

EWR NO.

U-286



extra-f Tech

JOB DESCRIPTION

To provide SS grating inside 11/21 MV-6

INITIATED BY

PRODUCTION



MAINTENANCE



SAFETY / ENVIRONMENT

ENCLOSURES

PFD



P & I



SPECIFICATION SHEET

RECOMMENDATION

After installation of vacuum pre-concentrator urea concentration to the inlet of first vacuum separator (MV-06) has increased from earlier value of 71 % to 85 %. This is resulting in the formation of polymer inside MV-06. This polymer falls during plant start-up or vacuum section flushing and choke MV-06 to MV-07 transfer line (Lute). Prilling remains diverted for hours in order to dechoke this line. Flushing /dechoking of lute also generates lot of effluent which creates pollution problem. The grating will retain the polymer on it which will subsequently get dissolved in urea solution. Provision of LS connection from nearby 1" steam line into LW line for dome flushing will create flexibility to flush MV-6 dome either by LW or steam. The expected investment of installing grating in MV-6 is about Rs 3 lacs for both units.

Hence, this EWR is recommended.

EXPECTED BENEFIT

SAFETY



ENERGY SAVINGS



BETTER OPERATIONAL CONTROL



IMPROVED WORK LIFE



IMPROVED MAINTAINABILITY



IMPROVED ENVIRONMENT



OTHERS

FINALISED IN CONSULTATION WITH

PRODN / UTILITIES



SAFETY / ENVIRONMENT



MECHANICAL



INSTRUMENTATION



ELECTRICAL



OTHERS

To Sr. mgr (GE)
for n.a. please

APPROVED / NOT APPROVED

Car
24/11/01

Sr.VICE PRESIDENT (M.O.)

RECOMMENDED / NOT RECOMMENDED

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MANAGER (PROCESS ENG)

PLANT UREA

DATE 14/9/01

EWRI NO. * 21-288

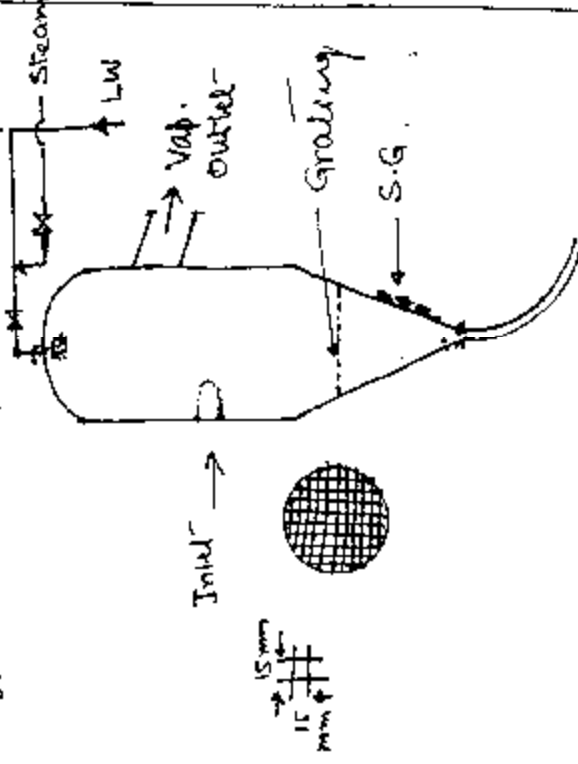
DATE * 27/9/01

DESCRIPTION OF WORK

EXPECTED BENEFITS

To provide (i) stainless steel grating inside

11/21-MV-6 as shown in the sketch.



(ii) Steam connection for flushing

DEPARTMENTAL HEAD

[Signature]

HEAD OF PRODUCTION / MAINTENANCE DEPARTMENT

INITIATOR'S NAME & DESIGNATION

[Signature] SK Pandey
MGR (URUG)

- Chocking of MV-6 outlet - (later) to falling of slumps during flushing or plant start-ups will be avoided which is causing stoppage of vacuum & emergency.
- Well division to V-S due to above chocking will be eliminated.

[Handwritten notes]
18/9/01

