

भारतीय डाक



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To: THE DIRECTOR, MINISTRY OF ENVIRON

MENT FOREST RAJBANESWAR, PIN:751023

From: UPL LTD, HALDIA

Wt: 100grams,

Am: 45.00, 24/12/2013, 12:56

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**Compliance Report for the conditions in the
Environmental Clearance # J.11011/914/2008-IA II(I) dated 29.04.2009
issued by Ministry of Environment and Forests, New Delhi
proposed expansion of pesticides unit by
United Phosphorus Ltd., Unit # 9, Haldia, West Bengal
Period June -13 to November - 13**

	Condition	Compliance
No	Description	Status

01	Refer letter dated 04.11.2008 and subsequent communication dated 26.02.09 along with Form # 1, Pre-Feasibility Report and additional information on the abovementioned subject seeking environmental clearance under the Environmental Impact Assessment notification, 2006.	Noted and complied																
02	MoEF has examined the application. It is noted that M/s, United Phosphorus Ltd. have proposed for expansion of Pesticide manufacturing unit from 325 MTPM to 950 MTPM. Besides by products will also be manufactured. The details of the products to be manufactured are annexed. The unit is located at Durgachak, Haldia, Dist. Purba Medinipue, West Bengal. Proposed expansion will be carried within the existing unit having land area of 60,703 m2. No eco-sensitive areas are located within 10 km radius of the plant. Cost of the project will be Rs. 17.20 Crores.	<p>Complied</p> <p>Company has obtained NOC & CFO for Asulam & Asulox. We have started manufacturing of Asulam & Asulox (formulation of Asulam) only.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th>Month</th> <th>Jun 13</th> <th>Jul 13</th> <th>Aug 13</th> <th>Sept 13</th> <th>Oct 13</th> <th>Nov 13</th> <th>CFO</th> </tr> </thead> <tbody> <tr> <td>200</td> <td>81.56</td> <td>129.74</td> <td>159.74</td> <td>159.22</td> <td>184.65</td> <td>174.23</td> <td>200</td> </tr> </tbody> </table> <p>For other products we obtained NOC only.</p> <p>Capital investment for Asulam Plant is Rs 5.15 Crores.</p>	Month	Jun 13	Jul 13	Aug 13	Sept 13	Oct 13	Nov 13	CFO	200	81.56	129.74	159.74	159.22	184.65	174.23	200
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200	81.56	129.74	159.74	159.22	184.65	174.23	200											
03	It is noted that water requirement after the proposed expansion will be 453 m3/day and will be met from the Geonkhali water supply and bore well. The present effluent generation is 25 m3/day having facility for primary and secondary treatment which will be increased to 45 m3/day. Presently the effluent are treated in existing ETP and subsequently mixed with other streams like cooling tower blow down, and used for green belt development. About 15 m3/d of high TDS effluent from process are treated in multistage evaporated system and additionally 18 m3/d of high TDS effluent will be generated which will be treated in multi effect evaporator. The mother liquor will have mercury content of 3 to 5 ppm which will be treated by addition of caustic solution /lime and sodium sulphide to convert the soluble mercury to insoluble mercury sulphide. Subsequently, polyelectrolyte or alum will be added for flocculation followed by sludge separation. The effluent will have mercury level less than 0.01 mg/lit before sending to ETP. Power requirement of 4250 KW will be sourced from the WBSEB. Fuel requirement for boiler will be coal (60 MT/day). Fuel requirement for DG set will be HSD(250 lts/hr). Process emissions in the form of SO2 and HCl will be controlled by alkali and water scrubber respectively. The sodium sulphide and 30 % HCl will be recovered as by-product. The cyclone separator has been installed and stack height of 30 m is proposed for the 1 MT and 3MT coal fired boiler to control the particulate emissions.	<p>Complied.</p> <p>Company has obtained NOC & CFO for Asulam & Asulox. We have started manufacturing of Asulam & Asulox only.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th>Month</th> <th>Jun 13</th> <th>Jul 13</th> <th>Aug 13</th> <th>Sept 13</th> <th>Oct 13</th> <th>Nov 13</th> <th>CFO permission</th> </tr> </thead> <tbody> <tr> <td>200</td> <td>81.56</td> <td>129.74</td> <td>159.74</td> <td>159.22</td> <td>184.65</td> <td>174.23</td> <td>200</td> </tr> </tbody> </table> <p>For other technical products, expansion for Metamitron, Bagalol we obtained NOC (memo no. - 418-2N-208/2006 (E), dated - 30.06.2010) where plant is not yet ready for production.</p> <p>Generated effluent is being treated in existing ETP where we treated aqueous waste by chemically then biologically.</p>	Month	Jun 13	Jul 13	Aug 13	Sept 13	Oct 13	Nov 13	CFO permission	200	81.56	129.74	159.74	159.22	184.65	174.23	200
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200	81.56	129.74	159.74	159.22	184.65	174.23	200											
04	Hazardous waste generation will be in the form of waste from process (6.5 MT/M) and waste from liquid effluent treatment (1.465 MTPM) which will be disposed at WBWML. Waste from MMT process Liquid (Hydrazine Hydrate) (100 MT/M) / Solid (Na Sulphate) (170 MTPM) will be consumed for MMT/sold. Waste from MMT process solid (Hydrazine Sulphate) (166.25 MTPM) will be sold to authorized party / WBWML. Rejected material/scrap (1.22 MT/month) will be disposed at WBWML. Coal ash from boiler (60 X 0.25 X 30 MT/month) will be sent for land filling. Asulam formulation (2 MT/month) and Pretilachlor Plant (3.85) will be	<p>Noted and complied</p> <p>Hazardous waste is being disposed to WBWML. Company have membership of WBWML for disposal of waste generated for landfilling and Incineration.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>Type of hazardous Waste</th> <th>Disposal in 13-14 (June -Nov)</th> <th>Disposed at</th> </tr> </thead> <tbody> <tr> <td>a) Chemical sludge from waste water treatment</td> <td style="text-align: center;">6,120 MT</td> <td style="text-align: center;">Send to WBWML for Land filling</td> </tr> <tr> <td>b) Process wastes & residues.</td> <td style="text-align: center;">13.820 MT</td> <td style="text-align: center;">Send to WBWML for Incineration</td> </tr> </tbody> </table>	Type of hazardous Waste	Disposal in 13-14 (June -Nov)	Disposed at	a) Chemical sludge from waste water treatment	6,120 MT	Send to WBWML for Land filling	b) Process wastes & residues.	13.820 MT	Send to WBWML for Incineration							
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	disposed at WBWML. Used oil (1MTPM) will be sold to MoEF recyclers.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">c) Chemical sludge containing residue pesticides.</td> <td style="width: 20%;">Nil</td> <td style="width: 50%;"></td> </tr> <tr> <td>d) Date-expired & off specification pesticides.</td> <td>NIL</td> <td></td> </tr> <tr> <td>e) Used / spent oil.</td> <td>Nil</td> <td></td> </tr> <tr> <td>f) Ash from incineration of hazardous waste, flue gas cleaning residue.</td> <td>NIL</td> <td></td> </tr> </table> <p>Hazardous waste authorisation was renewed up to 30.11.2015 & memo no - 123 /2S (HW) - 259 / 99 - 2000.</p>	c) Chemical sludge containing residue pesticides.	Nil		d) Date-expired & off specification pesticides.	NIL		e) Used / spent oil.	Nil		f) Ash from incineration of hazardous waste, flue gas cleaning residue.	NIL	
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05	The pesticides manufacturing units have been listed at Sl.no. 5(b) under category 'A' of Environmental Impact Assessment Notification, 2006. The proposal was considered by the Expert Appraisal Committee (Industry) in its 90 th meeting held on 6-8 th January, 2009 The Committee sought additional information and deferred the proposal. On receipt of information, proposal was placed before the Expert Appraisal Committee in its 92 nd meeting held on 18-20 th March, 2009. The committee recommended the proposal for grant of environmental clearance as per para 7 (ii) of EIA Notification, 2006.As the unit is located in the industrial estate, the public hearing/ consultation of the project is not required as per para 7 (i)-III (b) Stage (3) – public consultation of EIA Notification,2006.	Noted and Complied
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06	Based on the information submitted by the project authorities, the Ministry of Environment and Forests hereby accords environmental clearance to above project under the provisions of EIA Notification, dated 14 th September 2006 subject to the compliance of the following Specific and General Conditions:	Noted and Complied
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SPECIFIC CONDITIONS

01	The effluent shall be segregated based on the pollution load. The biodegradable effluent shall be treated in the ETP for primary and secondary treatment and treated effluent after conforming to the prescribe standards shall be used for green belt development. The high TDS effluent shall be evaporated in the multistage evaporator. The mother liquor after mercury recovery shall be treated before discharging into ETP and shall be ensured that concentration of mercury conform to the prescribed standards.	<p>Complied.</p> <p>Company has obtained NOC & CFO for Asulam & Asulox in 1st phase and NOC for Metamitro expansion and Bagalol in the 2nd phase. We have started manufacturing of Asulam & Asulox only as the plant made ready for production & SPCB awarded CFO (489-1A-36/2000(Pt-II) dated - 31.08.2010.</p> <p>For other products we obtained NOC only. Generated effluent is being treated in an existing ETP. Where chemical treatment, followed by biological treatment. Sludge & high COD waste is being sent to TSDF facility at Haldia. The Mercury treatment and recovery will be set up alongwith new product, Bagalol.</p>
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02	Process emissions in the form of SO ₂ and HCl shall be scrubbed with alkali and water scrubber respectively to control SO ₂ and HCL emissions. The by-product shall be recovered as sodium sulphite and 30 % HCl. The emissions shall be dispersed through stack of adequate height as per CPCB standards. The gaseous emissions from the DG sets shall be dispersed through stack of adequate height as per CPCB standards. Acoustic enclosures shall be provided	<p>Complied.</p> <p>For ambient air -</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <tr> <td></td> <td>SO₂</td> <td>NOX</td> <td></td> <td>HCl</td> <td>Cl₂</td> <td></td> </tr> <tr> <td>µg/m³</td> <td>19 - 20</td> <td>47- 48</td> <td>µg /m³</td> <td>BDL</td> <td>BDL</td> <td></td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>stacks</td> <td>Boiler</td> <td>DG 500</td> <td>DG 625</td> <td></td> </tr> <tr> <td>SPM</td> <td>114</td> <td>39</td> <td>47</td> <td></td> </tr> </table>		SO ₂	NOX		HCl	Cl ₂		µg/m ³	19 - 20	47- 48	µg /m ³	BDL	BDL		stacks	Boiler	DG 500	DG 625		SPM	114	39	47	
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	to the DG set to control the noise pollution. The particulate emissions from the coal fired boiler shall be controlled by cyclone separator and emissions shall be dispersed through of stack of height as per CPCB standards.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Mg/Nm3</td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> </table>	Mg/Nm3																															
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03	The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MOEF, the respective Zonal office of CPCB and the State Pollution Control Board. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters like VOC, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	<p>Complied.</p> <p>Flue gas stacks and process stacks Monitoring results are well within limit.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">stacks</td> <td style="width: 15%;">Boiler</td> <td style="width: 15%;">DG 500</td> <td style="width: 15%;">DG 625</td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> <tr> <td>SPM</td> <td>114</td> <td>39</td> <td>47</td> <td></td> <td></td> </tr> <tr> <td>Mg/Nm3</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>Ambient Air</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;">SO₂</td> <td style="width: 15%;">NO_x</td> <td style="width: 15%;"></td> <td style="width: 15%;">HCl</td> <td style="width: 15%;">Cl₂</td> <td style="width: 15%;"></td> </tr> <tr> <td>µg/m³</td> <td>19 - 20</td> <td>47 - 48</td> <td>Mg/m³</td> <td>BDL</td> <td>BDL</td> <td></td> </tr> </table>	stacks	Boiler	DG 500	DG 625			SPM	114	39	47			Mg/Nm3							SO ₂	NO _x		HCl	Cl ₂		µg/m ³	19 - 20	47 - 48	Mg/m ³	BDL	BDL	
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04	The company shall adopt cleaner production technology to minimize the quantity of fresh water requirement and process effluent generation.	Complied.																																
05	The Company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans boundary movement) Rules, 2008 for management of hazardous wastes and prior permission from GPCB shall be obtained for disposal of solid / hazardous waste in the TSDF. The concerned company shall undertake measures for fire fighting facilities in case of emergency.	<p>Complied.</p> <p>Hazardous waste authorisation was renewed up to 30.11.2015 & memo no - 123 /25 (HW) - 259 / 99 - 2000.</p> <p>We took membership of the TSDF facility at Haldia, WBWML (West Bengal Waste Management Ltd). Hazardous waste is being disposed to WBWML and Used oil to CPCB authorised party.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Type of hazardous Waste</td> <td style="width: 30%;">Disposal in 13-14 (June -Nov) MT</td> </tr> <tr> <td>a) Chemical sludge from waste water treatment</td> <td>6.120</td> </tr> <tr> <td>b) Process wastes & residues.</td> <td>13.820</td> </tr> <tr> <td>c) Chemical sludge containing residue pesticides.</td> <td>Nil</td> </tr> <tr> <td>d) Date-expired & off specification pesticides.</td> <td>NIL</td> </tr> <tr> <td>e) Used / spent oil.</td> <td>Nil</td> </tr> <tr> <td>f) Ash from incineration of hazardous waste, flue gas cleaning residue.</td> <td>NIL</td> </tr> </table>	Type of hazardous Waste	Disposal in 13-14 (June -Nov) MT	a) Chemical sludge from waste water treatment	6.120	b) Process wastes & residues.	13.820	c) Chemical sludge containing residue pesticides.	Nil	d) Date-expired & off specification pesticides.	NIL	e) Used / spent oil.	Nil	f) Ash from incineration of hazardous waste, flue gas cleaning residue.	NIL																		
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06	The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October, 1994 and January, 2000. All Transportation of Hazardous Chemicals shall be as per the MVA,1989.	Complied.																																
07	The company shall undertake following Waste Minimization measures :- a) Metering and control of quantities of active ingredients to minimize waste. b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. c) Use of automated filling to minimize spillage. d) Use of "Close Feed" system into batch reactors. e) Venting equipment through vapour recovery system. f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.	<p>a) Complying.</p> <p>b) Methanol recovered from Asulam waste and Ethanol recovered from Metamitron waste are being recycle in process and excess is being utilised other industry as their raw material.</p> <p>c) We are using semi automatic machine for liquid filli.</p> <p>d) All liquids are being charged through day tank to reactor. And solid is being charged through rotary feeder. All reactor / vessel are connected in a common circuit where heat exchanger with CHGW facility is provided to condense vapours and minimise loss of vapour.</p> <p>e) Same as mentioned above.</p> <p>f) Complying.</p>																																
"08	Fugitive emissions in the work zone environment, product, raw material storage area	Complied.																																

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	shall be regularly monitored. The emissions shall conform to the limits imposed by SPCB.	Company have stopped manual handling of Hazardous Chemicals. WBPCB is also monitoring through periodic visit of their officials.
09	The project authorities shall provide the chilled brine solution in secondary condenser for condensation of the VOCs. The project authority shall ensure that the solvent recovery shall not be less than 95%. The VOC monitoring shall be carried in the solvent storage area and data submitted to the Ministry.	Complied. <0.1mg/m3 (Tested on 27.05.13)
10	Solvent management shall be as follows : A. Reactor shall be connected to chilled brine condenser system. B. Reactor and solvent handling pump shall have mechanical seals to prevent leakages. C. The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery. D. Solvents shall be stored in a separate space specified with all safety measures. E. Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. F. Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.	A. Complied. B. Mechanical seals provided for reactor and solvent pumps. C. Complied. We are using chilled water followed by chilled brine (- 10 deg C) D. Complied. E. Complied. F. Complied.
11	Hazardous chemicals shall be stored in tanks in tank farms, drums, carboys etc. An area of 33% shall be developed as green belt. Selection of plants species shall be as per the Guidelines of CPCB.	Complied. We developed 1000 sq. meter for Green belt & 1000 Nos of more trees are being planted in coming monsoon. We have distributed 500 Saplings on 5 th June to local people for plantation through WBPCB officials. We have planted an area behind fire pond for developing more plantations, area covered - 700 Sq.Mtr.
12	The Company shall harvest surface as well as rainwater from the rooftops of the buildings and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water	Complied. Prepared rain water harvesting plan and will be implemented before monsoon.
13	Occupational health surveillance shall be carried out on regular basis and record shall be maintained as per Factories Act.	Complied. Company have own Doctor who is checking our employees at our OHC. We have pharmacist also at our OHC. Health of our employees is being monitored & recorded periodically.
GENERAL CONDITIONS		
01	The project authorities shall strictly adhere to the stipulations made by the state Pollution Control Board.	Complied. There was no violation regarding compliance
02	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.	Complied. We are following MoEF guide line
03	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.	Complied. Company have regular monitoring and all parameters are well within the limit. If we found any time emission is not complying, we take measures immediately.
04	The gaseous emissions (NO _x , HCl, SO ₂ and SPM) and Particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no	Complied. Company have regular monitoring and all parameters are well within the limit. Ambient air monitoring by WBPCB approved party -

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	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. Stack monitoring for SO ₂ , NO _x and SPM shall be carried.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 10%;">SO₂</th> <th style="width: 10%;">NO_x</th> <th style="width: 10%;"></th> <th style="width: 10%;">HCl</th> <th style="width: 10%;">Cl₂</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>µg/m³</td> <td>19- 20</td> <td>47 - 48</td> <td>µg /m³</td> <td>BDL</td> <td>BDL</td> <td></td> </tr> </tbody> </table>		SO ₂	NO _x		HCl	Cl ₂		µg/m ³	19- 20	47 - 48	µg /m ³	BDL	BDL	
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05	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the up wind and downwind direction as well as where maximum ground level concentrations are anticipated.	Complied. Done and is being maintained Ambient air is being monitored quarterly in 5 different locations within factory, including plant area and store area.														
06	Dedicated scrubbers and stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided to control the emissions from various vents. The scrubbed water shall be sent to ETP for further treatment or sell to actual end users.	Complied We have effluent treatment plant. All waste water is being taken into ETP for treatment and then only discharge to GBC.														
07	The overall 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.														
08	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis.	Complied. Training program is being conducted regular basis to aware as well as to make our people conversant with safe work practice. Participants are Executives, employees & contract workers. During this 6 months training conducted 1360 man hrs.														
09	Usage of PPEs by all employees/ workers shall be ensured.	Complied. PPE used - rubber hand gloves, leather hand gloves, nose mask, safety goggles, canister type gas mask, safety shield , safety belt etc depending of the nature of job is being done,														
10	The project proponent shall also comply with all the environmental protection measures and safeguards proposed in the project report submitted to the Ministry. All the recommendations made in respect of environmental management and risk mitigation measures relating to the project shall be implemented.	Complied.														
11	The company will undertake all relevant measures for improving the Socio-economic conditions of the surrounding area. CSR activities will be undertaken by involving local villages and administration	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. 1) Cloth distribution to orphan children who are residing in Ramakrishna Mission 2) Primary school building roof repaired nearby our factory 3) Free Medical camp for check up of poor people who resides near our factory boundary wall and next day we provided all medicine as advised by Doctor.														
12	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Complied.														
13	A separate Environmental Management Cell equipped with full fledged laboratory facilities	Complied. Company have separate Environment Management cell.														

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	shall be set up to carryout the Environmental Management and Monitoring functions.	
14	The project authorities shall earmark adequate funds 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. The funds so provided shall not be diverted for any other purpose.	Complied.
15	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Complied.
16	The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bhubaneswar /State Pollution Control Board/Central Pollution Control Board.	Complied.
17	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 seen at Website of the Ministry at http://envfor.nic.in . This shall 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. As directed we have made advertisement in two local newspapers and copy of paper cutting was sent to Bhubaneswar. Advertisement was given on 19.05.2009 in two local news papers.
18	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.

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product mix change of pesticide unit by
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Period June - 13 - NOV -13**

No	Condition Description.	Compliance 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	Noted
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	Noted
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 details are 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 and DG set. We are monitoring stack emissions 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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No	Condition Description.	Compliance Status
	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 WBWML (a common waste disposal site at haldia) for incineration. Company have internal and external monitoring arrangement 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. We are also regularly monitoring work environment and ambient air
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 WBWML, a common disposal facility at Haldia. Organic waste is being sent to WBWML 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 500 Saplings and distributed 400 Saplings on 5 th June to local people for plantation through WBPCB officials. We developed an area inside plant premises for developing more plantations. We have planted an area behind fire pond for developing more plantations, area covered - 700 Sq.Mtr.
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 from waste stream. Also got approval from MoEF vides letter # J-11011/377/2006-IA-II (I) Dated 11.11.2008. 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 utilization 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 WBWML. Organic or high COD waste is being sent to WBWML for incinerator. EIA / EMP study was

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No	Condition Description.	Compliance Status
		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. We conducted CSR activities on education & Health for local people 1) Cloth distribution to orphan children who are residing in Ramakrishna Mission 2) Primary school building roof repaired nearby our factory 3) Free Medical camp for check up of poor people who resides near our factory boundary wall and next day we provided all medicine as advised by Doctor.
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. We are using same equipments for Metamitron manufacturing.
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. We are complying to various conditions in the EC / NOC / Consent
02	No further expansion / modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests	Complied. We will take up with MoEF for further expansion at appropriate time
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. We took membership to BWML, 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	Complied.

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No	Condition Description.	Compliance Status
	Bhubaneswar / 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 regularly	We are sending status report to Regional office, Bhubaneswar. CPCB and WBPCB.
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 Bhubaneswar	Complied. As directed we have made advertisement in two local newspapers and copy of same was sent to Bhubaneswar 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 manufacturing. 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 / Asulox as part and got NOC for other products (excepting Pretilachlor) for which project work is not yet completed.

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No	Condition Description.	Compliance Status
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ANNEXURE - I

Period	Acephate	Metamitron	Ethion	Dimethoate	Asulam
June 2013 to Nov-13 - Production quantity (MT)	303.403	48.359	97.5	0	887.227
Permission for half yearly period (MT)	600	240	360	360	1,200

ANNEXURE - 2

For ambient air -

parameter	SO ₂	NO _X		HCl	Cl ₂
µ/m ³	0.015	0.040	Mg/m ³	BDL	BDL

Stack Monitoring

stack	Boiler (SPM)	DG 500	DG 625
Mg/Nm ³	52	56	45