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No. EL/1.2.9.1

Dated: 15.05.2017

Chief Electrical Engineer,
All Zonal Railways & CLW

Sub: Performance review meeting of Static converter (SIV) &
Microprocessor Based fault Diagnostic system (MPCS)

Ref: Railway Board's letter no 2006/Elect(TRS)/441/8 pt dated
03.05.2017

The joint notes of performance review meeting of 180 KVA Static Inverter and Microprocessor Based fault Diagnostic system held at Railway Board on 12.05.2017 is enclosed herewith for kind information.

The aforesaid joint notes of meeting have been uploaded on RDSO website and may be downloaded through following link:

rdso.indianrailways.gov.in → Directorate → Electric loco → important letter/Documents.

Vk 15/5/2017
(Aseem Kumar)

for Director General/Elect.

Encl: As above

Copy to:

1. Secretary (Elect.), Railway Board, Rail Bhawan, New Delhi-110 001

- Kind attention : **Sri A. K. Goswami DEE/RS/Railway Board**

Vk 15/5/2017
(Aseem Kumar)

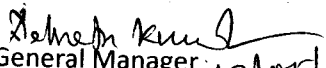
for Director General/Elect

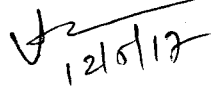
Encl: As above

Joint note between Indian Railways and M/s Stone India Limited on 12th May-2017

The performance of MPCS was discussed. Railways expressed displeasure over the failure which is affecting train operation. Following decisions are made.

1. In MPCS-V3 failure is mainly due to TFT display. Firm has confirmed that they are actively working to arrest this failure and time line to provide the solution is 3 months. Once the solution will be ready all the TFT units will be modified phase wise.
2. To minimize the failure of MPCS-V2 firm has to execute AMC with railway.
3. Firm has to assured to bring down the cost AMC from the present budgetary rates.
4. Firm has to ensure that FRPCPY should be below 10% within two month of Ver-2 and ver-3.


General Manager 12/05/17
Stone India Limited


12/05/17
Director Standard / Electrical
RDSO / Lucknow

Joint note between Indian Railways and M/s I C Electricals Company Pvt. Ltd on 12th May-2017

The performance of MPCs was discussed. Railways expressed displeasure over the failure which are affecting train operation. Following decisions are made.

1. I C electrical has proposed to revise the design related to failure and offer for revalidation in this month to RDSO/CLW.
2. M/s I C Electricals has agreed to enter into AMC of MPCs of generic model with railways and they will bring down the cost of AMC at par with their competitors.
3. The firm has to ensure that FRPCPY should be below 10% within two month of Ver-2 and ver-3.

Director
IC Electricals Company Pvt Ltd


Director Standard / Electrical
RDSO / Lucknow

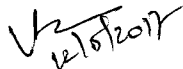
Joint note between Railways and M/s. Hind Rectifier/ Mumbai on 12th May-2017

The performance of 180 Static converter was discussed. Railways expressed displeasure over the failures which are affecting train operation.

Following discussion are made:-

1. Firm informed that QCON timer card modification on remaining units will be completed within 02 Months. An energy absorption unit is installed in parallel with crow bar thyristor for protection of DC link over. This modification will be completed within 03 months. Other failures were also discussed and action plan is already ~~been~~ made,
2. The FRPCPY will be reviewed after 03 months and FRPCPY should be brought down to 10%. This is to be ensured by firm.
3. Regarding entering into AMC of SIV with railways , firm has agreed to enter into AMC of SIV with Railways & they will bring down the cost of AMC at par with their competitor



(Arun Mayekar)
for Hind Rectifier

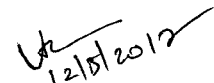

(Aseem Kumar)
Director Standard/ ?RDSO

Joint Note between Railways and Autometers Alliance Ltd. On dated 12th May 2017-05-12

The performance of 180 KVA Static Converter was discussed. Railways expressed displeasure over the failures which are affecting train operations. Following decisions are made :-

1. The firm informed that the MCU card modification is complete in all units. The defective batch of 100 nos of ZCT replacement is complete. The cooling fan failure can be control by replacing the ZIEHL – ABEGG make fans as per RDSO MS/0449 dated 30.03.16. Regarding GDU card failure, firm informed that the due to deterioration of component values like capacitors, OFC transmitter these failures are occurring.
2. Autometers apprised that among the total population of 960, 813 are of Generic model which are introduced in 2006 onwards. The population of older models of KIT -2 (introduced in 2000 onwards) and KIT -3 (introduced in 2004 onwards) are 60 and 87 respectively.
3. Regarding entering into AMC of SIV with railways, AAL expressed that KIT – 2 / 3 had undergone service life of more than 12 years, hence they requires rehabilitation / upgradation. The Generic converters which was introduced in 2006 have average service life of around 7.5 and some of the units need rehabilitation of cards and cooling fan replacement. The cooling fan of ZIEHL – ABEGG make fans can be replaced as per RDSO MS/0449 dated 30.03.16.
4. AAL has agreed to enter into AMC of SIV of Generic model with railways and they will bring down the cost of AMC at par with their competitors.


Product Head (CS – RE)
Aurometers Alliance Ltd.


12/5/2017
Director / Elect.
RDSO / Lucknow