

Annex C (Informative)

Minimum requirements for line inspection in a line works order

1	2	3	4	5			
	Inspected by:	Date:	Guyed Tower				
A. Pole :Identification :Anti-climbing :Servitude :Tree clearance :Gate locks :Access	Is the Pole numbered? 1.	Are there access road wash-a-ways? 7.		1.			
	Is the number peeling? 2.	Is the retaining wall damaged? 8.		2.			
	Is the number clear? 3.			3.			
	Is the anti climbing device damaged? 4.	Are any trees growing towards the phases, which can get too close to the line? 9.		4.			
	Is the anti-climbing device obstruction free? 5.	Are all locks in place? 10.		5.			
	Is the service road obstruction free? 6.	Is there any damage to the gates? 11.		6.			
		Is access difficult, is a helicopter required) - or new roads or quarries appearing? 12 (use remarks column)		7.			
				8.			
				9.			
				11.			
				12.			

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B. Earthing :Adequate :Test results	Is it bolted tightly? 1. Is the bolt rusting? 2.	Remove some soil where the earth strap/cable enters the ground – is the metal corroding? 3		1.			
				2.			
				3.			
C. Stays/guys :Corrosion :Tension :Grip :Strand	Is the guy/cross head housing or U-bolt rusting? 1. Is there visible slip between guy wire and performed rods? 2. Are the tamper guards in place? 3. Examine cut guy end – are strands all the same lengths? 4. Remove some soil around anchor link.	Is bitumen still present – is there rust? 5. Does the guy wire appear to be slack? 6.		1.			
				2.			
				3.			
				4.			
				5.			
				6.			
D. Insulators :Clean :Damaged :Clips missing	Are the insulators dirty? 1. Is it bird dirt? 2. Is it pollution? 3. Are the insulators broken? 4. Insert number of broken per string and position. 5. Is there faulting on insulators? 6. Is there any security clips missing? 7.	Is there wasting at pins/stems? 8. Is there a discoloration of hardware? 9. Insulator type: 10 (insert letter in block 10) Porcelain (A) Glass(B) Cycloaliphatic (C) Composites (D)		1.			
				2.			
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				6.			
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				10.			

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D. Conductor and earth wire :Condition :Spacers :Dampers :Jumpers :Joints	Check suspension clamp for wear. 1. Is the damper/spacer distorted? 2. Is there any loose wire or bird caging? 3. Is there any bulging of wire? 4. Is there white powder on the conductor? 5. Does the conductor appear to be wearing? 6. Are there burn marks on the conductors? 7. Is the bundle twisted? 8. Is the hardware wearing? 9. (look with binoculars)	Is conductor pulling through the two halves of AGS clamps? 10. Look for heat discoloration on ends of midspan joins and strain clamps dampers, etc. 11. Is there a railway line within +- 800 m? 12. Is there insulation on the earth wire? 13. Are there loose bolts on the clamp? 14. Is the PG Clamp in place on the jumper? 15. Have the dampers moved along the span? 16. Is there damage due to armour rods? 17.		1.			
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			17.				