



OIL & NATURAL GAS CORPORATION (WOU) KARMACHARI SANGHATANA

AFFILIATED TO - PETROLEUM & GAS WORKERS' FEDERATION OF INDIA

Reg. No. (By - II - 8268)

Tel. : 022-26274102

Flat No.102, 1st Floor, Acme Harmony-I, Poonam Nagar, Off. JV Link Road, Andheri (E), Mumbai - 400 093.

Website : www.ksmumbai.com

REF. : ONGC/KS/ 61 /20 24

DATE : 23/07/2024

To,
The GGM - Plant Manager,
ONGC - WOU,
LPG Plant,Uran,
Dronagiri Bhavan,
Dist. Raigad - 400 702

alc

ओ.एन.जी.सी. प्रशा. उरण
ONGC ADMN, URAN
आवक क्र./Inward No. 1228
दिनांक/Date 24/7/2024

Sub.:- Reminder for immediate replacement of old HT electrical panels and installation of new advanced MIMIC Panel in LPG I, LPG II, NBPH,APU & FWPH High Tension substations to avoid recurrence of electrical accidents in Uran Plant.

Respected Sir,

The HT Panels at LPG-1 & LPG-2 Substations are very old, near about 40 yrs. Several electrical panels are **potentially dangerous (fatal)**, retrofitted and have been extensively used throughout their service life.

Our employees survived an accident at LPG-2 Substation while operating this retrofitted, unpredictable and unreliable electrical HT panel (6.6KV) in the substation on 30th April 2024.

But after this major incident, there is fear among our employees who are working on HT panels, such incidents will lower the morale of our employees.

In order to avoid such accidents in the future, the following panels need to be replaced immediately.

Sr	Location	Electrical Panel Name/No. which needs to be installed/replaced
1	LPG I	6.6 KV HT and MIMIC Panel with New Technology of Remote Operation
2	LPG - II	6.6 KV HT and MIMIC Panel with New Technology of Remote Operation
3	NBPH	6.6 KV HT and MIMIC Panel with New Technology of Remote Operation
4	LPG - I	MOV panel, PCC, D7
5	LPG - II	DC 110 V Distribution Panel, PCC Panel
6	NBPH	MCC C-03, D3 Extension Panel, DC 110 V Distribution Panel
7	EPTP	MCC
8	Minas	LT MCC 71 & 72 Electrical Panels Doors are broken. New Minas MCC Panels Door not closing, Many indications are not working.
9	CSU	MCC D 4 & D5, HSVR Panel, L & T MCC
10	Terminal	PCC & MCC (EPM is not carried out for these panels from many years)
11	APU	MIMIC Panel with New Technology of Remote Operation
12	FWPH	MIMIC Panel with New Technology of Remote Operation

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As per the **standard practice MIMIC panels are used for operating the HT Panels in remote operation** to safeguard the human as we have already installed such panels in C2-C3 substation.

Old MIMIC Panel system of LPG I substation is not working from last many years and in LPG 2, NBPH, APU, FWPH the MIMIC panels are not installed.

In APU Substation SCADA system is not operational from last many years.

MIMIC panels are less costly, safe, robust and almost maintenance free as compared to SCADA.

In some substations like HBB and C2C3 this traditional system (MIMIC) is already installed.

For our employee's safety we want remote operated MIMIC Panels to be installed in all HT Substations.

We have already taken up these issues vide our letters,

ONGC/KS/56/2023 dtd.07.06.2023

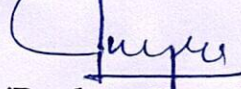
ONGC/KS/08/2022 dtd.24.01.2022

ONGC/KS/615/2019 dtd.17.06.2019

Please find attached the copies of our letters for your perusal.

Your esteemed authority is requested to kindly look into the matter and direction be given to the concerned department for replacement of electrical panels as mentioned above & installation of remote operated MIMIC Panels as it is related to the safety of individuals working in the plant.

Thanking You,
Yours faithfully,



(Pradeep Mayekar)
General Secretary

etc

Copy to:

1. CGM (P) - Head Operation, ONGC, WOU, LPG Plant, Uran, Raigad
2. CGM (M) - Head Maintenance, ONGC, WOU, LPG Plant, Uran, Raigad
3. CGM (E) - Area Manager Electrical, ONGC, WOU, LPG Plant, Uran, Raigad
4. CGM (P) - Head HSE, ONGC, WOU, LPG Plant, Uran, Raigad
5. Manager (HR) - I/c, IR, ONGC, WOU, LPG Plant, Uran, Raigad



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Flat No.102, 1st Floor, Acme Harmony-I, Poonam Nagar, Off. JV Link Road, Andheri (E), Mumbai - 400 093.

Website : www.ksmumbai.com

REF. : ONGC/KS/ 56 /2023

DATE : 07/06/2023

To,
The ED- Plant Manager,
ONGC- WOU
Dronagiri Bhavan,
LPG Plant, Uran.
Raigad 400 702

alc

ओ.एन.जी.सी. प्रशा. उरण
ONGC ADMN, URAN
आवक क्र./Inward No. 795
दिनांक/Date. 07/06/2023

Subject: Reminder for immediate replacement of old electrical panels to avoid recurrence of electrical accidents in Uran Plant.

Respected Sir,

This has reference to our earlier letters **ONGC/KS/08/2022** dated **24/01/2022** & **ONGC/KS/615/2019** dated **17/06/2019**. It has been nearly completed four years for the accident of **Shri. Hemant Dinanath Thali, CPF No. 93022**, where he was survived with serious burn injuries while operating unsafe, unpredictable and unreliable electrical panels in the plant. It is a matter of serious concern. This incident taught us the importance of maintaining healthy electrical equipment at our work centre. The same concerns have been shared with your esteemed authority from time to time.

Several electrical panels have been identified which are potentially dangerous, very old and have been used extensively throughout their service life. In order to avoid the recurrence of such accidents in the future, these panels need to be replaced immediately. The list of the panels to be replaced are as follows:

Sr. No.	Location	Electrical Panel Name/ No. which needs to be replaced
1	MINAS Substation	LT MCC 71 & 72, Minas Substation Electrical Panels door not getting closed, Latches are broken
2	CSU	MCC D4 & D5, HSVR Panel, L & T MCC (D - 01)
3	Terminal	MCC - 1 (MOV MCC)
4	EPTP	MCC (EPTP)
5	NBPH	MCC C- 03, D3 - Extension Panel, DC 110 Volt Distribution Panel
6	LPG-I Substation	DC 110 Volt Distribution Panel
7	LPG-II Substation	DC 110 Volt Distribution Panel

Your esteemed authority is once again requested to look into this matter as it is related to the safety of individuals working in the plant and at any cost the safety of the employees should not be compromised. Negligence in the matter which concerns, work place safety should never be tolerated.

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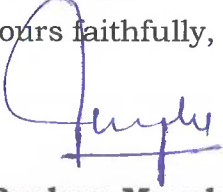
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We sincerely request you to kindly, intervene and give appropriate directions to the concerned authorities to replace the electrical panels in the interest of safety of individuals and to provide a safe and secure working environment in the plant. We too don't wish to hamper the smooth working of the plant hence are addressing our issues to management to get an effective action for our problems at the earliest. We hope your supreme authority won't compel us to resort for other non-employer friendly ways to find resolution of our problems.

We are assured that you will definitely take required decisions for safeguarding the employees and not support any decision that jeopardizes with their safety. We assure you that all together we can improve the performance of the plant and our organisation

Thanking you.

Yours faithfully,

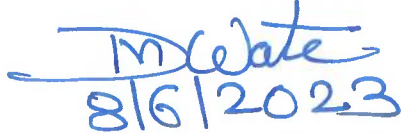


(Pradeep Mayekar)
General Secretary

alc

Copy to:

1. Director - Offshore, ONGC-WOU, Gr. Heights, BKC, Bandra (E), Mumbai.
2. CGM - Area Manager (E), ONGC-WOU, Dronagiri Bhavan, LPG Plant, Uran
3. CGM-Head HSE, ONGC-WOU, Dronagiri Bhavan, LPG Plant, Uran.
4. GM I/c HR-ER, ONGC-WOU, Dronagiri Bhavan, LPG Plant, Uran.
5. GM-I/c IR, ONGC-WOU, Gr. Heights, BKC, Bandra (E), Mumbai. ✓


8/6/2023

ओ.एन.जी.सी. प्रशा. उरण
ONGC ADMN, URAN
आवक क्र./Inward No. 721-
दिनांक/Date.. 08/06/2023

8/6/23



ONGC
ADMIN. URAN
Inward No. 187
Date 28/11/2022

OIL & NATURAL GAS CORPORATION (WOU) KARMACHARI SANGHATANA

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Website : www.ksmumbai.com

REF. : ONGC/KS/08/2022

DATE : 24/01/2022

To,
The ED - Plant Manager,
ONGC - WOU,
LPG Plant, Uran,
Raigad : 400 702.

O/C

Subject: Immediate replacement of old Electrical Panels to avoid recurrence of electrical accidents in Uran Plant.

Respected Sir,

This has reference to our letter **ONGC/KS/615/2019** dated **17/06/2019** regarding immediate replacement of old Electrical Panels to avoid recurrence of electrical accidents in the Uran Plant. Please find enclosed the copy of the same for your perusal. In our letter we had mentioned the accident case of **Shri. Hemant Dinanath Thali, CPF no. 93022** got serious burn injuries on his face. He was admitted in the hospital for 17 days and took more than two weeks to recover.

In response to our letter immediate action was taken by the concern authority and replaced partially only following two electrical panels in the plant.

Sr. No.	Location	Partially replaced Electrical Panel Name / No.
1.	LPG-I Substation	MCC-D1, MCC-D2, L&A Board
2.	LPG-II Substation	MCC D-51 & 52, MCC D-53 & 54, MCC D-55 & 56, MOV DB.

Still following five more Electrical Panels are to be replaced fully & Sr. No.6 & 7 are to replace partially which are very old and have completed more than 25 years, it has been already elaborated in our letter mentioned above.

Sr. No.	Location	Need to be Replace Electrical Panel Name / No.
1.	MINAS Substation	LT MCC 71 & 72, Minas Substation Electrical Panels door not getting close. Latches broken
2.	CSU	MCC D4 & D5, HSVR Panel, L & T MCC (D - 01)
3.	Terminal	MCC - 1 (MOV MCC)
4.	EPTP	MCC (EPTP)
5.	NBPH	MCC C-03, D3-Extension Panel, DC 110 Volt Distribution Panel.
6.	LPG-I Substation	DC 110 Volt Distribution Panel.
7.	LPG-II Substation	DC 110 Volt Distribution Panel.

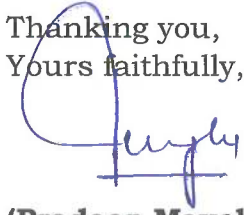
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Only two panels out of seven panels are replaced means only 28% work has been done during last **two and half years**. Is a matter of serious concern, are we waiting for another serious accident to happen or fatal accident to take place?

It is already established that accident of **Shri. Hemant Dinanath Thali** happened because of very old electrical panels which are overdue for replacement. It need not be elaborated that such Electrical Panels are dangerous and most unpredictable during operational activities.

Yours esteemed authority is requested to intervene in the matter and give direction to replace the remaining **five Electrical Panels** in the interest of safety of employees and plant and to avoid further fatal accidents in the Uran Plant. Hope your authority will not compel us to resort for direct action including demonstration in front of your cabin.

Thanking you,
Yours faithfully,



O/c

(Pradeep Mayekar)
General Secretary

Copy to :

1. Director – Offshore, ONGC-WOU, Gr. Heights, BKC, Bandra (E), Mumbai.
2. CGM – Area Manager (E), ONGC-WOU, Dronagiri Bhavan, LPG Plant, Uran.
3. CGM – Head HSE, ONGC-WOU, Dronagiri Bhavan, LPG Plant, Uran.
4. GM I/c HR-ER, ONGC-WOU, Dronagiri Bhavan, LPG Plant, Uran.
5. DGM – I/c IR, ONGC-WOU, Gr. Heights, BKC, Bandra (E), Mumbai.



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Flat No.102, 1st Floor, Acme Harmony-I, Poonam Nagar, Off. JV Link Road, Andheri (E), Mumbai - 400 093.

REF. : ONGC/KS/ 615/2019

DATE : 17/06/2019

To,
The ED - Plant Manager,
ONGC - WOU,
Uran Plant, Uran,
Dist. Raigad.

etc

Subject : Immediate replacement of Old Electrical Panels to avoid recurrence of electrical accidents in the Uran Plant.

Respected Sir,

This has reference to the accident occurred in LPG Uran Plant on **13th May 2019** at 17:00 hrs, where in **Shri. Hemant Dinanath Thali, CPF No. 93022** got serious burn injuries on his face, was admitted in "National Burn Centre", Airoli, Navi Mumbai. He was admitted in the Hospital for 17 days & was discharged on 30 May 2019. Seriousness of the injury can be gauged as it took more than two weeks to recover, of course the scars psychological and physical is yet to desert him, this demands a critical analysis of the set back on work attitude on him as well as others working on such panels.

The accident took place at LPG-I Substation. After completion of repair of motor P-320 A at LPG - I field area to put ON the power Shri Hemant Thali released the lock out, he put on the HRC (High Rupturing Capacity) fuses in the Electrical Panel. At the time of putting HRC fuses Electrical spark took place & fumes came on his face, causing serious burns on his face & hand. Normally HRC (High Rupturing Capacity) fuses never breaks; but HRC fuse totally damaged in to two pieces. This was second such incident within six months.

The first incident happened on 17 December 2018 at 18:00 Hrs. in Utility Substation MCC No.390. While starting IG compressor there was flashover in its Electrical Module. The module was badly carbonized due to flashover.

Sir, above mentioned two incidents are examples of inadequate Electrical Panels. **Most of the Electrical Panels are very old they have lived more than their designed life and have completed more than 25 Years.** They often fail or malfunction because of Load Variation & Electrical Surge. It need not be elaborated that such Electrical Panels are dangerous and most unpredictable during Operational activities.

Usually Electrical Panel manufactures are designing the panels and circuit breakers at a specific tolerance to 'trip' or 'Turn Off' an electrical circuit if overloaded. Over a period of continuous use, electrical panels and circuit breakers, loses their designed factory tolerances and are unable to handle the electrical loads required. The Electrical Panels and the Electrical Systems in the infrastructure needs to be replaced immediately.

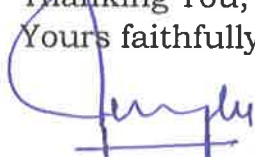
The details of the Electrical panels which needs immediate replacement are as mentioned below, we also request your esteemed authority to constitute a fact finding enquiry committee of appropriate authorities to ensure the under mentioned panels have over lived their designed age, and are quite vulnerable.

No.	Location	Electrical Panel Name / No.
1	LPG-I Substation	MCC-D1, MCC-D2, L & A Board, DC 110 Volt Distribution Panel.
2	LPG-II Substation	MCC D-51 & 52, MCC D-53 & 54, MCC D-55 & 56, MOV DB.
3	MINAS Substation	LT MCC 71 & 72, Minas Substation Electrical Panels door not getting close. Latches broken.
4	LSV	MCC D4 & D5, HSVR Panel , L & T MCC (D - 01)
5	Terminal	MCC-1 (MOV MCC)
6	EPTP	MCC (EPTP)
7	NBPH	MCC C-03, D3-Extension Panel

Sir, the above-mentioned accidents happened because all electrical panels are very old and are overdue for replacement. Shri. Hemant D. Thali could survive because his luck favored him, otherwise fatal accident could have happened. Its most unfortunate to quote we will be forced not to remain as constitutional in our approach in resolving the crisis if there is any recurrence of such accidents endangering the life of our highly experienced human resources.

Your esteemed authority is requested to kindly direct the concerned department to initiate procurement of new panels more technically equipped and with more safe handling systems for immediate replacement of the existing Electrical Panels to avoid further fatal accidents in Uran Plant.

Thanking You,
Yours faithfully,



dlc

(Pradeep Mayekar)
General Secretary

Copy to :

- 1) Director - Offshore, ONGC, PDDU Urja Bhavan, Vasant Kunj, New Delhi
- 2) CGM (Electrical), ONGC WOU, LPG Plant, Uran, Raigad.
- 3) GM (M) I/c Safety, ONGC WOU, LPG Plant, Uran, Raigad.
- 4) GM (HR) I/c HR-ER, ONGC WOU, LPG Plant, Uran, Raigad.
- 5) GM I/c - IR, ONGC WOU, NBP Green Heights, Bandra (E), Mumbai 51.

M. Date
18/6/19