

Reasoned Document for Draft Specification of Solid Core Porcelain Cylindrical Post Insulators for systems with nominal voltage of 66kV, 110 kV, 132kV & 220kV No. TI/SPC/OHE/POST/0101

1. Draft revised Specification no TI/SPC/OHE/POST/0100, Rev-01 of solid core porcelain Cylindrical Post Insulators for systems with nominal voltage of 66kV, 110 kV, 132kV & 220kV was uploaded on RDSO website for 30 days (from 19.08.2020 to 18.09.2020) for comments and suggestion.
2. No comments have been received from firms.

SN.	RDSO specification clause & description	Correction made by RDSO	RDSO Remarks
1.	Clause 1.3	Correction made by RDSO	<ol style="list-style-type: none"> 1. Description of specification modified as mentioned in different IEC and IS. 2. IS:14329 is removed. 3. IS:2544 is removed. Since IS 2544 is superseded by : IS/IEC 60168 : 2000 4. IEC 60672-2:1999 latest is added. 5. IS: 1865 Reaffirmed 2020 or latest is added. 6. IS: 5350 Part-II Reaffirmed 2019 latest is added.
2.	Clause 2.3	Correction made by RDSO	Clause "A-1.8" is modified as Clause "6.2.8".
3.	Clause 2.4	Correction made by RDSO	Clause "A-1.9" is modified as Clause "6.2.9".
4.	Clause 3.3	Correction made by RDSO	<ol style="list-style-type: none"> 1. Heart malleable cast iron conforming to Grade BN: 350 of IS: 14329 or is removed. 2. Forged steel fittings to BS-970 (Part-II) is added. 3. IS: 4218 (Part I to VI). Is made as IS: 4218
5.	Clause 5.1	Correction made by RDSO	Bending is added.
6.	Clause 5.3		Mending is modified as bending

1062398/2022/O/O ⁷ PED/TI/RDSO	Clause 6.1.3.1 table 5 A		<p>Wet one minute power frequency withstand voltage test and wet one minute power frequency maximum withstand voltage test.</p> <p>Wet power frequency withstand voltage test and wet power frequency maximum withstand voltage test.</p> <p>Name of test corrected as above according to clause 6.2.9</p>
8.	Clause 6.2.3		T=I 5+0.7M is modified as T=15 +0.7M,
9.	Clause 6.2.4.2		A- I .4.4, is modified as 6.2.4
10.	Appendix A,B & C	Correction made by RDSO	Appendix A has been deleted and added in clause no 6.2 of specification (SN 6.2.1 to 6.2.10) . Appendix B has been re-named as Appendix 1 and appendix C has been renamed as Appendix 2
11.	Clause 6.2.4.3		tensional is replaced by torsional
12.	Clause 6.2.10		TABLE-4 is modified as Table-2
13.	Clause 6.3		Ensued is modified as Ensured
14.	Clause 6.2.7		<p>1. "clause 4" is modified as "clause-5"</p> <p>2. IEC Publication 672-2. Is modified as 60672-2.</p> <p style="text-align: center;">$m \cdot 1 \div pw$</p> <p>" Bulk density = $\frac{m \cdot 1 \div pw}{m^3 - m^2}$</p> <p>is modified as</p> <p style="text-align: center;">$m \cdot 1 \times pw$</p> <p>"Bulk density = $\frac{m \cdot 1 \times pw}{m^3 - m^2}$"</p>
15.	Clause 6.2.9	Correction made by RDSO	"Clause 3.3" is modified as "clause 4.4"
16.	Clause 6.4	Correction made by RDSO	"Acceptance Criteria" is modified as "Acceptance Criteria of prototype Tests"
17.	Clause 7.3		"Acceptance criteria" is modified as "acceptance criteria of acceptance test"

	Clause 7.6		“Copy of the acceptance test report shall be sent immediately by the manufacturer, after acceptance or rejection of a lot, as the case may be, to Director General (TI), RDSO, Lucknow and the Purchaser. Consolidated report of financial year, should be furnished to RDSO with summary of results in the first month i.e April, of next financial year. The report shall be reviewed by RDSO, before issuing vendor directory for the period July to December of that particular year & for considering renewal” is removed since new renewal is not done at RDSO.
19.	Clause 8.1.1	Correction made by RDSO	“Clause: A-1.1” is modified as “clause 6.2.1”
20.	Clause 8.1.4	Correction made by RDSO	“Clause: A-1.5” is modified as “clause 6.2.5”
21.	Clause 9.0	Correction made by RDSO	Clause 9.0 is deleted. Clause 9.0 is merge with clause 4.0 Clause 9.1 and clause no 9.2 becomes new sub clause 4.1 and 4.2. Clause no.4.0 is now new sub clause No.4.3
22.	Clause 11.3	Correction made by RDSO	Clause 11.3 is modified as “After the insulator has passed all the type tests the manufacture shall submit the original tracings of all the drawings in CAD version/PDF Format and printed copy which have been approved for prototype tests only along with two sets of reproducible to Director General (TI), RDSO, Lucknow (India) “ Tracing is not maintained at RDSO and Autocad and PDF format are in use,

1062398/2022/O/o PED/II/RDSO	23. Clause 14.0	Correction made by RDSO	<p>I. Heading " ISO" for clause is added.</p> <p>II. ISO document Version No: 2.0 dated 24.09.2021 or latest is modified in place of version No:1.3 dated 01.07.2020</p>
24.	Annexure -1	Correction made by RDSO	Table -1 and table – 2 is renumbered as Table1-1 and Table 1-2.
25.	Clause No.1.2	Correction made by RDSO	<p>New clause No. 1.2 is added.</p> <p>Wherever mentioned "Director General (TI),RDSO,Lucknow" in this specification shall be read as " Competent Authority of Vendor Approval Agency".</p>
26.	Appendix 1 (earlier AppendixA)	Correction made by RDSO	Table 4 is replaced with Table 2 to correct typing error in final draft spec.
27.	Clause 7.1 and table 7	Correction made by RDSO	<p>Sequence of mechanical strength test in clause 7.1 and table 7 are changed.</p> <p>Earlier sequence of test is Bending test, Tensile test, Torsion test and compression test.</p> <p>Now sequence of test are Tensile test, Bending test, Compression and Torsion test</p>