



## PROCEEDINGS OF THE GOVERNMENT OF KARNATAKA

**Sub:** Approval to the project proposal of M/s JSW Green Hydrogen Limited to establish a “0.2 MTPA Green Hydrogen Plant & 1.0 MTPA Green Ammonia Plant Integrated with Renewable Power (3000 MW Wind Plant, 1500 MW Solar Plant with its associated Dedicated Transmission Lines and 2000 MWh Energy Storage System)” at Ballari, Chitradurga and Vijayanagara Districts.

- Read:**
1. Proceedings of the 98<sup>th</sup> Land Audit Committee (LAC) meeting held on 13.10.2022.
  2. Proceedings of the 60<sup>th</sup> State High Level Clearance Committee (SHLCC) meeting held on 22.10.2022.

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### Preamble:

M/s JSW Green Hydrogen Limited has proposed to establish a “0.2 MTPA Green Hydrogen Plant & 1.0 MTPA Green Ammonia Plant Integrated with Renewable Power (3000 MW Wind Plant, 1500 MW Solar Plant with its associated Dedicated Transmission Lines and 2000 MWh Energy Storage System)”, with an investment of Rs. 40,148 crore, generating employment to about 841 persons at Ballari, Chitradurga and Vijayanagara Districts.

M/s JSW Green Hydrogen Limited (JSWGHL) is a Vehicle of JSW Energy Limited to drive the Company’s growth plans in renewable Energy - across Generation and Energy Storage. JSWGHL proposes to setup 0.2 MTPA Green Hydrogen Plant and 1.0 MTPA Green Ammonia Plant in phases with other associated services facilities in Bannihatti Village of Sandur Taluk of Ballari District in the State of Karnataka.

In the 98<sup>th</sup> Land Audit Committee meeting held on 13.10.2022, the representative of the company appeared before the Committee through V.C and highlighted the project proposal and requested for approval of the project.

The Committee noted the request of the company, land utilization details and after detailed discussions, resolved to recommend to SHLCC for approval of the project of M/s JSW Green Hydrogen Limited to establish “0.2 MTPA Green Hydrogen Plant & 1.0 MTPA Green Ammonia Plant Integrated with Renewable

Power (3000 MW Wind Plant, 1500 MW Solar Plant with its Associated Dedicated Transmission Line and 2000 MWh Energy Storage System)” in 13014 acres of land to be purchase at Ballari, Chitradurga and Vijayanagara Districts (break up of land details as mentioned below).

- For Green Hydrogen and Green Ammonia Plant - 379 acres private land and 85 acres of Govt. land at Bannihatti Village, Sandur Taluk, Ballari District.
- For Solar Power Plant – 5600 acres private land at Challakere Taluk, Chitradurga District.
- For Wind Power Plant – 6950 acres of private land at Kudlgi and Kotur Taluk, Vijayanagara District subject to;
  - Non violation of non alienation clauses like PTCL, Inam land, Iluvari land, Govt. land, Nala land, Bandidari land etc., under various Acts and subject to obtaining necessary clearances from Revenue Department/Concerned authorities.
  - In case of purchase/lease the Government land, the company has to take approval from Revenue Department and concerned authorities.

The proposal of the Company placed in the 60<sup>th</sup> State High Level Clearance Committee (SHLCC) meeting held on 22.10.2022 for discussion and decision. The Committee noted the details of the project proposal and after detailed discussion resolved to approve the project proposal of M/s JSW Green Hydrogen Limited.

Government has examined the recommendations made by the 60<sup>th</sup> SHLCC Meeting, in all aspects.

Hence the following order:

**GOVERNMENT ORDER No. CI 345 SPI 2022, BENGALURU, DATED 28.11.2022**

Government is pleased to accord in-principle approval to the investment proposal of M/s JSW Green Hydrogen Limited with the following infrastructure assistance, incentives and concessions:

|                 |  |
|-----------------|--|
| <b>Activity</b> | To establish a “0.2 MTPA Green Hydrogen Plant & 1.0 MTPA Green Ammonia Plant Integrated with Renewable Power (3000 MW Wind Plant, 1500 MW Solar Plant with its associated Dedicated Transmission Lines and 2000 MWh Energy Storage System)” with an investment of Rs. 40,148 crores and generating employment to 841 |
|-----------------|--|

persons in 5 phases as detailed below:-

| Sl. No.   | Product                              | Unit | Quantity (per Phase) | Quantity (Total for 5 Phases) |
|-----------|--------------------------------------|------|----------------------|-------------------------------|
| <b>A.</b> | <b>Green Hydrogen Plant capacity</b> | TPA  | <b>40,000</b>        | <b>2,00,000</b>               |
| 1.        | Green Hydrogen                       | TPA  | 40,000               | 2,00,000                      |
| 2.        | Oxygen                               | TPA  | 3,20,000             | 1,600,000                     |
| <b>B.</b> | <b>Green Ammonia Plant capacity</b>  | TPA  | <b>200,000</b>       | <b>10,00,000</b>              |
| 1.        | Green Ammonia                        | TPA  | 200,000              | 10,00,000                     |
| 2         | Medium Pressure Steam                | TPA  | 25                   | 125                           |
| 3         | Power                                | MW   | 5                    | 25                            |

**Land**

13014 acres of land to be purchased at Ballari, Chitradurga and Vijayanagara Districts (break up of land details as mentioned below).

- For Green Hydrogen and Green Ammonia Plant - 379 acres private land and 85 acres of Government land at Bannihatti Village, Sandur Taluk, Ballari District.
- For Solar Power Plant – 5600 acres private land at Challakere Taluk, Chitradurga District.
- For Wind Power Plant – 6950 acres of private land at Kudlgi and Kotur Taluk, Vijayanagara District subject to:
  - Non violation of non alienation clauses like PTCL, Inam land, Iluvari land, Government land, Nala land, Bandidari land etc. under various Acts and subject to obtaining necessary clearances from Revenue Department/Concerned authorities.
  - In case of purchase/lease the Government land, the company has to take approval from Revenue Department and concerned authorities.

|                                     |   |
|-------------------------------------|---|
| <b>Water</b>                        | 58440 Cu.M per day from nearby Narihalla Reservoir, Ballari District. Subject to approval of Water Resource Department.   |
| <b>Power</b>                        | 1500 MW from Solar Plant and 3000 MW through Wind plant and 2000 MWh Battery storage plants and transmission to the required locations, subject to approval of Energy Department. |
| <b>Incentives &amp; Concessions</b> | As per applicable Policy of the state.  |

**Sanction of the above infrastructure assistances, incentives and concessions is subject to the following terms and conditions:**

**1. Acknowledgement Certificate:** The project proponents may opt to furnish Combined Application Form (Form-4, Rule 8(b)) along with relevant fee and self certification for issue of acknowledgment certificate under Karnataka Industries (Facilitation) (Amendment) Act, 2020 for Green Hydrogen and Green Ammonia Plant.

**2. Environment:** The company to obtain Consent for Establishment and Consent for Operation from KSPCB and environmental clearance from MoEF, Government of India or the Dept of Forest, Ecology & Environment, Government of Karnataka, if applicable.

**3. Employment:** The Company shall comply with the provisions of applicable Policy of the State of Government of Karnataka with respect to local employment on the project. Prepare a plan for development of Human Resources required for the project, train local people. A copy of Human Resources Development plan shall be sent to the Commissioner for Industrial Development & Director of Industries and Commerce for monitoring.

**4. Vendor Development:** Wherever there is scope for vendor development for the project, the company shall prepare a vendor development plan, develop local vendors and procure the required inputs, components and sub-assemblies from these local vendor units. A copy of the vendor development plan shall be sent to the Commissioner for Industrial Development & Director of Industries and Commerce for monitoring.

**5. Social Infrastructure Development:** The Company is advised to take up social infrastructure development projects in the vicinity of the proposed location of the unit and comply with the stipulation of Company Act 2013. A copy of such projects shall be sent to the Commissioner for Industrial Development & Director of Industries and Commerce for monitoring.

## 6. Others:

- a. The company shall adopt rainwater harvesting, waste water recycling and water conservation techniques. Zero discharge facility should be adopted wherever applicable.
- b. The company shall take all statutory and other necessary clearances from the competent authorities including Government of India.
- c. As part of "Ease of Doing Business" Government vide order No. CI 89 SPI 2013, Dated 20.12.2014 has accorded approval to operationalise e-Udyami Phase II for obtaining various clearances / approvals / licenses etc. through common e-platform for the projects approved through District Level Single Window Clearance Committee (DLSWCC) or State Level Single Window Clearance Committee (SLSWCC) or State High Level Clearance Committee (SHLCC) w.e.f. 01.01.2015.
- d. The approvals / NOCs of following Departments have been covered under Phase II of e-Udyami.
  - i. Karnataka Industrial Areas Development Board.
  - ii. Karnataka Small Scale Industries Development Corporation.
  - iii. Karnataka State Pollution Control Board.
  - iv. Factories, Boilers, Industrial Safety and Health Department
  - v. Industries and Commerce Department
  - vi. Town Planning Department and Local Planning Authorities
  - vii. Municipal Administration Department
  - viii. BESCOM/GESCOM/HESCOM/CESCOM/MESCOM
  - ix. Karnataka State Fire and Emergency Services Department
  - x. Water Resources Department
- e. The login and passwords which are used for filing application through e-Udyami Phase I are also applicable for filing application through e-Udyami Phase II. E-Udyami Phase II web application may be accessed through [www.ebizkarnataka.gov.in](http://www.ebizkarnataka.gov.in) and online application along with necessary documents may please be filed for any of above Departments' approval / NOCs.
- f. Karnataka Udyog Mitra (KUM) would provide the necessary escort services for the speedy implementation of your project. You are requested to inform the progress made in the implementation of the project every quarter in the proforma.

This approval is valid for a period of **two years** from the date of issue of this Government Order.

By Order and in the name of the  
Governor of Karnataka,

*G. Nagarathnamma.*  
(NAGARATHNAMMA.G) 28/11/2022.

Desk Officer (Technical Cell),  
Commerce & Industries Department.

To,

1. Principal Accountant General (G&SSA)/(E&RSA), Karnataka, New Building, 'Audit Bhawan', Post Box No. 5398, Bengaluru.
2. Principal Accountant General (A&E), Karnataka, Park House Road, Post Box No. 5329, Bengaluru.
3. Additional Chief Secretary to Government, Finance Department, Vidhana Soudha, Bengaluru.
4. Additional Chief Secretary to Government, ITBT & ST Department, MS Building, Bengaluru.
5. Additional Chief Secretary to Government, Energy Department, Vikasa Soudha, Bengaluru.
6. Additional Chief Secretary to Government, Water Resource Department, Vikasa Soudha, Bengaluru.
7. Additional Chief Secretary to Government, Forest, Ecology & Environment Department, M.S. Building, Bengaluru.
8. Principal Secretary to Government, Revenue Department, M.S. Building, Bengaluru.
9. Secretary to Government, Commerce & Industries Department (Mines, Textile & MSME), Vikasa Soudha, Bengaluru.
10. Commissioner for Industrial Development and Director of Industries and Commerce, Khanija Bhavan, Race Course Road, Bengaluru.
11. Commissioner of Commercial Taxes, Vanijya Therige Karyalaya, Gandhi Nagar, Bengaluru-09.
12. Managing Director, KPTCL/ESCOMS.
13. Member Secretary, Karnataka State Pollution Control Board (KSPCB), 49, Church Street, Parisara Bhavan, Bengaluru.

14. Chief Executive Officer & Executive Member, Karnataka Industrial Area Development Board, Khanija Bhavan, Race Course Road, Bengaluru.
15. Director (Technical Cell), Commerce & Industries Department, Vikasa Soudha, Bengaluru.
16. Additional Director (P&P), Directorate of Industries & Commerce, Khanija Bhavan, Race Course Road, Bengaluru.
17. Managing Director, Karnataka Udyog Mitra (KUM), Khanija Bhavan, Race Course Road, Bengaluru.
18. PS to Hon'ble Minister for Large and Medium Industries, Vidhana Soudha, Bengaluru.
19. PS to Additional Chief Secretary to Government, Commerce & Industries Department, Vikasa Soudha, Bengaluru.
20. M/s JSW Green Hydrogen Limited, Po Box 9, Toranagallau, Post, Sandhur Taluk, Ballari District-583123.
21. Guard File / Spare Copies.

