



TELANGANA STATE POLLUTION CONTROL BOARD

Phone: 23887500
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CONSENT ORDER FOR CFO DIRECT AND HAZARDOUS WASTE
AUTHORIZATION - RED CATEGORY

CONSENT ORDER NO. 230524587715 DATED: 10/07/2023.

(Consent Order for Existing/New or altered discharge of sewage and/or trade effluents/outlet under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and amendments thereof, Operation of the plant under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation / Renewal of Authorisation under Rule 6 of the Hazardous Wastes (Management, Handling & Transboundary, Movement) Rules 2016 & Amendments thereof)

CONSENT is hereby granted under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof, and Authorisation under the provisions of HW (MH & TM) Rules, 2016 (hereinafter referred to as 'the Acts', 'the Rules') and amendments thereof and the rules and orders made there under to M/s. "Adama india pvt. ltd. ,Plot Nos. DS-12 and DS-13, Sy. No. 542/2, Genome Valley, Turkapally Village, Shameerpet Mandal, Medchal-Malkajgiri District, Telangana " (hereinafter referred to as 'the Applicant /Industry') and the industry is authorized to operate the industrial plant to discharge the Effluents from the outlets and the quantity of Emissions per hour from the chimneys, by operating pollution control equipment, as detailed below,

i) Out lets for discharge of Effluents :

Outlet No.	Description of Outlet	Max Daily Discharge in KLD	Point of Disposal
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ii) Emissions from chimneys:

Chimney No.	Description of Chimney
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iii) HWAutorisation No.230524587715 DATED: 10/07/2023.

HAZARDOUS WASTE AUTHORISATION
(FORM i½ II)
[See Rule 6 (2)]

Adama india pvt. ltd. ,Plot Nos. DS-12 and DS-13, Sy. No. 542/2, Genome Valley, Turkapally Village, Shameerpet Mandal, Medchal-Malkajgiri District, Telanganais hereby granted an authorization to operate a facility for collection, reception, storage, treatment, transport and disposal of Hazardous Wastes namely:

1. HAZARDOUS WASTES WITH DISPOSAL OPTION :

Name of the Hazardous Waste	Stream	Quantity	Disposal option
-----NIL-----			

2. HAZARDOUS WASTES WITH RECYCLING OPTION :

Name of the Hazardous Waste	Stream	Quantity	RECYCLING option
-----NIL-----			

S.No.	Name of the Product	Capacity	Unit
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This order is subject to the provision of 'the Acts' and the Rules and amendments made thereunder and further subject to the terms and conditions incorporated in the schedule A, B and C enclosed to this order.

This combined order of Consents and Authorization is valid for a period ending with the .June 08, 2023

MEMBER SECRETARY

To
The Director,
M/s.ADAMA INDIA PVT. LTD.,
Plot Nos. DS-12 and DS-13, Sy. No. 542/2, Genome Valley, Turkapally Village, Shameerpet Mandal, Medchal-Malkajgiri District,
Telangana,
Pin: 500078

Copy to :

SCHEDULE 1A

SCHEDULE - B

1. Total Water Consumption shall not exceed : 0.00 KLD

S.No.	Purpose	Quantity
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2. The Treated Effluent Discharged/pre-treated effluent sent to CETB shall not exceed the following prescribed standards

Outlet No.	Parameter	Limiting Standard
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3. The Emission shall not exceed the following prescribed standards

Chimney No.	Description of Chimney	Parameter	Emission Standards
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SCHEDULE - C

MEMBER SECRETARY

To
The Director,
M/s.ADAMA INDIA PVT. LTD.,
Plot Nos. DS-12 and DS-13, Sy. No. 542/2, Genome Valley, Turkapally Village, Shameerpet Mandal,
Medchal-Malkajgiri District, Telangana,
Pin: 500078



TELANGANA STATE POLLUTION CONTROL BOARD
ZONAL OFFICE: HYDERABAD

H.No.6-3-1219, TS No.1 Part, Block - C, Ward No.91, Near Country Club,
Uma Nagar, Begumpet, Hyderabad. Phone: 040-23402495
Email: jcee-zhyd-tspcb@telangana.gov.in.

CONSENT & HW AUTHORIZATION ORDER - RED CATEGORY

Order No: 944-RR-II/TSPCB/ZO-HYD/CFO/TS-iPASS/2023- 254 **Date:10.07.2023**

(Consent Order for Existing/New or altered discharge of sewage and/or trade effluents/outlet under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and amendments thereof and Operation of the plant under section 21 of Air (Prevention & Control of Pollution) Act, 1981 and amendments thereof) and Authorization / Renewal of Authorization under Rule 6 of the Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016.

CONSENT is hereby granted under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of Air (Prevention & Control of Pollution) Act, 1981 (hereinafter referred to as 'the Acts') and Authorization under the provisions of HW (M & TM) Rules, 2016 (herein after referred to as 'the Acts' 'the Rules') the rules and orders made thereunder to

M/s. Adama India Pvt. Ltd.,
(Formerly M/s. Makhteshim Agan India Pvt. Ltd.),
Plot Nos: DS-12 & DS-13, Sy. No: 542/2,
Genome Valley, Turkapally (V), Shameerpet (M),
Medchal – Malkajgiri District.

(Hereinafter referred to as 'the Applicant') authorizing to operate the industrial plant, to discharge the effluents from the outlets and the quantity of emissions per hour from the chimneys as detailed below:

i) Outlets for discharge of effluents:

Outlet No.	Outlet Description	Max. Daily Discharge (After Expansion)	Point of Disposal	Limiting Standards
1.	Process & Washings	12.0 KLD	After pretreatment, shall be lifted to CETP i.e., M/s. JETL, IDA Jeedimetla for further treatment and disposal	Inlet parameters of the CETP prescribed by the Board.
2.	Scrubbing effluents	17.46 KLD		
3.	Boiler Blow down	0.48 KLD		
4.	Cooling tower	5.3 KLD		
5.	DM Plant	1.0 KLD		
6.	RO Plant	12.5 KLD		
7.	Domestic effluents	15.5 KLD	Sent to Common STP provided by IKP Knowledge Park, after treatment, the treated water shall be used on land for gardening.	pH – 5.5 -9.0, TSS-200.0 mg/lit, Oil & Grease – 10 mg/lit, BOD 3 days at 27°C ≤10 mg/lit.

ii) Emissions from chimneys:

Chimney No.	Description of Chimney (After Expansion)	Quantity of Emissions at peak flow	Emission Standards
1 to 4.	Attached to DG set of capacity - 4 x 625 KVA	---	SPM - 115 mg/Nm ³

5.	Attached to DG set of capacity - 1 x 250 KVA	---	SPM - 115 mg/Nm ³
6.	Attached to Process Emissions from R&D reactions	---	
7.	Attached to Fume Hoods from Synthetic chemistry labs – 32 No's	---	
8.	Attached to Scrubbers – 6 No's	---	
9.	Attached to DG set of capacity - 3x625 KVA	---	
10.	Attached to Diesel fired Non-IBR boiler of capacity - 800 Kg/hr.	---	SO ₂ – 600 mg/Nm ³ . At 6% dry O ₂ , for solid fuel and 3% dry O ₂ for liquid fuel. NO _x – 300 mg/Nm ³ . At 6% dry O ₂ , for solid fuel and 3% dry O ₂ for liquid fuel. SPM - 115 mg/Nm ³

iii) Hazardous Waste Authorization: (Form – 2) [See Rule 6(2)]:

M/s. Adama India Pvt. Ltd., (Formerly M/s. Makhteshim Agan India Pvt. Ltd.), Plot Nos: DS-12 & DS-13, Sy. No: 542/2, Genome Valley, Turkapally (V), Shameerpet (M), Medchal – Malkajgiri District is hereby granted an authorization to operate a facility for collection, reception, storage, transport and disposal of the following wastes with quantities as mentioned below:

Sl. No	Name of the Hazardous / Solid waste	Quantity (After Expansion)	Hazardous / as defined under HWM Rules, 2016	Method of Disposal
1	Organic & in organic waste from labs	6000 kgs/Annum	28.1 of Sch- I	Shall be lifted to M/s HWM Project (TSDF), Dundigal (V), Medchal-Malkajgiri District.
2	Other waste PPE waste, filter and tissue paper waste, Alluminium, foil and TLC plates	3000 kgs/Annum	---	Shall be lifted to M/s HWM Project (TSDF), Dundigal (V), Medchal-Malkajgiri District.
3	ETP sludge	2000 Kgs/annum	35.3 of Sch- I	
4	Spent solvents	60,000 Ltrs/Annum	28.6 of Sch- I	Recovered to the maximum extent possible within the premises and the recovered solvents shall be sold to Authorised solvent recovery units / re-processors / Authorised cement industries for incineration by IKP Knowledge Park.
5	Waste oils	4000 Ltrs/Annum	5.1 of Sch-I	Shall be sent to authorized waste oil Re-Processors / Re – Cycling units.
6	Broken lab glassware	2000 kgs/Annum	---	Shall be sold to authorized Agencies
7	Plastic material	2000 kgs/Annum	---	Shall be sold to agencies authorized by TSPCB.
8	Used Lead acid Batteries	35 Nos/annum	17 of Sch-IV	Sent to suppliers on buy back basis.
9	Bio medical waste	2 Kg/month	--	Shall be sent to authorized common biomedical treatment facility.

10	Detoxified containers & Bags	100 Kgs/month	--	Shall be sent to authorized recyclers.
11	Used PPE	2000 Kgs/annum	--	Shall be sent to M/s HWM Project (TSDF), Dundigal (V), Medchal District.
12	E-waste	200 Kgs/annum	--	Shall be sent to authorized recyclers.
13	Spent Carbon / Catalyst / Hylow	500 Kgs/annum	--	Shall be sent to M/s HWM Project (TSDF), Dundigal (V), Medchal District.

This order is subject to the provisions of 'the Acts' and 'the Rules' and orders made thereunder and further subject to the terms and conditions incorporated in the schedule A, B and C enclosed to this order.

This consent is valid for manufacture the following products along with quantities only

S. No.	Product & By product (After Expansion)
1.	Research & Development and Pilot Plant on Agro Chemicals* (No Commercial Production)

*Expansion of existing R&D activity and Pilot Plant on Agro Chemicals (No Commercial Production) with additional builtup area of 4,069.36 sq mts (total- 10,307.36 Sq mts.)

This combined order of Consent & Hazardous Waste Authorization shall be valid for a period ending with the **31.03.2026**.

JOINT CHIEF ENVIRONMENTAL ENGINEER

Encl: Schedules A, B & C

To
M/s. Adama India Pvt. Ltd.,
(Formerly M/s. Makhteshim Agan India Pvt. Ltd.),
Plot Nos: DS-12 & DS-13, Sy. No: 542/2,
Genome Valley, Turkapally (V), Shameerpet (M),
Medchal – Malkajgiri District.
Email: balraj.bandary@adama.com

Copy submitted to the Member Secretary, TSPCB, Board Office, Hyderabad for information.
Copy submitted to The General Manager, District Industries Centre, Near ORR, Keesara, Medchal-Malkajgiri District, Collectorate Complex, Hyderabad – 500083.
Copy to the Environmental Engineer, TSPCB, Regional Office, Medchal-Malkajgiri District for information.

SCHEDULE – A

1. The applicant shall make applications through online for renewal of Consent (under Water & Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts for obtaining Consent & HW Authorization of the Board. The applicant can also apply for Auto Renewal of the CFO atleast 30 days before the expiry of this order as per the procedure and eligibility stipulated in the Board Circular dt.19.11.2015 & 08.12.2015 (available in Board's Website: <http://tspcb.cgg.gov.in/Pages/Circulars.aspx>).
2. Concealing the factual data or submission of false information/ fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts.
3. The industry may explore the possibility of tapping the solar energy for their energy requirements.
4. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Rules, to such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of the Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.
5. The Board reserves its right to modify above conditions or stipulate any further conditions and to take action including revoke of this order in the interest of protection of public health and environment.

SCHEDULE - B

Special Conditions:

1. The CFO & HWA order issued to M/s. Adama India Pvt. Ltd. (Formerly M/s. Makhteshim Agan India Pvt. Ltd.), Sy.No: 542/2, Plot No: DS-13, Genome Valley, Turkapally (V), Shameerpet (M), Medchal – Malkajgiri District vide Consent Order No: 944-RR-II/TSPCB/ZOH/TS-iPASS/CFO/2021-41, date: 20.04.2021 which is valid upto 31.03.2026 stands cancelled.
2. The industry shall take steps to reduce water consumption to the extent possible and consumption shall NOT exceed the quantities mentioned below:

S. No.	Consumption	Total consumption (After Expansion)
1.	Process & Washings	13.0 KLD
2.	Scrubbing (5 nos.)	19.4 KLD
3.	Boiler feed	9.6 KLD
4.	Cooling tower	74.0 KLD
5.	DM Plant	3.0 KLD
6.	RO Plant	12.5 KLD
7.	Domestic	18.7 KLD
8.	Gardening	113.0 KLD
	Total	263.2 KLD

3. The industry should comply with the National ambient air quality standards as per MoEF, GoI notification dated. 18.11.2009 along the premises of the factory as prescribed below:

S. No.	Parameters	Standards in $\mu\text{g}/\text{m}^3$
1	Particulate Matter(PM_{10})	100
2	Particulate Matter ($\text{PM}_{2.5}$)	60
3	SO_2	80
4	NO_x	80

Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A)

Night time (10 PM to 6 AM) - 70 dB (A).

4. The industry should comply with emission limits for DG sets upto 800 KW as per Notification G.S.R.520(E) dated 01.07.2003 under the Environment (Protection) Amendment Rules, 2003 and G.S.R.448(E) dated 12.07.2004 under the Environment (Protection) 2nd Amendment Rules, 2004. In case of DG Sets more than 800 KW should

comply with emission limits as per the notification G.S.R.489(E), dated 09.07.2002 at Sl.No.96 under Environmental Protection Act, 1986.

5. The industry shall not manufacture more than consented capacity and not manufacture new products, without obtaining CFE/CFO of the Board.
6. The proponent shall carryout R&D activity and Pilot Plant on Agro Chemicals (No Commercial Production) in the existing total area of 20,023 sq. mts and expansion activity of 20,234 sq.mts with total built up area of 10,307.36 sq. mts only.
7. The industry shall not go for commercial production without permission of the Board.
8. The industry shall send the process and wash effluents to CETP, Jeedimetla, Medchal-Malkajgiri District regularly for further treatment and disposal by duly complying with inlet standards of the CETP, Jeedimetla prescribed by the Board.
9. The industry shall send the domestic wastewater to the common STP provided by M/s. IKP Knowledge Park. After treatment, the treated water shall be used on land for gardening within the premises duly meeting the prescribed standards.
10. The industry shall provide digital flow meter with totalizer for assessing the quantity of waste water disposed to CETP, Jeedimetla and also to common STP of M/s. IKP Knowledge Park and shall maintain the register.
11. The industry shall suck the fumes emanated during the various chemical reactions in the fume hoods and pass them through a wet scrubber before letting into atmosphere through common stack.
12. The industry shall collect the above hazardous wastes properly and shall lift these wastes to M/s.TSDF, Dundigal, Medchal-Malkajgiri District regularly. The industry shall maintain the records for the Hazardous waste generated and disposed.
13. The industry shall obtain authorization to dispose the Biomedical Waste generated properly and lift the waste to Common Bio Medical Waste Treatment Facility (CBMWTF) regularly.
14. The industry shall recover the spent solvents to the maximum extent possible in their own premises only and the recovered solvents shall be disposed to authorized solvent recovery units. The industry shall not dispose spent / mixed solvents to outside agencies under any circumstances.
15. The industry shall not dispose any solid waste outside the factory premises
16. The industry shall not discharge any waste water outside the factory premises.
17. The industry shall develop 33% of the total area as thick green belt all along the boundary of the unit and also in the vacant places with all tall growing trees with wide leaf area.
18. The industry should maintain the following records and the same should be made available to the Board Officials during the inspection.
 - a) Production details, RG-I records and Central Excise Returns.
 - b) Quantity of effluents generated and lifted to CETP, JETL, Jeedimetla and STP of M/s. IKP Knowledge Park.
 - c) Log Books for pollution control systems.
 - d) Daily solid waste generated and disposed to TSDF.
19. The industry shall submit Environmental Statement in Form V before 30th September every year as per Rule No.14 of Environmental (Protection) Act, 1986.
20. The industry should regularly carry out the monitoring of Environmental Parameters, audit them and should submit report to the Board twice in a calendar year.
21. The industry shall take all precautionary and safety measures during process operations.
22. This Order is issued to the industry without prejudice to the action taken by the Task Force of the Board.
23. The industry shall comply with the ambient air quality standards in respect of noise, as stipulated in the Environment (Protection) Rules, 1986.
24. The industry should maintain good housekeeping within the premises.
25. The proponent shall comply with all the directions issued by the Board from time to time.

26. This Order is issued to the industry without prejudice to the action taken by the Task Force of the Board.
27. The conditions stipulated in this order are without any prejudice to rights and contentions of this Board in any Hon'ble court of Law.

SCHEDULE - C
(See Rule 6(2))

SPECIAL CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR
HANDLING HAZARDOUS WASTE

1. The industry shall give top priority for waste minimization and cleaner production practices.
2. The industry shall not store hazardous waste for more than 180 days as per the Hazardous & other wastes (Management and Transboundary Movement) Rules, 2016 and amendments thereof. The industry shall maintain 6 copy manifest system for transportation of waste generated and copies of receipts of consignee shall be submitted to the Concerned Regional Office. The industry shall maintain proper records for Hazardous Wastes stated in Authorisation in FORM-3 i.e quantity of incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form- 4 as per Rule 20(2) of the Hazardous & other wastes (Management, Handling & Transboundary Movement) Rules, 2016 and amendments thereof.
3. The industry shall dispose /sell the hazardous waste to only industries/agencies authorised by state Pollution Control Board. The industry shall verify the authorisation of the Board given to the party before disposing its waste to the external party
4. The industry shall maintain proper records for Hazardous Wastes disposal and its concurrence with Authorization. In case of Violation in generation, industry shall submit explanation and obtain amendment in Environmental Clearance/CFE/CFO in this regard.
5. The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal. The Waste oils to be sold to the traders and the same shall be disposed to the authorized Reprocessors / Recyclers and Used Lead Acid Batteries shall be disposed to the manufacturers / dealers on buyback basis. The industry shall take necessary practical steps for prevention of oil spillages and carry over of oil from the premises. The industry shall check the certificate/Authorisation/ order of MoEF issued to the Re-user/Recycler units while disposing the waste oil . The industry shall maintain good housekeeping & maintain proper records for Hazardous Wastes stated in Authorisation.
6. The industry shall dispose the e-waste to authorized recyclers / dismantlers only.
7. The industry shall submit the condition wise compliance report of the conditions stipulated in Schedule B & C of this Order on half yearly basis to Board Office, Hyderabad and concerned Regional Office.


JOINT CHIEF ENVIRONMENTAL ENGINEER

To
M/s. Adama India Pvt. Ltd.,
(Formerly M/s. Makhteshim Agan India Pvt. Ltd.),
Plot Nos: DS-12 & DS-13, Sy. No: 542/2,
Genome Valley, Turkapally (V), Shameerpet (M),
Medchal – Malkajgiri District.