Dorf Ketal Chemicals (I) Pvt. Ltd.
Plot No. B-52/3, MIDC Lote Parshuram Ind. Area
Taluka - Khed, Dist. - Ratnagiri, Maharashtra - 415 722
India
Phone +92-2356-272186 / 273014
www.dorfketal.com

A Responsible Care® Company

DKL/MPCB/EC/027/20-21

DATE: 15.12.2020

To,
The Regional Office(WCZ)
Ministry of Environment,Forests & Climate Change
Ground Floor,East Wing
New Secretariant Building
Civil Lines Nagpur-440001

Subject: Half-yearly Compliance report. . June 20- Sept 20

Dear Sir,

We have got Environment Clearance from State Environment Department, Maharashtra under category 5 F (B) for manufacturer of synthetic organic chemical EC No .SEIAA-EC-0000000182 dated 16.02.2018.

We wish to update you that Filtra Catalyst & Chemicals Limited applied for EC in the year 2015 and company is now taken over by Dorf Ketal Chemicals India Pvt Ltd. in the year 2016. As the application was made by Filtra Catalyst & Chemicals Limited, the Environment Clearance granted in the name of Filtra Catalyst & Chemicals Limited. Now we have obtained change in name from Filtra Catalyst & Chemicals Limited to Dorf Ketal Chemicals India Pvt Ltd.

Attached name change letter in Annex.XX

With Best Regards

For Dorf Ketal Chemicals (I) Pvt.Ltd.Lote.

Authorized Signatory

Enclosed: EC compliance Report

DORF KETAL CHEMICALS INDIA PVT LIMITED, B 52/3 MIDC LOTE PARSHURAM TAL. KHED DIST. RATNAGIRI
HALF YEARLY COMPLIANCE REPORT – PERIOD June 20 – Sept 20

EC CONDITIONS

A. SPECIFIC CONDITIONS:

1. **Before issuing consent to operate, MPCB will ensure that the increased capacity of the facility is zero liquid discharge.**

- Flow meter at the outlet is provided

GENERAL CONDITIONS:

1. **PP to achieve Zero Liquid Discharge: PP shall ensure that there is no increase in the effluent load to CETP.**

- Our existing consent is having 17 m^3/day effluent discharges. We have installed flow meter at the outlet of ETP to measure the flow of effluent/day. We are attaching herewith the daily record of the flow meter. **Annexure I**

2. **73 TPH boiler should have stack height of 68m & flue gases shall be passed through as ESP of 99.9% efficiency before being led into the 68m stack.**

- We have submitted the letter to SEIAA, regarding that print is typographical error and in our EC application it was not mentioned. So we request you not to consider this point.

3. **No additional land shall be used / acquired for any activity of the project without obtaining proper permission.**

- No additional land was required. Project is expanded within the existing land.

4. **PP to take utmost precaution for the health & safety of the people working in the unit as also for protecting the environment.**

- Risk assessment for all activities has been done in respect with health, safety and environment aspects. High risk activities are identified and proper controls are provided. Employees have been trained for handling chemicals & other activities. PPE is also provided for specific operations. **See Annexure II.**

5. **Proper Housekeeping programmers shall be implemented.**
- Proper Housekeeping program is implemented. **Annexure-III**

6. **In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation & shall not be restarted until the desired efficiency has been achieve.**
- In the event of failure of pollution control equipment, the plant operation will be stopped and after rectification of particular equipment then only it will be will be restarted.

7. **A stack of adequate height based on DG set capacity shall be provided for control & dispersion of pollutant from DG set. (If applicable).**
- Already a stack with height 3.5 mtr is provided to DG set. Monthly monitoring is also carried out by MoEF approved laboratory. **Annexure IV.**

8. **A detailed scheme for rainwater harvesting shall be prepared & implemented to recharge ground water.**
- A scheme is prepared for rain water harvesting and water will collected in underground water storage tank.

9. **Arrangement shall be made that effluent & storm water does not get mixed.**
- Effluents send to ETP by overhead pipeline through pumping. Separate storm water gutters are provided and there is no chance of mixing of effluent and storm water. **Annexure V**

10. **Periodic monitoring of ground water shall be undertaken & results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.**
- As we are in a notified industrial area, no bore well are permitted. Hence it will not be possible to take the sample of ground water for analysis.

11. **Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.**
- In high noise area ear plug and ear muffs are provided. Employees are trained regarding high noise hazards. Cautionary noise display is done in that area. **Annexure VI**

12. **The overall noise levels in & around the plant are 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 confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.**

- Monthly ambient noise level monitoring is carried out by MoEF approved laboratories and results are well within the limit. **See Annexure VII.**

13. **Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of the plant species & in consultation with the local DFO/Agriculture Dept.**

- Green belt is developed and maintained . Total numbers of trees are 110 nos. **See Annexure VIII**

14. **Adequate safety measures are provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection & warning.**

- Inter locking system like safety relief valve , safety barriers is provided. **See Annexure IX**

15. **Occupational health surveillance of the workers shall be done on a regular basis & record maintained as per factories Act.**

- Half yearly medical checkup of all employees are carried out and records are maintained. **See Annexure X.**

16. **The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.**

- Adequate no. of fire extinguishers and full-fledged fire hydrant system is provided. **See Annexure XI.**

17. **The project authorities must strictly comply with the rules & regulations with regard to handling & disposal of hazardous wastes in accordance with the Hazardous Waste (Management & Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.**

- Authorisation for handling and disposal is obtained from MPCB.
- A separated dedicated area with restricted entry is provided. **See Annexure XII.**

18. **Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes/ improvements required, if any, in the on-site management plan shall be ensured.**

- Regular mock drills are carried out and reported to DISH Office. On site emergency plan is in place. **See Annexure XIII.**

19. **A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environment safeguards.**

- A separate environmental management cell is in place. The departmental chart of cell is attached. **See Annexure XIV.**

20. **Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes & year-wise expenditure should reported to the MPCB & this department.**

- Dedicated funds are allocated for implementation of environmental protection measures. **See Annexure XV.**

21. **The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance & copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in.**

- Notice published in local languages and in English. **See Annexure XVI.**

22. **Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms & conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.**

- We are submitting the half yearly compliance on regular basis.

23. **A copy of the clearance letter shall be spent by proponent to the concerned Municipal Corporation & the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.**

- Clearance letter is uploaded on company's website. **See Annexure XVII.**

24. **The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website & shall update the same periodically. Is shall simultaneously be sent to the Regional Office of MoEF the respective Zonal Office of CPCB & the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO2, Nox (ambient levels as well as stack emissions) or criteria sectorial parameters, indicated for the project shall be monitored & displayed at a convenient location near the main gate of the company in the public domain.**

- The board is displayed at the main gate. **See Annexure XVIII.**

25. **The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB & the SPCB.**

- We are submitting. Last report submitted In Dec 2019.

26. **The environment statement for each financial year ending 31st March in Form-V as in mandated to be submitted by the project proponent 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 EC conditions & shall be sent to the respective Regional Offices of MoEF by e-mail.**

- We are submitting it within the time frame. **See Annexure XIX**

Annexure-I		
DORF KETAL CHEMICALS INDIA PVT.LTD.LOTE PARSHURAM		
CETP DISCHARGE WATER METER READING		
Month	**Sep-20**	

Sr.No.	Date	Initial reading	Final Reading	Discharge qty.in m3
1	05-01-2020	10211	10223	12
2	05-02-2020	10223	10235	12
3	05-03-2020	10235	10246	11
4	05-04-2020	10246	10257	11
5	05-05-2020	10257	10268	11
6	05-06-2020	10268	10279	11
7	05-07-2020	10279	10290	11
8	05-08-2020	10290	10301	11
9	05-09-2020	10301	10312	11
10	05-10-2020	10312	10324	12
11	05-11-2020	10324	10336	12
12	05-12-2020	10336	10348	12
13	13/5/2020	10348	10360	12
14	14/5/2020	10360	10369	9
15	15/5/2020	10369	10378	9
16	16/5/2020	10378	10387	9
17	17/5/2020	10387	10396	9
18	18/5/2020	10396	10406	10
19	19/5/2020	10406	10416	10
20	20/5/2020	10416	10426	10
21	21/5/2020	10426	10436	10
22	22/5/2020	10436	10446	10
23	23/5/2020	10446	10456	10
24	24/5/2020	10456	10468	12
25	25/5/2020	10468	10480	12
26	26/5/2020	10480	10492	12
27	27/5/2020	10492	10504	12
28	28/5/2020	10504	10516	12
29	29/5/2020	10516	10528	12
30	30/5/2020	10528	10540	12
31	31/5/2020	10540	10552	12

Annexture II

DORF KETAL	GROUP RISK / IMPACT ASSESSMENT (GRA) /HIRA /EAI	Doc. No. : DKC/HSE/FM/111 Date : 15/09/2014 Rev.No. : 04
Site :Filtra Lote	Dept/Section:3.5 xylenol System /PRODUCT /STEP :Tunnel reactor	GRA # : (DKL/Prodn/3.5 xylenol/GRA/005.) Rev. No. : 00
SCOPE :Iso phoronee cracking in tunnel reactor no, 2 by using Reactor No.3 as pre heater		Date : 15/03/2017
GROUP MEMBERS PRESENT : Satish jagdale,Sandeep Mohite,Vishwas khadilkar,Vijay Palav,Sajid Mujawar		Page : 1 .....of ......

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	EXISTING OPERATIONAL CONTROL / LEVEL OF PROTECTION	INITIAL NAKED RISK			ADDITIONAL CONTROL	RISK AFTER ADDITIONAL CONTROL			[illegible]
							CONSEQUENCE	PROBABILITY	RISK		CONSEQUENCE	PROBABILITY	RISK	
1	Isophorane transfer from ST to Day Tank	Material transfer-Leakage	Soil/water contamination	R/E	N	1-MS pipeline 2-flange guard 3-Trained operator 4-bund wall for day tank	6	1	6	1-Secondary containment for tranfer pump 2-Dyke provision for day tank	3	1	3	
		Spalsh	Injury,Burn	R/E	N	1-MS pipeline 2-flange guard 3-Trained operator 4-Checklist	2	1	2	Peridic inspection and testing of ss braded hose				
		Fire	burn injury,property loss	R/E	N	1-Earthing provision 2-FLP pump 3-Area restricted for hot work 4-Jumpeers provision	4	1	4	Pump tripping provision for earthing discontinue				
2	Isophorane feeding to oil preheter	hot oil	burn injury,property loss	R/E	N	1-Flange guard provided	4	1	4					
3	Isophorane from oil preheater feeding to PH 102	Hot reaction mass	burn injury,property loss	R/E	N	1-Flange guard provided 2-Sprial wound gasket used	4	1	4					
4	Isophorane feeding PH-102 to reactor TR-103(used as preheater)--New modification	Material transfer	Soil/water contamination	R/E	N	1-SS pipeline with hydrotest/DP or radiography 2-flange guard 3-Sprial wound gasket used 4-Trained operator	6	1	6					
		Spalsh/hot surface	Injury,Burn	R/E	N	1-SS pipeline with hydrotest/DP or radiography 2-flange guard 3-Sprial wound gasket used 4- Insulation provision for hot surface 5-Trained operator 6-PPE provided	2	1	2					
5	High Temp.Isophorane feeding from TR-103 to TR-102--New modification	Material transfer	Soil/water contamination	R/E	N	1-SS pipeline with hydrotest/DP or radiography 2-flange guard 3-Trained operator 4-New metallic gascate usedeverytime	6	1	6					

		Spalsh/hot surface/Joint lekage	Injury,Burn,Fire	R/E	N	1-SS pipeline with hydrotest/DP or radiography and Hot boalting 2-flange guard 3-Insulation provision for hot surface 4-Trained operator 5-PPE provided 6-New metallic escape ueedeyrstime	2	4	8					
		Electric shock	Burn injury,Human loss	R/E	N	1-Insulated closed heaters 2-Double earthing provision 3-MCCB provided	4	1	4	1-Physical isolation of T-103 unused zone 3 & 4 heater 2-T-103 heater temperature setting change 620 degree to 450-500 degree 3-Training to concerned operators and close supervision from Plant Personnel				
6	Isophorane Cracking in reactor TR 102	Metane generation/leakage	air pollution	R/E	N	1-Pressure switch for receiver tank with interlock to feed pump. 2-PRV,SRV provision 3-Leakproof fittings	6	1	6	Methane detectior provision				
		Metane generation/leakage	Breathing problem	R/E	N	1-Pressure switch for receiver tank with interlock to feed pump.2-PRV,SRV provision 3-Leakproof fittings 4-Multi gas cartiage mask 5-SCBA provision	6	1	6	1-Selfcontained breathing appratus 2-Medical oxygen cylinder				
		Fire due to metane leakage	burn injury,property loss	R/E	N	1-Leakproof fittings 2-Flameproof fitting 3-Workpermit system -hot work 4-Fire extinguishers 5-Hydrant system in auto mode 6-Fire door provision	6	1	6	Methane detectior provision				
7		Reaction mass generation/leakage	air/water/soil pollution	R/E	N	1-Pressure switch for receiver tank with interlock to feed pump. 2-PRV,SRV provision 3-Leakproof fittings 4-electrical acchuator valve provision with level transmeter	6	1	6					
8	Isophorane Cracking in reactor T-102	Reaction mass generation/leakage	Breathing problem	R/E	N	1-Pressure switch for receiver tank with interlock to feed pump .2-PRV,SRV provision 3-Leakproof fittings 4-electrical acchuator valve provision with level transmeter 5-SCBA provision	6	1	6					
		Fire due to metane & reaction mass vapour	burn injury,property loss	R/E	N	1-Testing for leakproof system by N2 pressure testing 2 Leakproof fittings with hot bolting 3-Flameproof fitting . 4-Workpermit system -hot work .	6	1	6	1-Medical oxygen cylinder				

9	Reaction mass condensation	Reaction mass leakage	air/water/soil pollution	R/E	N	1-Pressure switch for receiver tank V-113B with interlock to feed pump.2-PRV,SRV provision V-113B 3-Leakproof fittings 4-electrical acchuator valve provision with level transmeter 5-Meathane catchpot with scrubber provision	6	1	6					
		Static charge/Temp.rise due excess flow rate	Fire,explosion,	R/E	N	1-Double earthing provision 2-Spiral wound gasket used 3-Secondary water condenser provision for temperature maintain (75-80 degree)	4	1	4					
10	Reaction mass transfer from V-113 B to T 103/109	Reaction mass transfer to T 109 /103 leakage	air/water/soil pollution	R/E	N	1-Hooter provision for material transfer 2-Leakprrof fittings 3-flange guards 4-Level guage to T 109 5-V-113 B provided PRV/SRV 5-,Pressure &Temp Guage 6-Pressure switch for interlock	4	1	4					
		Reaction mass transfer to T 109/leakage/splash	Burn injury,breathing problem	R/E	N	1--Leakprrof fittings 2-flange guards 3-Automatic level maintain by achuator with level interlock 4-Level guage to T 109 5-Full body protection 6-SCBA	6	1	6					
	Reaction Mass transfer from T 109 to R101/108	Reaction mass generation/leakage	air/water/soil pollution	R/E	N	1-Flange guard 2-Metallic Gasket packing	4	1	4					
	Reaction Mass transfer from T 109 to R101/108	Reaction mass generation/leakage	Burn injury	R/E	N	1-Flange guard 2-Metallic Gasket packing 3-PPE.s Provided	4	1	1					
		Fire due to lowers in reaction mass	burn injury,property loss	R/E	N	1-Flange guard 2-Metallic Gasket packing 3-PPE.s Provided 4-Workpermit system -hot work .	6	1	6	1-Medical oxygen cylinder				
		Steam flushing to transfer line -leakage	Burn	R/E	N	1-Nozzle provision for steam hose fitting 2-Hose clips provision	4	1	4					
9	Reaction mass crystallization in R-101/108	Reactor heating before transfer at 100 degree-High temparature	air pollution	R/E	N	1-Vent open to atmosphere	6	2	12	1-Vent connected to scrubber	4	1	4	
	Crystal slurry from R-101/108 drain to Basket filter and centrifuging	Centrifuging	air pollution	R/E	N	1-Vent open to atmosphere	6	2	12	1-Vent connected to scrubber	4	1	4	

		Human exposure	Breathing issue,Skin irritation,eye ieeitation	R/C	N	1-Multigas gartiage mask provision 2-Apron and required PPEs 3-Periodic medical ckeckup 4-Trained operator								
		Static charge	Fire,explosion,	R/C	N	1-Double earthing provision 2-Continue Nitrogen purging 3-Water washing 4-MS drum for crystal collection	4	1	4					
	Crystal charging to R-104 and melting at degree	Human exposure	Breathing issue,Skin irritation,eye ieeitation	R/C	N	1-Multigas gartiage mask provision 2-Apron and required PPEs 3-Periodic medical ckeckup 4-Trained operator								
	Reaction mass transfer from V-113 B to T 103/109	Reaction mass transfer to T 109 /103 leakage	air/water/soil pollution	R/E	N	1-Hooter provision for material transfer 2-Leakprrof fittings 3-flange guards 4-Level guage to T 109 5-V-113 B provided PRV/SRV ,Pressure &Temp Guage 6-Pressure switch for interlock	4	1	4					
		Reaction mass transfer to T 109/leakage/splash	Burn injury,breathing problem	R/E	N	1--Leakprrof fittings 2-flange guards 3-Automatic level maintain by achuator with level interlock 4-Level guage to T 109 5-Full body protection 6-SCBA	6	1	6					

Legal Requirements Applicability:		Yes (if yes , write it below)	No	Action By (in case of non-compliance)			Date of Compliance
SN	Applicable Rule / Act	Requirement (what is expected)	Compliance Status (Yes / No)				
	The Factories Act , 1948	Use of PPEs	YES				
	The Factories Act , 1948	Protection of Eyes	YES				
	The Factories Act , 1948	Provision for fire protection	YES				
	The Factories Act , 1948	Provision of training to employees	YES				
	The Factories Act , 1948	Decontamination Facilities	YES				
	The Factories Act , 1948	Periodical testing of Storage tanks	YES				
	The Factories Act , 1948	Availability of OHC and Ambulance Van	YES				
	Environment Protection Act	Compliance of CCA	YES				
	Hazardous waste management handling and transboundary	compliance					

Amendment Records:

Approved By (Site Head) : Remark and Sign :

Abbreviations : N/AB/E/D/ID – Normal /Abnormal /Emergency and Direct/Indirect HIRA : Hazard Identification & Risk Assessment EAI : Environmental Aspect & Impact
Activity : Routine (R), Non-Routine (NR), Done by : Employee (E), Contractor (C)

Note: please look for the following potential

1] Environmental aspects/impacts: Water/Land/Air pollution, Noise pollution, Depletion of Natural Resources, Odor, Generation of intermediate product-waste & their disposal
2] Hazard/Risk : Injury, fire, explosion, toxic gas release, property damage, spillages
3] Consider the human behavior, capabilities and other human factors
Risk Estimation : 30-50 : Extreme Risk, 10 -28 : High (Significant Risk), 6-9 : Moderate Risk, 1-5 Low Risk,

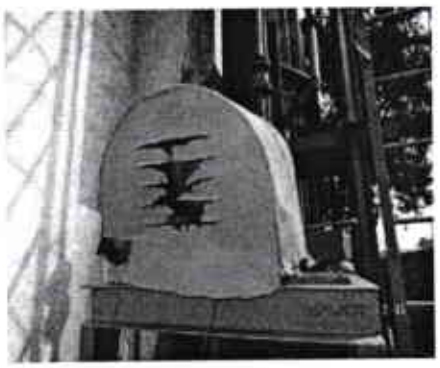
ANNEXURE -III

Ware house BEFORE

Ware house AFTER

Blower & motar BEFORE

Blower & motar AFTER



Motar guard BEFORE

Motar guard AFTER

ANNEX- IV

GADARK LAB PVT. LTD.

INDUSTRIAL ANALYSTS & CONSULTANTS

LAB. : H-54, Additional M.I.D.C. Kudal, Taluka - Kudal, District - Sindhudurg - 416 525.
Tel. : (02362) 223519 • E-mail : info@gadark.in • Website : www.gadark.in

OFF. : 15, Hindustan Kohinoor Industrial Complex, L.B.S. Marg, Vikhroli (West), Mumbai - 83.
Tel. : (022) 25777069 / 70

TEST CERTIFICATE

Doc.No : GLPL/QF/7.8/01

Test Certificate No.	GA/DKC/0201/20	**T. C. Date**	22/02/2020
Customer Name and Address	**M/s. DORF KETAL CHEMICALS (I) PVT. LTD. LOTE UNIT, B-52/3, MIDC, LOTE PARSHURAM, TAL. – KHED, DIST. – RATNAGIRI – 415 722.**		
Letter Ref / Date .	---	**Page No.**	1 of 1
Sampling Done By	GLPL	**Sample Received on**	19/02/2020
Sampling Type	Monthly	**Analysis Period**	19/02/2020 To 20/02/2020

SAMPLING DETAILS - STACK EMISSION

Stack No.	S – 7
Stack Attached to	D. G. Set No. 555A (125 KVA) [Catalysts Plant]
Stack Dimension [mm]	203.2
Stack Height [M]	3.5
Date of Sample Collection	17/02/2020
Time of Sampling [Hrs.]	16:45
Temperature of flue gas [°C]	345
Average flue gas velocity [m/s]	18.5
Average volume of flue gas discharged [m³/hr]	1039

ANALYSIS REPORT :

Parameter	Units	D.G. Set No. 555A (125 KVA)	M.P.C.B. Limits	Sampling & Analysis Method
TPM / SPM	mg/Nm³	54	150.0	Laboratory Analytical Techniques / 80 / 2013-14 / CPCB
Sulphur Dioxide	Nm³	17		
	kg/day	1.5	***	
NOx	mg/Nm³	1	Not Specified	

Note :- * The limit for SO_2 is 3[illegible] kg/day for all stacks combined as per the consent.**

End

For GADARK LAB PVT. LTD.

AUTHORISED SIGNATORY
[KAILAS V. CHITALKAR]

CHECKED BY

Note :
1. The results relate only to the samples tested
2. Test certificate shall not be reproduced except in full, without written approval of the laboratory.
3. Samples will be disposed off after 30 days from the date of issue of report.
4. Test Results meet the standards prevailing at the time of testing.
5. Customer complaints, if any, should reach at laboratory within 7 days.

GA K B PVT. LTD.

TS & CONSULTANTS

LAB. : H-54, Ad Ku a - Kudal, District - Sindhudurg - 416 525.

Tel. : (adark.in • Website : www.gadark.in

15, Hindus x, L.B.S. Marg, Vikhroli (West), Mumbai - 83.

Tel. : 2 777069 / 70

ATE

Doc.No : GLPL/QF/7.8/02

Test C			T. C. Date	04/06/2020
Custo Name and Addre	M/s. D KETAL CHE (I) PVT. LTD. LOTE PARSHURAM, TAL. – KHED, DIST.			
Letter ite.	---	No.	1 of 1	
Sampl ie		eived on	01/06/2020	
Samp	GLP	eriod	01/06/2020 To 02/06/2020	

SAMPL - STAC SION

Stack N	S – 7
Stack A	D. G. Set No. 555A (125 KVA) [Catalysts Plant]
Stack I	203.2
Stack I	3.5
Date o	29/05/2020
Time o	17:05
Tempe C]	358
Averag y [m	18.2
Averag gas d	1004

ANALYS

Par		C. Limits	Sampling & Analysis Method
TPM /	m³	150.0	Laboratory Analytical Techniques / 80 / 2013-14 / CPCB
Sulphu	m³ day	***	
NOx		Specified	

Note :- * O_2 bined as per the consent.

For GA

AUTHOR Y
[KAILAS

CHECKED BY

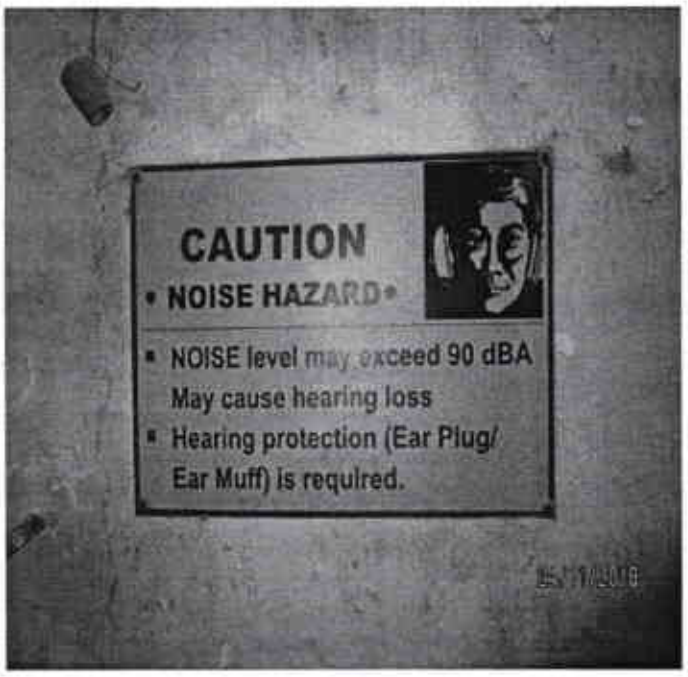
Note :
1. The results
2. Test certif
3. Samples w
4. Test Result
5. Customer co at labora

ANNEXTURE -V

Dedicated Storm Water Gutter

ANNEXURE-VI

Cautionary Display for High Noise areas



ANNEX - VII

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.	GA/19/07/204	**T.C. Date :**	18/07/2019
Customer Name and Address.	**M/s. DORF KETAL CHEMICALS (I) PVT. LTD. LOTE UNIT, B-52/3, MIDC LOTE PARSHURAM, TAL. – KHED, DIST. – RATNAGIRI – 415 722.**		
Letter Ref / Date .	---		
Measurement Done By	GLPL	**Page No.**	1 of 1

NOISE LEVEL MEASUREMENT :

Date of Measurement	12/07/2019

Sr. No.	LOCATION	NOISE LEVEL dB (A)	
		DAY TIME 11:30 HRS.	NIGHT TIME 22:15 HRS.
01	Near 3, 5 Xylenol Plant	69.9	66.9
02	Near Catalysts Plant	70.4	68.6
03	Near Main Gate	57.4	56.2
	M.P.C.B. LIMITS	75.0	70.0

End

For **GADARK LAB PVT. LTD.**

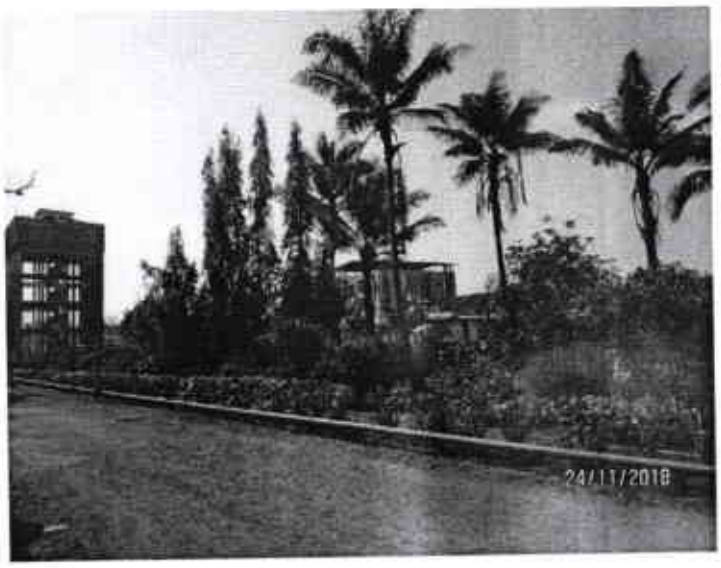
AUTHORISED SIGNATORY
[KAILAS V. CHITALKAR]

CHECKED BY

Note :
1. The results relate only to the samples tested
2. Test certificate shall not be reproduced except in full, without written approval of the laboratory.
3. Test Results relate only to the conditions prevailing at the time of testing.
4. Customer complaint register is available at laboratory.

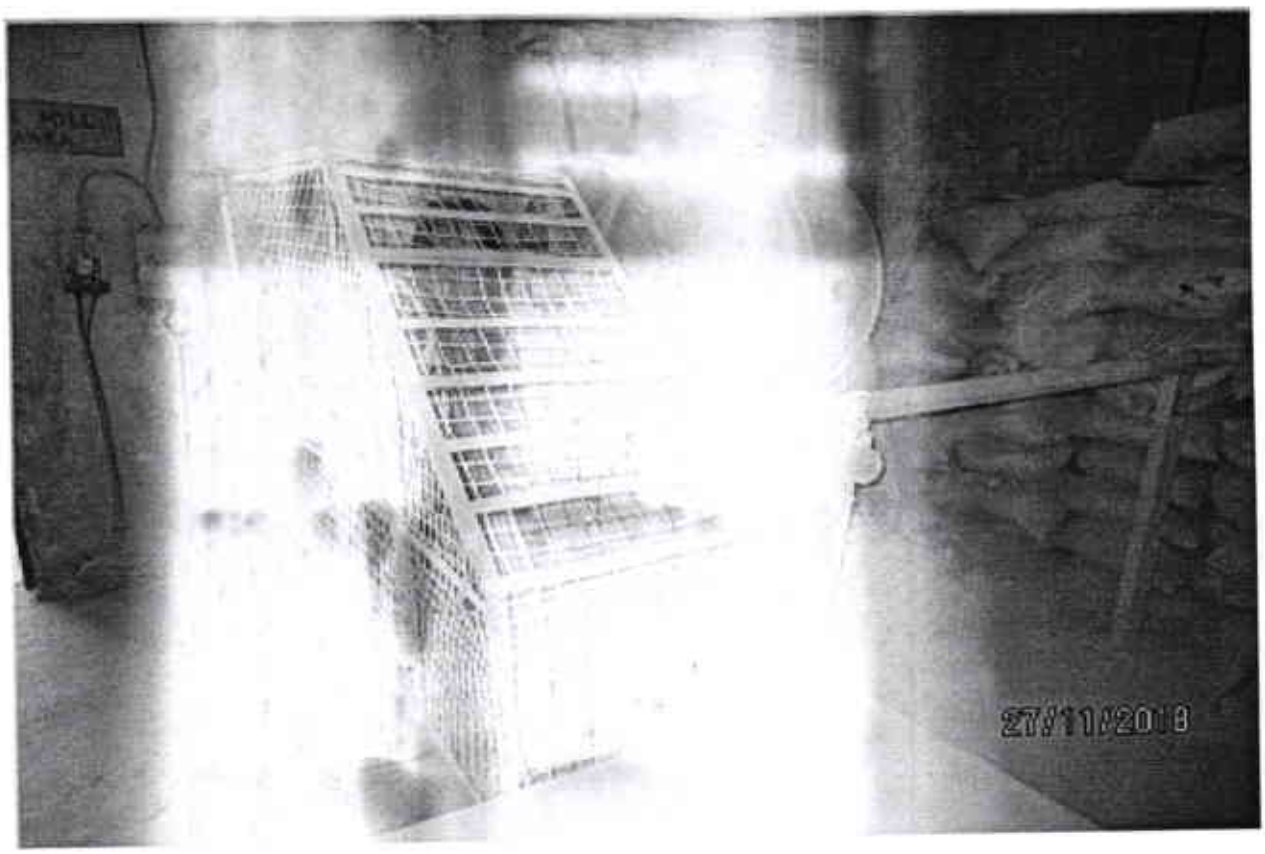
ANNEXURE –VIII

Green Belt area maintained



ANNEXURE –IX

Safety Interlock and barriers



ANNEX – X

(1)

DORF KETAL CHEMICALS INDIA PVT. LTD. LOTE UNIT

RECORD OF PERIODICAL MEDICAL EXAM.

Name of Candidate:- Mr. Anant S. Gaikwad **Date of Examination – 08/07/2019**

Age –47 Yrs. **Sex - M**

1	**HEIGHT-** 165 Cms	2	**WEIGHT-** 71 Kgs			
3	**CHEST MEASUREMENTS**	Full Inspiration	94 Cms.	Full Expiration	89 Cms.	
		Range Of Expansion	05 Cms.			
4	**VISION**		**Distant**		**Near**	
			Rt.	Lt.	Rt.	Lt.
		Without Glasses	-	-	-	-
		With Glasses	6/6	6/6	N/6	N/6
		Colour Vision	N	N	-	-
		Any defect detected				
5	**EARS**		Rt.	Lt.	Details of disease, if detected	
		Whisper Voice	Heard	Heard	-	
		Drum Membrane	Intact	Intact	-	
		Any discharge	Nil	Nil	-	
6	**TEETH**					
7	**NASAL PASSAGE & THROAT**					
8	**SINUSES**					
9	**PULSE**					
10	**BLOOD PRESSURE**	Systolic 110 mm Hg		Diastolic	70 mm Hg	
11	**ANY CHEST DEFORMITY**	NO				
12	**HEART**	S1, S2 NO MURMURS				
13	**LUNGS**	RESPIRATIOUS SOUNDS HEARD				
14	**ABDOMEN**			Any Tenderness : NO		
15	**HERNIA**					
16	**HYDROCELE/ VARICOCELE**					
17	**PILES**					
18	**VARICOSE VEINS**					
19	**LIMBS**		Rt. N N	Lt. N N		
20	**SKIN**					
21	**LYMPH GLANDS**					
22	**NERVOUS SYSTEM**	Abnormal Behavior Speech Cranial Nerves Motor System Sensory System Reflexes	W N L			
23	**DETAILS OF DISEASE, IF DETECTED**					
24	**SPECIAL OPINION IF ANY**	-				
25	**REMARKS OF EXAMINING DOCTOR**	PHYSICALLY FIT				

PLACE : LOTE PARSHURAM

DATE : 08/07/2019

Dr. Vai

M.B.B.S

Reg. No.

Dr. Mrs. Vaishali Jadhav

MBBS, DA (MUM), AFIH (CLI MUM)

Skin Care Clinic

CERTIFYING SURGEON

(Ratnagiri)

Hemant Commercial Complex, 1st Floor, Swarvihar Griha-Sankul, Beside Ganpati Mandir, Near Parkar Complex, Chiplun, Dist. Ratnagiri - 415 605 ☎(02355) 261001.

LABORATORY INVESTIGATION REPORTS

Name : Mr Anant Gaiykwad Sex & Age : M/47Yrs Date : 08/07/2019

Company : Dorf Ketal Chemicals India Pvt. Ltd. Lote Unit (Staff)

Test		Result	Unit	Normal Range
Haematology				
Haemoglobin	:	13.80	gm/dl	12.0 – 16.0 gm/dl
Total WBC Count	:	5600	/Cumm	4000 – 11000 /cumm
Differential WBC Count	:			
Neutrophils	:	55	%	50 – 70 %
Lymphocytes	:	40	%	20 – 40 %
Eosinophils	:	03	%	1 – 6 %
Monocytes	:	02	%	2 – 10 %
Basophils	:	00	%	0 – 1 %
Platelets on smear	:	Adequate		
RBC Morphology	:	Normochromic, Normocytic		
WBC Abnormality	:	Nil		
E.S.R. (Westergren method)	:	09	mm/ Ist hr	0 – 20 mm
Biochemistry				
Blood Sugar Random	:	92.3	mg/dl	70 – 140 mg/dl
Serum Cholestrol	:	120.2	mg/dl	Up to 200mg/dl
S.G.P.T. (IFCC)	:	37.0	IU/L	0 – 40 IU/L
Serum Creatinine	:	0.92	mg/dl	0.8 – 1.4 mg/dl

Urine Routine & Microscopy

Colour	: Pale Yellow	Glucose	: Absent	Casts	: Absent
Appearance	: Clear	Proteins	: Absent	Crystals	: Absent
Reaction	: Acidic	Bile Salts/Pigments	: Absent	Epithelial Cells	: 1 – 2 /hpf
Sp.Gravity	: 1010	Ketone	: Absent	Pus cells	: 1 – 2 /hpf
Deposit	: Absent	Occult Blood	: Absent	RBCs	: Absent

Dr. Vaishali Jadhav
M.B.B.S., D.A., A.F.I.H. (Mum.)
Reg. No. 04172

MILIND DAMLE
M. SC. PGDMLT

Clarity
Clarity Medical Pvt. Ltd.

SPRINGS SKIN & COSMETOLOGY LASER CLINIC PVT. LTD.

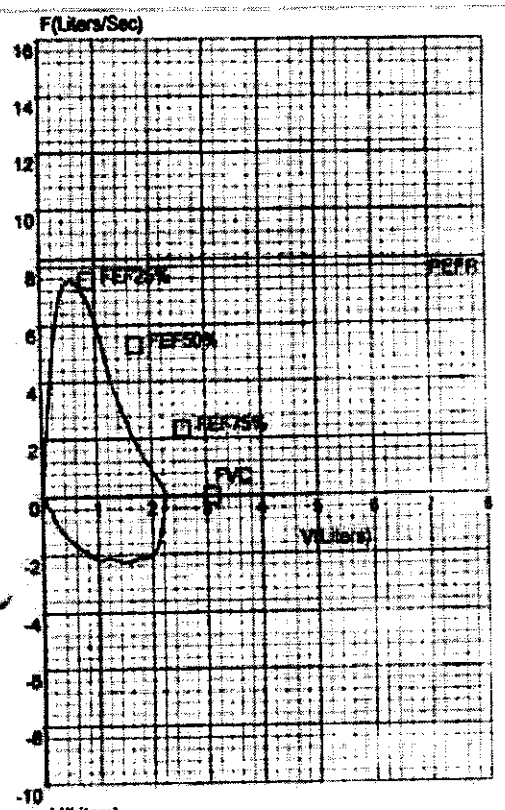
Khend, Hemant Swarvihar Sankul, Near Ganesh Mandir, Tal:- Chiplun, Dist:- Ratnagiri

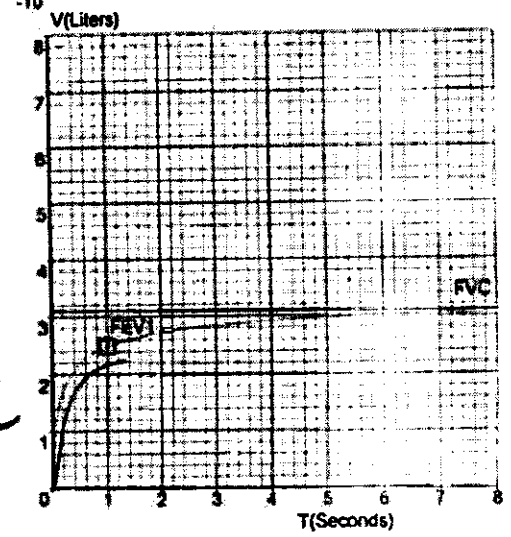
DK2 - ANANT S. GAIKWAD
47 Years / Male / Ht 165 Cms /71 Kgs / Non-Smoker

FVC TEST

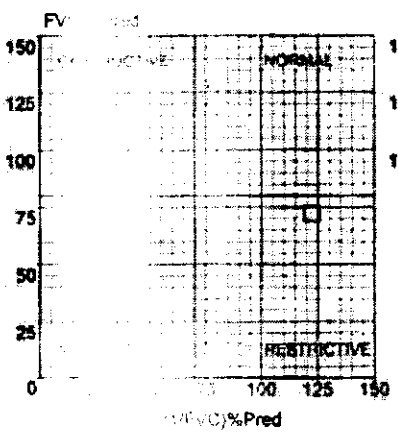
Date: 08-07-2019 (T1)

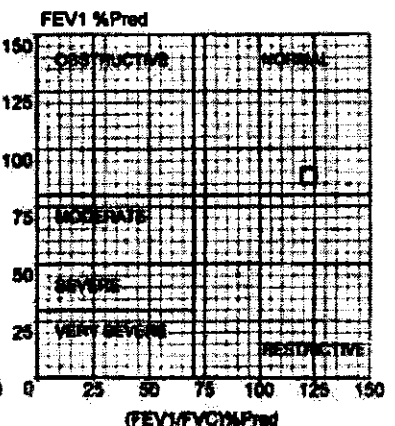
Pred Eqn : CLARITY **Eth.Corr : 100** **Temp : 0°C**
Ref By : NONE





Parameter		Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L]	3.10	2.24	72	–	–	–
FEV1	[L]	2.48	2.19	88	–	–	–
FEV.5	[L]	–	1.88	–	–	–	–
FEV3	[L]	3.01	–	–	–	–	–
FEV6	[L]	–	–	–	–	–	–
PEFR	[L/s]	8.25	7.57	92	–	–	–
FEF25-75	[L/s]	3.53	5.03	142	–	–	–
FEF75-85	[L/s]	–	1.63	–	–	–	–
FEF.2-1.2	[L/s]	6.16	6.35	103	–	–	–
FEF25%	[L/s]	7.57	8.60	114	–	–	–
FEF50%	[L/s]	5.28	5.64	107	–	–	–
FEF75%	[L/s]	2.36	1.99	84	–	–	–
FEV.5/FVC	[%]	–	84.04	–	–	–	–
FEV1/FVC	[%]	80.05	97.90	122	–	–	–
F VC	[%]	97.00	–	–	–	–	–
F VC	[%]	–	–	–	–	–	–
F V6	[%]	–	–	–	–	–	–
F	[S]	–	1.17	–	–	–	–
E ime	[S]	–	0.11	–	–	–	–
L e	[Y]	47.00	53.00	113	–	–	–
F	[L]	–	2.20	–	–	–	–
P	[L/s]	–	2.28	–	–	–	–
F	[L/s]	–	8.61	–	–	–	–
F	[L/s]	–	6.74	–	–	–	–
F	[L/s]	–	2.76	–	–	–	–
FIV.5	[L]	–	0.02	–	–	–	–
F	[L]	–	0.99	–	–	–	–
F	[L]	–	–	–	–	–	–
F VC	[%]	–	0.72	–	–	–	–
F	[%]	–	44.80	–	–	–	–





- Pre Medication Report :
Spirometery shows Mild Restriction as FVC% < 80 A nd FEV1/FVC% > 70

- Pre COPD Severity Report:
Pre Test within Normal range

- Doctor's Comments : Within Normal Limits

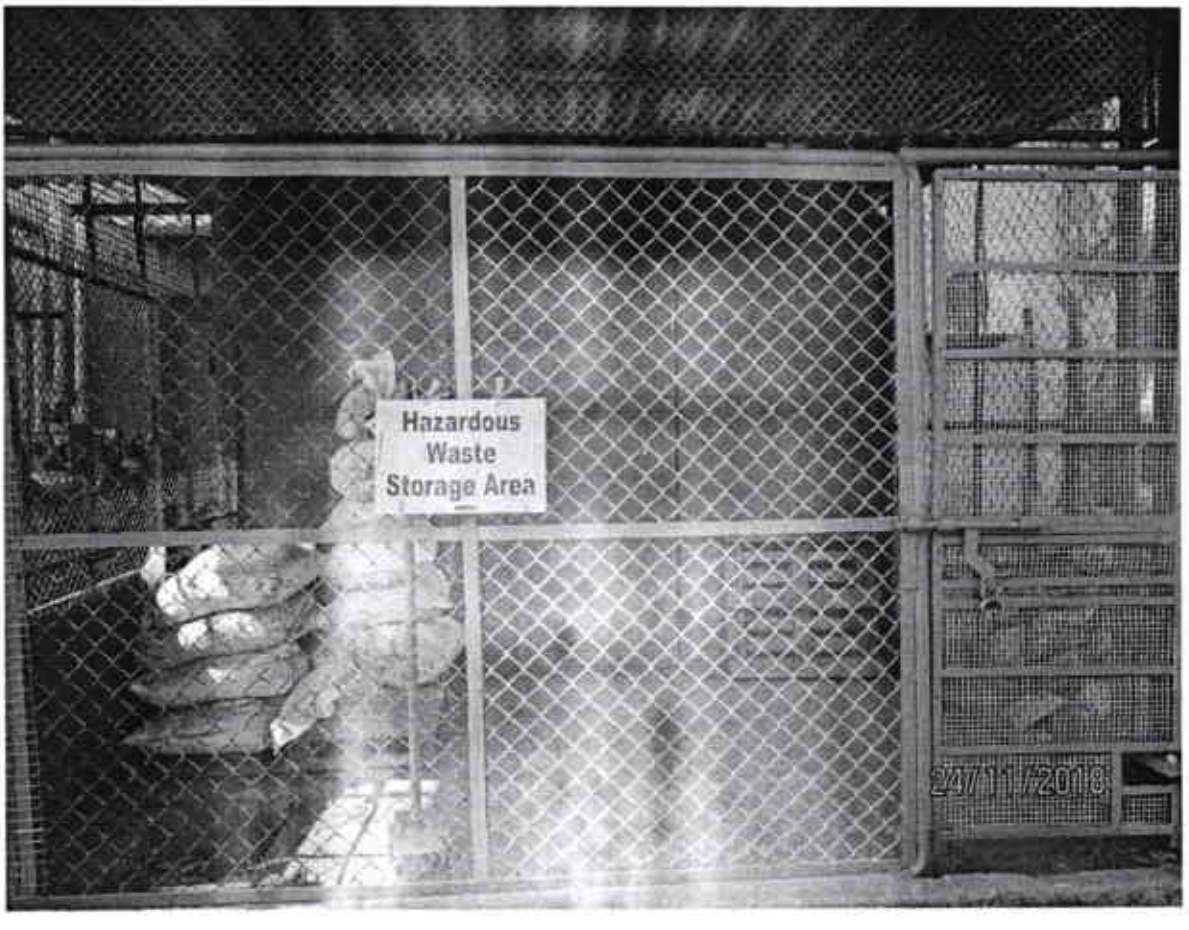
SPRINGS ★ SKIN & COSMETOLOGY ★ A Sheelge NONE NA

ANNEXURE – XI

FIRE HYDRANT AND EXTINGUISHERS (FIRE PROTECTION SYSTEM)

ANNEXURE- XII

Dedicated Hazardous waste storage area with Lock and Key Provision



ANNEX- XIII

DORF KETAL	Dorfketal Chemicals I.Pvt.Ltd MOCK DRILL REPORT	Doc. No.: DKC/HSE/FM/ 112 Date: 01/01/2013 Rev. No.: 00, Page 1 of 3

SITE : Lote	**Dept./Location of drill : Tank farm-FO storage tank**
DRILL TYPE (*Declared / Surprise*): **Declared**	**Drill Type** (*L1-Localised / L2-Site Level / L3-Off Site*) :L-2
Date of drill: 29/05/2020	**Duration of drill:** From: 2.35 pm To: 2.46 pm Total Time : 11.00 Minutes
Emergency Situation (assumed):FO transfer pump catch fire during transfer	

Names of Persons Participated in the Drill

SMC : Suresh Kadve	SIC :Manoj Shinde	First Observer :S.R.kasar
Duty Security officer : A.A.Mhadlekar	HSE/Fire officer :V.P.khadilkar	Doctor/Male Nurse :

Names of Emergency Response Team / Squad members :

1. S.R.Kasar	2. S.V.Ambre	3. Avinash Bhombad
4. N.N.Ambre	5. Baban Bare	6. Sunil Kadam
7. Dinesh Chiplunkar	8. Santosh Chande	

Names (Advisory & Support Team Members) :Vijay Palav, ,Sunil Prajapati

SEQUENCE OF ACTIVITIES

S.N.	Time	Time wise Actions/Activities performed *(Also mention the usage of FFEs/ means of Communication, Ambulance van, external help etc.)*	Performance rating (0-10)
1.	2.35	First Observer seen fire to FO transfer pump and he stopped pump and closed suction valve and communicated in plant by loudly shouting and informed Shift executive about fire	8
2.	2.36	Shift executive (Incident controller) rush to incident location and by sending messenger informed to nearby operator to extinguish fire	8
3.	2.37	Shift executive (Incident controller) personally informed to site main controller about scenario and communicated for emergency evacuation.	8
4.	2.37	By dialing 333 SMC communicated incident to security office and informed to communicate for site evacuation through PA system .SMC Informed HR HOD to contact hospital ;if needed	8
5.	2.37	Emergency site evacuation declared by security officer on PA system	8

6.	2.38	0ther ERT team member reached location after getting location information from PA system	8
7.	2.38	ERT team member wear SCBA and reached location	8
8.	2.38	2 ERT team members reached site and started firefighting to put fire by using monitor and foam	8
9.	2.39	Site evacuation done and employees gather on Assembly Point	8
10.	2.40	ERT team members shifted nearby combustible material safe location	8
11.	2.41	Incident controller informed Site main controller that fire is under control	8
12.	2.42	Site main controller informed security to announce through PA system for All clear	8
13.	2.45	Security Supervisor reported to Site main controller regarding manpower details Total manpower -105 nos.Assembly Point No. 1-78 nos .Assembly point No.2-05 nos.ERT members-08,Observer and support team-5 nos.Security Gate-03 remaining present in 3,5 plant	8
14.	2.46	All observer gather to share observations	8
Mock drill : overall performance rating (0-6 : unsatisfactory, 7-10 satisfactory)			Satisfactory

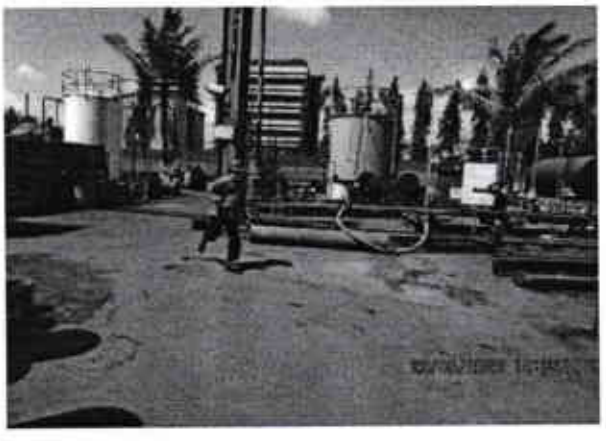
OBSERVATIONS, SUGGESTIONS & CAPA

SN	Observations / Deviations	Action Planned	Action By	Target date	Compliance Status
1.	All project contract employee rush to assembly point immediately				closed
2.	PA system announcement not audible in QC	PA system issue to be resolved	S.Mohite	31/05/2020	closed
3.	Truck driver from tanker not rush to assembly point	Security give training regarding evacuation to all drivers	Security officer	On going	closed
4.	Most employee gather on assembly point No.1	Assembly point no 2 area made clear	Satish Jagdale	10/06/2020	open

Emergency Preparedness Plan & GRA have been reviewed in context of the performance of this drill.

Review Comments*(both the docs are adequate, up to date or need revision)*: both docs are adequate

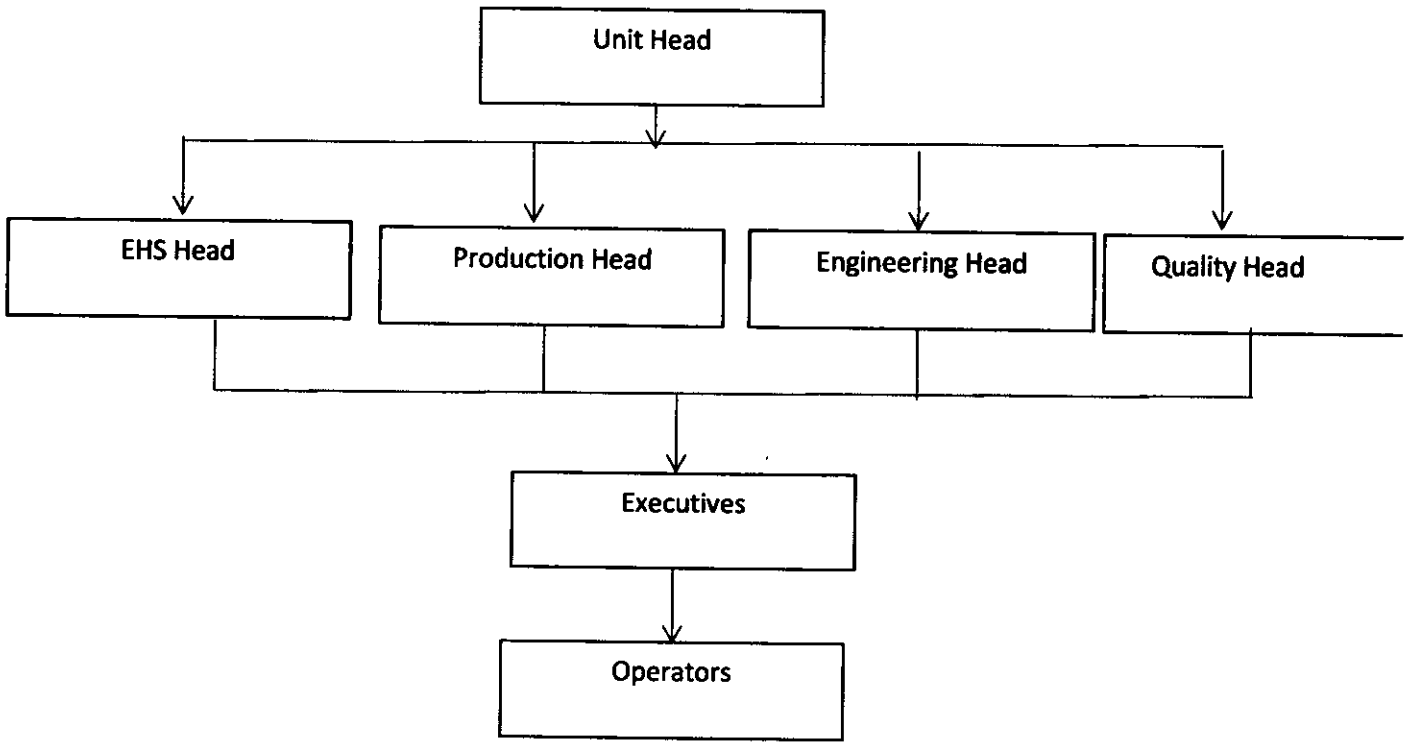
Any Photographs or other supporting documents attached (Yes / No)	YES
Report Released By : V.P.khadilkar	Date:30/05/2020



Annexure -XIV

Dorf Ketal Chemicals India Pvt.Ltd.Lote Parshuram

Environmental Cell



Dorf Ketal Chemicals India Pvt.Ltd. Lote

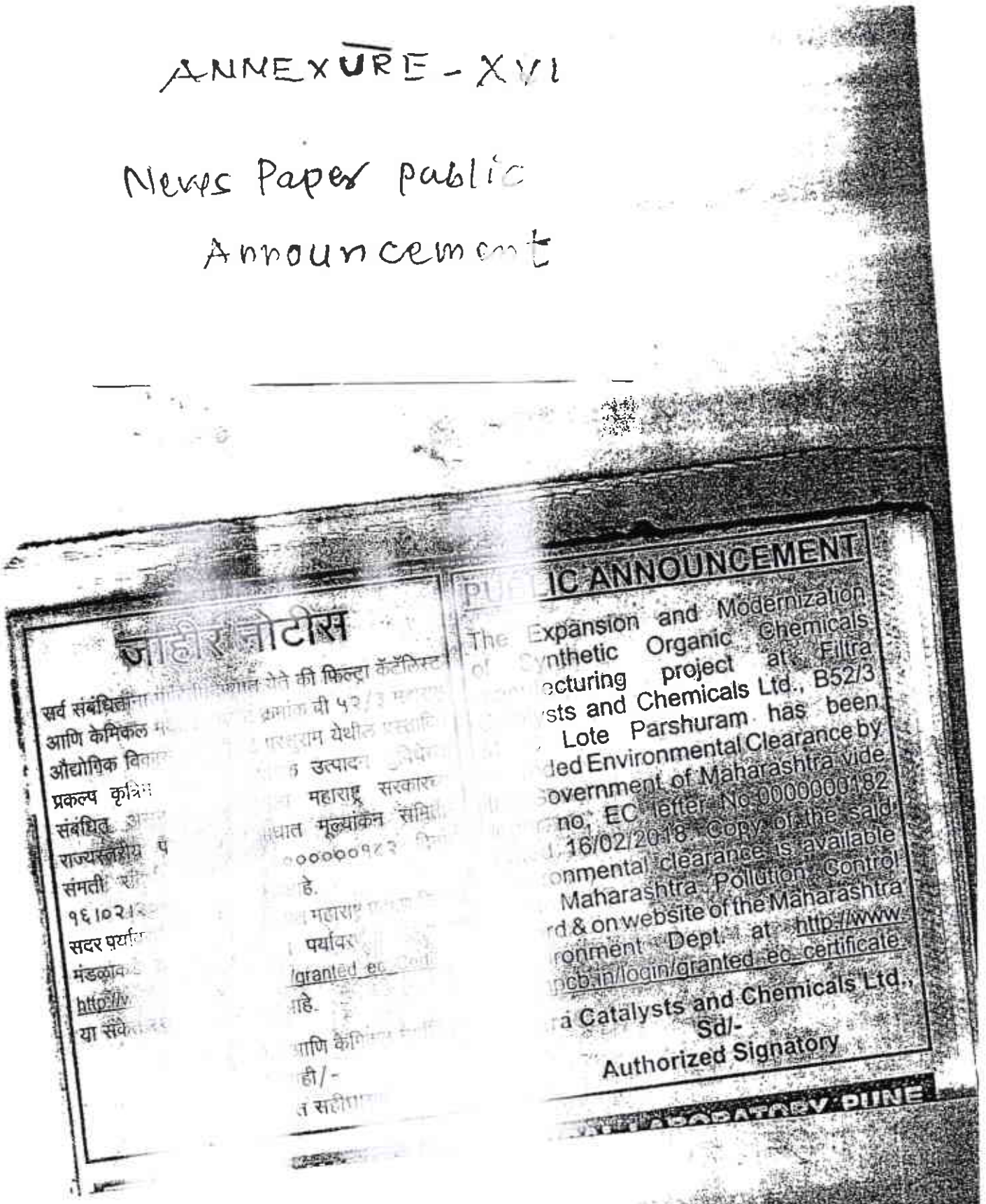
ANNEXURE -XV

Budgets and expenses for environment protection

Sr.No.	Bugets/expenses	Amount in Rs.
1	Environmental monitoring	4,00,000
2	Environmental consultancy/Audit	5,00,000
3	MPCB monitoring	1,00,000
4	Energy billing	2,50,000
5	Hazardous waste disposal	3.00.000
6	Tree plantation /mainteance	50,000
Total		**16,00,000**

ANNEXURE - XVI

News Paper public Announcement



जाहीर नोटीस

सर्व संबंधितांना याद्वारे कळविण्यात येते की फिल्ट्रा कॅटॅलिस्ट
आणि केमिकल्स
औद्योगिक वित
प्रकल्प कृत्रिम
संबंधित
राज्यस्तरीय प
समिती
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क्रमांक बी ५२/३
परशुराम येथील
उत्पाद
महाराष्ट्र सरकार
घात मूल्यांकन समि
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PUBLIC ANNOUNCEMENT

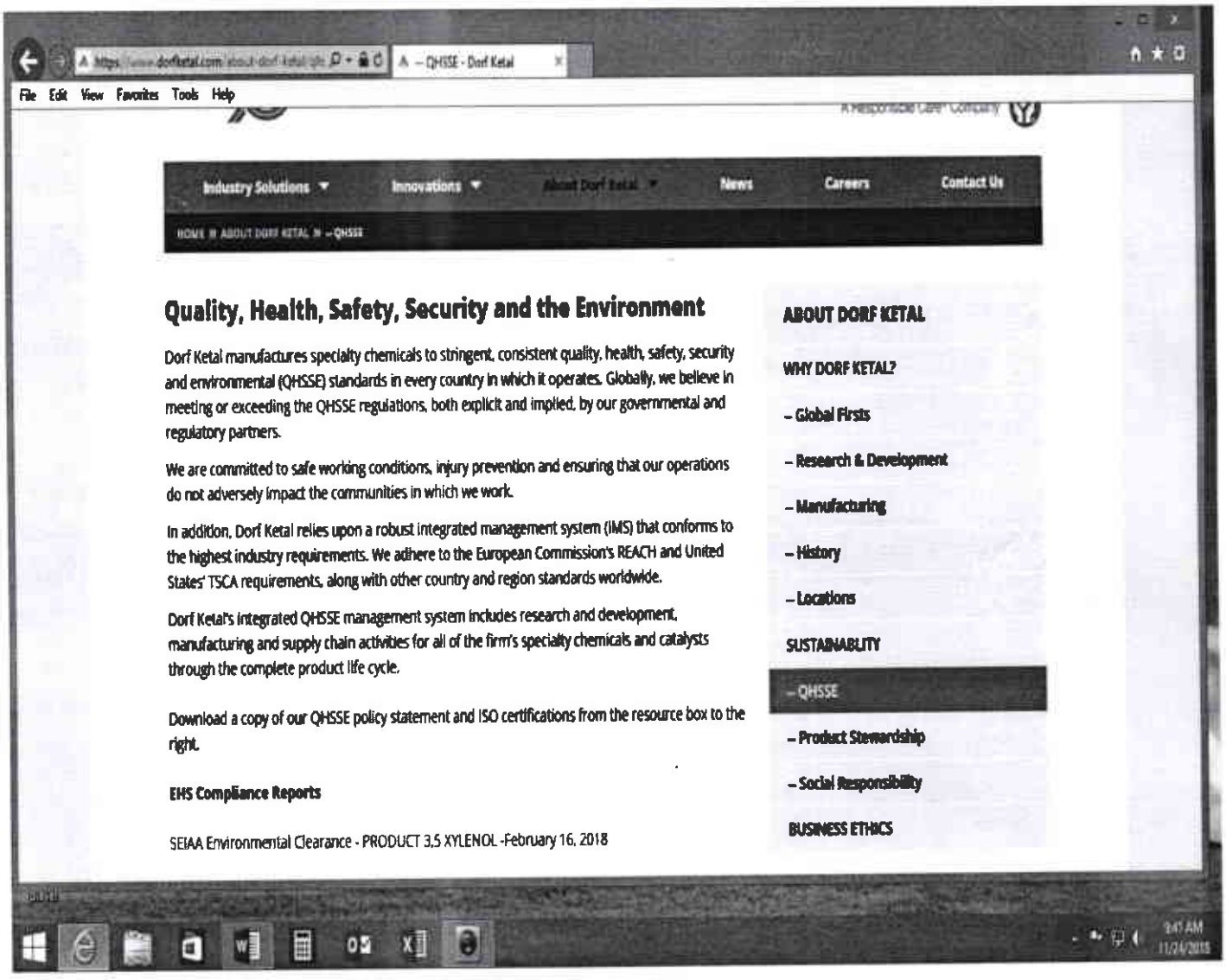
The Expansion and Modernization of Synthetic Organic Chemicals manufacturing project at Filtra Catalysts and Chemicals Ltd., B52/3 MIDC Lote Parshuram has been granted Environmental Clearance by Government of Maharashtra vide no. EC letter No 0000000182 dt. 16/02/2018. Copy of the said environmental clearance is available with Maharashtra Pollution Control Board & on website of the Maharashtra Environment Dept. at http://www.mpcb.in/login/granted_ec_certificate

For Filtra Catalysts and Chemicals Ltd.,
Sd/-
Authorized Signatory

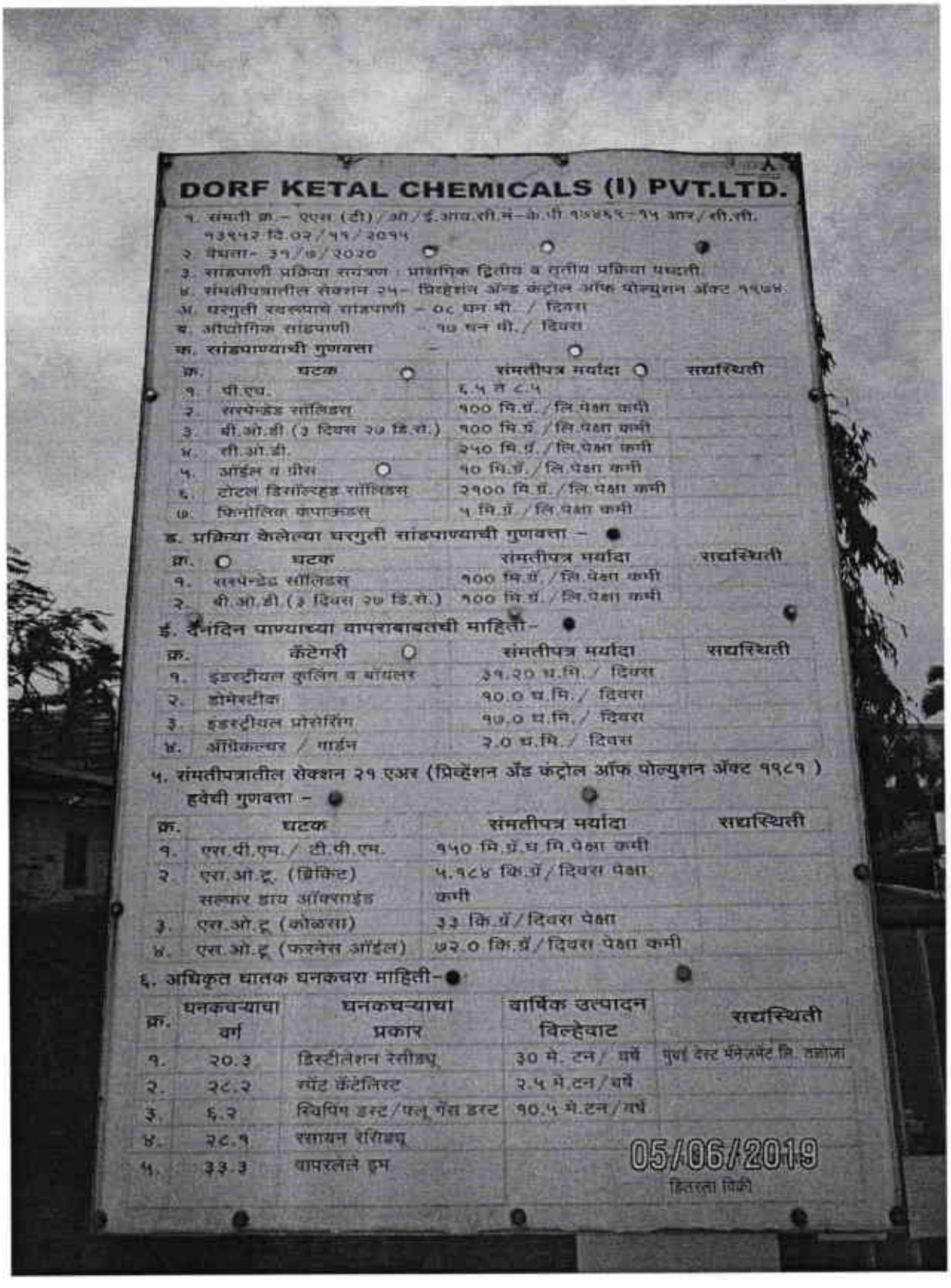
LABORATORY PUNE

Annexure—XVII

EC on company Web site



ANNEX-XVIII



DORF KETAL CHEMICALS (I) PVT.LTD.

१. संमती क्र. – एएस (टी) / जी / ई.आय.सी.नं–के.पी १३४५९ : १५ आर / सी.सी. १३९५२ दि.०२ / ११ / २०१५

२. वैधता– ३१ / ७ / २०२०

३. सांडपाणी प्रक्रिया सयंत्रणा : जैविक द्वितीय व तृतीय प्रक्रिया पध्दती

४. संमतीपत्रातील सेक्शन २५– प्रिव्हेंशन ॲन्ड कंट्रोल ऑफ पोल्युशन ॲक्ट १९७४

अ. घरगुती स्वरूपाचे सांडपाणी – ०८ घन मी. / दिवस

ब. औद्योगिक सांडपाणी – १७ घन मी. / दिवस

क. सांडपाण्याची गुणवत्ता –

क्र.	घटक	संमतीपत्र मर्यादा	सद्यस्थिती
१.	पी.एच.	६.५ ते ८.५	
२.	सस्पेन्डेड सॉलिडस	१०० मि.ग्रॅ. / लि.पेक्षा कमी	
३.	बी.ओ.डी (३ दिवस २७ डि.से.)	१०० मि.ग्रॅ. / लि.पेक्षा कमी	
४.	सी.ओ.डी.	२५० मि.ग्रॅ. / लि.पेक्षा कमी	
५.	ऑईल व ग्रीस	१० मि.ग्रॅ. / लि.पेक्षा कमी	
६.	टोटल डिसॉल्व्हड सॉलिडस	२१०० मि.ग्रॅ. / लि.पेक्षा कमी	
७.	फिनोलिक कंपाऊंडस	१ मि.ग्रॅ. / लि.पेक्षा कमी	

ड. प्रक्रिया केलेल्या घरगुती सांडपाण्याची गुणवत्ता –

क्र.	घटक	संमतीपत्र मर्यादा	सद्यस्थिती
१.	सस्पेन्डेड सॉलिडस	१०० मि.ग्रॅ. / लि.पेक्षा कमी	
२.	बी.ओ.डी (३ दिवस २७ डि.से.)	१०० मि.ग्रॅ. / लि.पेक्षा कमी	

इ. दैनंदिन पाण्याच्या वापराबाबतची माहिती–

क्र.	कॅटेगरी	संमतीपत्र मर्यादा	सद्यस्थिती
१.	इंडस्ट्रीयल कुलिंग व बॉयलर	३१.२० घ.मि. / दिवस	
२.	डोमेस्टीक	१०.० घ.मि. / दिवस	
३.	इंडस्ट्रीयल प्रोसेसिंग	१७.० घ.मि. / दिवस	
४.	ऑग्रिकल्चर / गार्डन	२.० घ.मि. / दिवस	

५. संमतीपत्रातील सेक्शन २१ एअर (प्रिव्हेंशन ॲंड कंट्रोल ऑफ पोल्युशन ॲक्ट १९८१) हवेची गुणवत्ता –

क्र.	घटक	संमतीपत्र मर्यादा	सद्यस्थिती
१.	एस.पी.एम. / टी.पी.एम.	१५० मि.ग्रॅ.घ.मि.पेक्षा कमी	
२	एस.ओ.टू. (ब्रिकेट) सल्फर डाय ऑक्साईड	५.१८४ कि.ग्रॅ / दिवस पेक्षा कमी	
३.	एस.ओ.टू (कोळसा)	३३ कि.ग्रॅ / दिवस पेक्षा	
४.	एस.ओ.टू (फरनेस ऑईल)	७२.० कि.ग्रॅ / दिवस पेक्षा कमी	

६. अधिकृत घातक घनकचरा माहिती–

क्र.	घनकचऱ्याचा वर्ग	घनकचऱ्याचा प्रकार	वार्षिक उत्पादन विल्हेवाट	सद्यस्थिती
१.	२०.३	डिस्टीलेशन रेसीडयू	३० मे. टन / वर्षे	मुंबई वेस्ट मॅनेजमेंट लि. तळोजा
२.	२८.२	स्पेंट कॅटेलिस्ट	२.५ मे.टन / वर्षे	
३.	६.२	स्क्रिपिंग डस्ट / फ्लू गॅस डस्ट	१०.५ मे.टन / वर्षे	
४.	२८.१	रसायन रेसीडयू		
५.	३३.३	वापरलेले ड्रम		

05/06/2019

वितरण विभाग

ANNEX - XIX

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

Environmental Audit Report for the financial Year ending the 31st March 2020

Unique Application Number
MPCB-ENVIRONMENT_STATEMENT-0000027303

Submitted Date
24-09-2020

Company Information

Company Name
M/S. DORF KETAL CHEMICALS INDIA PRIVATE LIMITED.

Application UAN number

Address
Plot No. - B - 52 / 3, MIDC, LOTE PARSHURAM, TAL - KHED, DIST - RATNAGIRI.

Plot no
Plot No. - B - 52 / 3, MIDC

Taluka
KHED

Village
LOTE

Capital Investment (In lakhs)
13.47

Scale
L.S.I

City
Lote

Pincode
415722

Person Name
MR. VISHWAS KHADILKAR

Designation
MANAGER

Telephone Number
02356-272186

Fax Number
--

Email
vishwas.khadilkar@dorfketal.com

Region
SRO-Chiplun

Industry Category
Red

Industry Type
R22 Organic Chemicals manufacturing

Last Environmental statement submitted online
yes

Consent Number
CONSENT ORDER NO. FORMAT 1.0/AS(T)/RO-KP/2018/CC-1809001318

Consent Issue Date
15.09.2018

Consent Valid Upto
31.07.2020

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
3.5 XYLENOL	1200	1168.373	MT/A
ZINC OXIDE DESULPHURISATION CATALYST	2400	190.363	MT/A
MODIFIED ALLUMINA CATALYST OR ALLUMINA ABSORBENTS REFORMING CATALYST.	1200	220.582	MT/A
MIXED OXIDE CATALYST(Cu/Ni BASED)	1200	0.668	MT/A
SABS - 30(CERAMIC BALL)	240.00	0.504	MT/A

By-product Information

By Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
NA	NA	NA	MT/A

1) Water Consumption in m3/day

Water Consumption for	***Consent Quantity in m3/day***	***Actual Quantity in m3/day***

Process	17	15.8
Cooling	31.20	17.25
Domestic	10	7.0
All others	2	1.6
Total	60.2	41.65

1) Effluent Generation in CMD / MLD

Particulars	***Consent Quantity***	***Actual Quantity***	***UOM***
Trade Effluent	17	13	CMD
Domestic Effluent	8	6	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	***During the Previous financial Year***	***During the current Financial year***	***UOM***
3.5 XYLENOL	5.2	5.3	Ton/Ton
ZINC OXIDE DESULPHURISATION CATALYST	1.53	1.51	Ton/Ton
MODIFIED ALLUMINA CATALYST OR ALLUMINA ABSORBENTS REFORMING CATALYST	2.2	2.1	Ton/Ton
MIXED OXIDE CATALYST (CU/NI BASED)	0.75	0.76	Ton/Ton
SABS-30(CERAMIC BALL)	0	0	Ton/Ton

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	***During the Previous financial Year***	***During the current Financial year***	***UOM***
DRIED ALUMINUM GEL / CARAL GP/ MONO ALUMINA HYDRATE	0.67	0.66	Ton/Ton
INDAL ALUMINA HYDRATE	0.52	0.51	Ton/Ton
ZINC OXIDE	0.56	0.56	Ton/Ton
ACETIC ACID	0.014	0.014	Ton/Ton
ATTAPULGITE CLAY	0.52	0.51	Ton/Ton
KAOLIN CLAY	0.029	0.028	Ton/Ton
SODA ASH	0.38	0.36	Ton/Ton
PRECIPITATED SILICA	0.019	0.018	Ton/Ton
COPPER NITRITE	0.13	0.13	Ton/Ton
NICKEL CARBONATE	0.38	0.37	Ton/Ton
ISOPHORONE	1.61	1.59	Ton/Ton
CAUSTIC SODA LYE	0.24	0.26	Ton/Ton
SULFURIC ACID	0.35	0.34	Ton/Ton

4) Fuel Consumption

Fuel Name	***Consent quantity***	***Actual Quantity***	***UOM***
COAL	1204.5	1140.153	MT/A
DIESEL	182.5	58.27	MT/A
LOW BOILER	124.1	55.41	MT/A
HIGH BOILER	102.2	70.26	MT/A

METHANE	326.16	337.148	MT/A

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
PH	--	7.75	--	5.5 - 9.0	FULL FLEDGE ETP IS PROVIDED.
SUSPENDED SOLIDS	0.26	20	-80	Not to Exceed 100 mg/l	FULL FLEDGE ETP IS PROVIDED.
B.O.D.	0.15	12	-60	Not to Exceed 30 mg/l	FULL FLEDGE ETP IS PROVIDED.
C.O.D.	0.67	52	-79	Not to Exceed 250 mg/l	FULL FLEDGE ETP IS PROVIDED.
OIL & GREASE	0.0013	0.1	-99	Not to Exceed 10 mg/l	FULL FLEDGE ETP IS PROVIDED.
TDS	11.83	910	-56	Not to Exceed 2100 mg/l	FULL FLEDGE ETP IS PROVIDED.
PHENOLIC COMPOUND	0.00001	0.001	-99	Not to Exceed 5 mg/l.	FULL FLEDGE ETP IS PROVIDED.

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
TPM/SPM	1.45	35.1	-76	150 Mg/Nm3	MDC IS PROVIDED
SO2	4.14	100.1	-96	105 kg/Day	Imported coal with low sulphur content is used.

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
6.2 Zinc fines or dust or ash or skimmings in dispersible form	5.195	6.775	MT/A
28.1 Process Residue and wastes	4.295	0.72	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
35.3 Chemical sludge from waste water treatment	0	29.365	MT/A

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
--	-	-	CMD

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	NA	NA	CMD

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	NA	NA	CMD

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
6.2 Zinc fines or dust or ash or skimmings in dispersible form	6.775	MT/A	ZINC DUST , SWEEPING ETC
28.1 Process Residue and wastes	0.72	MT/A	ORGANIC COMPOUND.
35.3 Chemical sludge from waste water treatment	29.365	MT/A	--

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
NA	NA	CMD	--

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
--	--	--	--	--	--	--

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Tree Plantation in near by villages .	Environmental Performance improvement.	0.30

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Installation of Distillation System & New resin beds	Reduction in effluent qty by 5 KL/D	30 lacs

Any other particulars in respect of environmental protection and abatement of pollution.

Particulars

Onsite emergency plan is prepared and training conducted for employee. Monthly review meetings are conducted to review the energy and raw material norms. Environment awareness programme are conducted periodically.

Name & Designation

MR. VISHWAS P KHADILKAR MANAGER EHS

ANNEX - XX

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

SEIAA- 2019/CR- 130 /SEIAA
Environment Department,
217(Annex), Mantralaya.
Mumbai- 400 032.
Date: 13.06.2019

To,
M/s Dorf ketal Chemicals (I) Pvt.Ltd.
Plot no.B52/3 MIDC Lote Parshuram Industrial Area.
Tal-Khed.Dist-Ratnagiri.

Sub: Change in Name

Ref: 1. Your letter no.DKI/MPCB/016/18-19 dated 21.09.2018.
2. EC granted by SEIAA vide No. SEIAA-EC-0000000182 dt. 16.02.2018.
3. Merger order by Deputy director National Company Law Tribunal,Mumbai branch dated 20.06.2017.

Sir,

This office is in receipt of your letter vide above ref.(1) seeking change in name in the EC granted for M/s. Filtra Catalysist & Chemicals Ltd. at . Plot no.B52/3 MIDC Lote Parshuram Industrial Area. vide above ref.(2).

On scrutiny of the documents submitted by you, it is to inform that the name of the company mentioned in the letter of EC issued vide above ref.(2) may be read as :

Mentioned in the letter of EC dated 16.02.2018.	Read as
M/s. Filtra Catalysist & Chemicals Ltd. Plot no.B52/3 MIDC Lote Parshuram Industrial Area. Tal-Khed.Dist-Ratnagiri.	M/s Dorf ketal Chemicals (I) Pvt.Ltd. Plot no.B52/3 MIDC Lote Parshuram Industrial Area. Tal-Khed.Dist-Ratnagiri.

Terms and conditions in EC dated 16.02.2018 vide above ref.(2) remains the same.

(Anil Diggikar)
Principal Secretary
& Member Secretary, SEIAA