

**Compliance Report for the conditions in the
Environmental Clearance # J.11011/377/2006-IA.II(I) dated 30.06.2006
issued by Ministry of Environment and Forests, New Delhi
product mix change of pesticide unit by
United Phosphorus Ltd., Unit # 9, Haldia, West Bengal
Period December - 10 to May - 11**

Condition		Compliance
No	Description	Status
01	Refer letter dated 27.10.2006 along with project documents including Form # 1, Pre-Feasibility Report and draft "Terms of Reference" as per EIA Notification 2006 and subsequent clarifications furnished vide communications dated 17.11.2006 regarding above project	
02	MoEF has examined the application. It is noted that proposal is for product mix change of pesticides in Pesticide Unit at Durgachak, Haldia, East Midnapur, West Bengal, by M/s SWAL Corporation Ltd and product mix change will be carried out at existing site only and no additional land, manpower, water and power will be required. Site is not located in any sensitive or critically polluted area	
03	Additional pesticide product vix. Metamitron (40 TPM) or Acephate (100 TPM) will be manufactured (only one at a time) as an alternate using existing manufacturing facilities with some upgradation related to pollution control measures only vix. Multi Effect Evaporator (MEE), column, pumps etc. Production of Iso Propyl Bromide will be discontinued. Cyclones to boiler and wet scrubbers to incinerator will be provided to control air emissions. All effluent generated will be treated in ETP. Effluent generated during production of Metamitron with high TDS will be treated in MEE and solids along with other solid / hazardous wastes will be sent to CHWTSDF. Total cost of project is Rs 92 Lacs. In view of these features of proposed product mix change of pesticides, Expert Appraisal Committee (Industry) recommended proposal for Environmental Clearance requiring no EIA / EMP and public consultation as per provisions of Section (para) 7 (ii) of EIA Notification 2006	Complied Production detail enclosed. Pl refer Annexure- 1
04	MoEF hereby accords Environmental Clearance to above Unit under EIA Notification 2006 subject to compliance of terms and conditions mentioned below	Noted and complied
SPECIFIC CONDITIONS		
01	The gaseous emissions (SO ₂ , NO _x , HCl & Cl ₂) and particulate matter 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	Complied. We have chimney attached with boiler, DG set. We are monitoring gaseous emission like SO _x , NO _x , HCl & Cl ₂ and testing is being done by WBPCB recognized laboratory & WBPCB itself. All parameters are well within the limit. Monitoring results are enclosed. Pl refer Annexure -2

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	desired efficiency	
02	Ambient air quality monitoring stations shall be set up as per statutory requirement in consultation with the WBPCB	Complied Ambient air quality is being monitored at different areas by WBPCB recognized laboratory. All parameters are well within the limit. Monitoring results are enclosed. Pl refer annexure -2
03	The stack emissions from various sources shall be controlled by installing cyclones to the boilers and wet scrubbers to the incinerator to control gaseous emissions within the permissible limits	Complied. We have provided cyclone / bag filter to our boiler and wet scrubber to our incinerator. Now our incinerator is idle / kept as stand by and Incinerable waste is being sent to BWML (a common waste disposal site at haldia) for incineration. Company have internally and external monitoring and all parameters are well within the limit.
04	The fugitive emissions at appropriate places in the plant shall be suitably controlled. Action shall be taken to reduce the air emissions in the work zone environment as far as possible. Fugitive emissions in the workplace environment, product, raw material storage areas shall be regularly monitored. The flue gas emissions shall conform to the standards prescribed by the W.B. Pollution Control Board (WBPCB)	Complied. We have common venting system in process plant and alkaline scrubber system has been provided to control all fugitive emissions. If there is any failure we take prompt action to control the same
05	All the effluent shall be treated in the effluent treatment plant (ETP). High TDS effluent shall be treated in Multi-Effect Evaporator and Salts from MEE shall be sent to the CHWTSDF along with other solid / hazardous wastes. The domestic effluent shall be treated in septic tank followed by the soak pit. The quality of treated effluent shall conform to the standards prescribed by WBPCB / EPA Rules	Complied. All of our effluent is being taken care by our ETP. Solid /sludge generated is being sent to BWML, a common disposal facility at Haldia. Organic waste is being sent to BWML for incineration
06	All the recommendations mentioned in the Charter on Corporate Responsibility on Environmental Protection (CREP) guidelines will be followed	Complied. We are maintaining / following all recommendations mentioned in the CREP guidelines.
07	Green belt of adequate width and density shall be developed in at least 33% of the project area to mitigate the effect of fugitive emissions all round the plant. The development of green belt along the boundary wall, open space and avenue roads shall be provided in consultation with the local DFO as per the CPCB guidelines	Complied. This year also we have planning for plantation of 1000 Saplings and distributed 400 Saplings on 5 th June to local people for plantation through WBPCB officials
08	The company shall adopt waste minimization/cleaner production techniques to reduce the pollution load and action plan in this regard shall be submitted to the Ministry within three months	Complied We developed method to recover by-product waste stream also got approval from MoEF vide letter # J-11011/377/2006-IA-II(I) Dated 11.112008. We got NOC / CFO from WBPCB to do this change in process.
09	The company shall undertake rainwater-harvesting measures to recharge the ground water as well as reduce consumption of fresh water	Complied. We have two big ponds to hold rainwater and utilized for gardening.
10	The project proponent shall comply with the environmental protection measures and safeguards recommended in EIA / EMP / Risk Analysis reports	Complied. All effluent is being treated by our ETP. Solid hazardous waste is being sent to Common hazardous waste treatment facility of BWML. Organic or high COD waste is being sent to BWML for incinerator. EIA / EMP study was

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		done & report was made. We are implementing the recommendations made in the report
11	The Company shall undertake eco-development 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 WBPCB within three months of receipt of this letter for approval	Complied. We 4 / 5 industries at haldia made a society who are running a school (ICSE / ISE). Not only students form us but out side children are allowed to study in the school. We are also paying donation which goes for development of local students
12	Production of Iso Propyl Bromide shall be discontinued. Additional pesticide product viz. Metamitron (40 MTPM) or Acephate (100 MTPM) shall be manufactured (only one at a time) as an alternate using existing manufacturing facilities	Complied. We have stopped Iso Propyl Bromide production. Since we are using same equipments for Acephate as well as for Metamitron process .
13	Necessary other statutory clearances from concerned departments including 'No Objection Certificate' from the WBPCB shall be obtained prior to commencement of construction and / or operation regarding expansion / modernization	Complied. We have taken all statutory clearances from concerned departments including 'No Objection Certificate' from the WBPCB prior to commencement of construction and / or operation regarding expansion /modernization
GENERAL CONDITIONS		
01	The project authorities must strictly adhere to the stipulations made by the W.B. Pollution Control Board (WBPCB) and the State Government	Complied. There was no violation regarding compliance
02	No further expansion / modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests	Complied. We are obeying MoEF guide line
03	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management & Handling) Rules, 2003	Complied. We have authorization from WBPCB in that respect. We took membership to WBWML, a common disposal cum incineration facility at haldia and are sending hazardous materials to them
04	The project proponent shall also comply with all the safeguards recommended in the EIA / EMP Report	Complying
05	The project authorities will set up a separate environmental management cell for effective implementation of all the above stipulations under control of Senior Executive	Complied. Done and is being maintained
06	Adequate funds towards capital cost and recurring expenditure/annum shall be earmarked and judiciously utilized to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government and a time bound implementation schedule for all the conditions stipulated herein shall be submitted. The funds so provided shall not be diverted for any other purposes	Complied. Capital expenditure and revenue expenses are part of unit budget. Management has committed to Environmental compliance and regularly arranging funds as and when required
07	The Regional Office of this Ministry at Bhuvaneshwar / Central Pollution Control Board / WBPCB will monitor the stipulated conditions. A six monthly compliance status report and the monitored data alongwith statistical interpretation shall be submitted to monitoring agencies	Complied. We are sending status report to Regional office, Bhuvaneshwar. CPCB and WBPCB.

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	regularly	
08	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 WBPCB / Committee and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This should 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 Regional office at Bhuvaneshwar	Complied. As directed we have made advertisement in two local newspapers and copy of same was sent to Bhuvaneshwar and same was shown to MoEF officials when he visited haldia
09	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 commencing the land development work, if any	Complied. We got NOC and then Consent from WBPCB for Metamitron. We got NOC and CFO for recovery of Hydrazine Sulphate / hydrazine hydrate from MMT residue. We got EC, vide letter # J-11011/914/2008-IA-II(I) Dated 29.04.2009. for expansion for new products and we got NOC & CFO for Asulam / Aslox as part and got NOC for other products (excepting Pretilachlor) for which project work is not yet completed.

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ANNEXURE - I

	Acephate	Metamitron	Ethion	Dimethoate	Asulam
Dec 10	98.23	0	38.15	0	114
Jan 11	95.56	0	22.97	0	133
Feb 11	61	0	15.2	0	134
Mar 11	99.2	0	0	0	162
Apr 11	98.9	0	0	0	90
May 11	99.1	0	40.45	0	134
CFO	100	OR 40	60	OR 60	200

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June 08, 2011

To,

The Director,

Ministry of Environment & Forest,

Govt. of India,

Eastern Regional Office,

A / 3, Chandrasekharpur,

Bhubaneswar – 751 023.

Dear Sir,

Sub. : Half yearly Environmental Clearance Compliance status report

Ref :- 1)Environmental Clearance # J.11011/377/2006-IA.II(I) dated 30.06.2006

Kindly refer above Environmental Clearance ## J.11011/377/2006-IA.II(I) dated 30.06.2006 and to our unit located at Durgachak, Haldia - 721602, Dist. - Purba Midnapore, W.B.,

Enclosed please find hard copy of half yearly status report for the month of Dec 10 to May 11 for our unit.

We hope that the above is in order. In case you need any additional information, we can provide the same on hearing from you.

Kindly acknowledge receipt of the same.

Thanks & regards.

Yours faithfully,

For United phosphorus Limited

(B. Bhattacharya)

General Manager

Encl. : Status report,

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**To,
The Director,
Ministry of Environment & Forest,
Govt. of India,
Eastern Regional Office,
A / 3, Chandrasekharpur,
Bhubaneswar – 751 023.**

Mr. S. K. Barman
United phosphorus Limited,
P.O. - Durgachak, Haldia - 721602,
Purba Midnapore, W. B.