

Annexure: XII

Correspondance between IFFCO and Sherman India & M/s. Petrotech Inc., USA for Surge Monitor For Air Blowers in SAP Plants

From: "Haridas Nair" <hari@sherman-india.com>
To: <kshanthakumar@iffco.in>
Cc: "avdhesh" <avdhesh@sherman-india.com>, <kumarsarvesh@iffco.in>, <service@sherman-india.com>, <support@sherman-india.com>, <cnshah@iffco.in>, <sprath@iffco.in>
Date: 15-11-2012 11:26
Subject: Re: Fw: Fw: Surge monitor in IFFCO Paradeep

Dear Sir,

Thanks for your mail. After taking up this with M/s. Petrotech Inc., USA we will revert back to you by 20th Nov, 2012. For your information M/s. Petrotech Inc., USA will be closed on Thursday and Friday for their annual Thanksgiving Day holiday. However, we have requested their Engineering Dept to review your findings and revert back to you directly as quickly as possible. Kindly bear with us.

Sincere regards,

Hari

----- Original Message -----

From: kshanthakumar/paradeep/iffco
To: "Haridas Nair" <hari@sherman-india.com>
Cc: "avdhesh" <avdhesh@sherman-india.com>, kumarsarvesh@iffco.in, service@sherman-india.com, support@sherman-india.com, cnshah/paradeep/iffco@iffco, kumarsarvesh/paradeep/iffco@iffco, sprath/paradeep/iffco@iffco
Date: 14-11-2012 17:19
Subject: Re: Fw: Fw: Surge monitor in IFFCO Paradeep

Dear sir

We have verified your queries and our point wise reply is as below.:

- 1. Pressure transmitters installed in outlet duct of both turbo blowers are isolated from each other and they have also been checked by simulating the loop signals to the controllers and found normal.**
- 2. Shielding of pressure transmitters are found connected to the ground at transmitters end.**
- 3. The shut down signals are wired through two separate single pair cables to the separate DCS.**
- 4. Since separate DCS is used for two dry contacts, interrogation voltage is verified for reliability**
- 5. 110V AC power supply is fed to the surge monitor from 25 KVA UPS.**
- 6. Discharge pressure trend of both the blowers and DCS historical reports are attached herewith for your reference.**

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USA for Surge Monitor For Air Blowers in SAP Plants



history.jpg surge trend.jpg

K. Shantha Kumar
Jt. General Manager (Inst.)
IFFCO, PARADEEPUNIT
Village - Mausadia, P.O. - Paradeep
Distt. - Jagatsinghpur, Orissa - 754 142
Phone - 06722 - 224052 (O) , 225052 (R)
Fax - 06722 - 228160
Mobile: +919937238319

----- Forwarded by kshanthakumar/paradeep/iffco on 12/11/2012 15:55 -----

From: "Haridas Nair" <hari@sherman-india.com>
To: <kshanthakumar@iffco.in>
Cc: <support@sherman-india.com>, "avdhesh" <avdhesh@sherman-india.com>, <service@sherman-india.com>, <kumarsarvesh@iffco.in>
Date: 12/11/2012 11:32
Subject: Fw: Fw: Surge monitor in IFFCO Paradeep

Kind Attn. : Mr. K. Shantha Kumar
Jt. General Manager (Inst.)
IFFCO, PARADEEPUNIT
Village - Mausadia, P.O. - Paradeep
Distt. - Jagatsinghpur, Orissa - 754 142

Dear Sir,

Further to your mail dated 9th November, 2012, we have taken up the matter with M/s. Petrotech Inc., USA and below is the response received from them, for your kind consideration. Kindly revert back to Petrotech, USA.

Sincere regards,

Hari Das Nair
Manager - Sales Support
Sherman International Pvt Ltd
D-94, Himalaya House
23 KG Marg, New Delhi- 110001

----- Original Message -----

From: "Curry, Ryan" <RCurry@PetrotechInc.com>
To: "Haridas Nair" <hari@sherman-india.com>; "Coates, Robert"

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Correspondance between IFFCO and Sherman India & M/s. Petrotech Inc., USA for Surge Monitor For Air Blowers in SAP Plants

<rcoates@PetrotechInc.com>; "DaveLavie Forwarder"
<mkleban@PetrotechInc.com>; "Curry, Ryan" <maskar@PetrotechInc.com>
Cc: "Kulkarni, Sudhir" <skulkarni@PetrotechInc.com>; "Milum, Roy"
<rmilum@PetrotechInc.com>; "Curry, Ryan" <RCurry@PetrotechInc.com>;
"Soletto,
Bill" <bsoleto@PetrotechInc.com>; <support@sherman-india.com>;
<service@sherman-india.com>; "avdhesh" <avdhesh@sherman-india.com>
Sent: Saturday, November 10, 2012 4:22 AM
Subject: RE: Fw: Surge monitor in IFFCO Paradeep

Hari,

The surge protection of each blower is independent of one another. A surge event on one machine should not cause both machines to trip. As mentioned, the surge protection monitors separate dp transmitters for each machine. If surge is detected, each machine has a separate surge trip contact to the DCS. **In order to confirm individual surge protection for each unit, the customer should verify the following:**

- Confirm proper isolation between flow transmitters for each unit by simulating loop signals to the controller.
- Confirm proper shielding of these xmtrs with a single point shield ground.
- There are two separate shutdown signals for each unit to the DCS. Confirm each shutdown signal is wired independently to the DCS.
- Each shutdown signal is a dry contact. Verify DCS power supply to each of these contacts is independent and reliable.
- Verify that a reliable uninterrupted power supply feeds the surge protection unit.
- Review trend of flow signals to determine if the unit flow was fluctuating.

We currently have two independent shutdowns wired to the DCS. Please inform us which DCS unit surge shutdown was displayed on the DCS alarm summary.

Also please inform us of all alarms displayed on the surge protection hmi and the desktop pc hmi around the time of the event.

Thank you,
Ryan Curry
Engineering Manager
504-620-5324

-----Original Message-----

From: Haridas Nair <hari@sherman-india.com>
Sent: November 09, 2012 8:07 AM
To: Coates, Robert <rcoates@PetrotechInc.com>; mkleban@PetrotechInc.com
<mkleban@PetrotechInc.com>; maskar@PetrotechInc.com

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Correspondance between IFFCO and Sherman India & M/s. Petrotech Inc., USA for Surge Monitor For Air Blowers in SAP Plants

<maskar@PetrotechInc.com>

Cc: Kulkarni, Sudhir <skulkarni@PetrotechInc.com>; Milum, Roy <rmilum@PetrotechInc.com>; Curry, Ryan <RCurry@PetrotechInc.com>; Soletto, Bill <bsoletto@PetrotechInc.com>; support@sherman-india.com <support@sherman-india.com>; service@sherman-india.com <service@sherman-india.com>; avdhesh <avdhesh@sherman-india.com>
Subject: Fw: Fw: Surge monitor in IFFCO Paradeep

Dear All,

Referring to the below mail from IFFCO, kindly initiate the response from Petrotech by return e-mail.

Sincere regards,
Hari

From: kshanthakumar/paradeep/iffco
To: "Haridas Nair" <hari@sherman-india.com>
Cc: "avdhesh" <avdhesh@sherman-india.com>, kumarsarvesh@iffco.in, service@sherman-india.com, support@sherman-india.com, skgandhi/paradeep/iffco@iffco, cnshah/paradeep/iffco@iffco
Date: 09-11-2012 18:35
Subject: Re: Fw: Surge monitor in IFFCO Paradeep

Dear Sir,

Thanks for your mail. **At present both the turbo blowers are operating at high risk in surge bypass mode.** Hence, please take up the matter with M/s Petrotech on emergency basis arrange for immediate remedial action.

Treat this as Most Urgent.

Thanks and Best Regards

K. Shantha Kumar
Jt. General Manager (Inst.)
IFFCO, PARADEEP UNIT
Village - Mausadia, P.O. - Paradeep
Distt. - Jagatsinghpur, Orissa - 754 142
Phone - 06722 - 224052 (O) , 225052 (R)
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----- Forwarded by kshanthakumar/paradeep/iffco on 09/11/2012 17:11 -----

Annexure: XII
Correspondance between IFFCO and Sherman India & M/s. Petrotech Inc., USA for Surge Monitor For Air Blowers in SAP Plants

From: "Haridas Nair" <hari@sherman-india.com>
To: <kumarsarvesh@iffco.in>
Cc: <kshanthakumar@iffco.in>, <support@sherman-india.com>, "avdhesh" <avdhesh@sherman-india.com>, <service@sherman-india.com>
Date: 09/11/2012 14:38
Subject: Fw: Surge monitor in IFFCO Paradeep

Kind Attn. : Mr. Sarvesh Kumar
Dy. Manager (Instrumentation)
IFFCO Paradeep Unit
Distt.: Jagatsinghpur
Odisha - 754142.

Dear Sir,

We thankfully acknowledge receipt of your below mail dated 9th Nov, 12. We will be taking up this matter with M/s. Petrotech Inc., USA and will revert back to you with their response as soon as we receive. Kindly bear with us.

Thanking you and assuring you of our best services at all times.

Sincere regards,

Hari Das Nair
Manager - Sales Support
Sherman International Pvt Ltd
D-94, Himalaya House
23 KG Marg, New Delhi- 110001.

----- Original Message -----

From: Vinay Kumar Singh
To: hari@sherman-india.com
Sent: Friday, November 09, 2012 10:17 AM
Subject: Fw: Surge monitor in IFFCO Paradeep

FYI

----- Original Message -----

From: kumarsarvesh@iffco.in
To: support@sherman-india.com ; rajiv@sherman-india.com
Cc: kshanthakumar@iffco.in
Sent: Friday, November 09, 2012 9:15 AM
Subject: Surge monitor in IFFCO Paradeep

Annexure: XII

**Correspondance between IFFCO and Sherman India & M/s. Petrotech Inc.,
USA for Surge Monitor For Air Blowers in SAP Plants**

Dear

sir,

We have installation of M/s Petrotech USA supplied surge monitor unit (Model : Em-400) which is commissioned by you in our sulphuric acid plant. This one surge monitor unit is used to monitor surge events in two nos. turbo driven blowers. This monitor generates alarm signal on experiencing 2 consecutive pressure gradients of +/- 50 mBar/sec. and trip signal on experience 6 consecutive pressure gradients of +/- 50 mBar/sec. Yesterday (On 08.11.12) we have faced a problem when both the turbo driven blowers got tripped on same time (09:28 AM) and as per history recorded in DCS the reason for tripping was occurring the surge event.

We fail to understand that why surge event occurred in both the turbo blower simultaneously because operation wise both the turbo blowers are isolated from each others. We also doubt on the malfunctioning of surge monitor. However after tripping we have checked the power supply and healthiness of system and found all the things in order.

Our management has viewed this occurrence very seriously because both the turbo blowers cater the air requirement in two units of sulphuric acid plants and tripping of blowers leads to both the plant tripping. You are requested to analyze the problem & suggest us to take the remedial action. If any other protection is required to adopt for safe & reliable operation of surge monitor, pl. suggest.

Kindly respond on very urgent basis.

सादर,

Best Regards,

सर्वेश कुमार
उप प्रबंधक (उपकरणन्)
इफको पारादीप इकाई
(जिला) जगतसिंहपुर, ओडीशा - 754142
दूरभाष: (06722)-224622(कार्या.), 225622(आ.)
फैक्स: (06722)-224857, 228160
मोबाइल: (0)9937465278

Sarvesh Kumar
Dy. Manager (Instrumentation)
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