

SESA INDUSTRIES LIMITED

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Mr. Sunil V. Rao,
 Regional Manager,
 PERMAWELD,
 3501/1 Hosur Road,
 Below UCO Bank, Koramangala,
 BANGALORE-560 095.

December 26, 1994

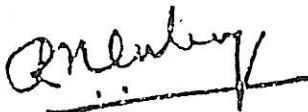
MAGNA Electrodes came to our rescue in various critical applications in last one and a half years time.

These could really be of great help to us as in a continuous process plant every minute has its value and one can not afford to lose time.

Following repairs were executed in the plant in its utmost criticality.

SR. APPLICATION NO	MAGNA PRODUCT
01. Glendon Heat Exchanger Tubes serving at 900°C for joining inconnel to stainless steel and inconnel to mild-steel.	8N12
02. Sector gear of an actuator joining brass to steel.	202
03. Waterseal of gas holder connected to Blast Furnace.	307
Repair of waterline during operation:	
04. Rebuilding of bronze glands and labyrinth ring.	77F
05. Stainless steel pipes to flanges.	303
06. Repair of various leakages.	940(Putty)

There is no doubt the products are SIMPLY EXCELLENT.



MANAGER-MAINTENANCE
PIG IRON PLANT

Amona

द्वि फर्टिलाइजर्स एण्ड केमिकल्स
ट्रावन्कोर लिमिटेड



THE FERTILISERS AND CHEMICALS
TRAVANCORE LIMITED

A GOVERNMENT OF INDIA ENTERPRISE
UDYOGAMANDAL DIVISION UDYOGAMANDAL - 683 501 COCHIN INDIA

TELEPHONE: COCHIN 85-6106 TO 85-6108 TELEGRAM: UDYOG FACT, UDYOGAMANDAL TELEX: 0008-6004 FACT IN
5007

CME-UD-PMNT-23-1126

22nd May, 1995.

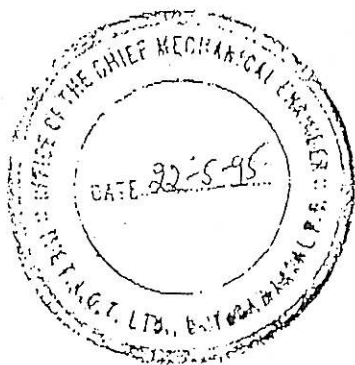
TO WHOMSOEVER IT MAY CONCERN

Sub: -Repair of sparger pipes in the secondary
Reformer of Composite Ammonia Plant.

We have noticed some cracks on the sparger pipes. These spargers were made of Incolloy 800 material and are working at a temperature of 1000°C. Our attempts to repair these with the ordinary electrodes, used for Incolloy 800, did not succeed as the material property has changed considerably. Replacement with new spare was a time consuming work.

We have contacted Mr. P. Gopakumar, Area Specialist of PERMAWELD. With his prompt service, the spargers could be repaired, thereby helping us to put back the plant on line as scheduled. The spargers are now working satisfactorily. MAGNA 8N 12 was used for this work.

WE thank Mr. P. Gopakumar, who has suggested the rod and supervised the job, for his prompt service and appreciate the performance of the electrode "MAGNA 8N 12" for such critical application.



P. N. ANIRUDHAN,
CHIEF MECHANICAL ENGINEER(U),
THE FERTILISERS AND CHEMICALS,
TRAVANCORE LIMITED - UOL.DIVN.

HEAD OFFICE AND REGISTERED OFFICE: ELOOR, UDYOGAMANDAL. OTHER FACT DIVISIONS:

MARKETING DIVISION, UDYOGAMANDAL, COCHIN DIVISION, AMBALAMEDU, FACT ENGINEERING AND DESIGN ORGANISATION (FEDO),
UDYOGAMANDAL, FACT ENGINEERING WORKS (FEW) PALLURUTHY