



o/c

15 January, 2019

TO:-

The Director
Ministry of Environment, Forests & CC,
The CCF Regional Office (WCZ),
Western Region, Ground Floor, East Wing,
New Secretariat Building Civil Line,
Nagpur- 440001, Maharashtra.

Dear Sir;

Sub. :- Half Yearly compliance report to conditions of Environmental Clearance (April 2018 to September 2018)

Ref.:- (1) EC obtained from MoEF & CC vide letter No # J-11011/712/2007-IA II (I) dated 15th April, 2008
(2) Notification vide SO-5845-E dated 26.11.2018 regarding submission of half yearly EC Compliance Reports to MoEF&CC

Kindly refer MoEF&CC Notification vide SO-5845-E dated 26.11.2018 regarding submission of half yearly EC Compliance Reports to MoEF&CC.

We are submitting herewith the half yearly compliance report for period April to September 2018 (soft copy is also enclosed in the form of CD) to the Environmental Clearance obtained to M/s Punjab Chemicals and Crop Protection Ltd (PCCPL) (site was taken over by UPL Limited, Unit # 10 in March, 2014) vide letter # F. No. J-11011/712/2007-IA II (I) from MoEF & CC dated 15th April, 2008. We are operating our plants with valid Consents & Authorization obtained from Maharashtra Pollution Control Board.

Our Unit has implemented adequate Environmental Management System as per EMP/EIA. We have implemented Zero Discharge Unit (ZLD) by consisting ETP, RO system & Multiple Effect Evaporator (MEE) since Aug-2017.

Thanking you,

Yours faithfully,

For, UPL Limited (Unit # 10)


Sharad Sankhe

Unit Head

Encl : a/a

Copy to : (1) The SRO,
Boisar, Tarapur
(2) The Zonal Officer
Central Pollution Control Board
Ravivash Bhavan, Opp- VMC Ward Office # 10,
Subhanpura, Vadodara - 390 023.


SUB REGIONAL OFFICE
M. P. C. BOARD
M.I.D.C. COLONY COMPOUND
TARAPUR 401 504
DIST. - PALGHAR

RN728026856DH (VR:827772802)
R: B015AR S.O (401501)
Counter Nos4,30/01/2019,11:15
1010894 OFFILER ,S084440PLM#
PIN:390023, Sebhansara SO
From:PL LITIED,ROIS#
Wt:3650ms
Art:115.00(Cash)
(Track on www.indiapost.gov.in)
(Dial 1800 266 6868)



RN728026846DH (VR:827772802)
R: B015AR S.O (401501)
Counter Nos4,30/01/2019,11:15
1010894 OFFILER ,S084440PLM#
PIN:400001, Nagpur GPO
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Spdy
30/01/19

Regel. Ad.
On 30.1.19

Nagpur
Vadodare

Half Yearly Environmental Clearance Compliance Report for UPL Limited, Unit # 10, Tarapur, Maharashtra vide Environmental Clearance No. F. No. J-11011/712/2007-IA II (I), dated 15th April, 2008 for period April-September 2018

NO	CONDITIONS		COMPLIANCE STATUS		
2.	The Ministry of Environment and Forests has examined the proposal and noted that the proposal is for environmental clearance for expansion of pesticides manufacturing unit at Plot No. 51/1, MIDC, Tarapur, Boisar, Thane, Maharashtra by M/s Punjab Chemicals and Crop Protection Ltd. The existing plot area is 13,500 Sq. m and an adjacent plot of 10,500 Sq. m is acquired for the proposed expansion. Total Cost of the project will be Rs. 16 Crores. The details of existing and proposed products are as follows:		M/s Punjab Chemicals and Crop Protection Ltd (PCCPL) site was taken over by UPL Limited in March, 2014. Site taken over & land possession documents attached herewith as Annexure-3. Total 23454 Sq. m area is occupied by the unit. Through MPCB under the product mix change few products were deleted, few products capacity reduced & few new products were added and the unit have consent for the same received from MPCB vide consent No. Format 1.0/BO/AST/UAN No.0000019382/R/CC-1708000213 dated 05/08/2017 valid till 28/02/2019. Consent copy is attached herewith for your ready reference as Annexure-1 and copy of Environmental Clearance is attached as Annexure-10. Last six month production details is enclosed along with this report as Table-1. All production quantity is well within permissible limit. Complied.		
	No.	Name Of The Product			Capacity(MTM)
	Existing Products				
	1	Phosphorous Trichloride (PCL3)			175
	2	Phosphorous Oxychloride (POCL3)			75
	3	Phosphorous Acid (60% Solution)			12.5
	4	Dipotassium Hydrogen Phosphate (DPHP)			12.5
	5	Oxalyl Chloride			10.0
	6	HCL			300
	Proposed Products				
	7	Cypermethrine Acid Chloride			60
8	Acephate	75			
3.	The Company will install a 4 MT / hr. boiler to meet the demands of both existing & proposed plant. The existing two boilers of 600 kg/hr capacity will be standby & the existing 1500 kgs/hr boiler will be dismantled. The boilers will have 36 and 30 m high stacks. Old DG set of 125 KVA will be replaced by new DG set of 250 KVA and will only be used in emergencies. Thus, there will be no additional fuel required in the proposed expansion. Three new scrubbers will be installed with process vents. HCl, SO2, CL2, CO/CO2 generated from the process shall be scrubbed in appropriate scrubbers. Scrubber using chilled hexane & demister shall be provided for scrubbing of Isobutylene.		The unit has discarded boiler having capacity of 4 T/hr. Two old boilers of 600 kg/hr capacity (kept as standby) are replaced with new agro based boiler of 10 T/hr capacity. The unit has obtained valid CTO for 10 T/hr boiler from MPCB vide No # Format 1.0/BO/AS (T)/TN-5508-15/A/GEN-1449 dated 05/02/2015. We had dismantled boiler having capacity of 1500 kg/hr. The boiler height (for 10 TPH) is kept as 40 m. We have replaced 125 KVA DG Set with 500 KVA capacity which operates only in an emergency situation. No additional fuel consumption is consider for this change in DG set capacity. We have installed scrubbers as per product introduced. Appropriate scrubbers are provided to suppress the process stack emissions. The flue gas and process stack detail is as follows:		
			Sr. No.	Stack attached to	APCM System
1	Boiler	Bag Filter-Dust collection system	40		

		2	PCL3-I	Scrubber	3 (above roof)		
		3	PCL3-II	Scrubber	3 (above roof)		
		4	Metribuzin Plant	Scrubber	3 (above roof)		
		5	Ammonium Sulphate Plant	Scrubber	3 (above roof)		
		6	DG Set (500 KVA)	Acoustic Enclosure	3.1 (above roof)		
		We are not manufacturing any product from which isobutylene emission can occur. The stack analysis report of third party (Gadark Lab Pvt Ltd & KLEAN Laboratories and Research (P) Ltd.) is attached as Annexure-2 . Summarized data for the period of April-2018 to September-2018 is as follows: All parameters are well within permissible limit. Complied.					
		Sr. No.	Stack Attached to	Parameter	3rd Party Results (April-September 2018)		MPCB Permissible Limit
					Gadark Lab Pvt Ltd (27.06.2018)	KLEAN Laboratories and Research (P) Ltd. (10.09.2018)	
		1	Boiler-1	SPM (mg/nm3)	68.4	72.5	150 (mg/nm3)
				SO2 (kg/day)	54.13	58.2	236 (kg/day)
				NOx (ppm)	12	10.7	Not Specified
		2	D.G.Set (500 KVA)	SPM (mg/nm3)	42.8	51.9	150 (mg/nm3)
				SO2 (kg/day)	3.78	4.3	236 (Kg/Day)
				NOx (ppm)	11.03	12.4	Not Specified
		3	Caustic Scrubber of Metribuzine Plant	HBr (kg/day)	Not Detected	BDL	5 (kg/day)
		Complied					
		4.	The water (385.5 KLD) will be sourced from MIDC, Surya Water Reservoir. The waste water (44.9KLD) will be treated in a newly constructed 3 stage ETP before discharging into CETP Tarapur. Segregation of waste streams shall be carried out. Detoxification of waste stream using solvent extraction and hydrolysis shall be carried out. Domestic sewage will be treated with industrial effluent. Additional retention time for waste water shall be given for the degradation of Cypermethrine.	We are drawing fresh water from Maharashtra Industrial development Corporation (MIDC), Surya Water Reservoir. Our water consumption is well within the limit prescribed by MPCB. Water cess return is also being submitted regularly. Avg water consumption is @96.41 KLD against Maharashtra Pollution Control Board (MPCB) permissible limit of 166.56 KLD for period April-September 2018. The copy of water-cess assessment is attached herewith as Annexure-6 . Average effluent discharge is NIL (we are treating effluent internally and recycling back, no discharge since Aug 2017) against 38.1 KLD for period April-September 2018. All effluent streams are being treated in Effluent Treatment Plant (ETP). Biodegradable Effluent treatment plant consists of primary, Secondary and tertiary treatment; and all			

		parameters are well within limit. Whenever, any toxic effluent streams generate, is being detoxified using solvent extraction and hydrolysis treatment. Domestic sewage is collected in septic tank followed by soak-pit and mixed with Industrial effluent & treated in ETP along with the industrial effluent. We are not manufacturing Cypermethrine as on today. Unit Has taken Product mix-change from MPCB and manufacturing Metribuzin technical as alternate product of Cypermethrin & Acephate. The detailed report is attached as Annexure-2. The treated effluent analysis report of third party (KLEAN Laboratories and Research (P) Ltd.) is as follows: All parameters are well within permissible limit. Complied.
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SR. No.	PARAMETERS	MPCB LIMITS	3rd Party Results (April-September 2018)	Remarks
			KLEAN Laboratories and Research (P) Ltd. (10.09.2018) -Feed to RO system	
1	pH	5.5 to 9.0	7.87	No discharge since Aug 2017 . Unit has implemented ZLD consisting NEW ETP, RO system & MEE
2	BOD (3 days at 27 C) (mg/l)	100	54	
3	COD (mg/l)	250	168	
4	Suspended Solid (mg/l)	100	38	
5	Oil & Grease (mg/l)	10	BDL (MDL<0.1)	
6	Total Dissolved Solid (mg/l)	2100	1900	
7	Phosphate (mg/l)	5	0.06	
8	Bio-assay test	90% survival of fish after 96 hrs in 100% effluent	--	

5.	The Pesticides & pesticide specific intermediate (excluding formulation) are listed at 5(b) in the Schedule of EIA Notification, 2006 under " A" Category. The proposal was considered & appraised by EAC (I) in its 75 th meeting held during 28 th – 30 th November, 2007. No Public Consultation will be required as per Para 7 (i) III. Stage (3) (b) Public Consultation of EIA Notification 2006.	Noted
6.	Based on the information provided to the Ministry of Environment and Forests hereby accords environmental clearance to above project under the provisions of EIA Notification dated 14th September 2006 subject to the compliance of the following Specific & General Conditions.	Noted
A.	SPECIFIC CONDITIONS:	
NO.	CONDITIONS	COMPLIANCE STATUS

(i)	The company shall comply with all the recommendation given in the hazard identification and risk assessment report with respect to all the chemicals.	All the recommendations with respect to Environment Management Plan and Risk Assessment are already implemented. Complied.
(ii)	The gaseous emissions (SO ₂ , NO _x , HCl, Cl ₂ , CO, HC and VOC) along with SPM & 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.	We do quarterly process stack monitoring through third party (Gadark Lab Pvt Ltd & KLEAN Laboratories and Research (P) Ltd.) for all stacks and all parameters are within permissible limit prescribed by MPCB. Summarized stack monitoring data of Gadark Lab Pvt Ltd & KLEAN Laboratories and Research (P) Ltd is given below: The detailed report is attached as Annexure-2. Complied.

Sr. No.	Stack Attached to	Parameter	3rd Party Results (April-September 2018)		MPCB Permissible Limit
			Gadark Lab Pvt Ltd (27.06.2018)	KLEAN Laboratories and Research (P) Ltd. (10.09.2018)	
1	Boiler-1	SPM (mg/nm ³)	68.4	72.5	150 (mg/nm ³)
		SO ₂ (kg/day)	54.13	58.2	236 (kg/day)
		NO _x (ppm)	12	10.7	Not Specified
2	D.G.Set (500 KVA)	SPM (mg/nm ³)	42.8	51.9	150 (mg/nm ³)
		SO ₂ (kg/day)	3.78	4.3	236 (Kg/Day)
		NO _x (ppm)	11.03	12.4	Not Specified
3	Caustic Scrubber of Metribuzine Plant	HBr (kg/day)	Not Detected	BDL	5 (kg/day)

(iii)	The company shall provide the monitoring arrangement with all the vents for monitoring of (SO ₂ , NO _x , HCl, Cl ₂ , CO, HC & VOC) along with PM, SPM & RSPM & reports shall be submitted to the SPCB, CPCB & Ministry's Regional Office at Bhopal.	We do quarterly process stack monitoring through third party (Gadark Lab Pvt Ltd & KLEAN Laboratories and Research (P) Ltd.) for all stacks and all parameters are within permissible limit prescribed by MPCB. All reports are sent to SPCB, CPCB and Mistry's regional Office Nagpur, at within given time frame. Summarized monitoring data of Gadark Lab Pvt Ltd & KLEAN Laboratories and Research (P) Ltd is given below: The detailed report is attached as Annexure-2. Complied.
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Sr. No.	Stack Attached to	Parameter	3rd Party Results (April-September 2018)		MPCB Permissible Limit
			Gadark Lab Pvt Ltd (27.06.2018)	KLEAN Laboratories and Research (P) Ltd. (10.09.2018)	
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			SO2 (kg/day)	3.78	4.3	236 (Kg/Day)
			NOx (ppm)	11.03	12.4	Not Specified
3	Caustic Scrubber of Metribuzine Plant	HBr (kg/day)	Not Detected	BDL	5 (kg/day)	
(iv)	Standards notified for pesticides unit under the Environment (Protection) Act, 1986 & amended from time to time shall be followed by the Unit.			We are/will be implemented the amended pesticide sector's standards time to time whenever applicable. Complied.		
(v)	The height of stacks shall be as per the CPCB guidelines. For control of process emissions like HCl, CL2, SO2, etc. High efficiency scrubbers shall be provided with each reactor.			The height of the stacks is as per CPCB guidelines. Scrubber system is being provided to control process emission. Process emission external agency (Gadark Lab Pvt Ltd & KLEAN Laboratories and Research (P) Ltd.) result is attached in Annexure-2. Complied.		
(vi)	Water / Alkali two stage Scrubber systems, Mist Eliminator with Koch filter & wet scrubber with Mist Eliminator shall be installed for the boilers, Thermic fluid heater DG sets. The scrubbed water shall be sent to ETP for further treatment.			Air pollution from the installed boiler is controlled by efficient bag filter system. DG Sets are only for emergency power in case of power failure. Thermic fluid heater is discarded and not in use any more. The scrubbed water generated from the process scrubber is being sent to ETP for further treatment. Complied.		
(vii)	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%.			Suitable chilling system is provided to secondary condenser for Volatile Organic carbon (VOC) emission control. Solvent recovery is above 96% from spent solvent and will be improved further. Complied.		
(viii)	Solvent management shall be as follows:					
a.	Reactor shall be connected to chilled brine condenser system			Wherever required, the reactors are having the chilled brine condensers. Complied.		
b.	Reactor and solvent handling pump shall have mechanical seals to prevent leakages.			All the reactors & pumps are having suitable mechanical seals to prevent any leakages. Complied.		
c.	The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery.			The condensers provided for solvent recovery are having 20% excess HTA to achieve more than 96% recovery. Complied.		
d.	Solvents shall be stored in a separate space specified with all safety measures.			The solvents are stored in separate Underground (UG) tanks & required Chief Controller of Explosives (CCOE) license has been taken. All the required safety aspects are being incorporated. Complied.		
e.	Proper earthing shall be provided to all the electrical equipment wherever solvent handling is done.			Proper earthing with jumpers, cathodic protection to the UG solvent tanks are provided. Complied.		
f.	Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.			Total plant has flame proof electrical installations. Suitable breather valves are also provided at the vents of the solvent tanks. Complied.		
(ix)	Fugitive emissions in the work zone environment, product, raw materials storage area, etc. shall be regularly monitored. The emissions shall conform to the limits imposed by MPCB.			Fugitive emission is controlled by using seal-less pumps for toxic chemicals, flange-guards, mechanical seals for pumps and reactors etc.		

		Complied.
(x)	For control of fugitive emission and VOCs following steps shall be followed:	
a.	Closed handling system shall be provided for chemicals.	All the chemicals are handled through closed systems only. Complied.
b.	Reflux condenser shall be provided over reducer.	Wherever required suitable reflux condensers are provided on reducer. Complied.
c.	Solvent handling pump shall be provided with mechanical seals to prevent leakages.	All the chemical handling pumps are provided with suitable mechanical seals & are also safe guarded with pressure switches & micro MPD for dry run protection. Complied.
d.	System of leak detection and repair of pump / pipeline based on preventive maintenance.	We work on SAP system & the system has full-fledged inbuilt preventive maintenance system. Complied.
e.	Solvent shall be taken from underground storage tanks to reactors through closed pipeline. Storage tanks shall be vented through trap receiver & condenser operated on chilled water.	The solvents are transferred to reactors through close pipelines only. Suitable breather valves are provided at the vents. Complied.
(xi)	Use of toxic solvents 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 Mercaptants or Hydrogen Sulfide shall be used or formed in any of reactions at the site.	Presently no chemicals like methylene chloride is being used in manufacturing activities. We are not using benzene as the solvent. We also do not have reactions which forms odorous compounds / gases like Mercaptants etc. Complied.
(xii)	Bioassay test and toxicity index shall be carried out regularly for the waste water before & after treatment.	We do bio-assay / Toxicity Factor (TF) test through third party and all parameters are well within permissible limit of MPCB. Unit has implemented ZLD unit consisting New ETP, RO system & MEE since Aug -2017. Complied.
(xiii)	All the storage tanks shall be under negative pressure to avoid any leakages. Breathers, N2 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 emissions. Chilled brine based condensers shall be used to prevent VOC emissions. Solvent traps shall be installed wherever necessary	At present, we do not store any raw materials/solvents which required to be stored under negative pressure. However, Nitrogen blanketing is used for certain material storages. Breather valves are provided for solvent storages wherever necessary. Closed handling system is also used. Magnetic seals/Seal-less pumps are used for hazardous/toxic chemical handling. Solvent traps/ Condensers are provided. Suitable chilling system is provided in secondary condenser for VOC emission control. As on solvent recovery is above 95%. Complied.
(xiv)	All venting equipment shall have vapour recovery system. All the pumps & other equipment's where there is a likelihood of HC leakages shall be provided with Leak Detection & Repair (LDAR) system and LEL indicators & Hydrocarbon detectors. Provision for immediate isolation of such equipment in case of leakage will also be made. The company shall provide a well-defined Leak Detection & Repair (LDAR) program for quantification & control of fugitive emissions. The detectors sensitivity will be in ppm levels.	All venting of equipment are connected to condensers/ process Scrubbers to scrub excess vapour. LDAR (Leak Detection And Repairs) system is being followed to reduce VOC / HC emission. We also monitor LEL through LEL meter. In addition, on line sensors are provided with alarm system for hazardous chemicals like CL2, Bromine, Methanol and Methyl Bromide etc. Usage of seal less pumps for toxic chemicals. Mechanical seals for certain reactors. Regular inspections are carried out with reference to plant operations like Pumps, Valves, Pipes etc, as per maintenance software (SAP). Complied.
(xv)	The project authority shall install effluent treatment plant to treat the waste water up to the inlet norms of the CETP & shall obtain the membership of CETP for disposal of treated effluent & copy of the same shall be submitted to the Ministry & Ministry's Regional Office at Bhopal. The company shall maintain the valid membership.	We have Effluent Treatment Plant having capacity of 50 KLD with Primary, Secondary & tertiary treatment systems. We have obtained a membership from MIDC, CETP to discharge treated effluent. The copy of the Certificate is attached herewith for your ready reference. Unit has implemented

		ZLD unit consisting New ETP, RO system & MEE since Aug - 2017. Complied.
(xvi)	The Additional Chemical sludge from ETP (300 TPA), Distillation Residue (117 TPA) & Off-specification & discarded products shall be sent to MWML, Taloja for disposal. Cupric Chloride Catalyst (6.48 TPA) & discarded drums / bags (4500 Nos. / Year) shall be sold to authorized recyclers.	We are member of Mumbai Waste Management limited (MWML) (Membership No. as TAR-1109 valid till 31 st March, 2020 is enclosed as Annexure-9) and generated Solid/Hazardous wastes are being disposed of regularly to MWML for landfilling and incineration. Membership certificate is attached along with report. We also submit annual Hazardous Waste Return to authorities. We do not generate any Cupric chloride catalyst and decontaminated drums are being sold to scrap processor only. Complied.
(xvii)	During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic waste and storm drains.	We are taking extreme care while transferring / charging of any material. Garland drains are provided surrounding the plants to avoid storm water contamination. Complied.
(xviii)	The company shall make adequate arrangement for control of odour nuisance from the plant premises.	We are not using any odorous compound in the unit. Complied.
(xix)	The adequate financial provisions shall be made in the budget of the project for implementation of the above suggested environmental safeguards. Funds so earmarked shall not be diverted for any other purposes.	The list of expenditures made for environmental mitigation measures is attached in the report and submitted to the Ministry & state level authorities every six monthly. The total investment for environmental protection measures at the site is INR 0.8 Crores (80 Lacs) Complied.
(xx)	Occupational health surveillance of the workers shall be done on a regular basis & records maintained as per the Factories Act.	The company is having medical doctor and Occupational Health Center. Pre-employment and routine medical examinations are being carried out. We are also doing full body medical checkup by external expert agency every year. All medical records are being maintained. A sample copy is enclosed for your ready reference as Annexure-4 . Complied.
(xxi)	The company shall make the arrangement of protection of possible fire hazards during manufacturing process in material handling.	Adequate fire extinguishers & fire hydrant system is installed & maintained. Complied.
(xxii)	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 examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	We provide regular training & re-training to all employees for the safety & health aspects of various chemicals handled. The Unit has initiated the process to obtain OHSAS-18001 Management System (final offer for OHSAS 18001 is attached as Annexure-8). Pre-employment and routine medical examinations are being carried out. We are also doing full body medical checkup by external expert agency every year. All medical records are being maintained. Proper training for handling of chemicals is being given time to time to employees. Complied.
(xxiii)	Usage of PPEs by all employees / workers shall be ensured.	Proper Personal Protective Equipment (PPE's) are given to all employees and workers. Complied.
(xxiv)	The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).	All points included in the CREP has been implemented. Details are provided as Annexure-5 . Complied.
B	GENERAL CONDITIONS :	
NO.	CONDITIONS	COMPLIANCE STATUS
(i)	The project authorities shall strictly adhere to the stipulations of the SPCB / State Government or any statutory body.	All norms (for treated waste water, air emission, noise pollution, ambient air pollution) given by SPCB/ any statutory body are being followed strictly. Complied

(ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the MoEF. 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.	The Unit has not done any modification OR expansion without getting prior approval from the Ministry. Valid EC/NOC/CC&A received from the Government Authorities for any expansion OR modification. Complied.
(iii)	The project authorities shall strictly comply with the rules and regulations under Manufacture, Storage & Import of Hazardous Chemicals Rules, 1989 as amended. Authorization from the SPCB shall be obtained for collection, treatment, storage and disposal of hazardous wastes.	We are complying with the MSIHC Rules 1989 as amended and Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016. We have obtained valid Authorization from SPCB vide letter no. Format 1.0/BO/AST/UAN No.0000019382/R/CC-1708000213 dtd. 05/08/2017 valid till 28/02/2019. Consent copy is attached herewith for your ready reference as Annexure-1. Complied.
(iv)	Ambient air quality monitoring stations shall be set up in the downwind directions as well as where maximum ground level Concentrations are anticipated in consultation with the State Pollution Control Board.	We do quarterly Ambient air monitoring through third party (Gadark Lab Pvt. Ltd & KLEAN Laboratories and Research (P) Ltd). All parameters are well within prescribed limit given by MPCB. Summarized report of Gadark Lab Pvt. Ltd & KLEAN Laboratories and Research (P) Ltd is as follows: Complied.

Sr.No	Parameter	3rd Party Results (April-September 2018) in µg/m3					MPCB Permissible Limit in µg/m3
		Unit	Gadark Lab Pvt Ltd (27.06.2018)		KLEAN Laboratories and Research (P) Ltd. (10.09.2018)		
			Near Assembly Point No. 2	Near Main Gate	Near Assembly Point No. 2	Near Main Gate	
1	PM10	µg/m3	56.8	60.2	52.3	58.2	100
2	PM2.5	µg/m3	26.4	28.6	20.4	22.8	60
3	SOX	µg/m3	28.8	31.6	11.7	12.34	80
4	NOX	µg/m3	33.7	35.3	10.3	10.86	80
5	CO	µg/m3	1.21	1.27	0.1	0.2	2.0 mg/m3 for 8 hrs
6	Lead	µg/m3	<0.01	<0.01	BDL (MDL<0.1)	BDL (MDL<0.1)	1
7	Ozone	µg/m3	<20	<20	BDL (MDL<19.6)	BDL (MDL<19.6)	100 for 8 hrs
8	Ammonia	µg/m3	<14	<14	BDL (MDL<0.02)	BDL (MDL<0.02)	400
9	Benzene	µg/m3	<0.14	<0.14	BDL (MDL<0.2)	BDL (MDL<0.2)	5
10	Benzo Pyrene	µg/m3	<1	<1	BDL (MDL<1)	BDL (MDL<1)	1
11	Arsenic	µg/m3	<0.7	<0.7	BDL (MDL<0.1)	BDL (MDL<0.1)	6
12	Nickel	µg/m3	<6.0	<6	BDL (MDL<7)	BDL (MDL<7)	20

(v)	For control of process emissions, stacks of appropriate height as per the CPCB guidelines shall be provided. The scrubbed water shall be sent to ETP for treatment.	Proper height is provided to all process and flue gas stacks as per CPCB guidelines. All effluent streams along with scrubbed water are being treated in Effluent Treatment Plant (ETP). Biodegradable Effluent treatment plant consists of primary, Secondary and tertiary treatment; and all parameters are well within limit prescribed by CPCB. The treated effluent is recycled back for reusing & no discharge to CETP Complied.																																								
	<table><tr><th rowspan="2">SR. No.</th><th rowspan="2">PARAMETERS</th><th rowspan="2">MPCB LIMITS</th><th>3rd Party Results (April-September 2018)</th><th rowspan="2">Remarks</th></tr><tr><th>KLEAN Laboratories and Research (P) Ltd. (10.09.2018) – Feed to RO system</th></tr><tr><td>1</td><td>pH</td><td>5.5 to 9.0</td><td>7.87</td><td rowspan="8">No discharge since Aug 2017 . Unit has implemented ZLD unit consisting New ETP, RO system & MEE since Aug - 2017.</td></tr><tr><td>2</td><td>BOD (3 days at 27 C) (mg/l)</td><td>100</td><td>54</td></tr><tr><td>3</td><td>COD (mg/l)</td><td>250</td><td>168</td></tr><tr><td>4</td><td>Suspended Solid (mg/l)</td><td>100</td><td>38</td></tr><tr><td>5</td><td>Oil & Grease (mg/l)</td><td>10</td><td>BDL (MDL<0.1)</td></tr><tr><td>6</td><td>Total Dissolved Solid (mg/l)</td><td>2100</td><td>1900</td></tr><tr><td>7</td><td>Phosphate (mg/l)</td><td>5</td><td>0.06</td></tr><tr><td>8</td><td>Bio-assay test</td><td>90% survival of fish after 96 hrs in 100% effluent</td><td>--</td></tr></table>			SR. No.	PARAMETERS	MPCB LIMITS	3rd Party Results (April-September 2018)	Remarks	KLEAN Laboratories and Research (P) Ltd. (10.09.2018) – Feed to RO system	1	pH	5.5 to 9.0	7.87	No discharge since Aug 2017 . Unit has implemented ZLD unit consisting New ETP, RO system & MEE since Aug - 2017.	2	BOD (3 days at 27 C) (mg/l)	100	54	3	COD (mg/l)	250	168	4	Suspended Solid (mg/l)	100	38	5	Oil & Grease (mg/l)	10	BDL (MDL<0.1)	6	Total Dissolved Solid (mg/l)	2100	1900	7	Phosphate (mg/l)	5	0.06	8	Bio-assay test	90% survival of fish after 96 hrs in 100% effluent	--
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(vi)	The company shall undertake following Waste Minimization measures :- Metering of quantities of active ingredients to minimize waste. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. Maximizing recoveries. Use of automated material transfer system to minimize spillage. Use of "Closed Feed" system into batch reactors.	All the ingredients at various stages are controlled & yield / efficiencies are measured at the source and disposal point. Wherever possible, the by-products are recycled back. We have implemented atomization in material transferring wherever possible. We have used closed loop feed system wherever possible. Complied.																																								
(vii)	The project authorities must strictly comply with the rules and regulations with regards to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes Management& Handling Rules, 2003. Authorization from SPCB shall be obtained for collections / treatment/ storage / disposal of hazardous wastes.	We are complying with Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016 We have obtained valid Authorization from SPCB vide letter no. Format 1.0/BO/AST/UAN No.0000019382/R/CC-1708000213 dtd. 05/08/2017 valid till 28/02/2019 for collection; treatment; storage and disposal. Consent copy is attached herewith for your ready reference as Annexure-1 . Hazardous waste disposal details is enclosed as Table-5 . Complied.																																								
(viii)	The overall noise levels in and around the plant area shall be kept well within standards (85 dBA) 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) & 70 dBA (night time).	Noise monitoring is being done once in quarter through third party (Gadark Lab Pvt. Ltd & KLEAN Laboratories and Research (P) Ltd). Ear muffs & ear plugs are provided to the person working in high noise area like compressor, boiler area. Acoustic enclosures are also provided. The detailed report is attached as Annexure-2 . Summarized noise monitoring report of third party (Gadark Lab Pvt Ltd & KLEAN Laboratories and Research (P) Ltd) is as follows: All parameters are well within permissible limit. Complied.																																								

3rd Party Results in dB (A) (Period: April-September 2018)					
Sr No.	Location	Gadark Lab Pvt Ltd (27.06.2018)		KLEAN Laboratories and Research (P) Ltd. (10.09.2018)	
		Day Time	Night Time	Day Time	Night Time
1	Admin Office	61.3	55.9	62.3	54.8
2	Main Gate Security cabin	64.5	56.2	65.0	55.9
3	Boiler Area	73.8	66.1	74.3	69.3
4	Plant Area	74.2	68.5	74.8	68.7
5	Assembly Point no. 2	66.5	61.3	65.0	61.2
6	DG set (Door Open)	--	--	97.3	--
7	DG set (Door Closed)	--	--	71.8	--
MPCB Permissible Limit in dB (A)		75	70	75	70
(ix)	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the environmental management & monitoring functions.	We have separate Environmental Management Cell. Additionally, Company has Green Cell department working exclusively on improving in environmental performance by converting waste streams into valuable products, improving ETP performance etc. Stack Monitoring, Bio Assay Test, Ambient Air Monitoring, Solid Waste Analysis, Noise Level Monitoring are carried out by third party (Gadark Lab Pvt. Ltd & KLEAN Laboratories and Research (P) Ltd) and effluent analysis is done in our full-fledged internal laboratory as well as through third party. Complied.			
(x)	The project authorities shall provide rainwater harvesting system & ground water recharge.	We have implemented rain water harvesting system at various locations i.e. admin block, security cabin etc. However, borewell and ground water recharge is strictly prohibited in MIDC Notified Industrial Area. Complied.			
(xi)	The project authorities shall develop greenbelt in 33% of project area as per the guidelines of CPCB to mitigate the effect of fugitive emission.	The unit has developed total approx.. 1240 sq m of green belt within the factory premises. Due to constraint of area for tree plantation, we have adopted a crematorium (approx.. land area of 1000 sq. m) opposite to our site for tree plantation development. In addition, as part of CSR activity, we are doing tree plantation and the plantation area is located within 5 kms from the plant site (CSR planning & details for next 5 years is enclosed as Annexure-7). Complied.			
(xii)	The implementation of the project vis-a-vis environmental action plans shall be monitored by Ministry's Regional Office / SPCB / CPCB. A six monthly compliance report shall be submitted to monitoring agencies.	We are submitting six monthly EC compliance reports to the authorities regularly. Complied.			
(xiii)	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry & copies of the clearance letter are available with SPCB & 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 & a copy of the same shall be forwarded to the Ministry's Regional office.	M/s Punjab Chemicals was taken over by M/s UPL Limited in March 2014. The land possession & site taken over document is attached herewith for your kind perusal as Annexure-3 . Complied.			
(xiv)	The Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure & final approval of	M/s Punjab Chemicals was taken over by M/s UPL Limited in March 2014. We are giving details of the projects			

	the project by the concerned authorities & the date of the project.	implemented along with the half yearly report. We are giving below the details of the projects implemented. Complied.
7.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
8.	The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.	Noted.
9.	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if referred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.	Noted.
10.	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 Wastes (Management and Handling) Rules , 2003 and the Public Liability Insurance Act , 1991 along with their amendments and rules	Noted.

Table-1: Production Detail (April-September 2018)

Month	Product Name	MPCB Permissible Limit (MT)	Production (MT)
April'18	Metribuzin	135	135
May'18		135	133
June'18		135	135
July'18		135	133.675
August'18		135	134
Sept'18		135	72

Table-2: Stack Monitoring Detail (April-September 2018)

Sr. No.	Stack Attached to	Parameter	3rd Party Results (April-September 2018)		MPCB Permissible Limit
			Gadark Lab Pvt Ltd (27.06.2018)	KLEAN Laboratories and Research (P) Ltd. (10.09.2018)	
1	Boiler-1	SPM (mg/nm3)	68.4	72.5	150 (mg/nm3)
		SO2 (kg/day)	54.13	58.2	236 (kg/day)
		NOx (ppm)	12	10.7	Not Specified
2	D.G.Set (500 KVA)	SPM (mg/nm3)	42.8	51.9	150 (mg/nm3)
		SO2 (kg/day)	3.78	4.3	236 (Kg/Day)
		NOx (ppm)	11.03	12.4	Not Specified
3	Caustic Scrubber of Metribuzine Plant	HBr (kg/day)	Not Detected	BDL	5 (kg/day)

Table-3: Ambient Air Monitoring Detail (April-September 2018)

Sr.No	Parameter	3rd Party Results (April-September 2018) in µg/m3					MPCB Permissible Limit in µg/m3
		Unit	Gadark Lab Pvt Ltd (27.06.2018)		KLEAN Laboratories and Research (P) Ltd. (10.09.2018)		
			Near Assembly Point No. 2	Near Main Gate	Near Assembly Point No. 2	Near Main Gate	
1	PM10	µg/m3	56.8	60.2	52.3	58.2	100
2	PM2.5	µg/m3	26.4	28.6	20.4	22.8	60
3	SOX	µg/m3	28.8	31.6	11.7	12.34	80
4	NOX	µg/m3	33.7	35.3	10.3	10.86	80
5	CO	µg/m3	1.21	1.27	0.1	0.2	2.0 mg/m3 for 8 hrs

6	Lead	µg/m3	<0.01	<0.01	BDL (MDL<0.1)	BDL (MDL<0.1)	1
7	Ozone	µg/m3	<20	<20	BDL (MDL<19.6)	BDL (MDL<19.6)	100 for 8 hrs
8	Ammonia	µg/m3	<14	<14	BDL (MDL<0.02)	BDL (MDL<0.02)	400
9	Benzene	µg/m3	<0.14	<0.14	BDL (MDL<0.2)	BDL (MDL<0.2)	5
10	Benzo Pyrene	µg/m3	<1	<1	BDL (MDL<1)	BDL (MDL<1)	1
11	Arsenic	µg/m3	<0.7	<0.7	BDL (MDL<0.1)	BDL (MDL<0.1)	6
12	Nickel	µg/m3	<6.0	<6	BDL (MDL<7)	BDL (MDL<7)	20

Table-4: Noise Monitoring Detail (April-September 2018)

3rd Party Results in dB (A) (Period: April-September 2018)					
Sr No.	Location	Gadark Lab Pvt Ltd (27.06.2018)		KLEAN Laboratories and Research (P) Ltd. (10.09.2018)	
		Day Time	Night Time	Day Time	Night Time
1	Admin Office	61.3	55.9	62.3	54.8
2	Main Gate Security cabin	64.5	56.2	65.0	55.9
3	Boiler Area	73.8	66.1	74.3	69.3
4	Plant Area	74.2	68.5	74.8	68.7
5	Assembly Point no. 2	66.5	61.3	65.0	61.2
6	DG set (Door Open)	--	--	97.3	--
7	DG set (Door Closed)	--	--	71.8	--
MPCB Permissible Limit in dB (A)		75	70	75	70

Table-5: Hazardous Waste Detail (April-September 2018)

MONTH	WASTE DESCRIPTION	OPENING STOCK(MT)	GENERATION (MT)	DISPOSAL TO MWML (MT)	CLOSING STOCK (MT)
Apr-18	Landfilling	18.4	135.38	95.38	58.4
	Incineration	5.09	16.34	16.34	5.09
May-18	Landfilling	58.4	135.93	135.93	58.4
	Incineration	5.09	8.04	8.04	5.09
Jun-18	Landfilling	58.4	119.063	135.453	42.01
	Incineration	5.09	8.23	8.23	5.09
July'18	Landfilling	42.01	96.44	89.95	48.5
	Incineration	5.09	36.21	16.71	24.59
August'18	Landfilling	48.5	100.5	118.81	30.19
	Incineration	24.59	8.9	8.89	24.6
Sept'18	Landfilling	30.19	53.98	36.61	47.56
	Incineration	24.6	8	16.05	16.55

Details of effluent quantity generated and treated in Evaporator –Zero Discharge Unit since Aug 17		
Month	Effluent quantity (KL/day)	Effluent quantity (KL/Month)
April'18	31.95	958.5
May'18	30.46	944.3
June'18	31.47	944.3
July'18	30.55	949.09
August'18	30.69	951.4
Sept'18	17.04	511.2
Average	28.79	876.46

Details of water consumption		
Month	Water consumption quantity (KL/day)	Water consumption quantity (KL/Month)
April'18	109.83	3295
May'18	117	3650
June'18	96.76	2903
July'18	95.87	2972
August'18	98.80	3063
Sept'18	60.2	1806
Average	96.41	2948.16

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781
/4037124/4035273
Fax : 24044532/4024068 /4023516
Email : ast@mpcb.gov.in
Visit At : <http://mpcb.gov.in>



Kalpataru Point, 3rd & 4th floor, Sion-
Matunga Scheme Road No. 8, Opp. Cine
Planet Cinema, Near Sion Circle, Sion (E),
Mumbai - 400 022

Red/LSI

Date: 05/08/2017

Consent No: Format 1.0/BO/AST/UAN No.0000019382/R/CC- 1708000213

To,
M/s. UPL Limited
Plot No. E-51/1 & 2, E-52, MIDC Tarapur
Tal & Dist- Palghar

Subject: Renewal of Consent to Operate under Red/LSI category.

Your application: 0000019382

Dated: 14/1/2017

For Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 2p1 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 5 of the Hazardous & Other Wastes (M & T M) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The Consent to Operate is granted for a period upto 28/2/2019
2. The capital investment of the industry is Rs. 24.85 Crs (As per C.A. Certificate submitted by industry).
3. The Consent is valid for the manufacture of -

Sr. No.	Product	Maximum Quantity	UOM
A	Inorganics Chemicals		
1	Phosphorus trichloride (PCl ₃)	75	MT/M
2	Phosphorus Oxychloride (POCl ₃)	50	MT/M
3	Phosphorus Acid Crystal	10	MT/M
4	Phosphorus Acid 60% Solution	4	MT/M
5	Di Potassium Hydrogen Phosphate (DPHP)	5	MT/M
6	Triphenyl Phosphite (TPPI)	20	MT/M
7	Ammonium Sulphate	300	MT/M
8	Potassium Chloride Solid / Solution (KCl)	125	MT/M
B	Pesticide Technical		MT/M
1	Metribuzin	135	MT/M
C	Pesticide Formulation		MT/M
1	Glyphosate 41% SL (Formulation)	75	MT/M
2	Metribuzin 70% WDG (Formulation)	150	MT/M
D	Byproduct		MT/M
1	Recovered HCl 30%	100	MT/M

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. No.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	36.3	As per Schedule I	NIL (100% recycled)
2.	Domestic effluent	1.8	As per Schedule I	Soaked in soak pit

5. Conditions under Air (P & CP) Act, 1981 for air emissions:

Sr. No.	Description of stack / source	Number of Stack	Standards to be achieved
1.	Boiler	1	As per Schedule – II
2.	Process Vents	4	As per Schedule – II
3.	DG Set 500 KVA	2	As per Schedule – II

6. Conditions under Non Hazardous Solid Wastes for treatment and disposal of hazardous waste:

Sr. no.	Type of Waste	Quantity	UOM	Disposal
NA				

7. Conditions under Hazardous and other Waste (M & TM) Rules, 2016 for treatment and disposal of hazardous waste:

Sr. no.	Type of Waste	Category	Quantity	UOM	Treatment	Disposal
1	Distillation Residue	20.3	1.82	MT/day		CHWTSDF
2	Chemical Sludge from Wastewater Treatment	35.3	4.51	MT/day	----	CHWTSDF

a. The applicant shall properly collect, transport & regularly dispose of the hazardous waste to CHWTSDF, in compliance of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and keep proper manifest thereof.

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.

9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.

10. Industry shall install Reverse Osmosis System followed by Multi Effective Evaporator within 06 months period and recycle the 100% treated effluent in process so as to achieve Zero Liquid Discharge.

11. The applicant shall not carry out any excess production or produce new products without consent of the Board and without an Environment Clearance wherever it requires.
12. This consent is issued as per the delegation of power to HOD's vide Board Office Order No. 31/2013 dtd.1/03/2013.



For and on behalf of the
Maharashtra Pollution Control Board

(Signature)
(P.K.Mirashe)

Assistance Secretary (Technical)

Received Consent fee of -

Sr. No.	Amount (Rs.)	Transaction /DD./DR No.	Date	Drawn On
1	100000/-	004001	23/2/2016	Axis Bank

Copy to:

1. Regional Officer -MPCB Thane, Sub-Regional Officer-Tarapur-1- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, you have provided Effluent Treatment Plant (ETP) of Capacity 20.1 CMD consisting of Primary, Secondary & Tertiary treatment system.

B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time till installation of Reverse Osmosis followed by Multi Effective Evaporator (i.e. upto 31/01/2018), whichever is stringent.

Sr. No.	Parameters	Standards prescribed by Board (If any)
	I. Compulsory Parameters	Limiting Concentration in mg/l, except for pH
01	pH	5.5 to 9.0
02	BOD (3 days 27°C)	100
03	COD	250
04	Suspended Solids	100
05	Oil & Grease	10
06	Total Dissolved Solids	2100
07	Phenol & Phenolic Compounds as C ₆ H ₅ OH	1
08	Phosphate	5
09	Sulphur	30
10	Bioassay Test	90 % survival of fish after 96 hrs in 100% effluent

C] The treated trade effluent shall be reuse/recycled upto maximum extend and remaining shall be sent to CETP after confirming the above standards till installation of Reverse Osmosis followed by Multi Effective Evaporator (i.e. upto 31/01/2018) after that, industry shall recycle the entire treated effluent into the process for various purposes such as for cooling, process & Scrubbing. There shall be no discharge on land or outside factory premises.

- 2) A] The daily quantity of sewage generation from the factory shall not exceed 1.8 M³.
B] The 1.8 M³ sewage generated primary treated in septic Tank and soaked in soak pit. There shall be no discharge on land or outside factory premises.

- 3) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system and or extension or addition thereto.

- 4) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.



- 5) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-I and other provisions as contained in the said act:

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	110.9
2.	Domestic purpose	3.0
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	42.66
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	--
5.	Others: i) Gardening	0

- 6) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time.

[Handwritten signature]



Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and also erected following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	SO ₂ Kg/Day
1	Boiler	Bag filter dust collection system	40.0	Coal	985 KgHr	236
				Biomass/Briquette/Rice husk	2460 Kg/H	
2	PCL3-I	Scrubber	3.0	...	...	...
3	PCL3-II	Scrubber	3.0	...	...	...
4	Metribuzin Plant	Scrubber	3.0	...	...	...
5	Ammonium Sulphate Plant	Scrubber	3.0	...	...	...
2	DG Set (500 KVA)	Acoustic Enclosure	3.1	HSD	15 Lit/hr	--

2. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	150mg/Nm ³ .
SO ₂	Not to exceed	236 Kg/day
H ₂ S	Not to exceed	5.0 Kg/day
Chlorine	Not to exceed	3.0 ppm
CH ₃ Cl	Not to exceed	20 Kg/day
HBr	Not to exceed	5.0 Kg/day
SO ₂	Not to exceed	50 Kg/day
HCl	Not to exceed	20 Kg/day

3. The applicant shall provide specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/Environmental Clearance/CREP guidelines.
4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement well before its life come to an end or erection of new pollution control equipment.
5. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

Schedule-III

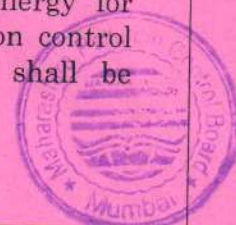
Details of Bank Guarantees

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Restart directions issued vide letter No. MPCB/AS T/TS-Rs/B-5058 dated 01/11/2013	Rs. 2.5 Lakh	Existing	Towards reducing total daily effluent generation in a staggered manner	28/2/2019	30/6/2019
2		Rs. 2.5 Lakh	Existing	Towards not carry out any excess production or produce new products without consent of the Board and without an Environment Clearance wherever it requires.	28/2/2019	30/6/2019
3		Rs. 2.5 Lakh	Existing	Towards operate & maintain existing ETP effectively so as to achieve the consented standard	31/01/2017	30/4/2017
4		Rs. 1.0 Lakh	Existing	Towards not to discharge any effluent in any other source other than the CETP	31/1/2017	30/4/2017
5		Rs. 1.0 Lakh	Existing	Towards operation & maintenance of flow meter and online pH meter/separate energy meter to pollution control device	28/2/2019	30/6/2019
6		Rs. 1.0 Lakh	Existing	Towards proper HW management and to keep proper record of manifest	28/2/2019	30/6/2019
7	C to R	Rs. 5.0 Lakh	15 days	Towards the compliance of consent conditions	28/2/2019	30/6/2019



Schedule-IV
General Conditions:

- 1) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 3) Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
- 4) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
- 5) The firm shall submit to this office, the 30th day of September every year , the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 6) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW & other waste(M&TM) Rules 2016, which can be recycled /processed/reused/recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 7) The industry should comply with the Hazardous and other Waste (M, & TM) Rules, 2016 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous and other Waste (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
- 8) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 9) **The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.**
- 10) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website(www.mpcb.gov.in).
- 11) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 12) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- 13) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 14) The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- 15) Conditions for D.G. Set



- a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
- c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
- d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use
- f) D.G. Set shall be operated only in case of power failure.
- g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
- h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel
- 16) The industry should not cause any nuisance in surrounding area.
- 17) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
- 18) The applicant shall maintain good housekeeping.
- 19) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a statement on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end, with the Environment Statement.
- 20) The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
- 21) The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
- 22) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- 23) The industry shall submit quarterly statement in respect of industries' obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
- 24) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 25) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.

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GADARK LAB PVT. LTD.

INDUSTRIAL ANALYSTS & CONSULTANTS

LAB. : H-54, Additional M.I.D.C. Kudal, Taluka - Kudal, District - Sindhudurg - 416 525.
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OFF. : 15, Hindustan Kohinoor Industrial Complex, L.B.S. Marg, Vikhroli (West), Mumbai - 83.
Tel. : (022) 25777069 / 70

TEST CERTIFICATE

Doc. No: GLPL/QF/5.10/01

Test Certificate No.	GW/O/18/2072	T.C. Date:	29/06/2018
Customer Name and Address	M/S. UPL LTD. PLOT NO. E-51/1, 51/2, 52, MIDC TARAPUR, TALUKA & DIST. PALGHAR, PIN - 401 506.		
Letter Ref/Date	---		
Lab Reference No.	GW/O/18/2072	Page No.	1 of 1
Sampling Done By	GLPL On 23/06/2018	Sample Received on	25/06/2018
Sample Collected by	GLPL	Analysis Period	25/06/2018 To 29/06/2018
Sample Description	Drinking water Sample, 1 lit in plastic bottle & 100 ml in glass bottle		

ANALYSIS REPORTS:

Parameters	Units	Test Result	Specification Range as per IS 10500 / 2012		Methods
			Requirement Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
pH	---	7.12	6.5 - 8.5	No Relaxation	APHA 4500 H ⁺
Turbidity	NTU	0.2	1.0 Max.	5.0 Max.	APHA 2130 B
Total Hardness as CaCO ₃	mg/ltr	90	200.0 Max.	600.0 Max.	APHA 2340 C
Calcium	mg/ltr	24.84	75.0 Max.	200.0 Max.	APHA 3500 Ca B
Magnesium	mg/ltr	6.82	30.0 Max.	100.0 Max.	APHA 3500 Mg B
Chlorides	mg/ltr	13.76	250.0 Max.	1000.0 Max.	APHA 4500 Cl ⁻ B
Sulphates	mg/ltr	3.00	200.0 Max.	400.0 Max.	APHA 4500 SO ₄ ²⁻ C
Alkalinity	mg/ltr	53.37	200.0 Max.	600.0 Max.	APHA 2320 B
Total Dissolved Solids	mg/ltr	120	500.0 Max.	2000.0 Max.	APHA 2540 C
Iron	mg/ltr	0.022	0.3 Max.	No Relaxation	APHA 3500 Fe B
BACTERIOLOGICAL TEST :					
E. Coli	/ 100 ml	Absent	Shall not be detectable (Absent)		APHA 9221 F
Total Coliform Bacteria	/ 100 ml	Absent	Shall not be detectable (Absent)		APHA 9221 C
REMARK: - The Water Sample is Potable as per IS 10500 / 2012 in respect of above tests.					

End

For GADARK LAB PVT. LTD.


AUTHORISED SIGNATORY
[KAILAS V. CHITALKAR]


CHECKED BY

Note:

1. Results relate only to the sample/s tested, only in case of samples submitted by customer & not drawn by GLPL.
2. Test certificate shall not be reproduced except in full, without written approval of the laboratory.
3. Samples will be preserved for a period 15 days from the delivery of Test Certificate.
4. Customer complaint register is available at laboratory.



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Tel. : (022) 25777069 / 70

TEST CERTIFICATE

Doc.No : GLPL/QF/5.10/01

Test Certificate No.	GA/18/06/348	T. C. Date	27/06/2018
Customer Name and Address	M/s. UPL LIMITED PLOT NO. E-51/2, 52, MIDC TARAPUR, TAL. & DIST. - PALGHAR - 401 506		
Letter Ref / Date .	---		
Measurement Done By	GLPL	Page No.	1 of 1

NOISE LEVEL MEASUREMENT :-

Date of Measurement	23/06/2018
Time of Measurement (Hrs.)	11:30

NEAR D. G. SET (500 KVA) :-

Sr. No.	Sampling Location 0.5 Meter Away from D.G. Set	Noise Level Measurement		
		Acoustic Door Open (X)	Acoustic Door Closed (Y)	Insertion Loss X - Y
		dB(A)	dB(A)	dB(A)
1.	East	96.7	71.1	25.6
2.	West	95.4	69.7	25.7
3.	South	97.3	71.5	25.8
4.	North	102.6	74.1	28.5
MPCB Limit (X - Y)				> 25.0

End

For GADARK LAB PVT. LTD.

AUTHORISED SIGNATORY
[KAILAS V. CHITALKAR]

CHECKED BY

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ISO 9001:2008 Certified & BS OHSAS 18001:2007 Certified



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Tel. : (022) 25777069 / 70

TEST CERTIFICATE

Doc. No : GLPL/QF/5.10/01

Test Certificate No.	GA/18/06/347	T. C. Date	27/06/2018
Customer Name and Address	M/s. UPL LIMITED PLOT NO. E-51/2, 52, MIDC TARAPUR, TAL. & DIST. - PALGHAR - 401 506		
Letter Ref / Date .	---		
Measurement Done By	GLPL	Page No.	1 of 1

AMBIENT NOISE LEVEL MEASUREMENT :

Date of Measurement	23/06/2018
---------------------	------------

Sr. No.	LOCATION	NOISE LEVEL dB (A)	
		DAY TIME 12:00 HRS.	NIGHT TIME 22:35 HRS.
01	Near Admin Office	61.3	55.9
02	Near Main Gate Security Cabin	64.5	56.2
03	Near Boiler Area	73.8	66.1
04	Near Plant Area	74.2	68.5
05	Near Assembly Plant II	66.5	61.3
M.P.C.B. LIMITS		75.0	70.0

End

For GADARK LAB PVT. LTD.


AUTHORISED SIGNATORY
[KAILAS V. CHITALKAR]


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Tel. : (022) 25777069 / 70

TEST CERTIFICATE

Doc.No : GLPL/QF/5.10/01

Test Certificate No.	GA/18/06/346	T. C. Date	27/06/2018
Customer Name and Address	M/s. UPL LIMITED PLOT NO. E-51/2, 52, MIDC TARAPUR, TAL. & DIST. - PALGHAR - 401 506		
Letter Ref / Date .	---		
Sampling Done By	GLPL	Page No.	1 of 1
Sample Received on	23/06/2018	Analysis Period	25/06/2018 To 27/06/2018

SAMPLING DETAILS - AMBIENT AIR MONITORING :-

Sampling Location	Near Assembly Point No. II	Near Main Gate
Date of Sampling	22/06/2018	22/06/2018
Time of Sampling [Hrs]	11:30	11:45
Duration of Sampling [Hrs]	24	24
Ambient Temperature [°C]	33	33

ANALYSIS REPORT :-

Parameters	Unit	Near Assembly Point No. II	Near Main Gate	*N.A.A.Q.S.	Methods
PM ₁₀	µg/m ³	56.8	60.2	100.0	NAAQMS/36/2012-2013 Volume 1
PM _{2.5}	µg/m ³	26.4	28.6	60.0	NAAQMS/36/2012-2013 Volume 1
SO ₂	µg/m ³	28.8	31.6	80.0	IS 5182 (Part II) 2012
NO ₂	µg/m ³	33.7	35.3	80.0	IS 5182 (Part VI) 2012
CO	mg/m ³	1.21	1.27	2.0 for 8 Hrs.	IS 5182 (Part X) 1999
Lead	µg/m ³	< 0.01	< 0.01	1.0	NAAQMS/36/2012-2013 Volume 1
Ozone	µg/m ³	< 20.0	< 20.0	100.0 for 8 Hrs.	APHA Method 411 3 rd Edition
Ammonia	µg/m ³	< 14.0	< 14.0	400.0	APHA Method 401 3 rd Edition
Benzene	µg/m ³	< 0.14	< 0.14	5.0	IS 5182 (Part 11) 2006
Benzo Pyrene	ng/m ³	< 1.0	< 1.0	1.0	IS 5182 (Part 12):2004
Arsenic	ng/m ³	< 0.7	< 0.7	6.0	NAAQMS/36/2012-2013 Volume 1
Nickel	ng/m ³	< 6.0	< 6.0	20.0	NAAQMS/36/2012-2013 Volume 1

*N.A.A.Q.S. - National Ambient Air Quality Standards

End

For GADARK LAB PVT. LTD.

AUTHORISED SIGNATORY
[KAILAS V. CHITALKAR]

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Tel. : (022) 25777069 / 70

TEST CERTIFICATE

Doc.No : GLPL/QF/5.10/01

Test Certificate No.	GA/18/06/345	T. C. Date	27/06/2018
Customer Name and Address	M/s. UPL LIMITED PLOT NO. E-51/2, 52, MIDC TARAPUR, TAL. & DIST. - PALGHAR - 401 506		
Letter Ref / Date .	---		
Sampling Done By	GLPL	Page No.	1 of 1
Sample Received on	23/06/2018	Analysis Period	25/06/2018 To 26/06/2018

SAMPLING DETAILS - SCRUBBER EMISSION

Stack Attached to	METRIBUZIM - CASUTIC SCRUBBER
Stack Dimension [mm]	350
Date of Sample collection	23/06/2018
Time of Sampling [Hrs]	13:00
Temperature of flue gas [°C]	32
Average flue gas velocity [m/s]	2.5
Average volume of flue gas discharged [Nm ³ /hr]	855
Volume of flue gas sampled [Lit. at 25°C]	39.1

ANALYSIS REPORT :

Parameters	Units	Results	M.P.C.B. Limits	Test Methods
Hydrogen Bromide	Kg/day	Not Detected	5.0	APHA 4500 Br ⁻

End

For GADARK LAB PVT. LTD.

AUTHORISED SIGNATORY
[KAILAS V. CHITALKAR]

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Tel. : (022) 25777069 / 70

TEST CERTIFICATE

Doc.No : GLPL/QF/5.10/01

Test Certificate No.	GA/18/06/343	T. C. Date	27/06/2018
Customer Name and Address	M/s. UPL LIMITED PLOT NO. E-51/2, 52, MIDC TARAPUR, TAL. & DIST. - PALGHAR - 401 506		
Letter Ref / Date .	---		
Sampling Done By	GLPL	Page No.	1 of 1
Sample Received on	23/06/2018	Analysis Period	25/06/2018 To 26/06/2018

SAMPLING DETAILS - STACK EMISSION

Stack Attached to	D. G. SET (500 KVA)
Stack Dimension [mm]	300
Date of Sample collection	23/06/2018
Time of Sampling [Hrs]	11:30
Temperature of flue gas [°C]	115
Average flue gas velocity [m/s]	10.8
Average volume of flue gas discharged [Nm ³ /hr]	2106
Weight of particulate matter collected [mg]	30.5
Volume of flue gas sampled [Lit. at 25°C]	713

ANALYSIS REPORT :

Parameters	Units	Results	M.P.C.B. Limits	Test Methods
TPM / SPM	mg/Nm ³	42.8	150.0	Laboratory Analytical Techniques / 80 / 2013-14 / CPCB
Sulphur Dioxide	ppm v/v	28.6		
	Kg/day	3.78	16.0	
NOx	ppm v/v	11.3	Not Specified	

End

For GADARK LAB PVT. LTD.

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TEST CERTIFICATE

Doc.No : GLPL/QF/5.10/01

Test Certificate No.	GA/18/06/342	T. C. Date	27/06/2018
Customer Name and Address	M/s. UPL LIMITED PLOT NO. E-51/2, 52, MIDC TARAPUR, TAL. & DIST. - PALGHAR - 401 506		
Letter Ref / Date .	---		
Sampling Done By	GLPL	Page No.	1 of 1
Sample Received on	23/06/2018	Analysis Period	25/06/2018 To 26/06/2018

SAMPLING DETAILS - STACK EMISSION

Stack Attached to	BOILER - I
Stack Dimension [mm]	1000
Date of Sample collection	23/06/2018
Time of Sampling [Hrs]	10:45
Temperature of flue gas [°C]	95
Average flue gas velocity [m/s]	8.2
Average volume of flue gas discharged [Nm ³ /hr]	18853
Weight of particulate matter collected [mg]	39.4
Volume of flue gas sampled [Lit. at 25°C]	576

ANALYSIS REPORT :

Parameters	Units	Results	M.P.C.B. Limits	Test Methods
TPM / SPM	mg/Nm ³	68.4	150.0	Laboratory Analytical Techniques / 80 / 2013-14 / CPCB
Sulphur Dioxide	ppm v/v	45.7		
	Kg/day	54.13	236.0	
NOx	ppm v/v	12.0	Not Specified	

End

For GADARK LAB PVT. LTD.

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4. Test Results relate only to the conditions prevailing at the time of sampling
5. Customer complaint register is available at laboratory.

**KLEAN LABORATORIES AND RESEARCH (P) LTD.**

CIN - U73100MH2009PTC195098

An Environmental Laboratory approved by MoEFCC.

vide Gazette Notification of India Sr. No. 857 (E) Dated February 26, 2018 valid up to 2023.

402 Purushottam Plaza, Banor Road, Pune- 411 045.

Tel. 020-46781028 E-mail : kleanlab@klean.org Website: www.klean.org

TEST REPORT					
Test Report No	1809/UPL/5349			Date	10.09.2018
Name & Address of the Client	M/S. UPL LIMITED PLOT NO. E-51/2, 52, MIDC INDUSTRIAL AREA, TARAPUR				
AAQM SAMPLE DETAILS					
Type	Location			Sampling done by	
Ambient	NEAR ASSEMBLY POINT NO-II			Lab	
Sampling Time					
Start Time		Stop Time		Total Hrs	
10.15am		10.15am		24 Hrs.	
Sample collection Date	Sample receipt Date	Analysis start Date		Analysis complete Date	
03.09.2018	04.09.2018	05.09.2018		10.09.2018	
Sampling Procedure			As per KLRPL/QSP/22		
S.No.	Parameters	Method	Unit	Limits	Result
1	Particulate Matter (PM 10)	Instr. Manual version 2.01	$\mu\text{g}/\text{m}^3$	100	52.3
2	Particulate Matter (PM2.5)	Inst Man Ver 1.2 2012	$\mu\text{g}/\text{m}^3$	60	20.4
3	Sulphur Dioxide	IS 5182 (part 2) 2001	$\mu\text{g}/\text{m}^3$	80	11.7
4	Oxides of Nitrogen	IS 5182 (part 6) 2006	$\mu\text{g}/\text{m}^3$	80	10.3
5	Ozone	MASA - 411 3rd Ed	$\mu\text{g}/\text{m}^3$	100 (for 8 hrs)	BDL(MDL<19.6)
6	Lead	MASA - 822 3rd Ed	$\mu\text{g}/\text{m}^3$	1	BDL(MDL<0.1)
7	Carbon Monoxide	IS 5182 (part 10) 1999	Mg/m^3	2 (for 8 hrs)	0.1
8	Ammonia	MASA - 401 3rd Ed	$\mu\text{g}/\text{m}^3$	400	BDL(MDL<0.02)
9	Benzene	IS 5182 (part 11) 2006	$\mu\text{g}/\text{m}^3$	5	BDL(MDL<0.2)
10	Benzo (a) Pyrene	CPCB Manual Vol 1 2011	ng/m^3	1	BDL(MDL<1)
11	Arsenic	MASA - 302 3rd Ed	ng/m^3	6	BDL(MDL<0.1)
12	Nickel	MASA - 822 3rd Ed	ng/m^3	20	BDL(MDL<7)
End of Test report					
BDL: -Below Detectable level & MDL: -Method detection limit.					
Limits as per NAAQS Amended on 16 Nov 2009.					
This report cannot be reproduced in parts and pertains to the sample(s) as received.					
Page 1/1					
V.W. Kale					

**KLEAN LABORATORIES AND RESEARCH (P) LTD.**

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Tel. 020-46781028 E-mail : kleanlab@klean.org Website: www.klean.org

TEST REPORT					
Test Report No	1810/A/4360			Date	10.09.2018
Name & Address of the Client	M/S. UPL LIMITED PLOT NO. E-51/2, 52, MIDC INDUSTRIAL AREA, TARAPUR				
AAQM SAMPLE DETAILS					
Type	Location			Sampling done by	
Ambient	NEAR MAIN GATE			Lab	
Sampling Time					
Start Time		Stop Time		Total Hrs	
10.00am		10.00am		24 Hrs.	
Sample collection Date	Sample receipt Date	Analysis start Date		Analysis complete Date	
03.09.2018	04.09.2018	05.09.2018		10.09.2018	
Sampling Procedure			As per KLRPL/QSP/22		
S.No.	Parameters	Method	Unit	Limits	Result
1	Particulate Matter (PM 10)	Instr. Manual version 2.01	$\mu\text{g}/\text{m}^3$	100	58.2
2	Particulate Matter (PM2.5)	Inst Man Ver 1.2 2012	$\mu\text{g}/\text{m}^3$	60	22.8
3	Sulphur Dioxide	IS 5182 (part 2) 2001	$\mu\text{g}/\text{m}^3$	80	12.34
4	Oxides of Nitrogen	IS 5182 (part 6) 2006	$\mu\text{g}/\text{m}^3$	80	10.86
5	Ozone	MASA - 411 3rd Ed	$\mu\text{g}/\text{m}^3$	100 (for 8 hrs)	BDL(MDL<19.6)
6	Lead	MASA - 822 3rd Ed	$\mu\text{g}/\text{m}^3$	1	BDL(MDL<0.1)
7	Carbon Monoxide	IS 5182 (part 10) 1999	Mg/m^3	2 (for 8 hrs)	0.2
8	Ammonia	MASA - 401 3rd Ed	$\mu\text{g}/\text{m}^3$	400	BDL(MDL<0.02)
9	Benzene	IS 5182 (part 11) 2006	$\mu\text{g}/\text{m}^3$	5	BDL(MDL<0.2)
10	Benzo (a) Pyrene	CPCB Manual Vol 1 2011	ng/m^3	1	BDL(MDL<1)
11	Arsenic	MASA - 302 3rd Ed	ng/m^3	6	BDL(MDL<0.1)
12	Nickel	MASA - 822 3rd Ed	ng/m^3	20	BDL(MDL<7)
End of Test report					
BDL: -Below Detectable level & MDL: -Method detection limit.					
Limits as per NAAQS Amended on 16 Nov 2009.					
This report cannot be reproduced in parts and pertains to the sample(s) as received.					
 V.W. Kale					

**KLEAN LABORATORIES AND RESEARCH (P) LTD.**

CIN : U73100MH2009PTC195098

An Environmental Laboratory approved by MoEFCC.

vide Gazette Notification of India Sr. No. 857 (E) Dated February 26, 2018 valid up to 2023.

402 Purushottam Plaza, Banner Road, Pune- 411 045.

Tel. 020-46781028 E-mail : kleanlab@klean.org Website: www.klean.org

TEST REPORT

Test Report No	1809/UPL/4363	Date	10.09.2018-		
Name & Address of the Client	M/S. UPL LIMITED PLOT NO. E-51/2, 52, MIDC INDUSTRIAL AREA, TARAPUR				
STACK DETAILS					
Stack No	Stack Attached to		Sampling done by		
--	CAUSTIC SCRUBBER		Lab		
Shape	Round	Fuel Used	--		
Diameter (Mtr)	0.35	Dimensions (Mtr)	L= -- B= --		
Height (Mtr)	3.0	C S Area (M2)	0.0961		
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date		
03.09.2018	03.09.2018	04.09.2018	08.09.2018		
Sampling Procedure		As per KLRPL/QSP/22			
Stack Gas Details					
Temperature (°C)	34	Velocity (M/S)	2.8		
Flow Rate (LPM)	1276				
S.No.	Parameters	Method	Unit	Limit	Result
1	Hydrogen Bromide	APHA 4500 Br	Kg/Day	5.0	BDL
End of Test report					
BDL: -Below Detectable level & MDL: -Method detection limit. Limit as per SPCB Consent					
This report cannot be reproduced in parts and pertains to the sample(s) as received.					
 V.W.Kale					

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Tel. 020-46781028 E-mail : kleanlab@klean.org Website: www.klean.org

TEST REPORT

Test Report No	1809/UPL/4361	Date	10.09.2018-
Name & Address of the Client	M/S. UPL LIMITED PLOT NO. E-51/2, 52, MIDC INDUSTRIAL AREA, TARAPUR		

STACK DETAILS

Stack No	Stack Attached to		Sampling done by
--	DG SET (500 KVA)		Lab
Shape	Round	Fuel Used	HSD
Diameter (Mtr)	0.3	Dimensions (Mtr)	L= -- B= --
Height (Mtr)	3.1	C S Area (M2)	0.0706
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date
03.09.2018	03.09.2018	04.09.2018	08.09.2018
Sampling Procedure		As per KLRPL/QSP/22	

Stack Gas Details

Temperature (°C)	86	Velocity (M/S)	7.6
Flow Rate (Nm3/Hr)	1603.4		

S.No.	Parameters	Method	Unit	Limit	Result
1	Total Particulate Matter	IS 11255 (part 1) 1985	mg/Nm ³	150	51.9
2	Sulphur-Di-Oxide	IS 11255 (part 2) 1985	Kg/Day	236	4.3
3	Oxides of Nitrogen	IS 11255 (part 7) 2005	ppm	--	12.4

End of Test report

BDL: -Below Detectable level & MDL: -Method detection limit.

Limit as per SPCB Consent

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V.W.Kale



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402 Purushottam Plaza, Baner Road, Pune- 411 045.
Tel. 020-46781028 E-mail : kleanlab@klean.org Website: www.klean.org

TEST REPORT					
Test Report No	1809/UPL/4360			Date	10.09.2018-
Name & Address of the Client	M/S. UPL LIMITED PLOT No. E-51/2, 52, MIDC INDUSTRIAL AREA, TARAPUR				
STACK DETAILS					
Stack No	Stack Attached to			Sampling done by	
--	BOILER-I			Lab	
Shape	Round	Fuel Used	Coal		
Diameter (Mtr)	1.0	Dimensions (Mtr)	L=	--	B= --
Height (Mtr)	40	C S Area (M2)	0.785		
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date		
03.09.2018	03.09.2018	04.09.2018	08.09.2018		
Sampling Procedure		As per KLRPL/QSP/22			
Stack Gas Details					
Temperature (°C)	97	Velocity (M/S)	6.4		
Flow Rate (Nm3/Hr)	14566.8				
S.No.	Parameters	Method	Unit	Limit	Result
1	Total Particulate Matter	IS 11255 (part 1) 1985	mg/Nm ³	150	72.5
2	Sulphur-Di-Oxide	IS 11255 (part 2) 1985	Kg/Day	236	58.2
3	Oxides of Nitrogen	IS 11255 (part 7) 2005	ppm	--	10.7
End of Test report					

BDL: -Below Detectable level & MDL: -Method detection limit.

Limit as per SPCB Consent

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402 Purushottam Plaza, Baner Road, Pune- 411 045.

Tel. 020-46781028 E-mail : kleanlab@klean.org Website: www.klean.org

TEST REPORT

Test Report No	1809/UPL/4364	Date	10.09.2018
Name & Address of the Client	M/S. UPL LIMITED		
	PLOT NO. E-51/2, 52, MIDC INDUSTRIAL AREA, TARAPUR		

NOISE LEVEL MONITORING

Type	Time		Sampling done by
Noise Level	Day		Lab
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date
03.09.2018	04.09.2018	05.09.2018	05.09.2018

Sampling Procedure

As per procedure KLRPL/QSP/22

S.No.	Location	Method	Unit	Limit	Result
1	Near Admin Office	IS 9989: 1981	dB(A)	75	62.3
2	Near Main Gate	IS 9989: 1981	dB(A)	75	65.0
3	Near Boiler Area	IS 9989: 1981	dB(A)	75	74.3
4	Near Plant Area	IS 9989: 1981	dB(A)	75	74.8
5	Near Assembly Plant-II	IS 9989: 1981	dB(A)	75	65.0
6	DG Set (Door Open)	IS 9989: 1981	dB(A)	—	97.3
7	DG Set (Door Closed)	IS 9989: 1981	dB(A)	—	71.8

End of Test report

BDL: -Below Detectable level & MDL: -Method detection limit.
Limiting Standard as per Factory Act 1948 – 90 dB (A)

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402 Purushottam Plaza, Baner Road, Pune- 411 045.

Tel. 020-46781028 E-mail : kleanlab@klean.org Website: www.klean.org

TEST REPORT					
Test Report No	1809/UPL/4366		Date	10.09.2018	
Name & Address of the Client	M/S. UPL LTD.				
	Plot No. E-51/1 & 2, MIDC Tarapur, Tal. & Dist. Palghar				
WASTE WATER SAMPLE DETAILS					
Type	Container	Collection by	Quantity		
Effluent Raw	Plastic bottle	KLRPL Lab	1000 ml		
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date		
03.09.2018	04.09.2018	05.09.2018	10.09.2018		
Sampling Procedure		As per KLRPL/QSP/22			
S.No.	Parameters	Method	Unit	Limit	Result
1	pH	APHA 4500 - H ⁺ B	--	--	0.65
2	Suspended Solids	APHA 2540-D	mg/L	--	2482
3	C.O.D.	APHA 5220.C	mg/L	--	5120
4	3 Day B.O.D. @ 27 ⁰ C	IS: 3025 (PART 44)	mg/L	--	1550
5	Oil & Grease	IS:3025 (PART 39)	mg/L	--	17
6	Phosphate	APHA 3111B	mg/L	--	1.013
7	TDS	APHA 2540-E	mg/L	--	2300
End of Test report					
BDL: -Below Detectable level & MDL: -Method detection limit.					
Limit - As per SPCB Consent					
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Page 1/1					
V. W. Kale					



KLEAN LABORATORIES AND RESEARCH (P) LTD.

GIN 1173100M112000PTC195000

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402 Purushottam Plaza, Banor Road, Pune- 411 045.

Tel. 020-46781028 E-mail : kleanlab@klean.org Website: www.klean.org

Test Report No	1809/UPL/4367	Date	10.09.2018
Name & Address of the Client	M/S. UPL LTD. Plot No. E-51/1 & 2, MIDC Tarapur, Tal. & Dist. Palghar		

WASTE WATER SAMPLE DETAILS

Type	Container	Collection by	Quantity
Effluent Treated	Plastic bottle	KLRPL Lab	1000 ml
Sample collection Date	Sample receipt Date	Analysis start Date	Analysis complete Date
03.09.2018	04.09.2018	05.09.2018	10.09.2018

Sampling Procedure

As per KLRPL/QSP/22

S.No.	Parameters	Method	Unit	Limit	Result
1	pH	APHA 4500 - H ⁺ B	--	6.0 to 9.0	7.87
2	Suspended Solids	APHA 2540-D	mg/L	<100	38
3	C.O.D.	APHA 5220.C	mg/L	<250	168
4	3 Day B.O.D. @ 27°C	IS: 3025 (PART 44)	mg/L	<100	54
5	Oil & Grease	IS:3025 (PART 39)	mg/L	<10	BDL (MDL<0.1)
6	Phosphate	APHA 3111B	mg/L	--	0.06
7	TDS	APHA 2540-E	mg/L		1900

End of Test report

BDL: -Below Detectable level & MDL: -Method detection limit.

Limit - As per SPCB Consent

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V. W. Kale

V. W. Kale

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CIN : U73100MH2009PTC195098

An Environmental Laboratory approved by MoEFCC.

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402 Purushottam Plaza, Baner Road, Pune- 411 045.

Tel. 020-46781028 E-mail : kleanlab@klean.org Website: www.klean.org

TEST REPORT

Test Report No	1809/UPL/4365	Date	10.09.2018		
Name & Address of the Client	M/S. UPL LIMITED				
	PLOT No. E-51/2, 52, MIDC INDUSTRIAL AREA, TARAPUR				
NOISE LEVEL MONITORING					
Type	Time			Sampling done by	
Noise Level	Night			Lab	
Sample collection Date	Sample receipt Date	Analysis start Date		Analysis complete Date	
03.09.2018	04.09.2018	05.09.2018		05.09.2018	
Sampling Procedure		As per procedure KLRPL/QSP/22			
S.No.	Location	Method	Unit	Limit	Result
1	Near Admin Office	IS 9989: 1981	dB(A)	70	54.8
2	Near Main Gate	IS 9989: 1981	dB(A)	70	55.9
3	Near Boiler Area	IS 9989: 1981	dB(A)	70	69.3
4	Near Plant Area	IS 9989: 1981	dB(A)	70	68.7
5	Near Assembly Plant-II	IS 9989: 1981	dB(A)	70	61.4
End of Test report					
BDL: -Below Detectable level & MDL: -Method detection limit. Limiting Standard as per Factory Act 1948 – 90 dB (A)					
This report cannot be reproduced in parts and pertains to the sample(s) as received.					
Page 1/1					
 V. W. Kale					

MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION
(A Government of Maharashtra Undertaking)

Tel: +91-22-25820703 +91-22-25829539

Regional Office,
MIDC, Office Complex Bldg.
Wagle Estate, Thane-400604.

Fax: +91-22-25821886

Email: rothane1@midcindia.org

NO.MIDC/ROT/TRP/E-51,52/523/2017, Date :- - 1 MAR 2017.

To,

M/s. Punjab Chemicals And Crop Protection Ltd.,
Plot No. E-51/1&2/52, MIDC, Tarapur Indl. Area,
Boisar, Dist. Palghar.

Sub :- Tarapur Industrial Area

Plot No. E-51/1, E-51/2 & E-52

Renewal of Sub-letting Permission.

Ref :- 1) Your letter dated 10/11/2017 & 20/02/2017

Sir / Madam,

With reference to above, it is to informed you that, the Corporation has examined your request and decided to renewal permission for sub-letting area as details below for existing Activity of Sub-Letee i.e. **Inorganic Chemicals**, subject to payment of Sub-letting charges as details below:-

For Industrial purpose							Period Year/ Months
Sr. No.	Name of sub- lettees	Area in M2 occupies Proposed	3% Of Current Rate Rs. 3540/- + 10% Road width for 30.50 Mtr. Rd.	Adv. Amt. of sub- letting charges payable	From	To	
1)	M/s. UPL Limited	9127.68 m2	117/-	32,03,900/-	01/03/2017	28/02/2020	3 Years
			Total Rs.	32,03,900/-			

1. The lessee & Sub-Lessee have to submit registered copy of Leave & Licenses Agreement for sub-letting premises before final subletting order.
2. Sub-lettee shall obtain & submit copy of MPCB consent for above period.

You are requested to pay **Rs. 32,03,900/-** (Rupees Thirty Two Lakh Three Thousand Nine Hundred only) towards Sub-letting Charges by way of Demand Draft drawn in favour of the **Chief Accounts Officer, MIDC, Mumbai** within 15 days from the date of receipt of this letter. If you failed to pay the sub-letting charges, the permission granted shall stand cancelled and the sub-lettee will have to obtain all necessary permission, consent, NOC from concern authorities. If you continue with the sub-letting of the built up area, unauthorisely action as provided in the agreement to Lease will be initiated which please note.

Thanking You,

Your's faithfully,



Patel
7.3.2017
Area Manager
MIDC, R.O.1, Thane

Recd
7.3.2017

MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION

(A Government of Maharashtra Undertaking)

Regional Office, MIDC Office Complex Building, 1st floor, Near Wagle Estate Octroi Naka,
Thane-400604

No.MIDC/ROT/TRP/13783

Date: - 4 OCT 2011

To,
M/s Panjab Chemicals and Crop Protection Limited,
Oberoi Chemibers II, 4th / 5th Floor, 645/646,
New Link Road, Andheri (W), Mumbai-400 053

Subject : Tarapur Industrial Area.
Plot Nos. E-51/1, E-51/2 and E-52,
Amalgamation in respect of.

Sir,

Please refer to your letter dated 04/10/2011 on the above mentioned subject.

Since you have paid Rs. 5,000/- (Rupees Five Thousand Only.) towards Administrative Charges vide D.R.No. 001249 dated 04/10/2011, the Corporation has granted Amalgamation Plot Nos. E-51/1, E-51/2 and E-52, in Tarapur Industrial Area subject to following conditions:

- 1) All the construction on the plots should be as per all the provisions in DCIR applicable for combined plot area.
- 2) All the plots will be treated as separate plots for the purpose of payment of annual ground rent.



Yours faithfully,

Area Manager,
MIDC, THANE

Copy f.w.c.s. to the Deputy Engineer, MIDC, Drainage Sub Division, Tarapur Boisar
Tarapur for information.



REF : UPL/MPCB-AS(T)/2017-18/013
DATE : 5th January 2018

To
The Assistant Secretary - Technical,
Maharashtra Pollution Control Board,
Sion,
Mumbai

K/A : Mr. P K Mirashe

Sub : Extension of Zero Liquid Discharge implementation date

Ref : Consent to Operate No. 1.0/BO/AST/UAN No. 0000019382/R/CC-1708000213 dtd
05/08/2017

Dear Sir

With reference to the above mentioned Consent To Operate, we have been permitted to operate the manufacturing activities at our Tarapur unit located at below mentioned address with a condition of implementing zero liquid discharge along with MEE for evaporation by 31st January 2018.

With reference to the directives in Consent To Operate (condition No. I-B of Schedule-I), we have raised the required purchase orders for 120 KLD ETP to M/s. SBS Enviro and 100 KLD MEE to M/s. Mazda. The required civil work related to the ETP is completed to up to 90%.

We are attaching following documents for your perusal ;

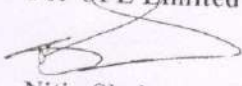
1. POs related ETP and MEE.
2. Layout & P&ID for the ETP
3. Photographs showing civil work progress.

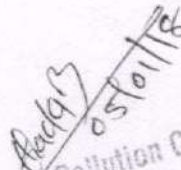
Based on the current status and the delivery dates committed by the vendors, we feel that it will take some more time for the completion & commissioning of ETP and MEE.

We hereby request your good office to extend ETP completion & commissioning date to 1st May 2018, while 1st July 2018 for the MEE. We assure you that, we will definitely complete & commission both before the extended dates requested above.

Request you to look into the same & oblige us with the date extension as requested.

Thanking you,
Yours faithfully
For UPL Limited


Nitin Shah
GM (MFG)


Maharashtra Pollution Control Board
Kalbure Point, 2/3/4th Floor,
Sion Matunga Scheme, Road No. 8,
Opp. Sion Circle, Sion (East),
MUMBAI - 400 022.
Phone : 24010437 / 24020781



Swaminath Pandey <swaminath.pandey@uniphos.com>

Fwd: The form submission against the Tracking Id: SWC/4/0/20140404/272463 is marked as Approved: Industrial Area: Tarapur ; Plot number: E-51-1, E-51-2, E-52.

1 message

sbpandey <sbpandey@punjabchemicals.com>
To: Swaminath Idea Upl <swaminath.pandey@uniphos.com>

Mon, Oct 27, 2014 at 9:39 AM

Sent from Samsung Mobile

----- Original message -----

From: "MAHAEBIZ (SWC)" <swc@midcindia.org>

Date: 25/09/2014 7:20 PM (GMT+05:30)

swamipandey7@gmail.com

Cc: rothane1@midcindia.org, sbpandey@punjabchemicals.com, swamipandey7@gmail.com

Subject: The form submission against the Tracking Id: SWC/4/0/20140404/272463 is marked as Approved: Industrial Area: Tarapur ; Plot number: E-51-1, E-51-2, E-52.

The form submission against the Tracking Id: **SWC/4/0/20140404/272463** has been reviewed and status is marked as **Approved** on Date: 25/09/2014.

Regards,

swc@midcindia.org

Note: This is an automated email notification. Please do not reply this email.



No. IFMS/DE/SPA/TRP/ C56185/2014

Office of the Deputy Engineer

MIDC Drainage Sub Division Tarapur

Dist: Thane

Date:- 01/09/2014

To,

M/s. Panjab Chemical & Crop Protection
Plot No. E-52, E-51/1 & 2,
MIDC, Tarapur Indl. Area-401506

Sub:- Approval Drainage plans for proposed Factory building
on Plot No. E-52, E-51/1 & 2 for M/s. Panjab Chemical & Crop Protection
in Tarapur Industrial Area.

Ref:- 1) Single window application Tracking
No. SWC/4/3/20140214/263874, dt. 14/02/2014
2) This office letter No. IFMS/DE/SPA/TRP/B-85076, dt. 25/06/2014
3) Finally complied on 14/08/2014

Dear Sir,

The set of plans/amended plans in triplicate, received along with letter under reference for the above work is approved subject to the condition as follows:-
The detailed drainage plans approved vide this Office letter No. _____ dated _____ are treated as cancelled & are superceded by this approval.

[Handwritten signature]
01/09

- 1) Internal & external water supply and sanitary fitting etc. for the work shall be carried out through the agency of licensed plumber of MIDC or Local Authority of Environmental Engineering Department of Government of Maharashtra, as per instructions of the undersigned.
 - 2) The work should be carried out as per specifications conforming to I.S.S. in case, these are not covered, standard practice allowed by Bombay Municipal Corporation will be followed.
 - 3) The Waste Water from closets and urinals shall be passed through septic tank of standard design. The effluent from the septic tank should be let out in a soak pit only till sewer lines to be laid by MIDC are not available in the area. The effluent from septic tank will ultimately have to be connected to MIDC's sewerage system when provided.
- Following undertaking shall therefore be furnished.
- a) The effluent from the factory on the aforesaid plot will be connected to the MIDC's sewer lines as soon as the same are available and Commissioned in the area.
 - b) Necessary consent under Sec.28 of the Act, will be obtained from the M.P.C.B. prior to connection of Plot Holders effluent to MIDC's Effluent System.
You will be allowed to join your effluent to MIDC's Common Effluent Collection System, only after obtaining necessary consent from M.P.C.B. & actual commissioning of pre-treatment units for effluent within your own premises.
 - 4) In case of natural water courses of stream, passing through your plot, you should take necessary care to ensure that the quantity of rain water that flows uninterrupted through plot & upto the point of out flow of the natural stream and these points of entry & exit must not be altered. Diverting the course within your own plot to suit your construction may be done, after the

detailed plans, sections, elevations and designs for allowing the maximum discharge of rain water through the above plot are granted written permission for the works proposed.

- 5) The waste water from the water closets & Urinals shall be passed through the septic tank, which is to be adequate to meet the requirement of the persons working in the factory & process waste, if any, prior to septic 150 mm. Dia. Sewer trap inspection chamber with 75mm. Dia vent pipe shall be provided.
- 7) Overhead water tanks shall be provided at the rate of 450 liters per W.C. Urinal provided.
- 8) All vent pipes shall be minimum 80mm. Dia size.
- 9) All rain water down take pipes shall be minimum 100 mm. dia had should be provided at the rate of 1 No. per 35 Sqm. Of roof area.
- 10) C.I. pipes shall be provided for carriage of water below the following.
- 11) All S.W.G. pipes shall be minimum of 150mm dia size.
- 12) It should be seen that no overflow of water from the soak pit or process waste enters into adjoining property.
- 13) Arrangement for storage of water equivalent to 24 hours requirement of your industry should be made within your premises.
- 14) Rain water pipes are not to connect to underground drainage system.
- 15) Separate drainage system shall be provided for collection of Industrial & Domestic Wastes. Terminal manholes shall be provided at the end of the collection systems with arrangements for measuring the flow.
- 16) If Drainage connection is to be made by crossing of MIDC Road, the road Reinstatement charges shall be payable in advance as intimated by the Deputy Engineer concerned. The usual traffic rules & regulations shall be adopted while laying the pipes in the road portion.
- 17) The block plan is approved only for the structures shown indifferent colour as follows & for the structures that are detailed plans, elevations, sections are approved.
- 18) In case, any of the requirements state above is flouted by the plot holder, he is liable for discontinuance of water supply & is liable for action provided under the MIDC Act & various regulations & as per provisions in the lease agreement.
- 19) You should provide continuous automatic P.H. Recording device.
- 20) You should provide effluent collection sump equivalent 24 (Twenty Four) hours capacity of effluent generation effluent should be pumped in MIDC Collecting system providing 'U' Trap before MIDC manhole Gravity flow effluent will not be permitted.

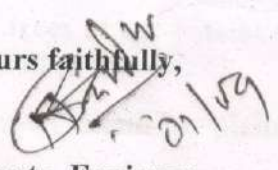
After completion of work, as per above requirement, it shall be jointly inspected by the concerned Deputy Engineer of MIDC & Your representatives, who has designed & executed the work, without which completion certificate will not be issued to enable you to commission the system.

Please acknowledge the receipt of this letter.

Thanking you,

D.A:-Approved Drawing

Yours faithfully,


Deputy Engineer,
MIDC, Drainage Sub-dn.(SPA)
Tarapur

- 1) Copy submitted to Ex. Engineer, MIDC Dn.No.1 Thane for favour of information please.
- 2) Copy f.w.c's to R.O. MIDC Regional Office, Thane.
- 3) Copy f.w.c.s to D.E, E & M Sub-dn. Tarapur.
- 4) Copy to Guard file (SPA)

MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION
(A Government of Maharashtra Undertaking)

APPENDIX-D

Form for Sanction of building permit and Commencement Certificate

To,

✓ M/s. Panjab Chemical & Crop. Protection
Plot No. E-52, E-51/1 & 2,
MIDC, Tarapur Indl. Area-401506

Sir,

With above reference to single window application Tracking No. SWC/4/3/20140214/263874, dt. 14/02/2014 for grant to sanction of commencement certificate to carry out development work of Factory building & development work permit under Section 45 of M.R.T.P. Act, 1966 to erect Factory building on Plot No. E-52 & E-51/1 & 2 of 'E' Zone situated at MIDC Indl. Road/Street-- in Tarapur Industrial area, the commencement/building permit is granted Subject to following conditions:

1. The land vacated in consequence of the enforcement of the set back rule part of the public street.
2. No new building or part of thereof shall be occupied or allowed to be occupied used or permitted to be used by any person until the occupancy permission is granted.
3. The commencement certificate/Building permit shall remain valid for a period of one year from the date of its issue.
4. This permission does not entitle you to develop the land, which does not vest in you.
5. Minimum two trees in plots of 200 Sq.m. & such number of trees at the rate of one tree per 100 Sq.m for plots more than 200 Sq.m. shall be planted and protected.
6. In case of group housing minimum two trees per tenement shall be planted and protected.
7. Marginal open space must be kept as per enclosed approved plan and no other construction shall be permitted in marginal open space.
8. Abide to follow the Rules & Circular issued by the Labour Dept. Govt. of Maharashtra Time to time during Completion of Building & Development of plot.

NO. IFMS/DE/SPA/TRP/ 56185 / of 2014
Office of the Deputy Engineer
MIDC Drainage Sub Division
Tarapur, Dist. Thane


Deputy Engineer
MIDC Drainage Sub-Div.
(SPA) Tarapur

MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION
(A Government of Maharashtra Undertaking)



No. IFMS/DE/SPA/TRP/656185/of 2014
Office of the Deputy Engineer
MIDC Drainage Sub Division Tarapur
Dist. Thane
Date: 01/09/2014

To,

M/s. Panjab Chemical & Crop Protection
Plot No. E-52, E-51/1 & 2,
MIDC, Tarapur Indl. Area-401506

Sub:- Approval to Additional plans to previous plan for proposed
Factory building on Plot No. E-52 & E-51/1 & 2, of M/s. Panjab
Chemical & Crop Protection in Tarapur Industrial Area.

Architect :- Mr. Haren Shroff, Surat, Reg. TDO/ER/1039

Ref:- 1) Single window application Tracking
No. SWC/4/3/20140214/263874, dt. 14/02/2014
2) This office letter No. IFMS/DE/SPA/TRP/B-85076, dt. 25/06/2014
Finally complied on 14/08/2014

Dear Sir/s.

- 1) One set of plans for proposed Factory building received from single window application above is hereby approved & returned to you subject to following conditions:
- 2) You had submitted plans & drawings for plinth area of 4720.16 square meter over the plot area 23454.00 square meter & at present this office has approved plans for upto date plinth area of 4720.16 square meter on upto date built up area 9127.68 square meter submitted by you. This office has approved only 14 Nos. of drawings, the details of which are attached in accompanying statement.
- 3) In case of BCC to the modified plans, the original approvals to the drawings granted vide letter No. -----, dt. ----- from the Office of the Deputy Engineer, MIDC, Works Sub-Divn., Tarapur is/are treated as cancelled as the drawings approved now super cedes the previously approved drawings. You are therefore requested to return the above cancelled drawings for record & cancellation.
- 4) As the drawings submitted are for new structures, which were not approved previously, present approval along with previously approved BCC issued vide letter No. EE/DE/TW/1993, dt. 22/02/1993 & No. EE/SPA/Camp/TRP/155, dt. 09/01/2003 from the Office of the Deputy Engineer, MIDC, Drainage, Sub-Divn., Tarapur are treated as combined approval for building.

- 5) a) The building plans needs to be got approved from:-
- 1) Factory Inspector, Department of State Government
 - 2) Department of Explosives, Government of Maharashtra
Certified copies of plans along with a letter of approval from the above authorities shall be submitted/sent to Deputy Engineer, before starting the work.
 - 3) Certificate of approval from Foods & Drugs Department needs to be submitted before applying for B.C.C. & D.C.C. if applicable.
 - 4) Final Fire NOC from Deputy Engineer (SPA) MIDC, Drainage Sub-Divn., Tarapur
- 6) Overhead water storage tank having capacity of 450 liters per W.C. & Urinal shall be provided & is must.
- 7) Necessary approach road to the plot from the edge of the MIDC road shall be provided with a cross drainage pipe having minimum diameter of 900 mm or a slab drain as per site condition & as approved by the Executive Engineer. Necessary approach as above shall be done before starting any main activities over the plot and shall be shown to the Executive Engineer or Deputy Engineer or his authorized representative before starting the work on the plot.
- 8) The temporary structures shall be allowed except during construction period for which prior approval from the Deputy Engineer is must & it shall be demolished immediately within one month of the building construction as approved.
- 9) During the period of construction, stacking of material required for the construction purpose shall be done only in the plot area allowed. In no case, materials be stacked along MIDC land/road or open plot without prior approval from the Executive Engineer.
- 10) The boundary mark demarcating the boundary of the plot shall be properly preserved & kept in good condition & shown to the department staff as & when required.
- 11) No tube well, bore well or open well shall be constructed by the plot holder without prior written permission.
- 12) The work of water supply & drainage shall be carried out through the Licensed plumber only as per water supply regulations of the department for which separate approval shall be obtained from the Executive Engineer, prior to construction.
- 13) Plan for any future addition, alterations & extensions, will have to be got approved from the Executive Engineer, as well as departments competent to do so.
- 14) The present approval to the plans does not pertain to approval to the structural design & RCC chambers, foundations, etc. It is only location approval to the structure with reference to the plot.
- 15) In case of power lines, if any passing through the plot, the plot holder shall approach M.S.E.B. & obtain a letter specifying the vertical & horizontal clearance to be left & plan his structure accordingly. Install C.T.P.T unit within the plot.
- 16) Whenever a compound wall & gate is constructed, the gates should open inside the plot & if the plot is facing one, two or more sides of the road, then the gate shall be located at least 15.00 m. from the corner of junction of roads width of gate shall not be less than 4.50 m wide.

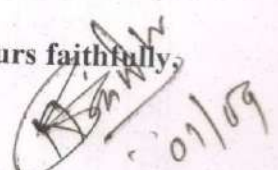
- 17) a) The waste effluent from the treatment work shall be connected a soak pit if sewer lines/drainage collection systems are not available in the area.
- b) In case where sewerage of effluent collection system of MIDC, is available & is functioning, the factory effluent & sewerage shall be connected to drainage manholes after getting prior approval from the Executive Engineer.
- c) Further effluent or sewerage to be let out or connected to drainage collection system of MIDC from the individual factory, shall be treated & brought to the standard laid by Maharashtra Prevention of Water Pollution Board if Government of Maharashtra, after obtaining their consent under section 28 of the Act & subsequent "NO OBJECTION CERTIFICATE" from the same Department for connection to the collection system.
- d) The plot holder has to make his own arrangement for 24 hours storage of water as uninterrupted water supply cannot be guaranteed by the department.
- 18) In case, a water stream is flowing through the plot allotted to the Plot holder, the plot holder has to ensure that the maximum quantity of rain water that flows at the point of entry of stream is allowed to flow uninterrupted through the plot and upto the point of outflow of the original stream. The point of entry & exit of natural stream must not be changed. The detailed plan, sections & designs for allowing maximum expected discharge of rain water through the plot has to be furnished to this office & no work of filling of plot & diversion for nallas shall be undertaken from the Executive Engineer.
- 19) This permission stand cancelled if no construction work is started within 12 months from the date of issue of this letter. The date of starting construction work and date of completion must be informed to the Executive Engineer, in-charge immediately.
- 20) The breach of any of these stipulation shall render the plot holder liable for action as provided in MIDC Act, 1961 (III of 1962) & Regulation made there under & also terms of lease & schedule of penalties, prescribed by the corporation for this purpose.
- 21) Department has got powers to add, amend, vary or rescind the provisions or Regulations from time to time, as it may deem fit & the plot holder has to abide by these rules & regulations.
- 22) As soon as the building work is completed, the plot holder has to inform the Deputy Engineer. The work has to be got verified & obtained from the Deputy Engineer.
- 23) The allottee are requested to inform the Deputy Engineer, concerned for checking the layout of the building when the plinth of the building is completed & this is a must.
- 24) This approval is subject to permission of competent authority under Urban Land (Ceilling & Regulations) Act of 1976, if applicable.
- 25) The basement if provided is to be used only for storage purpose. No manufacturing activities are allowed Provision of toilet is now allowed at the basement.

- 26) The allottee within a period of one year from the date of the plans has to plant trees in open marginal space at the periphery of the plot at his own cost. The plantation shall be one tree for 100 sqm. of plot area & one tree at a distance of 15.00 m. on front edge of road or part thereof & when the trees so planted, shall be maintained in good condition through the term.
- 27) Provide Fire Equipments as per Fire departments requirements.
- 28) Permit fees already paid Rs. 1000.00 paid vide T.R.No.000260, dt. 01/07/2014.
- 29) Development charges of Rs.9,137/- paid vide T.R.No.000260, dt. 01/07/2014.

Thanking you,

D.A:- One statement showing
details of drawings approved.

Yours faithfully,


Deputy Engineer,
MIDC Drainage Sub-Div.
(SPA) Tarapur

- * Copy submitted to the Ex. Engineer, MIDC Dn.No.1, Thane for favour of information Please.
- * Copy submitted to Regional Officer, MIDC Regional Office, Thane.
- * Copy f.w.c's to D.E, E & M Sub-Divn., Tarapur.
- * Copy to Guard file (SPA)

MAHARASTRA INDUSTRIAL DEVELOPMENT CORPORATION
(A GOVERNMENT OF MAHARASTRA UNDERTAKING)

C-56185

This statement is accompaniment to letter No. IFMS/DE/SPA/TRP/----- of 2014 dated 01/09/2014. Issued by the Deputy Engineer MIDC, Drainage, Sub-Division, Tarapur, addressed to M/s. Panjab Chemical & Crop protection for Plot No. H-4/2 in Tarapur Industrial Area.		Name of Units reference to floor wise area in square meters									
SR. NO	Dwg. No. & Date	Name of Architect	Description	BSM/Free of FSI	GR Floor in m2	Mezz. Floor/Loft in m2	1st Floor in m2	2nd Floor in m2	3rd Floor in m2	Addl. Floor in m2	Total of 5 to 10 in m2
1	2	3	4	5	6	7	8	9	10	11	12

1) Previous plan approved issued by this office vide letter No. DE/SPA/TRP/47, dt. 01/04/2009 & DE/SPA/TRP/48, dt. 01/04/2009 may be treated as cancelled, as the party has submitted revised drawings for approval											
2) Previous BCC approved by this office letter No. 155, dt. 09/01/2003 & No. 1193, dt. 22/04/1993 is as below											
1			Plot No. E-51/1&2 BCC/DCC vide No. 155, dt. 09/01/2003	-	2259.44	-	575.93	464.92	-	-	3300.29
			Plot No. E-52 BCC/DCC vide No. 1DE/TW/1993, dt. 22/02/1993		843.21		121.77				964.98
			Additional Approved vide letter No. DE/TW/37, dt. 06/10/1993		18.31						18.31
			Total (A)		3120.96		697.70	464.92			4283.58
			To be demolished Area (B)	-	-1499.78	-	-325.61	-203.84	-	-	-2029.23
			Net Area (A+B)		1621.18		327.36	261.08			2254.35

MAHARASTRA INDUSTRIAL DEVELOPMENT CORPORATION
(A GOVERNMENT OF MAHARASTRA UNDERTAKING)

Sr.No.	Dwg.No & Date	Name of Architect	Description	Name of Units reference to Floor wise Area in square meters								Total of (col. 5 to 11 in m2)
				BSM/Stilt in m2	Plinth/Gr. Floor in m2	Mezz Floor in m2	1st Floor in m2	2nd Floor in m2	3rd Floor in m2	Floor in m2	Addl. Area in m2	
1	2	3	4	5	6	7	8	9	10	11	12	12
			B/F from Page No.1	..	1621.18	..	327.36	261.08	...	...	...	2254.35
			New approval									
1	01 to 13	Mr.Haresh Shroff, Surat	Boiler, Godown, ETP, Cooling Tower etc...	652.93	3098.98		1230.94	1050.94	333.79	505.75	6873.33	
				652.93	4720.16		1558.30	1312.02	333.79	..	9127.68	

1) PLOT AREA

$$= 23454.00 \text{ m}^2$$

2) FSI

$$= \frac{9127.68}{23454.00} = 0.389 < 1.00 \text{ Hence OK}$$

3) PERMISSIBLE BUILT UP AREA = 23454.00 m²

4) APPROVED BUILT UP AREA =

$$9127.68 \text{ m}^2$$

5) BALANCE BUILT UP AREA =

$$14326.32 \text{ m}^2$$

6) PERMISSIBLE 50% PLINTH AREA 11727.00 m²

7) APPROVED PLINTH AREA =

$$4720.16 \text{ m}^2$$

8) BALANCE PLINTH AREA =

$$7006.84 \text{ m}^2$$

Deputy Engineer

MIDC, Drainage, Sub-Divn.,
Tarapur

(Signature)
1/10/99

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437 / 4014701 /

4020781

Fax : 4024068 / 4023516

Website : <http://mpcb.mah.nic.in>

E-Mail : ast@mpcb.gov.in



KALPATARU POINT, 3rd Floor,
Sion-Matunga Scheme Road No.8,
Opp. Sion Circle, Sion (East)
Mumbai-400 022.

No.BO/AS(T)/Amend/CC- 3230

Date : 8 /08/2014.

AMENDMENT TO CONSENT

Sub.: Amendment to the Consent to Operate granted to M/s Punjab Chemicals and Crop Protection Ltd., Plot No. E-51/1 & 2/52, MIDC Tarapur, Tal. Palghar, Dist. Thane.

- Ref.: 1) Board's Consent Order No. Format 1.0/BO/AS(T)/TN-14/R-A/GEN-5846 dtd. 20/06/2014.
- 2) M/s Punjab Chemicals and Crop Protection Ltd.'s letter No. PCCPL/MPCB/NaHS/2014-15/002 dtd. 15/07/2014 & letter No. PCCPL/MPCB/CON/2014-15/003 dtd. 15/07/2014.
- 3) M/s UPL Ltd.'s request letter No. UPL/MPCB/CON/2014-15/003 dtd. 15/07/2014 & letter No. UPL/MPCB/CON/UT/2014-15/004 dtd. 28/07/2014

Consequent upon the cleaner production initiatives and change of name of the industry and request letters referred at ref. No. (2) & (3) above for amendment in the Consent, the original Consent to Establish granted u/s 26 of the Water (Prevention & Control of Pollution) Act 1974, u/s 21 of the Air (Prevention & Control of Pollution) Act 1981 and Authorization / Renewal of Authorization under Rule 5 of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008 vide reference (1) above is amended and

1. The name of the industry shall be read as M/s UPL Limited.
2. The permitted quantity of treated effluent discharge into CETP at condition No. 4 (1) shall be read as 36.3 CMD.
3. Conditions under Hazardous Waste (M,H & TM) Rules, 2008 for treatment and disposal of hazardous waste at condition No. 6 shall be read as:

-2...



:2:

- 1) The Industry shall handle hazardous wastes as specified below:

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
1	Distillation residue	20.3	117	MT/Y	-	CHWTSDF
2	Discarded containers	33.3	400	Nos./Y	-	Sale to MPCB Authorized party
3	ETP sludge	34.3	300	Kg/M	-	CHWTSDF
4	30% NaHS Solution	C-13 (Schedule-II)	5.6	KLtr/D	-	Sale to MPCB Authorized party

All other conditions of the above referred Consent shall remain unchanged.

For and on behalf of the
Maharashtra Pollution Control Board



(Signature)
(P.K. Mirashe)
Assistant Secretary (Tech.)

Copy to :

1. Regional Officer (Thane)/ Sub-Regional Officer (Tarapur-I), M.P.C. Board, Thane.
2. Accounts Officer, CESS Branch, M.P.C. Board, Mumbai.



Maharashtra Industrial Development Corporation
(A Government of Maharashtra Undertaking)
(Issued Subject to MIDC's water Supply Regulation 1973)

Water Bill



CONSUMER COPY

Consumer No. : DV001/174TRP/112

Issued Date : 03-10-2016

Tarapur

Bill No : S117_00067267

Month / Year : September, 2016

PUNJAB CHEMICALS and
CROP PROTECTION LTD

Consumer Type: 181

Meter Size: 40

Deposit Amt

Plot / Shed Area: 23,454.00

Min. Qty/ Day: 20.00

229,942.00

Plot / Shed No: E-51/1&2 ~

Min. Qty / Month:

Add. Sec. De

Block No:

Sanction Qty / day:

Meter Status: Working

E-51/1, E-51/2 & E-52MIDC,
TARAPUR INDI

Zone: 1

Stand Chg:

AREATARAPURPALGHAR

Cap. Contribution:

Boc: Yes Office Order: dtd

CarpetArea: 0.00

CETP: Yes Office Order: dtd

SSI: N

ETP: N

CETP: N

MPCB: N

Env: No Builtup Area: 23,454.00

Previous
Balance

Current Charges

Amount Due Before
Due Date

Amount Due After
Due Date

Due Date

0.00

96,898.00

96,898.00

98,370.00

17-10-2016

Meter No /
Size

Previous

Current

Water Qty: Cub. Meter

Remarks (If Any)

4011095

Reading

Date

Reading

Date

2800

01-09-2016

5318

01-10-2016

2518

40

August 2016 2,214.00 July

2016 586.00 June

2016 0.00

September 2015

REGULAR

Charges Code

CHARGES

DPC

CURRENT #

PREVIOUS ##

CURRENT #

PREVIOUS ##

Water Charges_L

47,842.00

0.00

651.00

0.00

19.00*2,518.00*1

Tima Charges
WBS

881.00

0.00

12.00

0.00

0.35*2,518.00

TEPS Charges

17,626.00

0.00

240.00

0.00

7.00*2,518.00

Service Charges

8,795.00

0.00

0.00

0.00

(Plt = 23,454.00 * Rt = 4.50)

Fire Charges

1,955.00

0.00

0.00

0.00

(23,454.00 * 1.00)/12

Env Charges

5,350.00

0.00

61.00

0.00

(Wtr = 2,518.00 * Rt = 0.50) + (Area = 23,454.00 * Area Rt = 0.20)

Drainage Charges

13,849.00

0.00

188.00

0.00

Wtr = 2,518.00 * Rt = 5.50

TOTAL

96,898.00

0.00

1,172.00

0.00

LAST PAYMENT DETAILS Rcpt. No

17TAR_00004594, 12-09-2016, 87,064.00

Date

PAID
103606
08/10/2016
By

Please Contact Us
Twitter @Midc_India
FaceBook - midcindia

DEPUTY ENGINEER M.I.D.C.

Rupees : Ninety Six Thousand Eight Hundred and Ninety Eight Only

For Online Payment visit MIDC web site www.midcindia.org and use Consumer
No. DV001/174TRP/112

Cheque / DD/ PO should be drawn in favour of
Executive Engineer MIDC, Thane 1

Payment Timings : 10:30:00 am to 01:30:00 pm, Closed on Saturdays
Sundays and Public Holidays. For any queries, contact Deputy
Engineer, MIDC, Phone No.

FORM No. 7

[Prescribed under Rule 18(7)]

HEALTH REGISTER

(In respect of person employees is occupations declared to be dangerous operations under section B7)

Company Name:- **UPL LIMITED, TARAPUR.**Fitness Checkup Period **08-Jul-17 To 07-Jul-18**

Name of Certifying Surgeon:

Dr. P. V. BATTALWAR

Sr.No	Emp Code	Employee Name	Sex	Age	Date of Empl	Nature of Job or Occupation	Raw Material or Bye Product handled	Employee Fit	Signature of Certifying Surgeon
1		SACHIN KOSTEKAR	Male	29				Fit	
2	WORKER	NARENDRA MORE	Male	31				Fit	
3	TRAINEE	PRAVIN BHOLANE	Male	31				Fit	
4	WORKER	SAMIR SUTE	Male	28				Fit	
5	TRAINEE	HARSHAD DAKI	Male	23				Fit	
6	WORKER	SUNIL GAIKWAD	Male	45				Fit	
7	STAFF	PRADIP PAL	Male	30				Fit	
8	TRAINEE	CHANDRADEEP SHARMA	Male	26				Fit	
9	TRAINEE	KAILASH GAWALI	Male	33				Fit	
10	STAFF	SANTOSH TIWARI	Male	39				Fit	
11	TRAINEE	VINOD WADILE	Male	33				Fit	
12	TRAINEE	MAHENDRA RATHOD	Male	49				Fit	
13	STAFF	NITIN YESANKAR	Male	32				Fit	
14	TRAINEE	SUCHIT S. MORE	Male	29				Fit	
15	TRAINEE	PRAKASH PATIL	Male	47				Fit	
16	TRAINEE	RAMNATH AVHAD	Male	47				Fit	
17	STAFF	ASHVINI PANDYE	Male	30				Fit	
18	WORKER	BRIJESH KUMAR RAY	Male	32				Fit	
19		VIPUL PHAREKAT	Male	27				Fit	
20	TRAINEE	PRAVIN YADAV	Male	26				Fit	
21	TRAINEE	BOLI KALPADIYA	Male	37				Fit	
22	TRAINEE	RAMAKANT NAIK	Male	37				Fit	
23	WORKER	GANPATI B. PODAL	Male	49				Fit	
24	STAFF	NILESH BORSE	Male	36				Fit	

डॉ. प्रेमराज बटलवार
(स्वाक्षरी)

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे

पालघर जिल्ह्याकरिता दिनांक २५/१०/२०१६

पासून २४/१०/२०१८ पर्यंत.

प्राधिकृत प्रमाणपत्राचे पत्र क्र. ACS31 PB/2016

FORM No. 7

[Prescribed under Rule 18(7)]

HEALTH REGISTER

(In respect of person employees is occupations declared to be dangerous operations under section B7)

Company Name:- **UPL LIMITED, TARAPUR.**

Fitness Checkup Period **08-Jul-17 To 07-Jul-18**

Name of Certifying Surgeon:

Dr. P. V. BATTALWAR

Sr.No	Emp Code	Employee Name	Sex	Age	Date of Empl	Nature of Job or Occupation	Raw Material or Bye Product handled	Employee Fit	Signature of Certifying Surgeon
25	TRAINEE	NIMAI AHIR	Male	33				Fit	
26	TRAINEE	MAHENDRA KOLTE	Male	32				Fit	
27	TRAINEE	YUVRAJ PATIL	Male	33				Fit	
28	TRAINEE	GAURAV VARMA	Male	31				Fit	
29		SOMNATH DUDHAMBE	Male	36				Fit	
30	TRAINEE	DINESH KUMAR PAL	Male	30				Fit	
31	WORKER	MANOJ KHALANE	Male	32				Fit	
32	TRAINEE	SACHIN KOLHE	Male	28				Fit	
33	TRAINEE	NILESH SHELKE	Male	29				Fit	
34	TRAINEE	UMESH PATIL	Male	33				Fit	
35		MUKESH RAI	Male	20				Fit	
36	TRAINEE	DATTATRAY LANDGE	Male	35				Fit	
37	TRAINEE	SHRIKRUSHNA PRADHAN	Male	29				Fit	
38	TRAINEE	SUDHIR PATIL	Male	28				Fit	
39	STAFF	SANKRASAN BASANTIA	Male	41				Fit	
40	TRAINEE	DINANATH SARVEKAR	Male	29				Fit	
41	STAFF	SHARABANI SANYAL	Female	42				Fit	
42	STAFF	GAURANG PATEL	Male	29				Fit	
43		VIJAY TALEKAR	Male	35				Fit	
44	TRAINEE	MANOJ SANDHANSHIV	Male	33				Fit	
45	TRAINEE	PRASHANT PANDEY	Male	26				Fit	
46	TRAINEE	DNYANESHWAR SARODE	Male	41				Fit	
47	STAFF	DARSHAN PRAJAPATI	Male	29				Fit	
48	TRAINEE	ANKUSH DANDEKAR	Male	27				Fit	

डॉ. प्रेमराज बत्तलवार
(स्वाक्षरी)

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे

आहत आढल्याकरिता दिनांक २५/१०/२०१६

पासून २४/१०/२०१८ पर्यंत.

प्रामाणिक प्रमाणक शाल्यचिकित्सक डॉ. ACS31 18/2016

FORM No. 7

[Prescribed under Rule 18(7)]

HEALTH REGISTER

(In respect of person employees is occupations declared to be dangerous operations under section B7)

Company Name:-

UPL LIMITED, TARAPUR.Fitness Checkup Period **08-Jul-17** To **07-Jul-18**

Name of Certifying Surgeon:

Dr. P. V. BATTALWAR

Sr.No	Emp Code	Employee Name	Sex	Age	Date of Empl	Nature of Job or Occupation	Raw Material or Bye Product handled	Employee Fit	Signature of Certifying Surgeon
49	TRAINEE	MAHESH SUTAR	Male	34				Fit	 डॉ. प्रमराज बतलवार (स्वाक्षरी)
50	TRAINEE	NARESH NAG	Male	44				Fit	
51	TRAINEE	DIGAMBAR MAHAJAN	Male	31				Fit	
52	TRAINEE	AMIT KADAM	Male	29				Fit	
53	TRAINEE	NILESH SALUNKHE	Male	28				Fit	
54	TRAINEE	GAURAV TIWARI	Male	26				Fit	
55	WORKER	JIVAN BHOI	Male	45				Fit	
56	TRAINEE	HARIOM SHUKLA	Male	28				Fit	
57	TRAINEE	MOHAN JADHAV	Male	37				Fit	
58	STAFF	SACHIN GHAG	Male	28				Fit	
59	STAFF	NITIN SHAH	Male	51				Fit	
60		SHARAD SANKHE	Male	45				Fit	
61	STAFF	SWAMINATH PANDEY	Male	62				Fit	

डॉ. प्रमराज बतलवार

(स्वाक्षरी)

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे
 पालाघर जिल्ह्याकरिता दिनांक २५/१०/२०१६
 पासून २४/१०/२०१८ पर्यंत.
 अधिकृत प्रमाणन/अनुमति/नियंत्रक डॉ. ACS31 P/B/17-18

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे
 पालाघर जिल्ह्याकरिता दिनांक २५/१०/२०१६
 पासून २४/१०/२०१८ पर्यंत.
 अधिकृत प्रमाणन/अनुमति/नियंत्रक डॉ. ACS31 P/B/17-18

Prescribed under Rule 18(7)]

HEALTH REGISTER

(In respect of person employees is occupations declared to be dangerous operations under section B7)
 Company Name:- **CONTRACT EMPLOYEES- UPL LIMITED, TARAPUR.**

Fitness Checkup Period **08-Jul-17 To 07-Jul-18**

Name of Certifying Surgeon:

Dr. P. V. BATTALWAR

Sr.No	Emp Code	Employee Name	Sex	Age	Date of Empl	Nature of Job or Occupation	Raw Material or Bye Product handled	Employee Fit	Signature of Certifying Surgeon
1		VEDPRAKASH TIWARI	Male	23				Fit	
2		CHANDAN SINGH	Male	28				Fit	
3		RAMBETA SHUKLA	Male	22				Fit	
4		RATISH PATIL	Male	45				Fit	
5		VIKAS DVIDEDI	Male	24				Fit	
6		PRADEEP KUMAR	Male	26				Fit	
7		BIPIN YADAV	Male	26				Fit	
8		KAMLASHANKAR SAROJ	Male	42				Fit	
9		VINAY KUMAR SHARMA	Male	36				Fit	
10		RUD OMMEN	Male	27				Fit	
11		ASHISH KUMAR	Male	30				Fit	
12		VINOD KUMAR	Male	39				Fit	
13		ASHOK KUMAR SINGH	Male	35				Fit	
14		SHANKAR TAKLE	Male	36				Fit	
15		CHACKO VARGISH	Male	50				Fit	
16		BAMBAM YADAV	Male	22				Fit	
17		AKSHAY YADAV	Male	29				Fit	
18		RAJESH SHAHU	Male	29				Fit	
19		KAVINARAYAN LONDHE	Male	40				Fit	
20		KRISHNA YADAV	Male	31				Fit	
21		MANOJ G. KHANDEKAR	Male	30				Fit	
22		BIRBAL YADAV	Male	38				Fit	
23		VEDANAND YADAV	Male	37				Fit	
24		MOHAN SINGH	Male	35				Fit	

डॉ. प्रेमराज बतलवार
(स्वाक्षरी)

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे
पालघर जिल्हाकरिता दिनांक २५/१०/२०१६
पर्यंत २४/१०/२०१८ पर्यंत.
प्राधिकृत प्रमाण कारखाने अधिनियम क्र. ACS31 PB/2016

FORM No. 7

Prescribed under Rule 18(7)]

HEALTH REGISTER

(In respect of person employees is occupations declared to be dangerous operations under section B7)

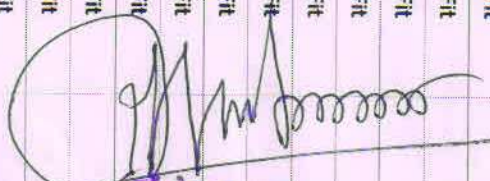
Company Name:-

CONTRACT EMPLOYEES- UPL LIMITED, TARAPUR.Fitness Checkup Period 08-Jul-17 To 07-Jul-18

Name of Certifying Surgeon:

Dr. P. V. BATTALWAR

Sr.No	Emp Code	Employee Name	Sex	Age	Date of Empl	Nature of Job or Occupation	Raw Material or Bye Product handled	Employee Fit	Signature of Certifying Surgeon
25		AJAY BIND	Male	19				Fit	
26		SONU SAROU	Male	18				Fit	
27		TULSIRAM SHARMA	Male	57				Fit	
28		VISHAL SIYARTS	Male	36				Fit	
29		SUMIT MAHTO	Male	21				Fit	
30		ARVIND YADAV	Male	29				Fit	
31		SUBHASHKUMAR	Male	23				Fit	
32		VIJAY M. KOLI	Male	24				Fit	
33		SANI B. PRAJAPATI	Male	21				Fit	
34		PRAMOD SAROU	Male	19				Fit	
35		RAMCHANDRA KUMBHAR	Male	51				Fit	
36		DEVIDAS DALVI	Male	40				Fit	
37		DAGADU KAMBLE	Male	55				Fit	
38		MARUTI TADAPE	Male	43				Fit	
39		SHARAD PATIL	Male	48				Fit	
40		RINKU CHAUDHARI	Female	30				Fit	
41		BHAGIRATHI KARMALA	Female	40				Fit	
42		LALU YADAV	Male	18				Fit	
43		RAMCHET YADAV	Male	42				Fit	
44		UMESH RAY	Male	22				Fit	
45		DILIP YADAV	Male	34				Fit	
46		SHAMRAJ KUNDER	Male	35				Fit	
47		ASHOK GITE	Male	27				Fit	
48		KETAN DUBALA	Male	24				Fit	


 डॉ. प्रेमराज बतलवार
 (स्वाक्षरी)

कारखाने अधिनियम १९४८ च्या कलाम १०(२) प्रमाणे
 पालथर झिल्ल्याकरिता दिनांक २५/१०/२०१६
 पासून २४/१०/२०१८ पर्यंत.

प्राधिकृत प्रमाण कालाचिकित्सक क्र. ACS31 PB/2016

FORM No. 7

[Prescribed under Rule 18(7)]

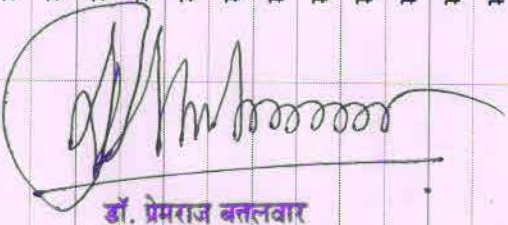
HEALTH REGISTER

(In respect of person employees is occupations declared to be dangerous operations under section B7)

Company Name:- **CONTRACT EMPLOYEES- UPL LIMITED, TARAPUR.**Fitness Checkup Period **08-Jul-17 To 07-Jul-18**

Name of Certifying Surgeon:

Dr. P. V. BATTALWAR

Sr.No	Emp Code	Employee Name	Sex	Age	Date of Empl	Nature of Job or Occupation	Raw Material or Bye Product handled	Employee Fit	Signature of Certifying Surgeon
49		ANAND DUBLA	Male	29				Fit	 डॉ. प्रेमराज बतलवार (स्वाक्षरी) कारखाने अभियंत्रण ११४८ व्या कलम १०(२) प्रमाणे पालघर जिल्ह्याकरिता दिनांक २५/१०/२०१६ पासून १४/१०/२०१८ पर्यंत. प्राधिकृत प्रमाण कशल्यचिकित्सक क्र. ACS31 PB/2016
50		VIKAS SAROU	Male	18				Fit	
51		RAVI PRAJAPATI	Male	24				Fit	
52		OMPRAKASH KAVANDAR	Male	26				Fit	
53		RAJENDRA PIMPLE	Male	40				Fit	
54		JALDHAR KUMAR	Male	25				Fit	
55		JITENDRA YADAV	Male	30				Fit	
56		RAJKUMAR CHAURASIYA	Male	25				Fit	
57		GAUTAM SINGH	Male	19				Fit	
58		RAMSAMAY RAJBHAR	Male	40				Fit	
59		VIJAY YADAV	Male	25				Fit	
60		NITIN NIMBHORKAR	Male	30				Fit	
61		SUJIT PANDEY	Male	23				Fit	
62		RAMNIWAS WALMIKI	Male	40				Fit	
63		VISHAL DHODHADE	Male	19				Fit	
64		AJAY BIND	Male	19				Fit	
65		SUBHASH SAROU	Male	44				Fit	
66		BALU RATHOD	Male	35				Fit	
67		BRAMHA VISHWAKARMA	Male	27				Fit	
68		OMPRAKASH SHAHU	Male	27				Fit	
69		DEEPAK SINGH	Male	24				Fit	
70		KANTESH YADAV	Male	25				Fit	
71		GAUTAM YADAV	Male	18				Fit	

Annexure-5

Charter on Corporate Responsibility for Environmental Protection – Pesticide Industry Compliance Report of UPL Limited, Unit # 10, Plot no.E-51/1, 51/2, 52, MIDC Notified Industrial Area, Tarapur, Tal. & Dist.- Palghar, Boisar, Thane, Maharashtra-401506				
Action Item			Status	Action Plan / Remarks
No	Description	Implementation by		
1	Segregation of waste streams	Mar-14	Implemented	Low COD streams: - from Boiler, Cooling Tower, Metribuzin Plant, Sewage effluent etc to ETP. Treated ETP water feed to RO followed by MEE. Treated effluent recycle back to process, cooling tower & green belt Development. Unit has implemented Zero Discharge since Aug-2017 - ETP :- Primary, secondary and tertiary treatment - High TDS & Low COD effluent –Evaporation - Toxic & organic COD – Common Incineration
2	Detoxification and treatment of high COD waste streams	Mar-14	Implemented	No high COD stream is generated from the plant and low COD Effluent stream is being treated in ETP & RO for further treatment and Permeate recycle back to process, cooling tower & green belt Development. . Unit has implemented Zero Discharge since Aug-2017
3	Improvement in solvent recovery	Mar-14	Implemented. We are using solvent in our Unit with solvent recovery above 96%.	---
4	By product recovery and utilization	Mar-14	Implemented	Not Applicable as of now.
5	Hazardous air pollutant control	Mar-14	Implemented	Process Scrubbers are provided for the process reactors and regular monitoring is done through third party (Gadark Lab PVT Ltd& KLEAN Laboratories and Research (P) Ltd) quarterly.
6	Control of fugitive emissions / VOCs	Mar-14	Implemented	Fugitive emission control – seal less pumps are used for transfer of solvent. In critical reactors, mechanical seals are also provided. Closed sampling system is also implemented. Suitable chilling system is provided to secondary condenser for VOC emission control. Regular inspection is carried out with reference to pumps, valves, pipes etc. As per the maintenance software – SAP – preventive maintenance of the plant.
7	Up gradation of incinerators	Not installed	Not installed	We are sending all incineration waste to common incinerator.
8	Replacement of Bio Assay Test with Toxicity Factor	Mar-14	Implemented	TF Factor Test Method implemented.
9	Minimum scale of production to afford cost of pollution load	--	--	Not applicable
10	Non complying units	--	--	Not applicable
For, UPL Limited				

Sharad Sankhe

Dy. General Manager – Manufacturing



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Cess Code: 7682

Industry Name: UPL LIMITED

Water Cess Return Form 1 for the month January 2018 (Submission Date: 03-03-2018)

Purpose for which water consumed	Source	Reading at the beginning of the calender month under Report	Reading at the end of last day of calendar month under the report	Quantity of water consumed in kiloliters	If meter was out of order the monthly average consumption of water of the previous 3 month of the working period	Quantity of water qualifying for rebate according to access
Industrial Cooling spraying In Mines Pits Or Boiler Food.	From Municipal water supply mains.	34632	37665	2019	0	0
	From Well / Tube Well.	0	0	0	0	0
	From Canal	0	0	0	0	0
	From River	0	0	0	0	0
	From Any Other Source	0	0	0	0	0
Domestic purpose	From Municipal water supply mains.	34632	37665	237	0	0
	From Well / Tube Well.	0	0	0	0	0
	From Canal	0	0	0	0	0
	From River	0	0	0	0	0
	From Any Other Source	0	0	0	0	0
Processin g whereby water gets polluted and the pollutants are easily Bio Degradabl e	From Municipal water supply mains.	34632	37665	777	0	0
	From Well / Tube Well.	0	0	0	0	0
	From Canal	0	0	0	0	0
	From River	0	0	0	0	0
	From Any Other Source	0	0	0	0	0
Processin g whereby water gets polluted and the pollutants are not easily bio-degradabl e and are toxic	From Municipal water supply mains.	0	0	0	0	0
	From Well / Tube Well.	0	0	0	0	0
	From Canal	0	0	0	0	0
	From River	0	0	0	0	0
	From Any Other Source	0	0	0	0	0

Annexure-7

Five Year CSR Planning for UPL Tarapur (Unit-10)

All CSR projects at Tarapur will be undertaken in six key focus areas and will be implemented according to company's CSR policy. Further a deep need analysis study will be conducted to clinically understand the need of society, to estimate their causes and to make action plan for addressing those needs.

Six Key focus area of UPL CSR:

- 1) Agriculture Development
- 2) Health & Sanitation
- 3) Environment & Nature Conservation
- 4) Education & Empowerment
- 5) Employability & Entrepreneurship
- 6) National & Local Area needs

Summary Five year annual Budget

Sr. No.	Key Focus Area	Project	Budget (Rs)
1	Agriculture Development	UPL KhedutPragati @ Tarapur	67,42,381.00
2	Health & Sanitation	UPL School Sanitation	1,75,97,615.00
3	Environment & Nature Conservation	UPL Social Forestry	1,70,58,224.00
4	Education & Empowerment		67,42,381.00
5	National & Local Area needs	As per need assessment	94,39,334.00
Total			5,75,79,935.00

1. Agriculture Development (UPL KhedutPragati)

UPL KhedutPragati Program is an Agriculture Development initiative implemented by the CSR department of UPL limited. This programme is mainly focused on agriculture development because agriculture is the backbone of rural India. More than 70% of the total population is dependent directly or indirectly on agriculture for its subsistence. Considering the situation surrounding Tarapur villages, multiple agriculture projects will be carried out under the umbrella of "UPL KhedutPragati"

Goal

"To enhance food security and improve the socio-economic conditions of small holders and marginal farmers by providing sustainable agricultural solutions in a period of 5 years"

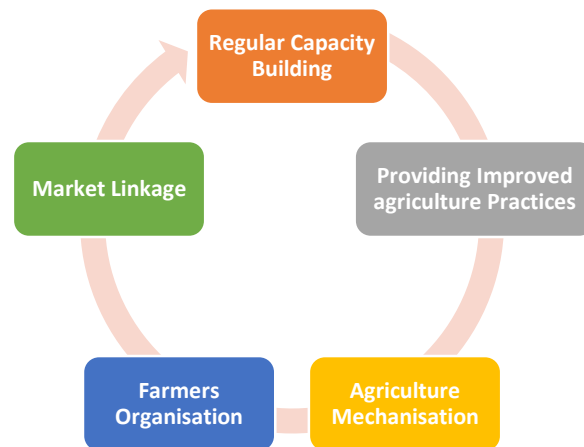
Objectives:

- ✓ To increase the knowledge of farmers by training and awareness campaign

- ✓ To improve the agriculture productivity by introducing best package of practices in agriculture
- ✓ To enhance the water use efficiency by providing innovative irrigation practices (Drip/Sprinkler/lift irrigation etc)

Strategy:

UPL KhedutPragati will be based on making the agriculture more sustainable and profitable venture for the farmers through increasing the yield of agriculture produce, reducing the cost of cultivation and better management of natural resources. The strategy which was adopted to execute is detailed below:



2. Health and Sanitation

We will work on UPL School Sanitation Programme by making toilet blocks in surrounding schools. When we work on sanitation programme the Building toilets is only the beginning and possibly the easiest part. To make it sustainable sanitation programme we will also work on 5 major issues

- a) A toilet has no meaning without availability of water – Even though it would add first to the overall initial investment. We will ensure water facility is connected to school toilet complex.
- b) The second important issue is changing hygiene habits of kids going to school. Merely providing a toilet in school might not work when the kid is used to answering nature's call in the open fields. Even teachers have that habit. We will work on behavioral aspect.
- c) The third issue is maintaining the toilets, keeping the soak pits clean for instance so that it doesn't becomes breeding ground for germs and diseases. This can be done by having a token fee of Rs 1 per month, which goes in funding the maintenance. This is important because after the initial thrust School toilet has to be self-sustaining and not supported only through external financial aid.
- d) The fourth issue with school toilets is about ownership. How to make the students responsible for the process? The idea is to make teacher and student owner of school toilet. We will have something like a cabinet, with say one of the students appointed as health minister who would be responsible with his school mates to run the show.
- e) The fifth and final is designing the toilets of the future. For instance, having a biogas unit (technologies to convert sludge-to-energy, having horticulture to use water, working in new toilet technologies like new pit latrines, septic tank emptying technologies etc.

3. Vasudha Programme (Environment & Nature Conservation)

The strategy envisaged for Nature Conservation is called as UPL Vasudha Programme. Vasudha in Sanskrit means the Mother Earth, the giver of wealth. The UPL Vasudha Programme is aiming for integrated nature conservation project involving all stakeholders.

UPL Social Forestry - To enhance the biodiversity by increasing the forest cover which will give sustainable livelihood opportunity to local community”.



Eco Club Project - This is an initiative to make the young generation aware about the importance of protecting nature and maintaining ecological balance. These clubs are formed in schools and students participate in environment related activities through these clubs.

4. Education & Empowerment

We will go for School Development Programme and will have provision for infrastructure support to government school to enhance the access and to provide enabling condition for quality education. Infrastructure support can be in the area of

Up gradation of school

- ✓ Providing class rooms with furniture, library, Integrated Laboratory, Computer room, Head Art and Craft room, Toilet Blocks, Drinking water etc.
- ✓ Strengthening of existing schools through construction of additional classrooms, Laboratories, Library ,computer room, separate toilets for girls and boys, resource room for Science, etc
- ✓ Vocational Education related workshops
- ✓ Major repair for school building

This will be a need based initiative and as per availability of funds

5. Local area Need

Being a responsible corporate citizen, UPL always respond to address the local area need by undertaking development initiative to help our community grow. We do all need based activity for community around our factory sites

Our focus area will include:

- ✓ Response to Natural Disaster
- ✓ Suraksha Abhiyan (Road safety, Girl Safety and Industrial Safety)
- ✓ Support of Non-Financial Aid
- ✓ Any other Development Activity

Narendra Vaidya
11, Murli Vihar CHS
Tilak Nagar
Dombivli(East)-421201

PAN No-
GST No-

ACMPV7900Q
NA

QUOTATION

UPL Limited
PLOT No-10
MIDC Tarapur
Dist Palghar, MS
Dear Sir,

QUOTATION No UPL/17/001
Date 10-12-2017

We are pleased to offer the following services as required by you after my visit to your facility

Scope of work

Amount (Rs.)

Documentation and implementation of ISO14001:2015 MS
Documentation covered is Apex Manual and departmental manuals
Preparation of EIA Register, setting up of Environmental Objectives,
OCP, M&M procedures, Env ERP plans. Legal register and updation.
Preparation of risk register.

~~150000~~

Awareness training programmes for key staff

1 complete internal audit cycle.

offline support during external audit.

Total 20 Mandays site visit.

Documentation and implementation of ISO18001:BS MS
Documentation covered is Apex Manual and departmental manuals
Preparation of HIRA Register, setting up of HS Objectives,
OCP, M&M procedures, Env HS plans. Legal register and updation.

~~1,50,000~~

Awareness training programmes for key staff

1 complete internal audit cycle.

offline support during external audit.

Total 20 Mandays site visit.

Schedule of payment 30% advance, 25% on completion of training and key documentation,

25% on completion of internal audit, 20% upon certification audit.

Travel, accommodation and other facilities needed for delivery of service to be provided by UPL Ltd.

Road map for achievement of scope of work to be prepared during first visit target date March 2017

Negotiated a final quote

~~3,00,000~~

~~2,65,000~~

22/11/17

[Signature]
Authorized Signatory

*Negotiated today for
2.65 L
[Signature]
22/12/2017*

*Final negotiation
at Rs. 2.65 L
[Signature]
22/12/17*



TARAPUR ENVIRONMENT PROTECTION SOCIETY

Incorporated under Section 25 of Companies Act, 1956
(vide Regn.No. U 91990 MH 2004 NPL 148221)

Reg. Office & work Site : Plot No. AM-29/ Pt, Nr. Shivaji Nagar,
MIDC Tarapur, Dist. Thane Pin-401 506

Ph. (02525) 325 656 / 205013

E-mail : teps123_cetp@yahoo.co.in

Ramesh D. Poddar
CHAIRMAN

Prakash M. Patil
VICE CHAIRMAN

S. B. Shetty
SECRETARY

Ashok M. Saraf
TREASURER

TEPS/UPLL/04-30/2015/06

Date: 30 April, 2015

To,

M/s. UPL LTD.

Plot No. E-51 & 2 & E-52, MIDC, Tarapur,
Boisar, Dist.-Palghar

Sub.: Registration of New Membership of the company due to Transfer of Membership.

Dear Sir,

This is with regard to your letter dated 12.01.2014 requesting Transfer of Membership from **M/s. Punjab Chemicals & Crop Protection Ltd.** to **M/s.UPL LTD.** in respect of plot no. E-51 & 2 & E-52 at MIDC Tarapur.

As directed, we are pleased to inform you that the Board of Directors of the Company at their meeting held on 26.02.2015 have considered & approved the transfer of membership from **M/s. Punjab Chemicals & Crop Protection Ltd.** to **M/s.UPL LTD.** on the basis of the documents and information furnished by you.

We would like to further inform you that as per the Direction of Board of Directors of the Company, you are requested to pay **Rs.8,23,650/-** on the basis of consented water consumption of **M/s. Punjab Chemicals & Crop Protection Ltd.** plot no. **E-51 2 & E-52** of **114 m³ per day @ Rs. 7,225/- per m³.**

Thanking you,

Yours Faithfully,

For **TARAPUR ENVIRONMENT PROTECTION SOCIETY**

K.B. Pujari
(Authorized Signatory)



*Recd
30/05/2015*



Towards sustainable growth

bsi.

Mumbai Waste Management Limited

Certificate

M/s. UPL Ltd.

is a registered member of

CHW-TSDF at MIDC, Talaja

for safe & secure disposal of

Hazardous Waste.

Membership no.: MWML - HZW - TAR - 1109

This Certificate is valid up to

March, 31st, 2020

Somnath Malgar
Head - MWML

Dinkar Adhavi
Director



भारत सरकार
पर्यावरण एवं वन मंत्रालय
Government of India
Ministry of Environment & Forests
(IA Division)

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi - 110 003

E-mail: hsmalviya@gmail.com

Telephone: 011: 24367076

F. No. J-11011/712/2007-IA II (I)

April 15, 2008

To

M/s Punjab Chemicals and Crop Protection Ltd.
Plot No. 51/1, MIDC, Tarapur, Boisar, Thane,
Maharashtra

Sub : Manufacturing of Additional Pesticides at Plot No. 51/1, MIDC, Tarapur, Boisar, Thane, Maharashtra by M/s Punjab Chemicals and Crop Protection Ltd. - Environmental Clearance reg.

Sir,

This has reference to your letter no. nil dated 27.6.2007 along with application in Form-I, EIA/EMP report and project feasibility report seeking environmental clearance for the above project under the Environment Impact Assessment Notification, 2006 and subsequent submission of hazard identification and risk assessment report vide your letter no. nil dated 19th March, 2008.

2. The Ministry of Environment and Forests has examined the proposal and noted that the proposal is for environmental clearance for expansion of pesticides manufacturing unit at Plot No. 51/1, MIDC, Tarapur, Boisar, Thane, Maharashtra by M/s Punjab Chemicals and Crop Protection Ltd. The existing plot area is 13,500 Sq. m and an adjacent plot of 10,500 Sq. m is acquired for the proposed expansion. Total Cost of the project will be Rs. 16 Crores. The details of existing and proposed products are as follows:

S.No.	Name of the Products	Capacity (MTM)
Existing Products		
1	Phosphorous Trichloride (PCl ₃)	175
2	Phosphorous Oxychloride (POCl ₃)	75
3	Phosphorous Acid (60% Solution)	12.5
4	Dipotassium Hydrogen Phosphate (DPHP)	12.5
5	Oxalyl Chloride	10.0
6	HCl	300
Proposed Products		
7	Cypermethrin Acid Chloride	60
8	Acephate	75

3. The Company will install a 4T/hr boiler to meet the demands of both existing & proposed plant. The existing two boilers of 600 kg/hr capacity will be standby and the existing 1500 kg/hr boiler will be dismantled. The boilers will have 36 and 30 m high stacks. Old DG Set of 125 KVA will be replaced by new DG set of 250 KVA and will only be used in emergencies. Thus, there will be no additional fuel required in the proposed expansion. Three new scrubbers will be installed with process vents. HCl, SO₂, Cl₂, CO/CO₂ generated from the process shall be scrubbed in appropriate scrubbers. Scrubber using chilled hexane and demister shall be provided for scrubbing of Isobutylene.

4. The water (385.5 KLD) will be sourced from MIDC, Surya Water Reservoir. The waste water (44.9 KLD) will be treated in a newly constructed 3 stage ETP before discharging into CETP Tarapur. Segregation of waste streams shall be carried out. Detoxification of waste stream using solvent extraction and hydrolysis shall be carried out. Domestic sewage will be treated with industrial effluent. Additional retention time for waste water shall be given for degradation of Cypermethrine.

5. The pesticides and pesticides specific intermediate (excluding formulation) are listed at 5 (b) in the Schedule of EIA Notification, 2006 under "A" Category. The proposal was considered and appraised by EAC(I) in its 75th meeting held during 28th – 30th November, 2007. No Public Consultation will be required as per Para 7(i) III. Stage (3) (b) Public Consultation of EIA Notification 2006.

6. 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 14th September 2006 subject to the compliance of the following Specific and General conditions:

A. SPECIFIC CONDITIONS:

- (i) The company shall comply with all the recommendation given in the hazard identification and risk assessment report with respect to all the chemicals.
- (ii) The gaseous emissions (SO₂, NO_x, HCl, Cl₂, CO, HC and VOC) along with SPM 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.
- (iii) The company shall provide the monitoring arrangement with all the vents for monitoring of (SO₂, NO_x, HCl, Cl₂, CO, HC and VOC) along with PM, SPM and RSPM and reports shall be submitted to the SPCB, CPCB and Ministry's Regional Office at Bhopal.



- (iv) Standards notified for pesticides unit under the Environment (Protection) Act, 1986 and amended time to time shall be followed by the Unit.
- (v) The height of stacks shall be as per the CPCB guidelines. For control of process emissions like HCl, Cl₂, SO₂, etc. high efficiency scrubbers shall be provided with each reactor.
- (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.
- vii) 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%.
- viii) 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.
- ix) Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits imposed by MPCB.
- x) For control of fugitive emission and VOCs following steps shall be followed :
 - A. Closed handling system shall be provided for chemicals
 - B. Reflux condenser shall be provided over reducer
 - C. Solvent handling pump shall be provided with mechanical seals to prevent leakages
 - D. System of leak detection and repair of pump/pipeline based on preventive maintenance.
 - E. Solvent shall be taken from underground storage tanks to reactors through closed pipeline. Storage tanks shall be vented through trap receiver and condenser operated on chilled water.



- xi) Use of toxic solvents like Methylene Chloride (M.C.) 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.
- xii) Bioassay test and toxicity index shall be carried out regularly for the waste water before and after treatment.
- xiii) All the storage tanks shall be under negative pressure to avoid any leakages. Breathers, N₂ 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 emissions. Chilled Brine based condensers shall be used to prevent VOC emissions. Solvent traps shall be installed wherever necessary.
- xiv) 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.
- xv) The project authority shall install effluent treatment plant to treat the wastewater up to the inlet norms of the CETP and shall obtain the membership of CETP for disposal of treated effluent and copy of the same shall be submitted to the Ministry and Ministry's Regional Office at Bhopal. The company shall maintain the valid membership.
- xvi) The Additional Chemical sludge from ETP (300 TPA), Distillation Residue (117 TPA) and Off-specification and discarded products shall be sent to MWML, Taloja for disposal. Cupric Chloride Catalyst (6.48 TPA) and discarded drums/bags (4500 Nos. per year) shall be sold to authorized recyclers.
- xvii) During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic waste and storm drains.
- xviii) The company shall make adequate arrangement for control of odour nuisance from the plant premises.
- xix) The adequate financial provisions shall be made in the budget of the project for implementation of the above suggested environmental safeguards. Fund so earmarked shall not be diverted for any other purposes.



- xx) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- xxi) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- xxii) 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 imparted.
- xxiii) Usage of PPEs by all employees/ workers shall be ensured.
- xxiv) The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).

GENERAL CONDITIONS

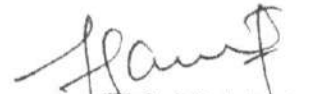
- i. The project authorities shall strictly adhere to the stipulations of the SPCB/state government or any statutory body.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations 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.
- iii. The project authorities shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended. Authorization from the SPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.
- iv. Ambient air quality monitoring stations shall be set up in the downwind direction as well as where maximum ground level concentration are anticipated in consultation with the State Pollution Control Board.
- v. For control of process emissions, stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided. The scrubbed water shall be sent to ETP for further treatment.
- vi. The company shall undertake following Waste Minimization measures :-
 - Metering of quantities of active ingredients to minimize waste.
 - Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.



- Maximizing recoveries
 - Use of automated material transfer system to minimize spillage.
 - Use of "Closed Feed" system into batch reactors.
- vii) 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 and Handling) Rules, 2003. Authorization from the SPCB shall be obtained for collections/treatment/ storage/disposal of hazardous wastes.
- viii. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) 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).
- ix. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the environmental management and monitoring functions.
- x. The project authorities shall provide rainwater harvesting system and ground water recharge.
- xi. The project authorities shall develop greenbelt in 33% of project area as per the guidelines of CPCB to mitigate the effect of fugitive emission.
- xii. The implementation of the project vis-à-vis environmental action plans shall be monitored by Ministry's Regional Office /SPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies.
- xiii. 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 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 Ministry's Regional Office.
- xiv. 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.



7. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
8. The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.
9. Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.
10. 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 Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.


(H.S. Malviya)
Joint Director

Copy to :-

1. The Secretary, Department of Environment and Forests, Govt. of Maharashtra, Mumbai - 400 001, Maharashtra.
2. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office, Link Road No.3, E - 5, Arera Colony, Bhopal - 462 016, M.P.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Maharashtra Pollution Control Board, Shri Chatrapati Shivaji Maharaj Municipal Market Building, 4th Floor, Mata Ramabai Ambedaker Road, Mumbai - 400 001, Maharashtra.
5. Adviser IA-II, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
7. Guard File.
8. Monitoring File.
9. Record File.


(H.S. Malviya)
Joint Director