

MINUTES OF THE MPR, QUALITY & BREAKDOWN REVIEW COMMITTEE MEETING HELD ON 06.03.2000
(MOM NO.130)

Members Present (S/Shri)				Members Not Present (S/Shri)	
SP Gupta	BK Bhatt	BP Padhee	RK Garg	NL Jain	SK Tekriwal
RK Malhotra	AK Bhargava	S Venkatraman	Ajai Dwivedi	NKS Mahapatra	DK Agarwal
Anand Bihari	BPA Sastry	AK Hazra	RD Gupta	Surjit Singh	MN Dubey
CB Tiwari	NC Bansal	Ajit Srivastava	B. Tibrewal	CK Dutta	AK Gupta
NK Mathur	HC Gupta	S Vaidyanathan		Ajay Singh	

Sl. No.	Description	Prodn. Gain (+/-) / Loss (-)		Reasons	Action Taken / Required	Person Responsible (S/Shri)
		Te	Rs./Loss			
1	Urea	-5058	-114	Due to less average daily production as per the directions (3033 - 2856.05) x 28.59		
		-905	-20	Due to stoppage of 21-unit of urea plant on 02.02.2000 to attend the leaky bottom flange of HP Carbamate preheater & PSV installed on high pressure Ammonia line going to Urea reactor	On opening the flange, about 10-12 mm. of gasket was found damaged. Channel gasket seat was also found eroded & uneven. Gasket was replaced by a new one whereas uneven surface of channel was filled with aluminium putty. Gasket seating surface was cleaned by a cleaner & Gasket was tightened evenly at 550 Kg/cm2g. It is recommended that (1) Channel gasket seating surface should be machined during next turnaround (2) Gasket seating surface should be thoroughly cleaned at the time of gasket installation (3) Cover should be tightened evenly during gasket installation.	Ajit Srivastava
		-348	-8	Due to stoppage of both the units of urea plant after tripping of Gas turbine (GT-701) on 04.02.2000	Gas turbine tripped due to jamming of HP fuel pump. Its coupling & bearing of drive shaft was found seized. Reason behind seizure of bearing was contamination of lube oil naphtha. Following are the recommendations given after analysing the reason of failure:- 1) Vibration monitoring of HP fuel pump is to be made weekly instead of fortnightly. 2) Continuous monitoring of lube oil quality 3) Joint inspection by Elect./Mech./Instr. Is to be carried out before installation of magnetic clutch. 4) Provision is to be made for recording the status / events of the clutch in history. 5) Free rotation of the HP fuel pump is to be ensured before gas turbine start-up. 6) OEM is to be contacted regarding HP fuel pump bearing failure due to lube oil contamination.	BPA Sastry / S Venkatraman/ Ajit Srivastava
	Total	-6311	-142			

Sl. No.	Text of Discussions	Person Responsible
		(S/Shri)
	Ammonia, Urea Production and Energy consumption for the month of February'2000 were reviewed and following points were discussed:	
1)	Filtration system, supplied by M/s. HPCL for cleaning the Naphtha tanks has been received at site. Fabrication work for its installation has already been completed & cleaning of new naphtha tank has also been initiated. M/s. HPCL has brought Laser Sediment Counter along with them so as to check the naphtha quality instantaneously.	RK Malhotra / CK Dutta
2)	It was informed that new Prill bucket is expected by 20th March 2000.	Ajay Singh
3)	Trial run for improving the crushing strength of urea prills was carried out by M/s. Filtec on 22nd February'000. Result achieved during the trial run was not matching the guaranteed figures of 30% improvement in crushing strength. Free ammonia in prills increased from the base value of 144 ppm to 328 ppm during the trial run but did not pose any problem near conveyor MT-1 or during bagging as observed during the trial run by M/s. Naokda Chemicals. It was agreed to procure this additive for two days consumption for trial during peak summer season. Cost of the additive shall be borne by M/s. IGCL.	AK Gupta
4)	All the material required for uprating the rotors for Process Air Compressor is now available with M/s. BHEL and the job is scheduled for completion by end of March'2000. M/s. BHEL has suggested machining of the 2nd diaphragm for LP case at site (at IGCL workshop) so as to make it suitable for uprated wheel of the LP rotor. The machined diaphragm can not be used with old model spare rotor in case of any problem with uprated rotor. M/s. BHEL was of the opinion that a 'RING' can be added to the machined diaphragm in case there is need to install the old rotor. The fabrication of the ring can not be made at site in IGCL workshop, since it needs extensive milling etc. to make the profile for the diffuser vane. Sending the diaphragm to BHEL, Hyderabad for machining the diaphragm and fabricating the ring will extend the plant shutdown by more than a week. Hence, it was decided to get a new diaphragm manufactured at BHEL to suit the uprated LP case rotor wheel.	Ajit Srivastava
5)	Revised proposal has been received from M/s. Engelhard regarding the feasibility of Selectoxo Process. Prima-facie it appears that the scheme may not be economically viable at IGCL in existing circumstances. However, representative from M/s. Engelhard would be visiting IGCL in the 3rd week of March 2000 for discussing the same.	Anand Bihari
6)	M/s. L&T while carrying out detailed engineering for mixed feed coil upgradation has found that the installation of proposed additional coils can not be done in existing system. Installation of additional coils would require major revamp of ducts & structure and hence it is not feasible.	
7)	The VPC project was discussed, the financial saving due to reduction of steam consumption and due to CDM benefits was also discussed. It was emphasized to carry out brief techno-commercial study with some expert engineering company like PDIL, India. Few technical problems like failure of urea solution pump polymer deposition and lute choking were discussed, which may result in production and financial losses. However, possible carbon revenue through CDM may cover these risks.	Anand Bihari /
8)	It was emphasized that cutting of trees (township as well as in factory premises) would be carried out only after mutual discussions between the concerned departments i.e. Horticulture and Environment Control.	CB Tiwari / MN Dubey