



भारत सरकार-रेल मंत्रालय
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GOVERNMENT OF INDIA Ministry of Railways
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No. EL/2.2.9/10

Date: 10/09/2018

1. M/s Autometers Alliance limited,
C-63, Sector-57
Noida-201 307
2. M/s Medha Servo Drives Pvt Ltd,
P-4/5B,IDA Nacharam, Hyderabad-
500 076.
3. M/s Laxven Systems,
Plot No.188/A,Lane -I,Phase -
II,Sector -III,IDA Cherapally,
Hyderabad-500 051.

Sub: Minutes of Meeting at RDSO on 28.08.2018 with OEMs of ESMON for Reliability of "Microprocessor based Electronic speed cum Energy monitoring system for electric locomotives".

Please find enclosed herewith the copy of subject Minutes of Meeting for your information & further necessary action.

(A.K.Shukla)

for Director General Std. / Elect.

Encl: As above

Copy to:

Principal Chief Electrical Engineer, Chittaranjan Locomotive Works, Chittaranjan.
713 331.

(A.K.Shukla)

for Director General Std. / Elect.

Encl: As above

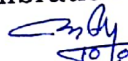
Minutes of the meeting at RDSO on 28/08/2018 to review the performance of ESMON for Electric Locomotives

Present:

| RDSO | FIRMS |
|---------------------------------|---|
| 1. Shri Omprakash Kesari, PEDSE | 1. Shri D.K. Maharana, Product Head, M/s AAL |
| 2. Shri A.K. Shukla, EDSE/SYS | 2. Shri Ankur Tiwari, Assistant Manager, M/s AAL |
| 3. Shri G. Meena, SSE/D/Elect. | 3. Shri Sumit Wahi, Account Head, M/s AAL |
| | 4. Shri P.B.M. Krishna, Sr. Product Engineer, M/s Medha |
| | 5. Shri Ravi Kumar, GM (Marketing), M/s Medha |
| | 6. Shri JP Sharma, Manager (Marketing), M/s Medha |
| | 7. Shri Ramesh Reddy, Managing Partner, M/s Laxven |
| | 8. Shri K.N. Anjaneyulu, Manager Marketing, M/s Laxven |

A meeting was convened at RDSO to review the performance of ESMON for Electric Locomotives. The summary of the discussion are as under:-

1. M/s AAL stated that failures of CPU card mainly due to firmware & battery problem. M/s AAL has modified the software to reduce the failure of CPU card. Approval of modification of CPU card has been taken from CLW. Further, firm has supplied the programming kit & firmware to all sheds for implementation. Railways are requested to submit the performance feedback to RDSO. Firm suggested that 3.6V battery should be replaced after 3 years to reduce the failure of CPU cards.
2. M/s AAL & M/s Laxven stated that failure of Power Supply card due to capacitors failure. As per firms, capacitors should be replaced after 6 years.
3. RDSO advised all the firms to submit detailed investigation report with action plan of Stepper motor failures, PG failures and card failures.
4. Railways should plan replacement of unserviceable over aged ESMON equipment as per Railway Board letter no. 98/Elect (G)/138/6, dated 29.05.06 to improve the reliability of ESMON.
5. RDSO advised all the firms to submit chart of energy calibration within a week time to RDSO.


(A.K. Shukla)
EDSE

Encl: Nil