Re: Comments received on draft amendment to Indian Standard IS 5561: 2018 'Electric power connectors - Specification (First Revision)'

From : wadhwani1962@gmail.com

Subject : Re: Comments received on draft amendment to Indian Standard IS 5561: 2018 'Electric power connectors -Specification (First Revision)'

To: ETD DEPARTMENT <eetd@bis.gov.in>

Mon, Jul 17, 2023 09:31 PM

Dear Sir,

With reference to your trailing mail, as no further comments are received from Kerala State Electricity Board, the amendment to IS 5561, 2018 is approved for further needful.

With Regards,

MK Wadhwani Chairman ETD 08

On Mon, Jul 17, 2023 at 10:01 AM ETD DEPARTMENT <<u>eetd@bis.gov.in</u>> wrote: Dear Sir,

This has reference to the amendment to IS 5561: 2018. The clarifications to the comments have been sent to Kerala State Electricity Board and no further comments were received from the organization.

It is, therefore, requested to kindly provide your approval to finalize the amendment in the capacity of Chairman, ETD 08.

Thanks & Regards,

Ashok Kumar Sc B & member secretary ETD 08 विद्युत तकनीकी विभाग | Electrotechnical Department भारतीय मानक ब्यूरो | Bureau of Indian Standards उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय | Ministry of Consumer Affairs, Food & Public Distribution भारत सरकार | Government of India मानक भवन, 9 बहादुरशाह ज़फर मार्ग | Manak Bhawan, 9 Bahadur Shah Zafar Marg नई दिल्ली - ११०००२ | New Delhi - 110002 दूरभाष Phone: +91 011 23231192, 2360 8271/8356/8427/8405 ईमेल e-Mail: <u>eetd@bis.gov.in</u> | वेबसाइट Website: <u>www.bis.gov.in</u>

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From: "ETD DEPARTMENT" < eetd@bis.gov.in >
To: wadhwani1962@gmail.com

Sent: Tuesday, July 11, 2023 3:29:01 PM

Subject: Re: Comments received on draft amendment to Indian Standard IS 5561: 2018 'Electric power connectors - Specification (First Revision)'

Dear Sir,

This has reference to the amendment to IS 5561: 2018. The clarifications to the comments have been sent to Kerala State Electricity Board and no further comments were received from the organization.

It is, therefore, requested to kindly provide your approval to finalize the amendment in the capacity of Chairman, ETD 08.

Thanks & Regards,

Ashok Kumar Sc B & member secretary ETD 08 विद्युत तकनीकी विभाग | Electrotechnical Department भारतीय मानक ब्यूरो | Bureau of Indian Standards उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय | Ministry of Consumer Affairs, Food & Public Distribution भारत सरकार | Government of India मानक भवन, 9 बहादुरशाह ज़फर मार्ग | Manak Bhawan, 9 Bahadur Shah Zafar Marg नई दिल्ली - ११०००२ | New Delhi - 110002 दूरभाष Phone: +91 011 23231192, 2360 8271/8356/8427/8405 ईमेल e-Mail: <u>eetd@bis.gov.in</u> | वेबसाइट Website: <u>www.bis.gov.in</u>

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From: "ETD DEPARTMENT" <<u>eetd@bis.gov.in</u>>

To: wadhwani1962@gmail.com

Sent: Thursday, July 6, 2023 11:40:35 AM

Subject: Re: Comments received on draft amendment to Indian Standard IS 5561: 2018 'Electric power connectors - Specification (First Revision)'

Dear Sir,

This has reference to the amendment to IS 5561: 2018. The clarifications to the comments have been sent to Kerala State Electricity Board and no further comments were received

from the organization.

It is, therefore, requested to kindly provide your approval to finalize the amendment in the capacity of Chairman, ETD 08.

Thanks & Regards,

Ashok Kumar Sc B & member secretary ETD 08 विद्युत तकनीकी विभाग | Electrotechnical Department भारतीय मानक ब्यूरो | Bureau of Indian Standards उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय | Ministry of Consumer Affairs, Food & Public Distribution भारत सरकार | Government of India मानक भवन, 9 बहादुरशाह ज़फर मार्ग | Manak Bhawan, 9 Bahadur Shah Zafar Marg नई दिल्ली - ११०००२ | New Delhi - 110002 दूरभाष Phone: +91 011 23231192, 2360 8271/8356/8427/8405 ईमेल e-Mail: <u>eetd@bis.gov.in</u> | वेबसाइट Website: <u>www.bis.gov.in</u>

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From: "ETD DEPARTMENT" <<u>eetd@bis.gov.in</u>>

To: wadhwani1962@gmail.com

Sent: Sunday, June 25, 2023 11:53:16 AM

Subject: Fwd: Comments received on draft amendment to Indian Standard IS 5561: 2018 'Electric power connectors - Specification (First Revision)'

Dear Sir,

With reference to the trailing mail regarding the draft amendment to IS 5561, if the committee already discussed the amendment thoroughly during the meeting to keep the resistance test in abeyance then the draft amendment can be finalized.

An email to Kerala State Electricity Board will be sent stating that, after extensive discussions, the Sectional committee decided to remove the test in alignment with international standards.

In this regard, kindly consider the above and provide your valuable suggestions.

Thanks & Regards,

Ashok Kumar Sc B & member secretary ETD 08 विद्युत तकनीकी विभाग | Electrotechnical Department भारतीय मानक ब्यूरो | Bureau of Indian Standards उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय | Ministry of Consumer Affairs, Food & Public Distribution भारत सरकार | Government of India मानक भवन, 9 बहादुरशाह ज़फर मार्ग | Manak Bhawan, 9 Bahadur Shah Zafar Marg नई दिल्ली - ११०००२ | New Delhi - 110002 दूरभाष Phone: +91 011 23231192, 2360 8271/8356/8427/8405 ईमेल e-Mail: <u>eetd@bis.gov.in</u> | वेबसाइट Website: <u>www.bis.gov.in</u>

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From: vensuntecho@gmail.com

To: "ETD DEPARTMENT" <<u>eetd@bis.gov.in</u>>

Cc: <u>apganga@powergridindia.com</u>, <u>amandeep@powergridindia.com</u>,

tyagir@powergridindia.com, "se tnc hmgh" <<u>se.tnc.hmgh@rvpn.co.in</u>>, "xen tnc ajmer" <<u>xen.tnc.ajmer@rvpn.co.in</u>>, "P S HARIHARAN" <<u>pshariharan@recl.nic.in</u>>,

<u>dineshkumar@recl.nic.in</u>, "ambrish gandhi" <<u>ambrish.gandhi@se.com</u>>, "mainak sinharoy" <<u>mainak.sinharoy@se.com</u>>, "nandeesh kumar" <<u>nandeesh.kumar@se.com</u>>, "subodh

kale" <<u>subodh.kale@siemens.com</u>>, "mahesh sonawane"

<<u>mahesh.sonawane@siemens.com</u>>, "ramadharababu thummapal"

<ramadharababu.thummapal@siemens.com>, "gulshan kumar"

<gulshan.kumar@sailcet.co.in>, "vk pal" <<u>vk.pal@sailcet.co.in</u>>, "darshan shah"

<<u>darshan.shah@stelmec.com</u>>, "partha ghosh" <<u>partha.ghosh@stelmec.com</u>>, "brajanath dey" <<u>brajanath.dey@tatapower-ddl.com</u>>, <u>wadhwani1962@gmail.com</u>

Sent: Friday, June 23, 2023 6:40:47 PM

Subject: Re: Comments received on draft amendment to Indian Standard IS 5561: 2018 'Electric power connectors - Specification (First Revision)'

Dear sir

We refer to your email and would like to inform you that the Bureau of Indian Standards (BIS) -Committee, ET-08,

have thoroughly discussed this matter since 2013, engaging in extensive deliberations and meetings. After careful consideration,

the committee decided to remove the test in alignment with international standards such as ANSI/NEMA CC1, among others.

All justifications for eliminating the test from the scope of the standard have been reviewed and found to be satisfactory.

A sub-committee, led by POWERGRID, has been established, and it has been agreed upon to eliminate the test mentioned

in IS 5561-2018. Therefore, we affirm that the test shall be removed and deleted from the scope of the standard. The harmonization

of Indian standards with international norms has been one of the primary objectives of this revision process

In response to the comments from the Kerala State Electricity Board, specifically regarding Clause 12 - Resistance Test,

we would like to provide the following clarification.

COMMENTS - Kerala State Electricity Board:

1) Clause 12- Resistance Test is being proposed to be kept in abeyance.

A resistance test is required and the values of contact resistance need to be specified as required for the equipment connected

Our reply :

A resistance test is not required and is agreed by all the committee members

it is not feasible to define specific contact resistance values since connectors come in various types and designs. The connector

design depends on system voltage, short-circuit current, current rating, bundle conductor numbers and conductors diameter,

equipment type, and other various parameters

We have also been informed that the revised standard is under the printing process and nearing completion. We are looking forward to receiving an amendment to the above standard at the earliest

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Hoping to form a lifelong association

Kind Regards

J.MAHENDRAN, B.E. Director VENSUN TECHO LINKS (P) LTD 74/1 & 74 /5 , TASS INDUSTRIAL ESTATE AMBATTUR SIDCO ESTATE CHENNAI -6000098 Mobile : 9003076567/ 43111070 E-mail : <u>vensuntecho@gmail.com</u>

On Fri, Jun 23, 2023 at 5:39 PM ETD DEPARTMENT <<u>eetd@bis.gov.in</u>> wrote: Dear Sir/Madam,

This has reference to the amendment to Indian Standard IS 5561: 2018 'Electric power connectors - Specification (First Revision)'. As decided during the sectional committee meeting, the draft amendment was circulated to all relevant stakeholders especially

State utilities/DISCOMS seeking their comments. During the wide circulation period, the following comments were received from **Kerala State Electricity Board:**

1) Clause 12- Resistance Test is being proposed to be kept in abeyance. Resistance test is required and the values of contact resistance need to be specified as required for the equipment connected.

2) Clause 8.1- Inclusion of Note 'Electrical surface may be machined and free from cast skin'

The specification for the machined surface may also be included.

It is requested to kindly review these comments and suggest any necessary changes to the amendment, if applicable.

Thanks & Regards,

Ashok Kumar Sc B & member secretary ETD 08 विद्युत तकनीकी विभाग | Electrotechnical Department भारतीय मानक ब्यूरो | Bureau of Indian Standards उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय | Ministry of Consumer Affairs, Food & Public Distribution भारत सरकार | Government of India मानक भवन, 9 बहादुरशाह ज़फर मार्ग | Manak Bhawan, 9 Bahadur Shah Zafar Marg नई दिल्ली - ११०००२ | New Delhi - 110002 दूरभाष Phone: +91 011 23231192, 2360 8271/8356/8427/8405 ईमेल e-Mail: eetd@bis.gov.in | वेबसाइट Website: www.bis.gov.in

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Sent: Wednesday, June 7, 2023 11:01:58 AM **Subject:** Re: Request for comments on draft amendment to Indian Standard IS 5561: 2018 'Electric power connectors - Specification (First Revision)'

Sir,

While issuing the amended standard, the following points may be taken care off

1) Clause 12- Resistance Test is being proposed to be kept in abeyance.

Resistance test is required and the values of contact resistance need to be specified as required for the equipment connected.

2) Clause 8.1- Inclusion of Note 'Electrical surface may be machined and free from cast skin'

The specification for the machined surface may also be included.

Regards

O/o Director (T,SO,P&S)

KSEBL

Request for comments on draft amendment to Indian Standard IS Subject: 5561: 2018 'Electric power connectors - Specification (First Revision)'

Date: Wed, 15 Mar 2023 16:41:44 +0530 (IST)

From: ETD DEPARTMENT <<u><eetd@bis.gov.in></u>

To: cmd@uppcl.org, chairmanuppcl@gmail.com, md@uppcl.org, cmd@upptcl.org, md@pvvnl.org, info@mvvnl.in, dvvnlmd@gmail.com, cmd cmd <cmd@apeasternpower.com>, Chairperson NDMC <chairperson@ndmc.gov.in>, mddiscom@cspc.co.in, mddiscom@gmail.com, md.guvnl@gebmail.com, dgvcl@gebmail.com, md.dgvcl@gebmail.com, md.mgvcl@gebmail.com,

md.pgvcl@gebmail.com, jinalmehta@torrentpower.com, md@ugvcl.com, md@hppcl.in, mdjusnl@gmail.com, md@bescom.co.in, md@kptcl.com, mdkpcl@gmail.com, prsenergy@karnataka.gov.in, md@cescmysore.org, cmdkseb@kseb.in, md@mppmcl.com, cmdeast@hotmail.com, Amritpal Singh amritpalsingh.cz@mp.gov.in, reliancepower.investors@relianceada.com, comsecy.sg.gom@gmail.com, orierc@rediffmail.com, orierc@gmail.com, cmdpspcl@pspcl.in, cmd@pstcl.org, jaipurdiscom@rajenergy.com, csavvnl@gmail.com, cmd.rvpn@rvpn.co.in, cmd@rrvun.com, md.jdvvnl@rajasthan.gov.in, md.ruvnl@rajasthan.gov.in, Badri Narain Sharma <<u>b.narayan@nic.in></u>, <u>chairman@tnebnet.org</u>, dgtangedco@tnebnet.org, ddtangedco@tnebnet.org, directorprj@tnebnet.org, fin.secy.tr21@gmail.com, managing.director@tsecl.in, radharaturi06@gmail.com, md@upcl.org

Respected Sir/Madam,

As you are aware, Bureau of Indian Standards (BIS) as the National Standards Body is engaged in the formulation of Indian Standards in various areas of science and technology. These standards are developed by relevant technical committees comprising of representatives of various stakeholder interests such as industry, consumers, technologists, scientists, professionals, academicians, government policymakers, regulators etc.

Under the Electrotechnical Division Council (ETDC) of BIS, technical committee ETD 08 'High Voltage Switchgear and Controlgear' is responsible for preparation of Indian Standards for switchgear and controlgear; such as circuit breakers, switches contactors, starters, disconnectors, busbars and any switchgear assemblies for voltages more than 1000 V a.c.

The above committee has prepared a **Draft Amendment no. 1 to IS 5561: 2018 'Electric power connectors – Specification'.**

Please find enclosed a copy of the following draft amendment to Indian Standard:

Doc No.	Title
ETD 08	Draft Amendment no. 1 to IS 5561: 2018 Electric power
(22070)	connectors - Specification (First Revision)

Two major changes are proposed to be introduced:

1) **Resistance Test is being proposed to be kept in abeyance**. It is understood that testing procedure of the resistance test is not specified for all types of conductors/configurations which may lead to significant difference in results. Further, the contact resistance can be correlated from the Temperature rise test. Given the inconsistencies being faced in the field, it is proposed to keep the test in abeyance.

2) Further, from the user perspective, *a recommendatory note* is proposed to be added to give guidance *for achieving the surface smoothness and desired resistivity*.

<u>Kindly examine the draft amendment and forward your views stating any</u> <u>difficulties which you are likely to experience in your utility, if this</u> <u>amendment is finally adopted as an Amendment to Indian Standard IS 5561.</u>

Comments, if any, may please be made in the enclosed format and mailed to the undersigned.

Last date for comments: 11-05-2023

In case no comments are received or comments received are of editorial nature, you will kindly permit us to presume your approval for the above document as finalized. However, in case of comments of technical in nature are received then it will be finalized in consultation with the Sectional Committee.

Thanking you,

Yours faithfully

(Priti Bhatnagar)

Head (Electrotechnical)

Email: <u>eetd@bis.gov.in</u>

Encl : See attachment विद्युत तकनीकी विभाग | Electrotechnical Department भारतीय मानक ब्यूरो | Bureau of Indian Standards उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय | Ministry of Consumer Affairs, Food & Public Distribution भारत सरकार | Government of India मानक भवन, 9 बहादुरशाह ज़फर मार्ग | Manak Bhawan, 9 Bahadur Shah Zafar Marg नई दिल्ली - ११०००२ | New Delhi - 110002 दूरभाष Phone: +91 011 23231192, 2360 8271/8356/8427/8405 ईमेल e-Mail: <u>eetd@bis.gov.in</u> | वेबसाइट Website: <u>www.bis.gov.in</u>

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Hoping to form a life long association

Kind Regards

J.MAHENDRAN, B.E. Director VENSUN TECHO LINKS (P) LTD 74/1 & 74 /5, TASS INDUSTRIAL ESTATE AMBATTUR SIDCO ESTATE CHENNAI -6000098 Mobile : 9003076567/ 43111070 E-mail : <u>vensuntecho@gmail.com</u>