

MAHARASHTRA POLLUTION CONTROL BOARD

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Sion Circle, Sion (E),
Mumbai - 400 022

Consent order No :- Formate1.0/ BO/CAC-Cell/ EIC No KP-17814-15 /14th CAC/ 2647
Date-23(02)2016

To,
M/s Excel Industries Ltd,
Plot No. D-9, MIDC Lote,
Tal - Khed, Dist-Ratnagiri.

Subject: Amendment for change in product-mix in existing consent under RED category.

- Ref: 1. Existing Consent granted vide no. Formate1.0/BO/CAC-CELL/EIC No KP-17282-15/6TH CAC/12180 dtd 19.09.2015 which is valid upto 31.01.2018.
2. Your application placed in CAC meeting held on 02.02.2016 .

Your application: CO1511000270

Dated:31.10.2015

For: Amendment for change in product-mix in existing consent under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 5 of the Hazardous Wastes (M, H & T M) Rules 2008 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II ,III & IV annexed to this order:

1. The consent is granted for a period from dated of issue of consent to 31.01.2018.
2. The capital investment of the industry is Rs.86.07 Crs. (As per C.A.Certificate submitted by industry)
3. The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity in MT/A
01	Sodium Penta Chloro Phenate & it's Formulations.	1800
02	Hydroxy Ethylidene Di-Phosphonic Acid & it's Formulations (Codex - 661 & it's Formulations).	7200
03	Acetyl Chloride.	3600
04	Sodium Salt of 5 Sulphono Isophthalic dimethyl ester. (SIPM).	360
05	Amino Tri-methylene Phosphonic Acid & it's Formulations.	1200
06	Codex - 551	600
07	Dispercel - 32 (Poly Maleic Acid)	252
08	THPE [(1,1,1,Tris (4 - Hydroxy Phenyl) Ethane)] AND/ OR DMBPC (Di-Methyl Bis Phenol Cyclohexane (DMBPC) and its derivatives.	1025
09	R & D and Pilot Plant for Industrial Chemicals, Intermediates	—

	& Pharmaceuticals.	
10	Lauracel.	30
11	(R) - 9- [2 (phosphonomethoxy)propyl] Adenine (PMPA).	75
12	4-Hydroxythiobenzamide Febuxostat T1	12
13	Ethyl 2-(4-hydroxyphenyl)-4-methylthiazole-5-carboxylate Febuxostat T2	18
14	Ethyl 2-(3-formyl-4-hydroxyphenyl)-4-methylthiazole-5-carboxylate Febuxostat T3	15
15	Ethyl 2-(3-formyl-4-isobutoxyphenyl)-4-methylthiazole-5-carboxylate Febuxostat T4	14
16	Ethyl 2-(3-cyano-4-isobutoxyphenyl)-4-methylthiazole-5-carboxylate Febuxostat T5 and /OR 2-(3-Cyno-4-Isobutoxyphenyl) -4-methyl -1, 3 thiazole -5-carboxylic acid. Febuxostat	42
17	5-(Bromomethyl)-4-(4-fluorophenyl)-6-(1-methylethyl)-2-methyl (methylsulfonyl) amino] pyrimidine Z 7 Br	48
18	Phosphonium,[[4-(4-fluorophenyl)-6-(1-methylethyl)-2-[methyl methylsulfonyl) amino] -5 pyrimidinyl] methyl] triphenyl -bromide (1:1) Z 8.2	60
19	N-[4-(4-Fluorophenyl)-5-formyl-6-(1-methylethyl)-2-pyrimidinyl]-N-methyl methane sulfonamide. Z7 Formyl	25
20	6-Hydroxy-3,4-dihydro-1H-quinoline-2-one. 6 HQ	20
21	4-[4-[4-(hydroxydiphenylmethyl)-1-piperidinyl]-1-hydroxybutyl]- α,α -dimethylphenylacetic acid Fexofenadine N- 1 and / OR α,α-Dimethyl-4-[1-hydroxy-4-[4-(hydroxydiphenylmethyl)-1-piperidinyl]butyl]-benzeneacetic acid hydrochloride (Fexofenadine Hydrochloride) & Its intermediates.	26
22	1, 3; 2, 4 -bis (3,4-dimethyl benzylidene) sorbitol Exclar	75
23	n-Octyl Phosphonic Acid NOPA	75
24	Pregabalin ((S)-3-(aminomethyl)-5-methylhexanoic acid) and its intermediate	20
25	Sitagliptin phosphate, (3 - (Trifluoromethyl) -5,6,7,8 - tetra hydro-[1,2,4] triazolo [4,3-a]pyrazine hydrochloride) (Intermediate)	20
26	4-[5-(4-Methylphenyl)-3-(trifluoromethyl) pyrazol-1-yl] benzenesulfonamide and Celecoxib intermediate (4-Hydrazinobenzene-1-sulfonamide Hydrochloride)	10
27	Benfotamine phosphate	20
28	Celestistat	6
29	Silodosin	2
	Total	16650
	By-products	
1	Spent Acid	1645
2	Dil Methanol	450
3	Hydrochloric Acid	15000
4	Dilute Acetic Acid	1200
5	Methanol	600
6	Sodium Sulphite 30%	936
7	Spent Ethyl Bromide	187.5

8	Spent Magnesium Acetate	75
9	Spent sodium Bromide Solution	1424.5
10	Dilute Triphosphoric Acid	11.75
11	Dilute Methane Sulphonic Acid	195
12	Dilute Dimethyl formamide	56
13	Dilute Bromide Solution	140
14	Formic Acid	96
	Total	22016.75

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

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	85	As per Schedule -I	CETP
2.	Domestic effluent	63	As per Schedule -I	CETP

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

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1.	Boiler (three Nos),	2 (Common stack for coal fire boilers)	As per Schedule -II
2.	D.G. set (1No.) (500KVA)	1	As per Schedule -II
3.	Process stacks	13	As per Schedule -II

6. Conditions about Non Hazardous Wastes:

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1.	Sugar/Wheat/ Rice bags	300 Nos./A	N.A.	Sale to Authorized dealer.
2.	Oil Tin	250 Nos./A	N.A.	Sale to Authorized dealer.
3.	Wooden Pallets	1000 Nos./A	N.A.	Sale to Authorized dealer.
4.	Plastic/ Polyvinyl bag	9400 Nos./A	N.A.	Sale to Authorized dealer.
5.	M.S. Scrap	50 MT/A	N.A.	Sale to Authorized dealer.
6.	Food Waste	10 MT/A	Biomechanical	Manure used in garden.
7.	Paper Waste	5 MT/A	N.A.	Sale to Authorized dealer.
8.	Boiler Ash	1200 MT/A	N.A.	Sale to brick Manufacturer

9	Fly ash	5.88 Kg/A	NA	Sale to brick manufacturer
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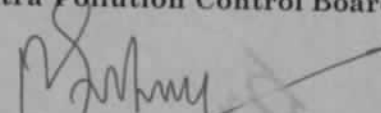
7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
01	Filter and filter material containing organic chlorine compound.	35.1	3 (Dry Basis)	MT/A	--	Landfill CHWTSDF Taloja
02	ETP Sludge (Chem)	34.3	200	MT/A	--	
03	Spent Organic Catalyst	35.2	04	MT/A	--	Incineration at CHWTSDF Taloja
04	Distillation Residue	20.3	300	MT/A	--	
05	Distillation Residue from R&D Pilot Plant	20.3	04	MT/A	--	
		28.1				
		28.3				
		35.2				
		36.4				
06	Flue Gas Cleaning Residue (Boiler Soot)	34.1	06	MT/A	--	
07	Spent Ion Exchange Resins	34.2	0.12	MT/A	--	Disposal at CHWTSDF Taloja
08	Used / Spent Oil	5.1	02	KL/A	--	Sale to Authorized agency
09	Discarded Containers	33.3	12710	Nos/A	--	

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. The consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
10. This consent is issued in accordance with MoEF, Govt of India circular dated December 14, 2006 stating that in cases of change of product-mix, changes in the quantities or the numbers of product may be allowed without E.C by the concerned SPCB provided such changes in the quantities of product are in the same category and are with the previously granted overall total limits.
11. This consent is granted on the basis of the proforma of no increase in pollution load submitted by the industry and certificate of "no increase in pollution load" dtd 16.09.2015 issued by ICT, Mumbai..
12. Industry, the by-product generator, should ensure that all the vehicles used to transport by-product to the vendor industry to be fitted with web based GPS system to record the origin to destination position and shall self monitor the compliance and submit monthly report to the Board.
13. Industry shall obtain affidavit from vendors stating that the by-product purchased from PP is used as raw material in their respective industries.

14. The spent solvents generated in the process shall be recycled and reused back in the process.
15. The applicant shall operate online effluent quality monitoring systems at the outlet of effluent treatment plant for measurement of consented parameters & to connect and upload the effluent monitoring data at MPCB and CPCB server.
16. This consent is granted by overriding consent no Formate1.0/BO/CAC-CELL/EIC No KP-17282-15/6TH CAC/1218 dated 19.09.2015.

For and on behalf of the
Maharashtra Pollution Control Board


(Dr. P. Anbalagan, IAS)
Member Secretary

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	125100	032003	14.10.2015	Bank o India
Previous consent fees				
1	25100	031836	22.05.2015	Bank of India
2	35000	031912	23.06.2015	Bank of India
3	25000	028509	13.09.2014	Bank of India
4	100000	028602	20.10.2014	Bank of India
5	500100	027390	03.06.2010	Bank of India
6	50000	027410	06.06.2013	Bank of India
7	15000	02741	25.03.2013	Bank of India

Copy to:

1. Regional Officer - and Sub-Regional Officer-Kolhapur , MPCB,Chiplun: They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updation purposes.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have provided the Effluent Treatment Plant (ETP) with the design capacity of 148 CMD followed by RO of capacity 50 m³/D and spray dryer of capacity 20m³/D.

B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr No.	Parameters	Standards prescribed by Board (If any)
		Limiting Concentration in mg/l, except for pH
01	pH	6.5 to 9.0
02	Suspended Solids	100
03	BOD 3 days 27° C	100
04	COD	250
05	Oil & Grease	10
06	Phenolic compound	1

C) The treated effluent shall be recycled in R & D for different reuse trials upto maximum extent and remaining shall be discharged to the CETP.

2) A.] As per your consent application, the domestic effluent is treated in ETP.

B] In case the treatment system is combined for trade effluent and sewage then the standards and disposal path prescribed at sr. no.1 B & C of schedule I shall be applicable.

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

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

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

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	218
2.	Domestic purpose	66
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	123
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	00
5.	Gardening	50

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



Maharashtra Pollution Control Board

Schedule-II

Terms & conditions for compliance of Air Pollution Control:

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

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO ₂ Kg/Day
Process stacks / vents							
1	HCl Tail Gas Tower S-4	Scrubber	15	NA	NA	NA	NA
2	Acetyl Chloride Packing Scrubber S-5	Scrubber	10	NA	NA	NA	NA
3	Acetic acid scrubbing stack. S-6	Scrubber	12	NA	NA	NA	NA
4	PCl3 Scrubber Stack S-7	Scrubber	12	NA	NA	NA	NA
5	Acetyl Chloride Scrubber stack S-8	Scrubber	12	NA	NA	NA	NA
6	Drum Dryer Stack S-9	Scrubber	25	NA	NA	NA	NA
7	Packing Area stack S-10	Scrubber	25	NA	NA	NA	NA
8	Reactor (Neutralizer stack) S-11	Scrubber	25	NA	NA	NA	NA
9	HCl Scrubber system stack S-12	Scrubber	25	NA	NA	NA	NA
10	HCl Scrubber system Stack S-13	Scrubber	15	NA	NA	NA	NA
11	Common Vent Scrubber stack S-14	Scrubber	15	NA	NA	NA	NA
12	SO2 Scrubber System stack S-15	Scrubber	15	NA	NA	NA	NA
13	HCl Scrubbing system stack S-16	Scrubber	15	NA	NA	NA	NA
Utility stacks							
1	Boiler 1 Oil Fire Boiler S-1A	Stack	33	Furnace Oil	9.46 MT/D	3.5	663
2.	Boiler 2 & 3 Coal Fired Boiler S-1B	Bag House Cyclone separator.	30	Coal	38 MT/D	0.75	570
3.	D.G.Set (500 KVA)	Stack	15	HSD	0.075 MT/D	3.5	6
4.	Spray dryer	wet scrubber	15	Coal	8.4 MT/D	0.7	117

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance / CREP guidelines.
3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	150 mg/Nm ³ .
HCL	Not to exceed	35 mg/Nm ³
Cl ₂	Not to exceed	15 mg/Nm ³

4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement well before its life come to an end or erection of new pollution control equipment.
5. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

[Handwritten signature]

Schedule-III
Details of Bank Guarantees

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to R	Rs 7.5 lakh	Submitted	O & M of PCS	30.01.2018	30.05.2018
2	C to R	Rs 2 lakh	Submitted	<p>Industry, the by-product generator, should ensure that all the vehicles used to transport by-product to the vendor industry to be fitted with web based GPS system to record the origin to destination position and shall self monitor the compliance and submit monthly report to the Board.</p> <p>Also industry shall obtain affidavit from vendors stating that the by-product purchased from PP is used as raw material in their respective industries.</p>	30.01.2018	30.05.2018
3	C to R	100 % of the cost of the online monitoring systems (emissions and effluent which ever applicable)	Submitted	The applicant shall install online effluent quality monitoring systems at the outlet of effluent treatment plant for measurement of consented parameters by 30.09.2015 & to connect and upload the effluent monitoring data at MPCB and CPCB server in time bound manner	30.09.2015	30.09.2015

[Handwritten Signature]

Schedule-IV

General Conditions:

- 1) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) If the MIDC pipeline is broken/ overflowing chamber, in such cases industry shall not discharge their treated effluent into MIDC drain, it shall be sent to CETP by tanker.
- 3) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 4) The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 5) Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
- 6) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
- 7) The firm shall submit to this office, the 30th day of September every year , the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 8) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW(MH&TM) Rules 2008, which can be recycled/processed/reused/recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 9) The industry should comply with the Hazardous Waste (M,H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 10) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 11) **The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.**
- 12) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and Environmental Protection Act,1986 and industry specific standard under EP Rules 1986 which are available on MPCB website(www.mpcb.gov.in).
- 13) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 14) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- 15) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.

- 16) The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- 17) Conditions for D.G. Set
- Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use
 - D.G. Set shall be operated only in case of power failure.
 - The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel
- 18) The industry should not cause any nuisance in surrounding area.
- 19) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
- 20) The applicant shall maintain good housekeeping.
- 21) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
- 22) The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
- 23) The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
- 24) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- 25) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 26) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd. 16.11.2009/as amended.

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