Central Organisation for Railway Electrification
1-Nawab Yusuf Road, Civil Lines, Prayagraj (UP) -211001
www.core.indianrailways.gov.in
dyceemp@gmail.com

No. QAE/OHE/CAT/KEC/17/01 **Date-**05.06.2024

M/s KEC International Ltd.
RPG House, 463, Dr. Annie Besant Road,
Worli Mumbai,
Maharashtra - 400030, India.

Sub- Delisting of **M/s KEC International Ltd.** with work addressed at –"Plot No. 803, SamlayaSavli Road, Village - Godampura, Taluka- Savli Vadodara, Gujarat – 391520, India" for manufacture and supply of 65 sq mm Copper Cadmium Catenary wire as per RDSO's Specification No. ETI/OHE/50 (6/97) with A & C Slip No. 1 to 6. (Revised specification no. TI/SPC/OHE/CAT(Cu-Cd)/0971 w.e.f 04.01.2021).

Ref-(i) Show Cause Notice no. QAE/OHE/CAT/KEC/17/01 dated 16.01.2024.
(ii) Firm's reply letter dated 04.02.2024.
(iii) This office letter no.QAE/OHE/CAT/KEC/17/01 dated 18.04.2024
(iv) Firm's reply letter dated 24.04.2024.

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1.0 Vide this office letter under ref (i) Show Cause Notice was issued to your firm for failures of 65 sq mm Cadmium Copper Catenary Wire and major non-compliance of the RDSO/CORE approved QAP of 65 sq mm Copper Cadmium Catenary wire.

2.0 In this regards your representation vide letter under ref- (ii & iv) against the show cause notice has been considered by the Competent Authority (CAO/CORE) and the decision of Competent Authority (CAO/CORE) regarding penal action in this case is as given below :

Issue no.1:Whether proper procedure is adopted by National test House, Ghaziabad for conductingthe tensile test?

M/s KEC International representationNo 1 :

Firm vide letter dated 04.02.2024 & 24.04.2024 mentioned that NTH did not break the wire in a controlled manner as mentioned in RDSO specification and further said that the testing has been done on full speed.

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Reply on KEC's above representation:

i. As per NTH test report no NTH(NR)/M(L)/23/6155_1 with Section Code: 23CHE6CIN and Section Certificate No. 23CHE6IN_1 Dated 21.11.2023 provided by Vigilance department of CORE/PRYJthat the tensile testing conducted as per applicable clause 8.3.6 of RDSO spec. No. TI/SPC/OHE/CAT (Cu-Cd)/0971.

ii. As per Para 8.3.6 of RDSO specification no. TI SPC OHE CAT Cu-Cd 0971*"The load shall be applied gradually and the rate of separation of the jaws of the testing machine shall not be greater than 10 cm per minute and shall be so adjusted that the total time of the testing from the moment of the application of the load till fracture is between 15 and 60 seconds."*

iii. Further, NTH Ghaziabad repliedto the query of this office as requested by firm that "*Tensile test was carried out on 20 kN capacity Computerised universal testing machine. Calibration certificate is attached at annexure-1."*

iv. National Test House, Ghaziabad is an NABL accredited Lab which is an independent Lab,where the testing isdone without involvement of Vendor/Railways and NTH, Ghaziabad has alreadymentioned that testing is conducted as per Para 8.3.6 of RDSO spec. No. TI/SPC/OHE/CAT (Cu-Cd)/0971.

Hence the objection raised by firm M/s KEC International Ltd. regarding break the wire in controlled manner as per RDSO spec. No. TI/SPC/OHE/CAT (Cu-Cd)/0971byNTH, Ghaziabadis not acceptable.

Issue no.2:Whether proper procedure adopted by National test House, Ghaziabadfor determination of Chemical Composition?

M/s KEC International representation No 2:

Firm vide letter dated 04.02.2024 has submitted that the Spectrometer machineavailablein National Test House, Ghaziabad is not good enough to perform chemical test as per RDSO specification No. TI/SPC/OHE/CAT (Cu-Cd)/0971on 2.10 MM wire.

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Further, firm vide letter dated 24.04.2024 has also submitted that as per NTH lab report chemical composition of (Cu+Ag) & remaining all trace elements/impurities, cadmium etc. are measured by mass method instead of spectrometer.

Reply on KEC's above representation:

i. As per NTH test report no NTH(NR)/M(L)/23/6155_1 with Section Code: 23CHE6CIN and Section Certificate No. 23CHE6IN_1 Dated 21.11.2023 provided by Vigilance department of CORE/PRYJ that the Chemical Composition conducted by *Percent by Mass*method with clause no 4.1.1 of RDSO spec. No. TI/SPC/OHE/CAT (Cu-Cd)/0971.

ii. It is pertinent to note that the chemical composition value of Cadmium Copper Wire (2.10 mm) is mentioned at Appendix -C (S.N. b) of RDSO spec. No. TI/SPC/OHE/CAT (Cu-Cd)/0971 and method mentioned at clause no 8.3.8 of RDSO spec. No. TI/SPC/OHE/CAT (Cu-Cd)/0971.

iii. Further, NTH Ghaziabad replied to the query of this office as requested by firm that"*Regarding Chemical composition, test was carried out in Optical emission Spectrometer, Bruker Make, which is capable of testing of trace elements & chemical composition as per para No. 8.3.8 and Appendix C of RDSO spec. TI/SPC/OHE/CAT (Cu-Cd) 0971* "

iv. As per Para 8.3.8, sub para 3 of RDSO specification no TI/SPC/OHE/CAT (Cu-Cd) 0971 which is reiterated as "*The samples taken from copper cadmium wires (2.10 mm) shall be tested for trace elements/impurities, cadmium & phosphorous content by Spectrometer. The copper of copper cadmium wires (2.10 mm) shall be determined in accordance with IS 440-1964 or latest.*"

Hence, the contention of M/s KEC International limited regarding methods followed by National Test House, Ghaziabad for chemical composition test **cannot be considered acceptable** as sample has failed in testing of trace elements which is done as per Para *8.3.8 and Appendix C of RDSO spec. TI/SPC/OHE/CAT (Cu-Cd) 0971 by Spectrometer, Bruker Make.*

Conclusion

The replies submitted by your firm M/s KEC International Ltd. vide letters under reference (ii) and (iv) against the show cause notice has been examined by Competent

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Authority (CAO/CORE) and are subsequently not found acceptable as already explained in detailed above para's.

Hence, as per extant provisions contained in para 4.2.1.1 (ii) of CORE Vendor guidelines No.ELCORE/Guideline/09/2022 w.ef 06.10.2022 with A&C slip 1 to 4, Competent Authority (CAO/CORE) has decided to delist the name of "**M/s KEC International Ltd.** with office address RPG House, 463, Dr. Annie Besant Road, Worli Mumbai, Maharashtra - 400030, India and work addressed at - Plot No. 803, SamlayaSavli Road, Village - Godampura, Taluka- Savli Vadodara, Gujarat – 391520, India" from the list of CORE approved vendors for manufacturing and Supply of Un-insulated Copper Cadmium Catenary Wire 65 sq mm as per RDSO's Specification No ETI/OHE/50 (6/97) (Revised specification no. TI/SPC/OHE/CAT(Cu-Cd)/0971 w.e.f 04.01.2021) for a period of 1 year from the issue of this letter.

As per CORE Guideline No ELCORE/Guideline/09/2022 w.e.f. 06.10.2022 with A&C Slip No 1 to 4 , Para no 4.4 : "The firm after receiving a letter conveying Deletion can appeal to the Appellate Authority (GM/CORE) within 60 days of communication of the delisting order".

This is for your information please.

Ref copy enclosed

05/06/[illegible]

(Kalyan Singh)
Dy.CEE/MP/CORE
For CAO/CORE/PRYJ

Copy to-

1. **As per standard Mailing list.**
2. **PCMM/CORE/PRYJ.**
3. **DG/RDSO/LKO.**
4. **Dy. GM (law)/CORE.**
5. **SDGM/CORE**

Mailing List to letter no.QAE/OHE/CAT/KEC/17/01

1	Principal Chief Material Manager, Central Railway, Mumbai CST-400 001
2	Principal Chief Material Manager, Western Railway, Churchgate, Mumbai-400 020
3	Principal Chief Material Manager, Eastern Railway, Fairlie Place, Kolkata-700 001
4	Principal Chief Material Manager, Northern Railway, Baroda House, New Delhi-110 001
5	Principal Chief Material Manager Northeast Frontier Railway, Maligaon, Guwahati-781 011
6	Principal Chief Material Manager, North Eastern Railway, Gorakhpur-273 001
7	Principal Chief Material Manager South Central Railway, Secundrabad-500 371
8	Principal Chief Material Manager Southern Railway, Park Town, Chennai-600 003.
9	Principal Chief Material Manager South Eastern Railway, Garden Reach, Kolkata-700 043.
10	Principal Chief Material Manager North Central Railway, SubedarGanj, Allahabad, 211033
11	Principal Chief Material Manager North Western Railway, Jaipur. -302006
12	Principal Chief Material Manager West Central Railway, Jabalpur
13	Principal Chief Material Manager East Coast Railway, Bhubaneshwar
14	Principal Chief Material Manager East Central Railway, Hajipur-844 101
15	Principal Chief Material Manager South East Central Railway, Bilaspur
16	Principal Chief Material Manager South Western Railway Hubli-580020
17	CMD/RITES, New Delhi House, 27, Barakhamba Road, New Delhi
18	The Principal Chief Electrical Engineer:-
i.	Central Railway, Station Building, Mumbai CST—400001.
ii.	Eastern Railway, Fair lie Place,Kolkata-700001.
iii.	East Central Railway,Hajipur-844101.
iv.	East Coast Railway,Bhubaneshwar-751023.
v.	Northern Railway, Baroda House, New Delhi-110001.
vi.	North Central Railway,Allahabad-211015.
vii.	North Eastern Railway, Gorakhpur-273012.
viii.	North Frontier Railway, Mailgaon-781011.
ix.	North Western Railway, Jaipur-302017.
x.	Southern Railway, ParkTown, Chennai-600003.
xi.	South Central Railway, Rail Nilayam, Secunderabad-500371.
xii.	South Eastern Railway,Garden Reach,Kolkata-700043.
xiii.	South East Central, Railway,Bilaspur-495004.
xiv.	South West Railway,DRM's Office, Hubli-580028.
xv.	Western Railway,Churchgate, Mumbai-400020.

xvi.	West Central Railway, Jabalpur-482001.
xvii.	Konkan Railway, Belapur Bhavan,Sector-11,CBD Belapur,Navi Mumbai400614
19	All CPD's RE
20	CMD, Rail Vikas Nigam Limited, Plot no 25, First Floor August Kranti Bhawan Bhikaji Cama Place R. K. Puram New Delhi - 110066
21	CMD, Dedicated Freight Corridor Corporation of India Ltd. 5th Floor, Supreme Court Metro Station Building Complex, New Delhi - 110001.
22	Chairman & Managing Director IRCON International Limited Saket District Centre, District Centre, Sector 6, C-4, New Delhi, Delhi 110017