covers 66kV Concrete Pole Manufacturing Details -Cable Termination Poles.	4-Apr-16	1	-	-	-	2	-	-	3	4												
Section 24 - Pages 1-1 to 2-3 Ver 1	This section covers 66kV Concrete Pole Manufacturing Details - ABS Switch Poles.	18-Nov-13	-	-	-	-	1	-	-	-													
		Register Issue No:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

Issue To:

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C-Courier **E**-Email **D**-Data Transfer (Electronic) **HD**- Hand Delivered **M**-Mail **P**-Pickup **O**-Other.	D	D	D	D	D	D	D	D	D	D	D	D									