F. No. 149/6/2023-Gati Shakti Cell
Government of India
Ministry of New and Renewable Energy
Gati Shakti Cell

Atal Akshay Urja Bhawan, CGO Complex
Lodhi Road, New Delhi 110003; dated: 15th February 2023

<u>ORDER</u>

Subject: PM-Gati Shakti National Master Plan related to Renewable Energy – reg.

The undersigned is directed to refer the PM-Gati Shakti Plan and to state that the following have been decided:

i.   <u>Gati Shakti Cell</u>: A Cell has been created in the Ministry for all the works related to PM-Gati Shakti. All communications may be done through the Head of the Cell. A copy of the order is enclosed herewith.

ii. <u>Mapping of RE Projects</u>: RE projects of capacity 50 MW and more are to be mapped on the PM-Gati Shakti portal. The projects taken up by the Renewable Energy Implementing Agencies (REIA) (tenders / EPC mode) would be mapped on National Portal by Gati Shakti Cell. The projects taken up by the States' schemes & tenders would be mapped by States on the respective State's portal with linkage to National Portal.

   a.   <u>Solar Projects</u>: The projects on National portal would be uploaded by respective REIA viz. SECI, NHPC and NTPC. The projects on the state's portal would be uploaded by respective state designated agency.

   b.   <u>Wind Projects</u>: NIWE has repository of geo-tagged data of around 32 GW wind power projects. Therefore, all the wind projects would be uploaded by NIWE. The projects on National portal will be uploaded by NIWE directly through Gati Shakti Cell. The projects on state's portal will be uploaded by NIWE in coordination with States.

   c.   A format, including the attributes, metadata, colour coding, symbols, etc. for mapping and representation of the RE projects has been approved in MNRE and is enclosed herewith. This would act as a standard for mapping of data.

iii. <u>Mapping of RE resource maps</u>: Gati Shakti Cell in coordination with NIWE and BISAG-N will upload the resource maps of solar radiation and wind speed on the portal.

iv. <u>Mapping of Transmission Projects</u>: The State Transmission Utilities would map all the Intra-State transmission infrastructure on the State's portal in coordination with Ministry of Power. To avoid duplication with the Green Energy Corridor (GEC) infrastructure, the concerned transmission projects of GEC would be mapped by States

on the State's portal with a distinct colour coding, so these could be added on the National portal.

v. <u>Colour Coding of projects on both National & States' Portals</u>: DPIIT has suggested that colour coding and symbols be used for segregating the projects on the portal. The following colours and symbols are to be used:

    a. <u>For Solar projects</u>: boundary coordinates of the projects are to be mapped on the portal. For capacities less than 100 MW: the projects would be mapped in yellow colour; for capacities from 100 MW & less than 500 MW: the projects would be mapped in orange colour; and for capacities 500 MW & above: the projects would be mapped in red colour. The symbol would be of a solar panel.

    b. <u>For wind projects</u>: point locations of all the wind turbines in the project would be mapped. For capacities less than 100 MW: the projects would be mapped in cyan colour; and for capacities 100 MW & above: the projects would be mapped in navy blue colour. The symbol would be of a wind turbine.

    c. <u>Transmission Projects under Green Energy Corridor scheme</u>: The projects under GEC Phase-I be mapped in magenta colour and the projects under GEC Phase-II be mapped in dark green colour. The symbol would be of a transmission tower.

vi. <u>Data Verification of the National Portal</u>: The representatives in Gati Shakti Cell from the respective divisions of MNRE would cross-check the authenticity of the data along with attributes submitted in prescribed format (there should be no gaps in data & no irrelevant data is to be added).

vii. <u>Uploading on the National Portal</u>: After verification of data by Gati Shakti Cell, the data would be sent to BISAG-N for uploading the data on the portal. BISAG-N shall upload the data and inform Gati Shakti Cell when uploading is completed. Further, BISAG-N will link the States' portals to the National Portal in coordination with Gati Shakti Cell.

viii. <u>Validation of Data on National Portal</u>: As suggested by DPIIT, the validation mechanism will follow the maker, checker & approver stages. A provision would be made in the portal being developed by NIC for the validation mechanism. The validation would be as follows:

    a. <u>Maker</u>: The data would be consolidated by REIA & NIWE in coordination with RE developers which would be uploaded on the portal.

    b. <u>Checker</u>: After uploading of data on the portal, the representatives in Gati Shakti Cell from respective divisions of MNRE would validate the data in coordination with REIAs & NIWE, including the layers, attributes, colour coding, etc.

    c. <u>Approver</u>: MNRE member of the Network Planning Group (NPG) shall approve the data of the projects uploaded on the portal.

ix. <u>Cleaning of Data</u>: The Gati Shakti Cell in coordination with REIA and NIWE will check the data uploaded on the portal and delete the unnecessary ones with approval of MNRE

member of NPG. Further, multiple layers created for similar type of projects would be merged in coordination with BISAG-N.

x.   Uploading of Upcoming Projects: After all the existing projects are mapped, the above procedure of uploading, verification and approving the data would be done every month so as to update upcoming projects on the portal.

2.   The timelines for this would be as under:

S. No.	Action Point	Timeline
1	Data upload on the Portal	31st March'2023
2	Setting-up a validation Mechanism of data for NMP	Already in place
3	Cleaning of Data on NMP	28th Feb 2023
4	Standardization of Norms for each layer	15th Feb 2023
5	Finalization of required Meta-Data	15th Feb 2023

3.   This issues with approval of Secretary, MNRE.

(Tarun Singh)
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To

1. Managing Director of REIAs

2. DG, NIWE

3. Managing Directors of RE SNAs of all States

4. Managing Directors of STUs of States implementing GEC schemes

5. Members of Gati Shakti Cell, MNRE

Copy to

1. PSO to Secretary, MNRE

2. PS to Adv (DN) / Member-NPG, MNRE

3. Member-NPG, Ministry of Power – *w.r.t. points 1 (iv) and 1 (v) above.*

4. Shri Narsi Meena, Director, DPIIT, Ministry of Commerce

5. Shri Ajay Patel, BISAG-N