



# United Phosphorus Limited

750, G.I.D.C., P.B. No. 9, Jhagadia 393110, Dist. Bharuch, Gujarat.  
Phone : (02645) 226011-15 Fax : (02645) 226017-18



Responsible Care®

Ref.: UPL/Jhg/ENV/27/2011/01

o/c

March 29, 2011

To,  
**Dr. A. Mehrotra,**  
**Additional Director (S),**  
Ministry of Environment & Forest,  
Regional Office – Western Region,  
Kendriya Paryavaran Bhavan,  
Link Road No. 3, Ravi Shankar Nagar  
BHOPAL – 462 016 (M.P.)

Id = 25353

Sub. : Half Yearly Report.

Ref.: 1. Environmental Clearance No. J.13011/26/96-1A.II, dtd. 24th. Dec., 1996 of 50 MW Combined Cycle Co. Generation Power Plant.  
2. Environmental Clearance No. J-11011/42/95-A.II (1), dtd. 17th. May, 1996 of 100 TPD Chlor-Alkali Plant.  
3. Environmental Clearance No. J-11011/325/2006-IA II (I) dtd. 25<sup>th</sup> July 2007 for various products.

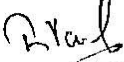
Dear Sir,

We hereby submit half-yearly Report, consisting of the following details for the period starting from July - 2010 to December - 2010 for your evaluation & records.

- (1) Status of Compliance of Conditions mentioned in above three Environmental Clearances
- (2) Ambient Air Monitoring Report.
- (3) Stack Monitoring Report.
- (4) Noise Level Monitoring Report.
- (5) Waste Water Analysis Report.
- (6) Ground Water Quality Report.
- (7) Soil Analysis report
- (8) Solid Waste Analysis report
- (9) Details of Green Belt Development.
- (10) Details of Expenditure on various Pollution Control Measures.


We trust that these details are in line with your requirements. Kindly acknowledge receipt of the same.

Thanking You,  
Yours faithfully,  
for United Phosphorus Ltd, Unit No. 5

  
K R Vaidya  
Unit Head

Encl.: a. a.

Cc: (1) The Zonal Officer  
CPCB, Baroda  
(2) The Regional Officer  
GPCB – Ankleshwar

  
7/5/11  
Received  
Gujarat Pollution Control Board  
R.O. Ankleshwar

UNITED PHOSPHORUS LTD., UNIT NO. 5  
JHAGADIA

STATUS CUM COMPLIANCE REPORT FOR ENV. CLEARANCE NO. J - 11011/325/2006

- IA II (I) dtd. 25<sup>th</sup> July 2007 for various products

Sr. No.	Condition	Status
1	The ministry of Environment & forest has examined the proposal. It is noted that the proposal is for expansion of Unit - V at Jhagadia Gujarat. The expansion project comprise of addition of new units for producing Pesticide Intermediate & Technical Products and expansion of existing Chlor-alkali & Captive Power Plants. Company proposes to produce the following Pesticides Intermediate Products, Technical Grade Pesticide Products along with their By - Products	Noted and complied. Company has started manufacturing of Mancozeb and Pendimethyline

Sr. No.	Products				By Products			
	Quantity in MT/Month				Quantity in MT/Month			
	Items	Existing Capacity	Additional Capacity	Overall capacity after expansion	Items	Existing capacity	Additional capacity	Overall capacity after expansion
1	Triphenyl Phosphite	300	-	300	HCl (30%)	353	-	353
2	Phosphorus Trichloride	2250	-	2250	-	-	-	-
3	2,4Di Chlorophenol	166	-	166	Mix Chloro phenol	15	-	15
					HCl (30%)	250	-	250
4	Phosphorus Oxychloride	150	-	150	-	-	-	-
5	Phosphorus	900	-	900	Ferrous Phosphorus	150	-	150
					Calcium Silicate	6000	-	6000
6	Phosphorus Acid	150	-	150	HCl(30%)	600	-	600
7	Trinonyl Phenyl Phosphite	100	-	100				
8	Phenyl Di Iso Decyl	100	-	100				

	Phosphite							
9	Amino Tri Methylene Phosphoric Acid	200	-	200				
10	Ethylene Diamine Tetra Phosphoric Acid	100	-	100				
11	Phosphorus Penta Chloride		150	150				
	DVACI Plant							
12	DVACI	-	300	300	Spent Sulphuric Acid	-	900	900
					POCl3	-	400	400
					HCL (28%)	-	490	490
					Sodium Sulphite (20%)	-	1200	1200
	Pesticides Intermediate Products - Multi Product Plant							
13	N - Alkylated Xylenes	-	300	300	Pera Toluene Sulphonic Acid (PTSA)	-	94	94
	OR							
	HRT Ketone	-	200	200				
	OR							
	2 - Ethyl 6 - Methyl - n - n Aniline	-	300	300				
	OR							
	MPBAL	-	300	300				
	Caustic Chlorine Plant							
14	Caustic Soda Lye 48% (On 100 % Basis)	4680	10500	15180	Sodium Hypochlorite	225	525	750
15	Chlorine	3972	8537	12509	-	-	-	-
16	Hydrogen	225	263	488	-	-	-	-
17	Hydrochloric Acid (30%)	1200	2625	3825	-	-	-	-
	Power Plant							
18	Electrical Power	50 MW/Hrs	37.6 MW/Hrs.	87.6 MW/Hrs.	Steam	30 MT / Hrs.	-	30 MT/Hrs
	Pesticides Technical Products							

19	Glyphosate	-	1000	1000				
20	Pendimethylen e	-	200	200				
21	Tebuconazole	-	200	200				
22	Metalochlor	-	200	200				
23	Aceflorfen	-	500	500	Acetic Acid (80%)	-	1185	1185
24	Mancozeb	-	4000	4000	Sodium Sulphat e 96% / Sodium Sulphat e Solution	-	4092/ 15680	4092/ 15680
25	Acephate	-	800	800	Ammoni um Acetate	-	464	464
26	Cypermethrin	-	500	500				
27	Permethrin	-	300	300	HCl (30%)	-	94.8	94.8
	Pesticides Formulation							
28	Isopropyl Amine Salt of Glyphosate (liq) - Formulation (KI/Month)	-	2600	2600				
29	Ammonium Salt of Glyphosate (liq) - Formulation (KI/Month)	-	2600	2600				
30	Sodium Salt of Aceflorofen - Formulation	-	1500	1500				
	CS2 (Carbon Disulfide) Plant							
31	Carbon Disulfide	-	3000	3000				
	MnSO4 (Manganese Sulfate) Plant							
32	MnSO4 (31%)	-	10000	10000				

2	The unit already has 50 MW CPP and additional 37.5 MW CPP is proposal to be added. Cooling Towers/ N2 Plant, Compressor, chilling unit, Biological ET, DM plant, Fire Fighting System etc. shall be added. Total cost of the expansion is Rs. 473.74 Crores and recurring cost will be Rs. 07.00 Crores. The company has total 8,85,601 sq m (218 acres) of land and the proposed expansion project will be in the existing premises. Out of this, about 91,655 sq m is covered as green belt and greenery and an additional agricultural or forest land is involved in the project site and no eco-sensitive zone is involved in 7 km area of the project site. However, about 21 Reserve Forests exist with 10 to 24 km from the site.	Noted
3	The project activities are listed at 4(c) and 5(b) in the schedule of the EIA Notification, 2006 and are of 'A' category. The project is submitted under the EIA Notification, 2006 for evaluation of the completeness of Draft EIA/EMP and for additional TORs, if any, as per Para 2.2.1(b) of the Ministry. The Interim Operational Guidelines dated 13 <sup>th</sup> October 2006 issued by the Ministry, The additional information as desired by the committee were submitted by the proponent, since the proposed project is industrial area, it would not need Public Consultation as per Para 7(i) III, Stage (3) (b) - public construction of EIA Notification 2006.	-
4	Based on the information provided, the Ministry of Environment and Forests hereby accords environmental clearance to above project under the provisions of EIA Notification dated 14 <sup>th</sup> September 2006 subject to the compliance of the following specific and General conditions:	-
5	<b>SPECIFIC CONDITIONS:</b>	
I	The gaseous emissions (SO <sub>2</sub> , NO <sub>x</sub> , HCl, Cl <sub>2</sub> , CH <sub>4</sub> , P <sub>2</sub> O <sub>5</sub> , DMS, H <sub>2</sub> S, HC, PCl <sub>3</sub> , NH <sub>4</sub> , CS <sub>2</sub> AND CO, HC and RSPM from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.	Noted and complied. We have regular monitoring internally and externally .All parameters are well within the limit
II	New standards for pesticides unit, as proposed by the CPCB under the E(P) A, 1986 shall be followed by the Unit.	Noted and complied.
III	Three new boilers shall be based on Imported Coal/Lignite/ RDF (pellets or fluff). Fuel for other boilers and D.G. Sets will be Natural Gas, HSD and FO.	Noted
IV	Natural Gas, H <sub>2</sub> and Cl <sub>2</sub> shall be transported through pipelines. Present transportation mode of hazardous Chemicals by road shall be switched over to railway line as soon as it is laid down. All Transportation of Hazardous Chemicals shall be as per the MVA, 1989	Noted

V	23 additional Stacks shall be provided for dispersion of gaseous emissions. The height of these shall be as per the Prescribed Stack Height rules and CPCB guidelines. For process emissions like HCl, Cl <sub>2</sub> , SO <sub>2</sub> , PCI <sub>3</sub> , CS <sub>2</sub> etc. Scrubbers shall be provided with each reactor for quenching. Waste air de-chlorination system shall be provided in the Caustic chlorine Plant, Vent gases from 2, 4-Dichloro Phenol shall be subjected to two-stage absorption consisting of DM water and caustic jet. For Chlorine, 2 stages Scrubber with recovery of Sodium Hypo shall be provided.	Noted and complied. Scrubbers provided for Mancozeb plant to control process emissions.
VI	Water/ Alkali Two stage Scrubber systems, Mist Eliminator with Koch filter and Wet Scrubber with Mist Eliminator shall be installed for the boilers. Thermic Fluid heater, D.G.Sets, The scrubbed water shall be sent to ETP for further treatment.	Complied
VII	Flare system shall be provided for burning of contaminated H <sub>2</sub> and Fume incinerator shall be provided for decomposition of contaminated air/gas from the plant.	Noted
VIII	For CPP, ESP will be provided which will meet SPM limits with in 50 mg/nm <sup>3</sup> .	Noted
IX	All liquid row material shall be stored in storage Tanks and Drums	Complied
X	Regular monitoring for SO <sub>2</sub> , NO <sub>x</sub> , HCl, Cl <sub>2</sub> , CH <sub>4</sub> , P <sub>2</sub> O <sub>5</sub> , DMS, H <sub>2</sub> S, HC, PCI <sub>3</sub> , NH <sub>3</sub> , CS <sub>2</sub> and VOC along with SPM and RSPM in the ambient air at carious probable locations in the plant shall be carried out.	Complied. Company have regular monitoring internally and externally . All parameters are well within limits.
XI	The location if ambient air quality monitoring station shall be reviewed in consultation with the State Pollution Control Board (SPCB) and additional stations shall be installed, if required in the downwind direction as well as where maximum ground level concentration are anticipated.	Noted and complied.
XII	Use if toxic solvent like Methylene Chloride (MC) etc. shall be minimized to the extent possible. Benzene shall not be used as solvent and no odorous compounds/ gas like Mercaptans or Hydrogen Sulfide shall be used or formed in any of reactions at the site.	Noted
XIII	Bioassay test and toxicity index shall be carried out regularly.	Complied
XIV	All the storage tanks shall be under negative pressure to avoid any leakages. Breathers, N <sub>2</sub> blanketing and condensers will be provided for all the storage tanks. Closed handling systems for chemicals and solvents will be provided. Magnetic seals will be provided for pumps/agitators for reactors for reduction of fugitive emission, Chilled Brine based condensers shall be used to prevent VOC emission. Solvent traps shall be installed wherever necessary.	Complied

XV	All venting equipment shall have vapour recovery system. All the pumps and other equipment's where there is a likelihood of HC leakages shall be provided with Leak Detection and Repair (LDAR) system and LEL indicators and Hydrocarbon detectors. Provision for immediate isolation of such equipment, in case of a leakage will also be made. The company shall provide a well defined Leak Detection and Repair (LDAR) programme for quantification and control of fugitive emissions. The detectors sensitivity will be in ppm levels.	Complied
XVI	Spent solvents shall be recovered as possible & solvent recovery shall be further increased from the present 95% to at least 98% percent. Solvent vapours emitted during purification process from purification tanks as fugitive emissions shall be reduced as far as possible.	Noted and complied.
XVII	Portable monitoring instruments for all relevant gases like Chlorine and Ammonia shall be provided.	Complied. Chlorine sensors are provided.
XVIII	Fugitive emissions in the work zone environment, product, raw materials storage area shall be regularly monitored for all relevant parameters. The emissions shall conform to the limits imposed by the State Pollution Boards/Central Pollution Control Board.	Complied. Online sensors are provided for monitoring Fugitive emissions like Chlorine, H2S etc.
XIX	No ground water shall be used for the project. Water requirement will not exceed 10,000 m <sup>3</sup> /day, which will be met through GIDC Water supply.	Complied. Our water consumption is well within the limit.
XX	Daily waste water generation will not exceed to 4,575 m <sup>3</sup> /day. The whole waste water shall be treated in the proposed two ETPs. One Effluent Treatment Plant shall consist of primary, secondary and tertiary treatment units for the proposed Pesticide, CS <sub>2</sub> and MnSO <sub>4</sub> Plants. The inorganic stream shall be sent to CETP after the primary treatment. The Biodegradable stream shall be treated up to tertiary treatment. High TDS and low COD stream shall taken to MEE System and High Organic (high COD) stream will be incinerated. The final treated effluent will be collected in collection sump and discharged through GIDC drainage line. The effluent generated from the proposed 350 TPD Caustic Chlorine and enhanced CPP which will be modified. The effluent generated from the proposed pesticides in the proposed ETP. The treated effluent shall be sent to CETP of BEAIL for final discharge into the deep sea through closed pipeline. No free solvent shall go to the ETP.	Complied. Effluent treatment plant consisting primary, Secondary and tertiary treatment. Augmented the treatment system with Hypo treatment to meet the Ammonical Nitrogen

XXI	Hazardous / Solid Waste generated shall be as per the list and quantities submitted to this Ministry as per the letter no. UJH/PRO/17/2007 dated 14 <sup>th</sup> May 2007. On-site Incinerator shall be installed to incinerate incinerable waste. Otherwise the waste shall be sent to the Common Incinerator of BEIL. Land fillable waste shall be sent to BEIL-TSDF.	Complied. We have taken membership of BEIL and sending material to BEIL regularly.
XXII	Emissions from the incinerator shall be the prescribed norms for the incinerators. Monitoring Protocol as prescribed in these standard shall be followed.	Noted
XXIII	Fly ash generated from the CPP will be utilized for Brick manufacturing and for Cement manufacturing as per the Fly Ash Utilisation Notification.	Noted
XXIV	All safety measures suggested in the letter no. UJH/PRO/17/2007 dated 14 <sup>th</sup> May 2007 for the solvent and reactants storage shall be implemented	Noted & complied
XV	The company shall undertake following Waste Minimization measures.	
A	Metering and control of quantities of active ingredients to minimize waste.	Noted and complied
B	Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.	Complied
C	Use of automated filling to minimize spillage.	Complied
D	Use of "Close Feed" system into batch reactors.	Complied
E	Venting equipment through vapour recovery system.	Complied
F	Use of high pressure hoses for equipment clearing to reduce wastewater generation.	Noted
G	The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in 2000 for handling of hazardous chemicals. Necessary approvals from Chief Controller of Explosives must be obtained before commissioning of the expansion project. Requisite On-Site and Off-Site Disaster Management Plans will be prepared and implemented. Regular mock drills shall be carried out for both On-Site and Off-Sit plans.	Noted
H	The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water.	Noted
I	Minimum 25% of the total area shall be developed as green belt as per the CPCB guidelines. Additional 1,12,091 sq.m shall be developed as green belt.	Noted
J	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied
K	Training shall be imparted to all employees on safety and health aspects of chemicals handling. As informed to the Ministry. OHSAS 18001 shall be continued. Pre employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imported.	Complied
L	Usage of PPEs by all employees/ workers shall be ensured.	Complied
M	The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).	Complied



N	The company shall harvest surface as well as rainwater from the rooftops of the buildings proposed in the expansion project and storm water drains to recharge the ground water and use the same water for various activities of the project to conserve fresh water.	Noted
O	All the recommendations made by the consultants in respect of environmental management and risk mitigation measures relating to the project shall be implemented.	Complied
P	The company shall undertake all relevant measures as indicated during the Public Hearing for improving the Socio-economic conditions of the surrounding area. CSR activities will be undertaken by involving local villages and administration.	Complied
Q	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan should be submitted to the SPCB within three months of receipt of this letter for approval.	Noted
GENERAL CONDITIONS		
I	The project authorities shall strictly adhere to the stipulations made by the State Pollution Control Board.	Complied
II	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted and complied.
III	At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	Noted and Complied.
IV	The project authorities shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October, 1994 and January, 2000. Authorization from the SPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.	Complied
V	The over all noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (protection) Act,1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Complied
VI	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report.	Complied
VII	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Complied

VIII	The project authorities shall earmark separate funds of Rs. 43.09 Crores to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. Rs. 07.00 crores will be the annual recurring expenditure for environmental protection measures. The funds so provided shall not be diverted for any other purpose.	Noted and being complied
IX	The implementation of the project vis-à-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry / SPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies.	Complied
X	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied
XI	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied
XII	The Ministry may revoke the right to stipulated additional conditions, if found necessary. The company in a time bound manner will implement these conditions.	Noted
XIII	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 Hazardous Waste (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments rules.	Noted

UNITED PHOSPHORUS LTD., UNIT NO. 5  
JHAGADIA

STATUS CUM COMPLIANCE REPORT FOR 100 TPD CCP ENV. CLEARANCE

Environmental Clearance No. J-11011/42/95-A.II (1), dtd. 17th. May, 1996 of 100 TPD Chlor-Alkali Plant

Sr. No.	Condition	Status
1	To adhere GPCB and state Govt. stipulation	Complied as per CCA No. 10067 Dated 25 <sup>th</sup> February 2008 valid up to 18.12.2012
2	To intimate MoEF about any project coming up in the premises	Complied. As and when new projects are coming up, we will intimate MOEF
3	Gaseous (CL <sub>2</sub> , SO <sub>2</sub> , Nox, HC ) and particulate emission from the various process vents and storage tanks should conform to the standards.	Complied Parameters are within limits.
4	Three AAQ to install  Stack emission to monitor regularly  To submit AAQ + Stack report to MoEF once in six month with statistical analysis and interpretation	3 AAQ installed for monitoring of SPM,SO <sub>2</sub> ,NOX & CL <sub>2</sub> . CL <sub>2</sub> ,HCL Monitored in Hypo & Hcl stacks Results are being submitted in half yearly reports. It is well within stipulated norms.
5	Fugitive emission monitoring and data recorded Chlorine sensor is to be installed in the chlorine storage area at lower level between the tanks	16 Cl <sub>2</sub> sensors at strategic locations & monitored on DCS.
6	Liquid effluents coming out of the plants should be confirmed to the standard prescribed by the GPCB Recycling and reuse of the treated waste water should be maximized	Complied  Steam condensate of Caustic Evaporation reused in Brine make up & Cooling tower make up
7	Adequate measures for the control noise levels below 85dB.  Employees to be provided with PPE.  Engineering Control measures to reduce noise	Monitoring done monthly. Range is from 70 to 75dB Ear muffs & ear plugs are provided to the person working in high noise area like H <sub>2</sub> compressor, & air compressor Acoustic enclosures provided
8	Occupational health surveillance program with respect to exposure to chlorine, thermal stresses and noise pollution.	Complied. We are doing half yearly medical check up. We are also doing full body medical check up by external expert agency once in two years. All records are maintained

9	<p>Green belt of adequate width &amp; density covering 25 acres of land should be developed</p> <p>Treated effluent to be used for green belt development</p>	<p>Complied Presently we have about 36000 trees</p> <p>Sewage water is used for gardening</p>
10	<p>Educate the neighboring people for accidental release of chlorine</p> <p>To install wind sock</p> <p>Necessary approval from CCE &amp; Chief Inspector of Factories</p>	<p>Complied. Disclosure of Information on CL2 to general public is given in book let thrice and also conducted awareness program in the year 1999 &amp; 2005 We have installed 9 wind socks inside the factory</p> <p>Obtained CCE approval for CL2 Storage, filling in toners, hydro testing. Also for H2 filling &amp; storage. Maps of plant approved &amp; inspected by Chief Inspector of Factories (Director - Industrial Safety &amp; Health, Gujarat State)</p>
11	Hazardous waste handling as per rules 1989	<p>Complied Yearly return submission is done for solid waste generation &amp; disposal to GPCB</p>
12	To follow hazardous chemicals Mfg./Storage/Handling / import Rules1989-1994	<p>Complied. MSIHC guidelines followed for e.g On site emergency plan, MSDS etc.</p>
13	To set up laboratory for collection & analysis of sample	<p>Complied Laboratory is in operation &amp; regular analysis is being done for waste water, stacks &amp; ambient air, ground water etc.</p>
14	Set up Environment management cell	<p>Internal Environment management cell comprising of Unit Head, plant head, SHE Head &amp; Corporate Environment head is in operation for close monitoring. The environment cell verifies environmental performance and involves in environmental audit</p>

15	<p>Funds earmarked during project for Env. protection</p> <p>Year wise expenditure to be submitted to MoEF</p>	<p>Complied. Project has been commissioned since 1997 with compliance of all environment related protection Statement of expenditure submitted half yearly.</p>
16	Six monthly - Half yearly report submission to MoEF	Being submitted regularly

**UNITED PHOSPHORUS LTD., UNIT NO. 5  
JHAGADIA**

**STATUS CUM COMPLIANCE REPORT FOR 50 MW PP ENV. CLEARANCE**

Environmental Clearance No. J.13011/26/96-1A.II, dtd. 24th. Dec., 1996 of 50 MW Combined Cycle Co.  
Generation Power Plant.

<b>Sr. No.</b>	<b>Condition</b>	<b>Status</b>
1	All the conditions stipulated in the GPCB NOC No. PC/NOC/-BRCH-1611/9518 should be implemented	Complied for effluent quantity & quality norms
2	An area of 103 acres only to be acquired for power plant including green belt development	Complied. Power plant is included in the area of 103 acres
3	Three stack of height 30m, 35m, 7m for Gas Turbine, HRSG, DG sets should be installed	Installed & commissioned
4	Ambient air quality should be regularly monitored and results should be submitted to the MoEF every six months	We are submitting results half yearly to MOEF.
5	Sulfur content in Naphtha should not exceed 0.15%	Condition is not applicable now as we have switched over from Naphtha to Natural Gas from June 2002 and consent has been obtained
6	Nox control system should be installed to ensure that Nox emission should not exceed 50 ppm	Nox is well within norms.
7	To use effluent for green belt development	It is being used
8	Water used for plant should be restricted to 6480 KL/Day	It ranges from 1200 to 1500 KL/Day
9	Adequate measured for Noise control below - 85 dB  To give PPE to employees	Enclosures provided to control noise People use ear muffs & ear plugs
10	Green belt development @ 1500-2000 trees / hectares	Presently we have about 36000 trees
11	Land fill site provided	No solid waste generation from power plant
12	To build thermal proof wall between Naphtha tanks and switch yard	Not applicable as we have switched over from Naphtha to Natural Gas.
13	Sludge from common sludge tank to be incinerated and disposed in the land fill site	No such sludge is generated which requires incinerator
14	Full cooperation should be extended to the statutory authority during their visit	Noted the point
15	Funds earmarked for Env. protection during project	Project has been commissioned since 1997 with compliance of all environment related protection

16	Environment monitoring committee should be constitute	<p>As our plant is commissioned since long Internal Environment management cell comprising of Unit Head, plant head, SHE Head &amp; Corporate Environment head is in operation for close monitoring.</p> <p>After implementation of the project, we have constituted a monitoring committee and the last meeting was conducted in September - 2002</p> <p>We have carried out a meeting involving various stakeholders including the monitoring members in September 2005 in connection with information on the change over of fuel from naphtha to natural gas as we are working on CDM project.</p>
17	Any deviation or alternation in project need fresh reference to the ministry	There was no deviation during project. However subsequently raw material change from Naphtha to Natural Gas in 2002