

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 1952
ANSWERED ON 11.02.2026

GREEN AMMONIA PRODUCTION

1952. SHRI TANGELLA UDAY SRINIVAS:

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) the details of volume of production of conventional ammonia and green/renewable ammonia in the country during the last five years, year and State-wise including Andhra Pradesh, district-wise;
- (b) whether any new projects have been sanctioned to augment ammonia production capacity in the country;
- (c) if so, the details thereof including their location, additional capacity, expected or actual date of commencement, State and district-wise for Andhra Pradesh including Kakinada;
- (d) the quantity and value of ammonia including green/renewable ammonia, exported from India and imported into India during the last five years, year and country-wise; and
- (e) whether the Government has formulated any policy, roadmap or strategy for domestic production, storage, transportation and export of conventional and green/renewable ammonia and if so, the details thereof including incentives, financial support mechanisms and regulatory measures to promote ammonia as a clean energy carrier and industrial feedstock?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER

(SHRI SHRIPAD YESSO NAIK)

(a) The Government of India is implementing the National Green Hydrogen Mission (NGHM), with an objective to make India a global hub of production, usage and export of green hydrogen and its derivatives.

Under the Mission, prices have been discovered by Solar Energy Corporation of India (SECI) for the production and supply of 7,24,000 Metric Tonnes per Annum (MTPA) of Green Ammonia (a derivative of Green Hydrogen) to 13 fertilizer units across India. The details are provided at **Annexure I**.

The details of volume of production of conventional ammonia in India, are provided at **Annexure II**.

(b) and (c)

The details regarding new projects being implemented to augment green ammonia production are given below:

- i. The foundation stone for NTPC's Green Hydrogen Hub for production of 1.5 MMTPA of Green Hydrogen & Green Ammonia at Pudimadaka. was laid by the Hon'ble Prime Minister 8th February 2025.
- ii. The Government of Andhra Pradesh has accorded approval for the proposal for setting up of 1.0 MMTPA Green Hydrogen based Green Ammonia and other

derivatives manufacturing facility at Kakinada by M/s. AM Green Ammonia (India) Private Limited as per the provisions of AP Integrated Clean Energy Policy, 2024.

(d) The details of exports and imports of ammonia during the last five years, year and country-wise are provided at **Annexure III**.

(e) The scheme guidelines for Implementation of Strategic Interventions for Green Hydrogen Transition (SIGHT) Programme – Component- II: Incentive for Procurement of Green Ammonia Production, have been issued under the National Green Hydrogen Mission. Under this, an incentive of ₹ 8.82/kg of green ammonia is being provided in the first year of production and supply, ₹ 7.06/kg during the second year of production and supply, and ₹ 5.30/kg during the third year of production and supply.

Additionally, the following supportive provisions have also been provided for green ammonia:

- i. Green Hydrogen/Green Ammonia Plants commissioned on or before 31.12.2030, and which utilize renewable energy for the production of Green Hydrogen or Green Ammonia, have been granted exemption from the payment of ISTS charges for a period of 25 years, starting from the date of commissioning of the project.
- ii. Standalone plants producing Green Hydrogen/Green Ammonia by way of electrolysis of water using Renewable Energy, have been exempted from requirement of prior Environmental Clearance under the provisions of the Environment Impact Assessment Notification 2006.
- iii. Duty benefits under Section 26 of SEZ Act, 2005 have been allowed to the units for installation as well as O&M of renewable energy equipment exclusively for captive consumption of the unit.
- iv. Exemption has been granted from ALMM and RLMM requirements for Renewable Energy plants located inside a Special Economic Zone (SEZ) or Export Oriented Unit (EOU) and supplying power exclusively for production plants of Green Hydrogen (or its derivatives).

Prices discovered for production and supply of Green Ammonia

S. No.	Procurer fertilizer unit	Location	Green Ammonia capacity (MTPA)	Discovered price (Rs. /kg) *	Selected Green Ammonia producer
1	Paradeep Phosphate Limited (Paradeep)	Odisha	75000	55.75	Acme Cleantech Solutions Private Limited
2	Krishana Phoschem Limited, Meghnagar	Madhya Pradesh	70000	51.8	NTPC Renewable Energy Limited
3	Madhya Bharat Agro Products Limited-II, Sagar	Madhya Pradesh	60000	52.25	Oriana Power Limited
4	Madhya Bharat Agro Products Limited-III, Dhule	Maharashtra	70000	53.05	SCC Infrastructure Pvt. Ltd. with M/s InSolare Energy Limited
5	Gujarat Narmada Valley Fertilizers & Chemicals Limited (GNFC), Bharuch	Gujarat	50000	52.5	Onix Renewable Limited
6	Coromandel International Limited (CIL), Kakinada	Andhra Pradesh	85000	50.75	Jakson Green and Ocior
7	Coromandel International Limited (CIL), Vishakhapatnam	Andhra Pradesh	50000	51.89	Acme Cleantech Solutions Private Limited
8	Indian Farmers Fertiliser Cooperative Limited (IFFCO), Kandla	Gujarat	100000	54.73	Acme Cleantech Solutions Private Limited
9	Indian Farmers Fertiliser Cooperative Limited (IFFCO), Paradeep	Odisha	100000	49.75	Acme Cleantech Solutions Private Limited
10	Paradeep Phosphates Limited (PPL), Zuarinagar	Goa	25000	62.84	Acme Cleantech Solutions Private Limited
11	Indorama India Private Limited (I IPL), Haldia	West Bengal	20000	64.74	Acme Cleantech Solutions Private Limited
12	Mangalore Chemicals & Fertilizers Ltd. (MCFL), Mangalore	Karnataka	15000	57.65	SCC Infrastructure Pvt. Ltd. with M/s InSolare Energy Limited
13	Madras Fertilizers Limited (MFL), Chennai	Tamil Nadu	4000	50	Suryam International Private Limited

Annexure II

Production of Conventional Ammonia- State / District Wise in '000 MT (metric tons)						
State	District	2020-21	2021-22	2022-23	2023-24	2024-25
		('000 MT)				
Maharashtra	Navi Mumbai	87.0	94.0	97.0	270.0	270.0
	Mumbai	368.0	462.0	448.0	448.0	408.0
	Raigad	1219.0	1204.0	1219.0	1162.0	1103.0
Gujarat	Vadodara	476.0	451.0	510.0	471.0	465.0
	Surat	1402.0	1329.0	1324.0	1389.0	1426.0
	Bharuch	371.0	383.0	370.0	375.0	369.0
	Gandhinagar	393.0	343.0	404.0	386.0	396.0
Assam	Namrup	82.0	111.0	140.0	110.0	117.0
Uttar Pradesh	Sambhal	658.0	743.0	674.0	706.0	773.0
	Shahjahanpur	646.0	605.0	674.0	654.0	697.0
	Prayagraj	1013.0	844.0	1066.0	1082.0	1044.0
	Bareilly	1304.0	1328.0	1335.0	1342.0	1357.0
	Raebareilly	625.0	596.0	637.0	649.0	697.0
	Kanpur Nagar	393.0	400.0	384.0	408.0	355.0
	Gorakhpur	0.0	0.0	491.0	768.0	684.0
Madhya Pradesh	Vijaipur	1216.0	1190.0	1309.0	1264.0	1249.0
Rajasthan	Kota	2170.0	2171.0	2216.0	2273.0	2311.0
Andhra Pradesh	Kakinada	424.0	521.0	638.0	747.0	124.0
Goa	South Goa	290.0	269.0	271.0	226.0	261.0
Tamil Nadu	Thiruvallur	284.0	295.0	298.0	252.0	306.0
	Thoothikodi	327.0	368.0	429.0	315.0	431.0
Kerala	Ernakulam	241.0	241.0	313.0	281.0	204.0
Karnataka	Mangaluru	190.0	246.0	196.0	280.0	298.0
Punjab	Bathinda	344.0	322.0	347.0	280.0	326.0
	Rupnagar	323.0	313.0	321.0	316.0	324.0
Haryana	Panipat	347.0	282.0	345.0	314.0	306.0
Jharkhand	Dhanbad	0.0	0.0	98.0	660.0	716.0
Bihar	Begusarai	0.0	0.0	99.0	600.0	491.0
West Bengal	Bardhaman	0.0	357.0	597.0	862.0	855.0
Telangana	Peddapalli	0.0	221.0	477.0	638.0	683.0
	Total	15193.0	15689.0	17727.0	19528.0	19046.0

Export of Anhydrous Ammonia

S.No.	Year	Value (in ₹ Crore)	Quantity (kg)
1	2020-2021	7.56	1,701,476
2	2021-2022	20.51	2,877,004
3	2022-2023	17.82	1,686,055
4	2023-2024	11.36	1,641,644
5	2024-2025	17.64	2,439,374

County wise import of Ammonia by India

Country-wise Import of Ammonia by India 2020-21 to 2024-25 (‘000 MT)					
Country	2020-21	2021-22	2022-23	2023-24	2024-25
Algeria	15.0	-	-	-	-
Australia	-	18.0	23.0	-	48.5
Bahrain	37.0	208.6	358.4	226.8	47.8
Bangladesh	4.2	97.8	-	18.4	12.6
Brazil	-	6.3	-	-	-
China	-	-	152.9	0.01	13.8
Egypt	194.8	153.9	80.8	32.3	-
Indonesia	152.4	150.3	255.9	227.3	227.8
Iran	139.1	85.6	-	-	-
Japan	11.9	-	6.8	8.4	66.5
Kuwait	-	-	-	7.7	-
Libya	-	23.0	-	-	-
Malaysia	18.0	17.2	102.2	77.5	33.9
Oman	107.9	125.5	135.6	444.8	959.3
Qatar	464.1	525.1	268.2	138.4	170.5
Russia	30.0	-	-	-	-
Saudi Arabia	727.0	520.3	925.3	904.7	854.2
Singapore	-	-	-	31.3	-
Trinidad	33.9	-	-	-	22.6
Turkey	179.4	-	-	-	-
UAE/Abu Dhabi	45.2	13.2	31.1	58.1	78.0
Ukraine	256.5	362.5	-	-	-
Others	0.2	-	0.1	0.1	0.3
Total	2,416.6	2,307.2	2,340.3	2,175.8	2,535.8