



EXTRA

I G PETROCHEMICALS LIMITED

Date: 11th June, 2019

The Director
Ministry of Environment & Forests,
Paryavaran Bhavan,
CGO Complex,
New Delhi - 110 003

Sub: Submission of Six Monthly Environmental Clearance Compliance Status Report.
Ref.: Environmental clearances granted for expansion of petrochemical unit, by
MOEF&CC vides clearance no.

- 1) PA-I EXPANSION EC NO-J-11013/14/2007-IA II (I) dated: 12th June, 2007
- 2) PA-II EC NO -J-11012/78/96-IA dated 20th June 1997
- 3) PA-II & BENZOIC ACID EC NO- J-11011/994/2007/IA (II) I. Dated: 03.12.2009
- 4) PA-IV,MA-IV,BENZOIC ACID EXPANSION-PLASTICIZER EC NO J-1011/73/2016-IA-II (I), Dated : 18th July, 2017 & amendment in same is received on 20th February 2018
- 5) MA-III EC NO -J-11011/986/2007-IA -II(I) dated 2nd April 2008

Dear Sir,

With reference to the above we are submitting herewith our half yearly compliance status report as per condition stipulated in environmental clearance for period of Oct2018-March2019. We hope the above is to your satisfaction.


Thanking You,

Yours faithfully
FOR I. G. PETROCHEMICALS LTD

J K SABOO
EXECUTIVE DIRECTOR

CC to:

1. The CCF, Regional Office, Western Region, Ministry of Environment, Forests & Climate Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001
2. The Member Secretary, Maharashtra Pollution Control Board, 3rd floor, Kalpataru Point, Sion, Mumbai - 400 022.
3. Central Pollution Control Board, Parivesh Bhavan, Opp. VNC Ward office No. 10, Subhanpura, Vadodara- 390023.


14/6/19.
MAHARASHTRA POLLUTION CONTROL BOARD
Kalpataru Point, 3rd Floor, Sion Circle,
Opp. Cine Planet Cinema, Sion (E),
Mumbai - 400 022.
Tel: 24010437 / 24020781

JK SABOO

From: JK SABOO <jksaboo@igpetro.com>
Sent: Wednesday, June 12, 2019 4:19 PM
To: sureshmoefnagpur@gmail.com
Subject: Submission of Six Monthly Environmental Clearance Compliance Status Report.
Attachments: COMPLIANCE REPORTS.rar

Date: 11th June, 2019

**The Director
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(Track on www.indiapost.gov.in)
(Dial 1800 266 6868)

भारतीय डाक



India Post

ENO11951851IN IVR:6977811951851
SP TALDJA A.V. S.O (418288)

Counter No:1,13/06/2019,10:59
To:THE DIRECTOR,MINISTRY OF ENV
PIN:110003, Lodi Road ND
From:IGPL,TALDJA

Wt:712gms
Amt:141.60(Cash)/Tax:21.60

(Track on www.indiapost.gov.in)
(Dial 1800 266 6868)

भारतीय डाक



India Post

ENO11951848IN IVR:6977811951848
SP TALDJA A.V. S.O (418288)

Counter No:1,13/06/2019,10:59
To:CENTRAL POLLU,BORDS
PIN:370023, Subhanpura SO
From:IGPL,TALDJA

Wt:757gms
Amt:186.20(Cash)/Tax:16.20

(Track on www.indiapost.gov.in)
(Dial 1800 266 6868)

भारतीय डाक



Ref	PA-I EXPANSION EC COMPLIANCE REPORT OCT2018-MARCH2019 EC No. J-11013/14/2007-IAII (I) dated 12.06.2007.
To	IG Petrochemicals Ltd, T-2, MIDC Taloja
Status	PLANT EXPANSION COMPLETED IN THE YEAR 2008

It is noted that the proposal is for capacity addition of 26,110 MTA of Phthalic Anhydride to the existing 90,000 TPA by change in catalyst on 'No- Increase in Pollution Load' basis. The technology for the plant has been supplied by Lurgi of Germany. The unit PA - I was installed in 1992 with a capacity of 45,000 MTA and PA - II was set up in 1997 with the same capacity. PA - II was undertaken after the Environmental Clearance from the ministry. The expansion the capacity is due the proposed use of a new generation catalyst supplied by BASF of Germany which will increase the yield of product. For this purpose, PA- I will need de-bottlenecking while PA- II will be in a position to handle the extra load. The Maharashtra Pollution Control Board has issued Consent to Establish for the project on 16.09.2006. The cost of the project is Rs. 04.68 Crores.

This Environmental Clearance was obtained for debottlenecking of plant for capacity 26110 TPA. Consolidated Consent to Operate for existing Plant PA -I & PA - II as well as for expanded PA - III plant is obtained. Now production is started. Actual production details as per listed below:

Product	As per Environmental Clearances	As per Consent to Operate (2018)	Actual Production		Remarks
			APRIL2018-MARCH2019 full year	OCT2018-MARCH2019 6 months	
Phthalic Anhydride	PAI+PAII90000 MTPA PAI EXP 26110 MTPA PAIII 53000 MTPA	169110MT/A	158445 MT	77546 MT	• We are well within the prescribed limit of EC & Consent



Benzoic Acid	1000 MT/A	1000 MT/A	602MT	230 MT	
Power (Exported to Grid)	2.5 MW	2.5 MW	NIL		

Compliance to the conditions stipulated under Environmental Clearance granted by the Ministry of Environment & Forest, Government of India vide letter No. J-11013/14/2007-IAII (I) dated 12.06.2007 is complied.

The project activity is listed at 5 (f) in the Schedule of the EIA Notification, 2006 and is of 'B' Category being in the industrial area and shall not require Public Hearing. Based on the information provided by you, the Ministry of Environment and Forest hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September 2006, subject to the compliance of the following Specific and Generation condition

OK. Above condition is noted.

A. Specific Conditions:

i.	Due to this proposed de-bottlenecking, there will be a reduction in the generation of pollutants. The air pollution load will be reducing from 375.6 kg/hr to 366.50 kg/hr for PA-I and from 398.3 kg/hr to 336.40 kg/hr for PA-II. This will reduce the TOC in the scrubber outlet as inlet load will be reduced. Total DM water usage will be reduced from 3816 m³/hr to 3600 m³/hr due to reduced organics levels in the off gases.	We are regularly monitoring Air pollution through MoEF recognized laboratory. TOC monitoring reports for oct2018-march2019 are enclosed under ANNEXURE -II . We have also provided online monitoring system for stack emissions and effluent which is linked directly with CPCB /MPCB server for stack emissions as well as effluent. REFER ANNEXURE XVI FOR OCEMS DASHBOARD
ii.	The DM makeup water will further be reduced to 2348 m³/month from 2434 m³/month. The total effluent generation from both the plants will reduce from 2304 m³/month to 2088 m³/month.	Yes, Agreed. The total water consumption and effluent generation are under the consented quantities. Data on Actual Water Consumption & Waste Water Generation for October2018-March 2019 period is enclosed as ANNEXURE - III



iii.	There will be no change in the quantity of distillate residue generated. It will be disposed off as per the authorization from MPCB.	Yes, Agreed. Data on Residue Generation Oct 2018-March 2019 period is enclosed as ANNEXURE -IV
iv.	There will be no increase in Storage tanks.	There has been no change in Storage Tanks / Quantity.
v.	All other conditions prescribed by Ministry at the time of expansion of PA- II will be prevail.	Yes six monthly reports for all ECs are being submitted regularly ANNEXURE -V
vi.	Fugitive emissions, especially in the work zone shall be regularly monitored and records be maintained	Yes, Noted. Work zone monitoring reports for Oct2018-March2019 period are enclosed under ANNEXURE - II
vii.	Raw material will be stored in covered yards. Water sprinkling arrangement should be made in the raw material stock yard to control fugitive emissions.	Major Raw Material is o-Xylene which is liquid in nature. Stored in Storage tanks with sprinklers arrangement. The installation is CCOE approved. Photograph showing designated storage area for storage of raw material: o-Xylene are enclosed as ANNEXURE - VI
viii.	Acoustic enclosure will be installed to limit the noise levels below 85 dBA.	Yes, Enclosures have been provided at various Noise Generating locations. Monitoring Reports for the period Oct2018-March2019 are enclosed as ANNEXURE - II
ix.	The company shall strictly follow all the relevant guidelines of CPCB given from time to time.	Agreed / Is being done
x.	25% of the total land area will developed	Yes, we have developed green belt in company

	as green belt.	premises. Plan showing Green belt enclosed as ANNEXURE - VII .
xi.	The company shall harvest surface as well as rainwater from the rooftops of the building proposed in the expansion project and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.	Yes, we have installed rainwater harvesting at two locations and these are in operation. In 2018 rainy season we have recovered total of 3000m ³ of rain water from these two locations.
xii.	Occupational health surveillance program shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall be strengthened and the medical records of each employee shall be maintained separately.	<p>Yes, regular Occupational Health surveillance of the workers is carried out regularly as required under Factories act. A copy of form-VII Annual Medical Examination report of Workers is enclosed as Annexure-VIII A & Annexure VIII</p> <p>Company has well equipped Occupational Health center (OHC) with two beds located in its admin building.</p> <p>Company has a program of pre and post (periodic) medical checkups whereby all workers in hazardous operations are tested twice a year.</p>

B. General Conditions:	
i. The project authority must strictly adhere to the stipulations made by the concerned State Pollution Control Board (SPCB) and State Government.	Yes agreed. We have received Consent to Operate from Maharashtra Pollution Control Board vide no. Formate 1.0/ BO/CAC-Cell/UAN, No. 40425/2 nd CAC/1806000105



		Dated: 02/06/2018, Copy of same is enclosed as ANNEXURE - XV.
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Agreed. All subsequent expansions were carried out after obtaining Environmental Clearances from MOEF &CC
iii.	Regular Ambient Air Quality Monitoring shall be carried out. The monitoring stations will be set up in consultation with the SPCB. At least four Ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO₂ and NO_x are anticipated in consultation with the SPCB. It will be ensured that at least one monitoring station is set up in up-wind & down-wind direction along with those in other directions. On-line data for air emissions shall be transferred to the CPCB and SPCB once in six months. The instruments used for ambient air quality monitoring shall be calibrated regularly.	We are regularly monitoring Ambient Air Quality Monitoring through MoEF & CC recognized laboratory. Ambient Air Quality monitoring stations are set up as per guidelines of SPCB. Same are undertaken at industry premises. Ambient Air Monitoring Reports for Oct2018-March2019 period are enclosed as ANNEXURE - II
iv.	Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the SPCB. Regular monitoring shall be carried out for relevant parameters.	We are regularly monitoring effluent quality through MoEF recognized laboratory. Effluent monitored at intermediate stages of ETP. Inlet / Outlet of ETP monitoring Reports for the period Oct2018-March2019 are enclosed under ANNEXURE - II We have also provided online monitoring system for stack emissions and effluent which is linked directly with CPCB /MPCB server for



		stack emissions as well as effluent. REFER ANNEXURE XVI FOR OCEMS DASHBOARD
v.	Industrial waste water shall be properly collected and treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	Analysis being done as per MPCB consent norms and has been extended to cover all parameters as per GSR 422 (E). Reports for the period Oct2018-March2019 are enclosed under ANNEXURE - II
vi.	The overall noise levels in and around the plant area shall be limited within the prescribed standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.	Yes, above condition is complied with. We have provided enclosures, hood etc. to ensure noise level is under control. Regular ambient Noise monitoring is carried out within the unit and at fence level. All high noise generating sources are enclosed. Regular Noise Level monitoring undertaken. Reports for the period Oct2018-March2019 are enclosed under ANNEXURE - II showing compliance to in plant limits of 85 dBA and ambient noise std of 75 and 70 dBA.
vii.	Proper House Keeping and adequate occupational health programs shall be taken up. Regular Occupational Health Surveillance Programme for the employees and contract workers shall be carried as per the Factories Act and records shall be maintained properly for at least 30-40 years.	Yes, proper housekeeping and adequate occupational health programs are taken up regularly. Occupational Health surveillance of the workers is carried out regularly as required under Factories act. Company has well equipped Occupational Health center (OHC) with two beds located in its admin building. Details of OHC provided at site are enclosed as Annexure-VIII . Company has a program of pre and post (periodic) medical checkups whereby all workers in hazardous operations are tested



		twice a year. Note on Occupational health surveillance program enclosed as ANNEXURE - VIII
viii.	A separate environment management cell with full fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of a Senior Executive.	Environment Management looked after by President Production, directly reporting to Executive Director. Separate team under Dy Gen Manager (SHE) looks after safety ,health and environment related compliance.
ix.	Separate funds will be earmarked for the environmental protection measures and shall be used judiciously used to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.	Yes, we have provided separate funds for Environmental Protection Measures and we affirm that same will not be diverted for any other purpose, Budget for Environment Protection is enclosed as ANNEXURE - IX
x.	Concerned Regional Office of this Ministry / SPCB / Central Pollution Control Board shall monitor the implementation of the stipulated conditions. Six monthly compliance status report and monitoring data along with statistical interpretation shall be submitted to them regularly.	Yes, we are regularly submitting six monthly compliance report to the ministry / SPCB / CPCB. Please refer ANNEXURE - V for last submitted six monthly compliance report.
xi.	The project proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter	Yes, we had advertised in two local newspapers in vernacular language's such as Marathi at Navshakti & in English at Free Press Journal. Copy of advertisement is enclosed as ANNEXURE - X.



	are available with the State Pollution Control Board / Committee and may also be seen at Website of the Ministry and Forests at http://envfor.nic.in . The advertisement should be made within 7 days from the date of issue of the clearance letter and copy of the same should be forwarded to the Ministry's Regional Office at Bhopal.	
xii.	The project authority 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 land development work.	Not applicable
	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Yes, Agreed.
	The Ministry reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner.	Yes. Noted.



Ref	PA-II EC COMPLIANCE REPORT OCT2018-MARCH2019 EC No.J.11012/78/96-IA-II Dated 20 th June 1997
To	IG Petrochemicals Ltd, T-2, MIDC Talaja
For	Manufacture of Products like Phthalic Anhydride, Benzoic Acid and Power.
Status	PA-II PROJECT WAS COMPLETED AND COMMISSIONED IN YEAR 1998

EC Condition		status
i.	The project authorities must strictly adhere to the stipulations made by Maharashtra State Pollution Control Board and the state Government.	Combined Consent to Operate /Authorization from MPCB is obtained for existing units including expanded PA - III plant (ANNEXURE - XV).
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Yes, agreed. For further expansion (installation of new plants of Phthalic Anhydride/Maleic Anhydride/benzoic acid) we have received EC No J-11011/73/2016-IA-II(I) dated 18 th July 2017. We have also received Consent to Establish for the same from Maharashtra Pollution Control Board REF AXEXURE XX
iii.	The gaseous emission from the various process units should adhere to the air emission standards specified in Part D, Schedule VI of Environmental (Protection) Second amendment and Rules, 1993. For boiler stack the EPA norms as per Notification dated 27th February, 1996 should be	Regular stack / vent monitoring is being carried out through MoEF recognized lab. We have also provided online monitoring system which is linked directly with CPCB /MPCB server for stack emissions as well as effluent.



	<p>complied. In case the standards stipulated by SPCB are more stringent than the EPA norms, the industry should follow the above. At no time the emission should go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit the respective unit should <i>be</i> immediately put out of operation and should not be restarted until the control measures are rectified to achieve the desired efficiency.</p>	<p>REFER ANNEXURE XVI FOR OCEMS DASHBOARD</p>
<p>iv.</p>	<p>Ambient- Air quality monitoring stations should be set up in the downwind direction as well as at location- where maximum ground level concentrations are anticipated. These locations should be fixed in consultation with the State Pollution Control Board. The number of air quality monitoring stations and frequency of monitoring should be selected on the basis of mathematical modelling to represent short term ground level concentrations, human settlements, sensitive targets etc.</p> <p>Stack emissions from the process and boilers and incinerator should be monitored for SO₂, NO_x and SPM and record maintained. It is observed that SO₂ concentration in the ambient air is 64 micrograms per cubic meters. This along with emission from the plant is expected to exceed ambient air quality standards.</p> <p>In view of the above, project proponent should provide necessary enhancement/changes in stack design to ensure that SO₂ level in the ambient air, is maintained within the stipulated norms.</p> <p>Data on ambient air quality and stack emission from boiler should be submitted to this Ministry once in six months</p>	<p>Yes, the ambient air quality monitoring is carried out regularly in existing plants and same practice will be continued in future.</p> <p>REFER ANNEXURE II</p> <p>Regular stack / vent monitoring is being carried out through MoEF recognized laboratory. We have also provided online monitoring system which is linked directly with CPCB /MPCB server for stack emissions as well as effluent. REFER ANNEXURE XVI FOR OCEMS DASHBOARD</p> <p>The ambient air quality data is submitted along with 6 monthly EC compliance report. REFER ANNEXURE II</p>



	along with the statistical analysis and interpretation.	
v.	Storage of solvents should be in accordance with the prescribed safety norms. Fugitive emissions should be prescribed safety norms. Fugitive emissions should be controlled, regularly monitored and data recorded. The monitored data should be submitted to this Ministry once in 6 months for review	Major Raw Material is o-Xylene which is liquid in nature. Stored in Storage tanks with sprinklers arrangement. The installation is approved by CCOE .Photograph showing designated storage area for storage of raw material: o-Xylene are enclosed as ANNEXURE - VI
vi.	The existing ETP facilities should be upgraded by providing tertiary treatment facilities to ensure that the existing discharges meet the norms stipulated by the SPCB/MINAS. .Further, as indicated in the BMP, a new ETP should be provided to treat the additional effluent load after the expansion. The treated effluent should meet the norms prescribed norms under Gazette Notification dated 2.4.96 Specifically BOD (3 days at 27 C) shall be 30 mg/l if discharged directly to a freshwater body. Bioassay test must be carried out to meet 90% survival after 96 hrs. in 100% effluent. Test shall be carried out as per ist6582-1971. in case the treated effluent is proposed to be disposed into the CETP proposed at MIDC, adequate treatment facility should be provided to meet the CETP norms otified under the Environment (Protection) Rules, 1986.	The ETP plant was revamped in the years 1998 (incorporating tertiary treatment) and also subsequently in the year 2013to treat the additional load from the expansion before commissioning the Phase III plant. Bioassay test is already carried out on our effluent through MOEF recognized third party. Company is already a Member of CETP. Effluent after treatment is disposed to CETP as per MPCB norms as specified in CTO. The note on revamping of ETP is enclosed as ANNEXURE - XI . Expansion/upgradation of ETP is under construction stage incorporating RO & MEE to recycle total effluent which will be generated from expansion. In addition, part of the effluent from existing plant will also be recycled. We propose to reduce our consent effluent discharge from 686 m3/day to 221 m3/day as stipulated in expansion CTE. Attached are few photographs of the project under construction. ANNEXURE -IXXV



vii.	Regular effluent quality monitoring should be carried out on a 24-hour log and record instrumentation system and the monitored data along with the statistical analysis and interpretation should be submitted to this Ministry once in six months and to the State Pollution Control Board once in 3 months.	We have online emission and effluent monitoring system connected to CPCB and MPCB servers .Ref ANNEXURE XVI .
viii	Guard ponds of sufficient holding capacity should be provided to cope with the effluent discharge -during the process disturbances. In the event of failure or nonfunctioning of the ETP, the respective units should be immediately put out of operation and should not be restarted until the control measures are rectified to achieve the desired efficiency.	Holding tanks with total capacity 750 m3 for incoming effluent and 400 m3 treated effluent are provided as buffer for any upstream/downstream disturbances. These tanks are RCC tanks(with lining of Acid/alkali proof tile for acidic effluents)
ix	The guard pond should be provided with impervious. lining and stability of the ponds with respect to leakages/cracks and other factors should be ensured	These tanks are RCC tanks with lining of Acid/alkali proof tile lining. The lining is checked once a year and pointing & other repairs if required is done as preventive maintenance.
x	Adequate number of influent and effluent. Quality monitoring stations should be set up in consultation with the State Pollution Control Board	We have online effluent monitoring system connected to CPCB and MPCB servers .Ref ANNEXURE XVI .Regular in plant analysis of various streams of ETP are done in the laboratory.
xii	The hazardous wastes should be handled as per the Hazardous Wastes (Management and Handling) rules of the environment (Protection) Act, 1989	We are complying the hazardous waste management rules .
xiii	Handling, manufacturing storage and transport of hazardous	complied



	chemicals should be in accordance with the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989	
xiv	On-site and off-site Emergency Plan as required under the Rules 13 and 14 of the Manufacture, Storage and Import of the Hazardous Chemicals Rules, 1989 should be prepared and approval from the competent authority should be obtained.	We have the onsite and off-site emergency plan which is submitted to DISH (factory inspectorate).
xvi	A green belt of adequate width and density should be raised all around the proposed unit and township. Native plant species should be selected for this purpose in consultation with the local DFO. A norm of about 1500-2000 plants per ha. may be followed.	Green belt is developed on 36,000 sq. ft. of area within plot. Local species endemic to Konkan have been planted for green belt. Please refer ANNEXURE - VII for details of Green belt developed.
xvii	Periodical medical checkup of the workers should be done and records maintained as a measure to provide occupational health service to the workers.	Yes, it is carried out regularly in existing plants. Trained Male nurse is provided in all three shifts. We have appointed fulltime Doctor and have tie up with local hospitals to attend to medical emergencies. Please refer ANNEXURES - VIII & VIIIA Company has well equipped Occupational Health center (OHC) with two beds located in its admin building. Company has a program of pre and post (periodic) medical checkups whereby all workers in hazardous operations are tested twice a year. For medical reports refer ANNEXURE VIIIA
xviii	The project authorities should set up laboratory facilities for collection, analysis of samples under the supervision of competent technical personnel who will report to the Chief Executive.	Environment Laboratory is set up in ETP to look after performance monitoring of ETP. All other sampling and analysis is outsourced from MOEF&CC approved laboratories. The supervision is done by qualified environment manager who reports to Vice President



		Production (who in turn reports to Executive Director of the company).
xix	A separate environment management cell with suitably qualified people to carry out various functions should be set up under the control of senior executive who will report directly to the Head of the Organization.	Environment Management looked after by President (Production), Manager (Env) and directly reporting to Executive Director. Separate Safety Officer looks after Safety related compliances
xx	The funds earmarked for the environmental protection measures should not be diverted for any other purpose and year wise expenditure should be reported to this Ministry and to the State Pollution Control Board under the Rules prescribed for environmental audit.	Yes, we have provided separate funds for Environmental Protection Measures and we affirm that same will not be diverted for any other purpose, Budget for Environment Protection is enclosed as ANNEXURE - IX



Ref	PA III EC COMPLIANCE REPORT OCT2018-MARCH2019 EC No. J-11011/994/2007/1 A (II) I dated: 03.12.2009
To	I.G. Petrochemicals Ltd, T-2, MIDC Talaja
Status	Project completed in the year 2013.

It is noted that M/s. IG Petrochemicals Limited have proposed to increase the manufacturing capacity of existing petrochemicals complex. The unit is located at MIDC, Talaja in District Raigad in Maharashtra. It is proposed to set up Phthalic Anhydride plant with capacity of 53,000 TPA, recovery of 1000 TPA of benzoic acid and generation of 2.5 MW power for its own use and export to state Electricity Board Grid. The phthalic anhydride will be recovered in switch condensers. The existing area of the plant is 20,491 m² and additional area of 2522 m² is proposed for the expansion project. Cost of the project is Rs. 148 crores

The project has been completed in the year 2013.

Compliance to the conditions stipulated under Environmental Clearance granted by the Ministry of Environment & Forest, Government of India vide letter No. J-11011/994/2007/1 A dated 03.12.2009.

It is noted that water requirement will increase from 2615 m³/day to 4117 m³/day which will be met from the MIDC supply. About 651 m³/day of effluent will be generated. The effluent after primary, secondary and tertiary treatment will be discharged to CETP, Talaja. Process emissions in the form of HCL and TOC will be controlled through scrubbers. Stack height of 55m is provided for boilers for dispersion of gaseous emissions. Stack height of 31m is provided for heaters and 30m for the DG sets.

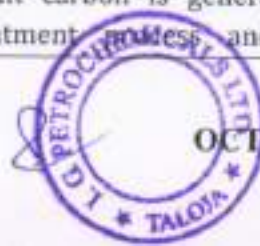
The water requirements and effluent generation are within stipulated limits. REFER ANNEX III for water consumption and effluent generated during period Oct2018-March2019. The effluent after primary, secondary & tertiary treatment is discharged to CETP, Talaja. Scrubbers have been provided for process emissions. The stack emissions are being monitored through OCEMS which is connected to CPCB/MPCB servers. Requisite stack heights have been provided.

A. SPECIFIC CONDITIONS:

- | | | |
|----|---|--|
| i) | The Company shall install full-fledged ETP to treat the process effluent and treated effluent after primary, secondary and tertiary treatment and confirming to the prescribed standards shall be sent to CETP for further treatment. The company shall construct a guard pond for treated effluent and shall carry out the bioassay test by collecting the treated effluent into guard pond before discharging into CETP. The reports shall be submitted to CPCB and Ministry's Regional Office at Bhopal. | The existing ETP plant was revamped in 2013 to treat the additional load from the expansion before commissioning the Phase III plant. Holding tanks with total capacity 750 m ³ for incoming effluent and 400 m ³ treated effluent are provided in ETP. Bioassay test is already carried out on our effluent through MOEF recognized third party. Company is already a Member of CETP and all effluents shall be disposed to CETP.
The note on 2013 revamping of ETP is enclosed as ANNEXURE - XI.
We have continuous online effluent monitoring system (BOD,COD,pH,TSS) connected to CPCB |
|----|---|--|



		and MPCB servers .Ref ANNEXURE XVI . We are further upgrading ETP by incorporating Ro and MEE to recycle total effluent generated from ongoing expansion and also recycling part of the existing effluent, thus bringing consented effluent discharge from 686 m3/day to 221 m3/day. The upgradation is under construction stage. Ref ANNEXURE-XXV for details of upgradation
ii)	Process emissions in the form of HCl and TOC shall be controlled by installation of scrubbers. The company shall provide the monitoring arrangements with stack and regular monitoring shall be carried out and reports submitted to the SPCB, CPCB and Ministry's Regional Office at Bhopal. The gaseous emissions from the DG sets shall be dispersed through stack of adequate height as per CPCB / state pollution Control Board standards.	Process emissions are controlled by three stage scrubbers. Provision shall is made of sampling port hole and monitoring is being done. DG sets are provided with stack height of 15 m above roof, which is as per the Consent granted to our unit. Regular monitoring is carried out through MoEF&CC recognized laboratory. All stacks emission and effluent (discharged to CETP) parameters are connected via OCEMS to CPCB and MPCB servers. Refer ANNEXURE XVI for snapshots of OCEMS Dashboards
iii)	The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their Website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal office of CPCB and State Pollution Control Board. The Pollutant levels namely, SPM, RSPM, SO2, NOx & CO (ambient levels as well as stack emissions) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	We are uploading compliance reports on our company web site (http://www.igpetro.com/quality#main-content). We are submitting 6 monthly compliances to various authorities as stipulated. We are regularly monitoring ambient air quality and stack emissions from various stacks. Display Board as specified by Honorable Supreme Court is put up at our Gate. Please refer ANNEXURE - XII. & ANNEXURE XXII.
iv)	Fugitive emission in the work zone environment, product, raw material storage area shall be regularly monitored. The emissions shall conform to the limits imposed by SPCB.	We monitor the fugitive emissions at work place/shop floor as desired. The monitoring of work zone is carried out regularly in our Phase I and Phase II plants. Please refer ANNEXURE - II.
v)	The company shall explore the possibility of sending the spent carbon	Spent carbon is generated from ETP tertiary treatment process and thus unsuitable for



	and bio sludge to the cement plant plants or spent carbon should be incinerated.	burning in cement plants. Also, quantity generated is very small (10 TPA max) and there is no Cement plant in 500 km distance from our unit. Hence, we shall dispose this in CHWTSDF Taloja which is located in 2 km distance from our unit. Copy of MWML Membership Certificate is enclosed as ANNEXURE - XIII & Copy of Hazardous Waste Return submitted in form - IV for 2017 - 2018 is enclosed as ANNEXURE - XIV.
vi)	The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals, 1989 as amended in October, 1994 and January, 2000 and Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008, as amended from time to time. Authorization from the SPCB shall be obtained for collection, treatment, storage and disposal of hazardous wastes. All Transportation of Hazardous Chemicals shall be as per the MVA, 1989.	We shall abide by this strictly. The site details are submitted to the DISH as they are the prescribed authority under the MSIHC Rules. Combined consent to operate / Authorization from MPCB for existing unit as well as expanded PA - III Plant is obtained & we have received renewal of same vide No. Formate 1.0/BO/CAC-Cell/UAN No.30425/2 nd CAC/1086000105 Dated: 02/06/2018 validity: 28.02.2018 to 31.08.2021 (ANNEXURE - XV). We shall abide by the conditions of the Authorization. All hazardous chemicals/wastes are transported as per MVA, 1989 and through approved transporters of MPCB.
vii)	The project authority shall obtain the membership of TSDF for disposal of solid and hazardous waste 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.	Yes, complied. We have membership with CHWTSDF at Taloja and regularly disposing off our hazardous waste from Phase I and Phase II plants to TSDF. Copy of the membership certificate enclosed as ANNEXURE - XIII.
viii)	The company shall develop in land area of 35685 sq. ft, as per the CPCB guidelines to mitigate the effect of fugitive emissions.	Green belt is developed on 36,000 sq. ft. of area within plot. Local species endemic to Konkan have been planted for green belt. Please refer ANNEXURE - VII for details of Green belt developed.
ix)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Yes, it is carried out regularly in existing plants. Trained Male nurse is provided in all three shifts. We have appointed fulltime Doctor and have tie up with local hospitals to attend to medical emergencies. Please refer ANNEXURES - VIII & VIIIA Company has well equipped Occupational Health



		center (OHC) with two beds located in its admin building. Company has a program of pre and post (periodic) medical checkups whereby all workers in hazardous operations are tested twice a year. For medical reports refer ANNEXURE VIIIA
x)	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Complied- entire plant is covered by a hydrant system, which is provided with separate fire water reservoir and emergency pumps (diesel operated). Fire extinguishers are kept in various parts of the plant depending upon type of fire hazard likely.
xi)	The company shall comply with the recommendations made in the EIA/EMP and Risk Assessment Report	We are abiding by the recommendations in the EIA/EMP and Risk assessment study.
	B. GENERAL CONDITIONS:	
i)	The project authorities shall strictly adhere to the stipulations made by the State Pollution Control Board.	Combined Consent to Operate /Authorization from MPCB is obtained for existing unit as well as expanded PA - III plant (ANNEXURE - XV). We shall abide by the conditions of the Consent /Authorization and other stipulations.
ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alternations 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.	Yes, agreed.
iii)	At no time, the emissions shall exceed the prescribed limits. 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.	Yes, agreed.

iv)	The gaseous emissions (NO _x , SO ₂ and SPM) and Particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emissions level shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Stack monitoring for SO ₂ , NO _x and SPM shall be carried.	Regular stack / vent monitoring is being carried out through MoEF recognized laboratory. We have also installed continuous online monitoring system which is linked directly with CPCB /MPCB server for stack emissions as well as effluent. REFER ANNEXURE XVI FOR OCEMS DASHBOARD
iv)	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station is installed in the up wind and down wind directions as well as where maximum ground level concentrations are anticipated.	Yes, the ambient air quality monitoring is carried out regularly in existing plants will be continued. REFER ANNEXURE II
v)	The overall noise levels in and around the plant area shall kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules 1989 viz. 75 dBA (day Time) and 70 dBA (night time).	Ambient and work place Noise level monitoring is carried out regularly in existing plants and same practice will be continued in future. We have taken all control measures as stipulated to control noise. REFER ANNEXURE II
vii)	The project proponent shall also comply with all the environmental protection measures and safeguards proposed in the project report submitted to the Ministry. All the recommendations made in respect of environmental management & risk mitigation measures relating to the project shall be implemented.	Yes agreed.



viii)	The company will undertake all relevant measures for improving the Socio-economic conditions of the surrounding area. CSR activities will be undertaken by involving local villages and administration.	Company is undertaking various community welfare measure for improvement of the environment as under: Refer ANNEX XVII for details
ix)	The company shall undertake eco-development measures including community welfare measures in the project area for the overall improvement of the environment.	Company is undertaking various community welfare measure for improvement of the environment as under: Refer ANNEX XVII for details
x)	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Environment Management looked after by President Production directly reporting to Executive Director. Separate team under Dy Gen Manager (SHE) looks after safety, health and environment related compliance. Environmental Laboratory Set up in ETP to look after performance monitoring of ETP, all other sampling outsourced.
xi)	The project authorities shall earmark adequate funds to implement the conditions stipulated by the Ministry of Environment & Forests as well as the State Government along with the implementation schedule fro all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Budget for Environment Protection as stipulated in the EIA has been used for environmental protection in expansion project.
xii)	The implementation of the project vis-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry / SPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the company.	Yes- being done regularly.
xiii)	A copy of the clearance letter shall be sent by the proponent to concerned Panchyat, Zila Parishad / Municipal	Yes -submitted to Ghot Grampanchayat.

	Corporation, Urban Local body and local NGO, if any from whom suggestions / representations, if any were received while processing the proposal.	
xiv)	The project proponent shall also submit six monthly reports on the status of compliance of conditions stipulated E C conditions including results of monitored data (both in hard copies as well as by email) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and State Pollution Control Board.	Yes, six monthly reports are being submitted regularly. For Last submitted report refer ANNEXURE V
xv)	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 State Pollution Control Board / Committee and may also be seen at Website of the Ministry and Forests at http://envfor.nic.in . This shall be advertise within seven days from the date of issue of the clearance letter, at least two local Newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned and copy of the same should be forwarded to the Ministry's Regional Office of the Ministry.	Complied- advertisement was placed in media on obtaining the Environmental clearance. Refers ANNEXURE X
xvi)	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 construction.	The implementation of Phase III PA plant is done. Benzoic acid recovery project which envisages recovery of benzoic acid from residue and waste water is installed and commissioned- copy of combined Consent to Operate for all units enclosed- ANNEXURE - XV
7)	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory	Yes, above condition is noted.
8)	The Ministry reserves the right to stipulate additional conditions. If found	Yes, above condition is noted.



	necessary. The company is a time bound manner implements these conditions.	
9)	Any appeal against this environmental clearance shall lie with the National Appellate Authority, if proffered within a period of 30 days as prescribed under section 11 of the National Environment Appellate Authority Act, 1997.	Yes, Noted.
10)	The above conditions will be enforced, inter-alla under the provisions of the water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of pollution) Act, 1981, The Environment Protection Act 1986, Hazardous Waste (Management & Handling) Rules, 2003/2008 and Public Liability Insurance Act, 1991 along with their amendments and rules.	Yes, Noted.



Ref	PA-IV EC COMPLIANCE REPORT OCT2018-MARCH2019 EC No. J-11011/73/2016-IA-II (I), Dated : 18 th July, 2017 & amendment in same dated 20 th February 2018
To	IG Petrochemicals Ltd, T-2, MIDC Taloja
For	Expansion of Petrochemical and synthetic organic chemicals manufacturing facility
Status	Project is under construction stage

Proposal is for expansion of petrochemical and synthetic organic chemicals manufacturing facility at Plot No. T-2, MIDCTaloja, Tehsil Panvel, District Raigad, Maharashtra by M/s I G Petrochemicals Ltd. (IGPL). Total land area is 1,13,282 m². Industry has already developed Green belt in an area of 10% i.e. 11,327.6 m² out of 1,13,282 m² of area of the project.

This Environmental Clearance were obtained for expansion of petrochemical and synthetic organic chemicals manufacturing facility with total proposed capacity of 72210 TPA.

Consolidated Consent to Operate for existing Plant PA -I , PA - II ,PA - III, Benzoic Acid & maleic Anhydride plants is obtained.

Production details of existing unit as per listed below:

Product	As per Environmental earlier Clearances	As per Consent to Operate (2018)
Phthalic Anhydride	PAI+PAII90000 MTPA PAI EXP 26110 MTPA PAIII 53000 MTPA	169110MT/A
Benzoic Acid	1000 MT/A	1000 MT/A
Power (Exported to Grid)	2.5 MW	2.5 MW
*Maleic Anhydride	6500 MT/A	6500A

* Maleic Anhydride manufacturing facility of Mysore Petro Chemicals Ltd located at plot T-1 was bought over by IG Petro Chemicals Ltd w.e.f 1 st April 2017.



Proposed Additional capacities of Products as per EC No. J-11011/73/2016-IA-II (I), Dated: 18th July, 2017 & amendment in same is received on 20th February 2018

Product	As per Environmental Clearance (MT/A)
Phthalic anhydride (PAN)(PA4 plant)	53,000
Benzoic acid (capacity increase of existing plant)	750
Maleic Anhydride (MA4 plant)	1160
Power (Export to grid)	--
Di ethyl phthalate (DEP)	12600
Di methyl phthalate (DMP)	
By Products	
Sodium sulphate	900
Phthalic acid	800
Monoester salts	3000

Compliance to the conditions stipulated under Environmental Clearance granted by the Ministry of Environment & Forest, Government of India vide letter No. J-11011/73/2016-IA-II (I), Dated: 18th July, 2017 & amendment in same is received on 20th February 2018 is as given below.

The project activity is listed at 5 (f) in the Schedule of the EIA Notification, 2006 and is of 'B' Category being in the industrial area and shall not require Public Hearing. Based on the information provided by you, the Ministry of Environment and Forest hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September 2006, subject to the compliance of the following Specific and Generation condition.

OK. Above condition is noted.

A. Specific Conditions:

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i.	5000 trees shall be planted in five years in nearby villages. Survival rate of plants shall be reported to RO, MoEF & CC in 6 monthly compliance report.	Yes, Agreed. We are planning to plant approx. 2000 nos of trees in the current year (2019) monsoon and survival report of plants will be reported to RO, MOEF& CC in six monthly compliance reports. We have identified the area Ghot Camp which is located -----km from our factory location. Refer ANNEXURE-XXVI
ii.	At least 1.5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC)based on local needs and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office at Nagpur. Implementation of such program shall be ensured accordingly in a time bound manner.	Yes, 0.75 % (fig revised as per MOEFC&C office memorandum F.No.22-65/2017-IA.III dated 1 st May2018 REF ANNEXURE -XVIII)of the total cost of the project will be earmarked towards Enterprise Social Commitment. Sufficient budgetary provision will be made for health improvement, education, water and electricity supply etc. at nearby villages. Budgetary allocation made towards ESC /CERis enclosed as ANNEXURE - XVIII
iii.	A regular environment manager having post graduate qualification in environmental sciences/ environmental engineering to be appointed for looking after the environmental management activities of the proposed plant.	Qualified staff with post-graduation in Environmental Science / Environmental Engineering is appointed for environmental management activities.
iv.	The unit shall adhere to zero liquid discharge (ZLD) . As per EC amendment dated 20 th Feb 2018(ANNEXURE XIX) effluent discharge to CETP should be 220 m3/day	Yes, Agreed. Effluent generated from existing unit and proposed expansion will be treated and recycled within the plant for maximum extend & remaining treated effluent is restricted to 220 m3/day for final discharge to CETP. Upgradation involves installation MEE/RO for partial Effluent recycle. The upgradation project is at construction stage – equipment erection and piping. REFER ANNEXURE-XXV for few photos of ETP upgradation under construction



v.	Continuous online (24 x7) monitoring to be installed for flow measurement and measurement of pollutants within the treatment unit. Data to be uploaded on company's website and provided to the respective RO of MEF & CC, CPCB and SPCB.	Yes, we have installed continuous online (24*7) monitoring system measurement for stacks emission& effluent. We have connected online continuous emission monitoring system to CPCB / MPCB Server and data is uploaded on company's website regularly. The same system will be extended in the upcoming expanded plants. Refer Annexure - XVI for OCEMS dashboard. We have provided link of OCEMS on our company web site (http://www.igpetro.com/quality#main-content) Refer ANNEXURE XXII
vi.	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	Yes, will be Complied with- entire plant will be covered by a hydrant system, which will be provided with separate fire water pump and emergency pumps (diesel operated) as per existing unit. Fire extinguishers will be kept in various parts of the plant depending upon type of fire hazard likely.
vii.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Yes, it is carried out regularly in existing plants. Trained Male nurse is provided in all three shifts. We have appointed fulltime Doctor and have tie up with local hospitals to attend to medical emergencies. Please refer ANNEXURES - VIII & VIIIA Company has well equipped Occupational Health center (OHC) with two beds located in its admin building. Company has a program of pre and post



		(periodic) medical checkups whereby all workers in hazardous operations are tested twice a year. The records are maintained in form-7 as per factories act. For medical reports refer ANNEXURE VIII A
viii.	The by-products which fall under the purview of the Hazardous Waste Rules, be handled as per the provisions of the said Rules and necessary permissions shall be obtained under the said rules.	We are having necessary permissions for existing plants. We have already received consent to establish from GhotMPCB(REF ANNEXURE-XX)for the additional requirement from the expansion plants. We are member of CHW-TSDF REF ANNEXURE XII

B.	General Conditions:	
i.	The project authorities must strictly adhere to the stipulations made by the state Pollution Control Board (SPCB), State Government and any other statutory authority.	Combined Consent to Operate /Authorization from MPCB is obtained for existing unit (ANNEXURE - XV). For expansion (installation of new plants of Phthalic Anhydride/Maleic Anhydride /benzoic acid) We have received Consent to Establish from Maharashtra Pollution Control Board REF ANNEXURE XX
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.	Yes, agreed. No further expansion or modification in the plant will be carried out without prior approval from MoEF & CC



iii.	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	We are regularly monitoring Ambient Air Quality Monitoring through MoEF &CC recognized laboratory. Ambient Air Quality monitoring stations are set up as per guidelines of SPCB. Ambient Air Monitoring Reports for last one year is enclosed as ANNEXURE - II
iv.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 shall be followed	Yes, Agreed.
v.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Yes, we have provided enclosures, hood etc. to ensure noise level is under control. Regular ambient Noise monitoring is carried out within the unit and at fence level. Same practice will be carried out for proposed expansion (PA- IV). All high noise generating sources are enclosed. Regular Noise Level monitoring undertaken. Reports for Oct2018-March2019 period are enclosed under ANNEXURE - II showing compliance to in existing plant limits of 85 dBA and ambient noise std of 75 and 70 dBA.
vi.	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	Yes, We have installed rainwater harvesting at two locations and these are in operation. Last monsoon year we have recovered total of 3000 m ³ of rain water from these two locations.
vii.	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all	Yes, periodical Training is carried out of all employees on safety and health aspects of chemicals handling. Pre-employment and



	employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	routine periodical medical examinations for regular basis.
viii.	The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA & EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	Yes agreed. All Environmental Protection measures will be carried out as per documents submitted to ministry.
ix.	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	Yes, the company contributes to nearby Ashram / local village Gram panchayat.
x.	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Company is undertaking various community welfare measure for improvement of the environment. refer ANNEXURE XXVII
xi.	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Environment Management looked after by President (Production), Manager (Env) and directly reporting to Executive Director. Separate Safety Officer looks after Safety related compliances. Environment Laboratory is set up in ETP to look after performance monitoring of ETP. All other sampling and analysis is outsourced from MoEF&CC approved laboratories
xii.	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment	Yes, Budget for Environment Protection as stipulated in the EIA has been used for environmental protection in proposed expansion project.



	management/ pollution control measures shall not be diverted for any other purpose.	
xiii.	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.	Yes, We have submitted EC copy to Panvel Municipal Corporation which is local body. REF ANNEXURE XXIII
xiv.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as bye-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	Yes, it is carried out regularly for all EC s. Refer ANNEXURE V for Ack. Copy of last six monthly compliance report submitted
xv.	The environmental statement for each financial year ending 31- March in Form-Vas is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF by email.	Yes, it is carried out regularly in existing plants and same practice will be adopted in expansion plant. REFER ANNEXURE -XXI
xvi.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/ Committee and may also be seen at Website of the Ministry at http://moef.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local	Complied- advertisement was placed in media on obtaining the Environmental clearance. Copy of Advertisement published in local news paper is enclosed herewith as ANNEXURE- X



	newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	
xvii.	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.	Yes, Agreed. Project construction is under process. We will intimate to RO, MOEF for once implementation of project is completed.
xviii	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory	Yes, Noted.
xix.	The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.	Yes, Agreed.
xx.	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Yes, Noted.



Ref	EC COMPLIANCE FOR THE PERIOD OCT2018-MARCH2019 Maleic Anhydride (REVAMPING OF EXISTING MA-I AND MA-II PLANTS) EC No. J-11011/986/2007-IAII (I) dated 02/04/2008
	EC No. J-11011/986/2007-IAII (I) dated 02/04/2008 was obtained by Mysore Petrochemicals Ltd, T-1, MIDC Talaja for expansion of Maleic Anhydride plant capacity from 5400 TPA to 6500TPA. This unit of Mysore Petrochemicals was sold to sister company IG Petrochemicals Ltd ,T-2,MIDC ,Talaja with effect from April 2017 and is amalgamated with IG Petrochemicals .
Status	PLANT EXPANSION COMPLETED IN THE YEAR 2013

This Environmental Clearance was obtained for enhancing of plant for capacity of Maleic Anhydride from 5400 TPA to 6500TPA. Consolidated Consent to Operate for the amalgamated unit (IG Petrochemicals Ltd has been obtained on 02/06/2018

Product	As per Environmental Clearances	As per Consent to Operate (2018)	Actual Production		Remarks
			APRIL2018-MARCH2019 full year	Oct2018-March 2019 6 months	
Maleic Anhydride	6500TPA	6500 TPA	4566	2277	We are well within the prescribed limit of EC & Consent

Compliance to the conditions stipulated under Environmental Clearance granted by the Ministry of Environment & Forest, Government of India vide letter No. J-11011/986/2007-IAII (I) dated 02.04.2008 is complied.



A. Specific Conditions:		
i.	<p>Ambient air quality monitoring stations, SPM, SO₂ and NO_x) shall be set up in the petrochemical unit in consultation with SPCB, based on occurrence of maximum ground level concentration and down-wind direction of wind. The monitoring network must be decided based on modeling exercise to represent short term GLCs. Data on VOC shall be monitored and submitted to the SPCB / Ministry's Regional Office. Monitoring of VOC shall be undertaken.</p>	<p>Yes, the ambient air quality monitoring is carried out regularly & will be continued. REFER ANNEXURE II</p>
ii.	<p>The effluent generated after recovery of Maleic Anhydride from Scrubber effluent of M/s IG Petrochemicals Limited (IGPL) shall be sent back to ETP of IGPL for further Treatment.</p>	<p>Complied. The effluent generated in Maleic Anhydride plant is sent to ETP for further treatment. After amalgamation of Mysore Petrochemicals MA plant with IGPL, this effluent transfer is internal transfer to ETP.</p>
iii.	<p>The hazardous waste generated in the form of distillation residues shall be used as a fuel in heater of M/s IG Petrochemical Limited.</p>	<p>Complied. Refer ANNEXURE IV A for the quantities generated and used as fuel in thermic fluid heaters.</p>
iv.	<p>All the standards /Norms stipulated under Environment (Protection) Act, 1986/CPCB should be met. In addition all new standards/norms that would be notified in future for petrochemical units shall be applicable for the proposed expansion unit.</p>	<p>Agreed</p>
v.	<p>Project authority shall undertake rainwater harvesting measures to recharge water and also to minimize the water drawl from the reservoir and ground water.</p>	<p>Yes, we have installed rainwater harvesting at two locations and these are in operation. This year we have recovered total of 3000 m³ of rain water from these two locations</p>



vi.	Green belt shall be raised in 33% of the plant area to mitigate the fugitive emissions the plant. Selection of plant species shall be as per the Central Pollution Control Board guidelines.	Green belt is developed on 36,000 sq. ft. of area within plot. Local species endemic to Konkan have been planted for green belt. Please refer ANNEXURE – VII for details of Green belt developed.
vii.	Occupational Health Surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	Yes, it is carried out regularly in existing plants. Trained Male nurse is provided in all three shifts. We have appointed fulltime Doctor and have tie up with local hospitals to attend to medical emergencies. Please refer ANNEXURE – VIII Company has well equipped Occupational Health center (OHC) with two beds located in its admin building. Company has a program of pre and post (periodic) medical checkups whereby all workers in hazardous operations are tested twice a year. For medical reports refer ANNEXURE VIIIA

B.	General Conditions:	
i.	The project authorities must strictly adhere to the stipulations made by the Pollution Control Board and the State Government.	Agreed and complied
ii.	No further expansion or modernization in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Agreed .
iii.	At no time, the emissions shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the units, the respective unit should be immediately put out of operation and should	Agreed



	not be restarted until the desired efficiency has been achieved.	
iv.	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 should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Yes, Enclosures have been provided at various Noise Generating locations. Monitoring Reports for the period April2018-September2018 are enclosed as ANNEXURE – II
v.	The project authorities must strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989 as amended in 2000 for handling of hazardous chemicals etc. Necessary approvals from Chief Controller of Explosives must be obtained before commission of the project.	Yes, complied. We have membership with CHWTSDF at Taloja and regularly disposing off our hazardous waste from Phase I and Phase II plants to TSDF. Copy of the membership certificate & hazardous waste return are enclosed as ANNEXURE – I & XIV
vi.	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 State Pollution Control Board must be obtained for collections/treatment/storage/disposal of hazardous wastes.	We shall abide by this strictly. The site details are submitted to the DISH as they are the prescribed authority under the MSIHC Rules. Combined consent to operate / Authorization from MPCB is obtained & we have received renewal of same vide No. Formate 1.0/BO/CAC-Cell/UAN No.30425/2 nd CAC/1086000105 dated 02/06/2018 and valid till31/08/2021. ANNEXURE XV
vii.	The project authorities will provide adequate funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purposes.	Agreed and complied ANNEXURE IX
viii.	The stipulated conditions will be monitored by the Regional Office of this Ministry at	complied

	Bhopal/Central Pollution Control Board/State Pollution Control Board. A six monthly compliance report and the monitored data should be submitted to them regularly.	
ix.	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 State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at http://www.envfor.nic.in . This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office.	complied
x.	The Project Authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Complied

