

**Observations of GETCO on Project Inception Report of Transmission System for Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat (15GW) and their treatment**

<b>Comments of GETCO vide letter e-mail 06.09.2021 (enclosed)</b>	<b>Treatment</b>
<p><b>Regarding Khavda REZ scheme</b></p> <ul style="list-style-type: none"> <li>• All the Park developers at Khavda shall be treated at par and connectivity to all the park developers shall be granted at 400 KV level. 220 KV level shall not be created for grant of connectivity to park developers.</li> </ul>	<ul style="list-style-type: none"> <li>• Noted.</li> </ul>
<p><b>Regarding System Strengthening in Gujarat associated with integration of RE projects from Khavda potential RE zone</b></p> <ul style="list-style-type: none"> <li>• 400/220 KV, 2x500 MVA transformers along with 4 Nos. of 220 KV feeder bays at proposed Kosamba 765/400/220kV S/s for GETCO downstream system may not be taken-up for immediate implementation and only space / design provision shall be kept for take-up in future as per requirement.</li> </ul>	<ul style="list-style-type: none"> <li>• Noted. In view of the same, System strengthening scheme associated with RE generation in Khavda area is being reviewed in consultation with CEA, POSOCO and GETCO.</li> </ul>

## Pratyush Singh {प्रत्युष सिंह}

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**From:** A S Shah <stu.getco@gmail.com>  
**Sent:** Monday, September 06, 2021 13:48  
**To:** Partha Sarathi Das {पार्थ सारथि दास}; Pratyush Singh {प्रत्युष सिंह}  
**Cc:** Dipak H Patel; acerc.getco@gebmail.com; SE STU N P Jadav; PSPA-1, CEA; PSPA-I CEA; Member Secretary  
**Subject:** Re: FW: Project Inception Report : Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat (15GW)  
**Attachments:** CEA-Letter\_Comments-3rdWRPCTP.pdf

Dear Sir,

We have already furnished our comments on MoM of 3rd WRPCTP meeting, vide letter dated 19.08.2021.

We have requested that 400/220 KV, 2 x 500 MVA transformers along with 4 Nos. of 220 KV feeder bays for GETCO downstream system may not be taken-up for immediate implementation and only space / design provision shall be kept for take-up in future as per requirement.

We have also submitted that all the Park developers at Khavda shall be treated at par and connectivity to all the park developers shall be granted at 400 KV level. 220 KV level shall not be created for grant of connectivity to park developers.

Our letter dated 19.08.2021, submitted to CEA is attached herewith for ready reference and may be considered as our observations.

Regards,

K. H. Rathod,  
ACE (R&C), GETCO

On Mon, Sep 6, 2021 at 12:59 PM Dipak H Patel <[desystem@gebmail.com](mailto:desystem@gebmail.com)> wrote:

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**From:** Pratyush Singh {प्रत्युष सिंह} [mailto:[pratyush.singh@powergrid.in](mailto:pratyush.singh@powergrid.in)]  
**Sent:** 17 August 2021 17:45  
**To:** [mdtransco@cspc.co.in](mailto:mdtransco@cspc.co.in); [mddiscom@cspc.co.in](mailto:mddiscom@cspc.co.in); [mddiscom@gmail.com](mailto:mddiscom@gmail.com); [celdcg@sldccg.com](mailto:celdcg@sldccg.com); [md.getco@gebmail.com](mailto:md.getco@gebmail.com); [md.mgvcl@gebmail.com](mailto:md.mgvcl@gebmail.com); [sldc.getco@gmail.com](mailto:sldc.getco@gmail.com); [bbm@gebmail.com](mailto:bbm@gebmail.com); [md@mptransco.nic.in](mailto:md@mptransco.nic.in); [mjkjpeb@gmail.com](mailto:mjkjpeb@gmail.com); [celd@sldcmpindia.com](mailto:celd@sldcmpindia.com); [md@mahatransco.in](mailto:md@mahatransco.in); [md@mahadiscom.in](mailto:md@mahadiscom.in); [celd@rediffmail.com](mailto:celd@rediffmail.com); [cee-elec.goa@nic.in](mailto:cee-elec.goa@nic.in); [syroy@ntpc.co.in](mailto:syroy@ntpc.co.in); [rubysrivastava@npcil.co.in](mailto:rubysrivastava@npcil.co.in); [Kashyapdesai@torrentpower.com](mailto:Kashyapdesai@torrentpower.com); [cmd@posoco.in](mailto:cmd@posoco.in); [srnarasimhan@posoco.in](mailto:srnarasimhan@posoco.in); [debasis.de@posoco.in](mailto:debasis.de@posoco.in); [nallarasan@posoco.in](mailto:nallarasan@posoco.in); [vks@posoco.in](mailto:vks@posoco.in); [susha@posoco.in](mailto:susha@posoco.in); [pushpa@posoco.in](mailto:pushpa@posoco.in); [stoawrldc@posoco.in](mailto:stoawrldc@posoco.in); [goutamroy.cea@nic.in](mailto:goutamroy.cea@nic.in); [skrmohapatra@nic.in](mailto:skrmohapatra@nic.in); [awdhesh@nic.in](mailto:awdhesh@nic.in); [ms-wrpc@nic.in](mailto:ms-wrpc@nic.in); [as-wrpc@nic.in](mailto:as-wrpc@nic.in); [dirop@mahatransco.in](mailto:dirop@mahatransco.in); [cestu@mahatransco.in](mailto:cestu@mahatransco.in); [khedekarvg@yahoo.com](mailto:khedekarvg@yahoo.com); Vikas Sachan <[vikas.cea@gov.in](mailto:vikas.cea@gov.in)>; [nitindeswal14@gmail.com](mailto:nitindeswal14@gmail.com); [dipakpatel80@gmail.com](mailto:dipakpatel80@gmail.com); Dipak Patel <[desystem@gebmail.com](mailto:desystem@gebmail.com)>; CE(P&D), MPPTCL <[ceps321@yahoo.com](mailto:ceps321@yahoo.com)>; [cepsmpptcl@gmail.com](mailto:cepsmpptcl@gmail.com); [ed-jetech-dd@nic.in](mailto:ed-jetech-dd@nic.in); 'eddaman@gmail.com' <[eddaman@gmail.com](mailto:eddaman@gmail.com)>; [cestu@mahatransco.in](mailto:cestu@mahatransco.in); [awd.cea1@gmail.com](mailto:awd.cea1@gmail.com); [rumsinfo@mpnred.com](mailto:rumsinfo@mpnred.com); [priyam\\_cea@nic.in](mailto:priyam_cea@nic.in)  
**Cc:** Ajay Kumar {अजय कुमार} <[sriajaykumar@powergrid.in](mailto:sriajaykumar@powergrid.in)>; Ashok Pal {अशोक पाल} <[ashok@powergrid.in](mailto:ashok@powergrid.in)>; Bhaskar

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**Subject:** Project Inception Report : Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat (15GW)

Dear Sir/Madam,

Transmission System for Evacuation of Power from potential renewable energy zone in Khavda area of Gujarat (15GW) was discussed and agreed in the 3<sup>rd</sup> WRPC (TP) meeting held on 14.06.2021. The details of the Transmission System, its justification, estimated cost and its tariff impact, results of the system studies, study assumptions, approval details etc. are provided at <https://webapps.powergrid.in/ctu/u/> (copy attached) for stakeholders (Generators, STUs, RLDCs, SLDC & Distribution Licensees) observations, if any, latest by **03.10.2021** at mail ids [psdas@powergrid.in](mailto:psdas@powergrid.in); [pratyush.singh@powergrid.in](mailto:pratyush.singh@powergrid.in);

Regards,

Pratyush Singh  
Manager

Central Transmission Utility Department  
Power Grid Corporation of India Ltd.

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दावात्याग : यह ईमेल पावरग्रिड के दावात्याग नियम व शर्तों द्वारा शासित है जिसे <http://apps.powergrid.in/Disclaimer.htm> पर देखा जा सकता है।

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**GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED**

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Ref No: ACE(R&C)/STU/511/16

Date: 19/08/21

To,  
Shri Ishan Sharan,  
Chief Engineer (PSPA-I),  
Power System Planning & Appraisal-I Division,  
Central Electricity Authority,  
Sewa Bhavan, R. K. Puram,  
New Delhi – 110 066.

**Sub: GETCO comments on MoM of 3<sup>rd</sup> WRPCTP Meeting held on 14.06.2021.**

**Ref:** MoM of 3<sup>rd</sup> WRPCTP meeting held on 14.06.2021 issues vide CEA letter No. CEA-PS-11-23(19)/1/2019-PSPA-I Division//16620/2021 dated 19.07.2021.

Dear Sir,

This has reference to the MoM of 3<sup>rd</sup> WRPCTP meeting held on 14.06.2021. Following schemes are approved as a part of "System Strengthening in Gujarat associated with integration of RE projects from Khavda potential RE zone"

- A) Approved scheme is recorded as "Establishment of 2x1500 MVA, 765/400 kV & 2x500 MVA, 400/220 kV Kosamba S/s with 2x330 MVA 765 kV and 1x125 MVA 400 kV Bus reactor. [with 110MVA & 80 MVA, 765kV single phase reactor units (spare units for bus/line reactor) and 1x500 MVA, 765/400 kV single phase spare transformer].....Implementation of 4 nos. of 220 kV outlets from Kosamba 765/400/220 kV s/s to be implemented by GETCO in matching time frame of Kosamba 765/400/220 kV substation (with 4 nos. 220 kV line bays for 220 kV outlets)"

In this regard, it is to submit that we wish to have 220 KV outlets for 4-5 years timeframe if 765 KV substation is located surrounding Surat city. However, 400 KV outlets planned towards 400 KV Magarwada & Kala substation are around 100-110 KM from Surat peripheral area and around 150 KM from Kosamba region. Also, this area may attract huge RoW issues. If 765 KV substation is located in the south zone itself then it will be easy to have 400 KV outlets towards Magarwada & Kala substations. However, in this situation, GETCO may not need 220 KV outlets in near future of considering the fact that 4 Nos. of 220 KV outlets are already being planned from 400 KV Vapi-II (under construction as an ISTS scheme).

Therefore, it is suggested that 400/220 KV, 2 x 500 MVA transformers along with 4 Nos. of 220 KV feeder bays for GETCO downstream system may not be taken-up for immediate implementation and only space / design provision shall be kept for taken-up in future as per requirement.

- B) Scheme for fault level control at Dehgam (PG) & Ranchhodpura (GETCO) S/s. Approved scheme is "Bypassing of Ranchhodpura(GETCO) – Dehgam(PG) 400 kV D/c line at Dehgam(PG) S/s and connecting it with Dehgam(PG) – Pirana 400 kV

D/c line (one circuit via Nicol) so as to form Ranchhodpura(GETCO) – Pirana(PG) 400 kV D/c line (one circuit via Nicol).”

In this regard, it is to submit that Rachhodpura(GETCO) – Dehgam(PG) 400 kV D/c line is Intra-State / GETCO line whereas Dehgam(PG) – Pirana 400 kV D/c line (one circuit via Nicol) is Inter-State / POWERGRID line. Therefore, few issues may please be addressed: (i) identification of new lines i.e. 400 KV Rachhodpura(GETCO) – Pirana S/C line and 400 KV Rachhodpura(GETCO) – Nicol – Pirana S/C line, (ii) claiming & sharing of transmission charges of 400 KV Rachhodpura(GETCO) – Pirana S/C line and 400 KV Rachhodpura(GETCO) – Nicol – Pirana S/C line, (iii) coordination for outage / maintenance? etc.

In addition to above, regarding SECI submission for provision of 220 KV voltage class at Khavda Pooling Station 3 (KPS3) for grant of connectivity at 220 KV level, GETCO reiterate that all the Park developers at Khavda shall be treated at par and as decided and recorded in the MoM, connectivity to all the park developers shall be granted at 400 KV level.

It is requested to consider above inputs before finalization of MoM of 3<sup>rd</sup> WRPCTP meeting held on 14.06.2021.

Thanking you,

Yours faithfully

For Gujarat Energy Transmission Corporation Limited

  
(K. H. Rathod) 15/11

Additional Chief Engineer (R&C)

Copy fwcs to:

- 1) The Managing Director, GETCO, Vadodara
- 2) The Chief Operating Officer (CTU Planning),  
Central Transmission Utility of India Limited,  
"Saudamini", Plot No-2, Sector – 29, Gurgaon, Haryana – 122 001.
- 3) The Member Secretary,  
Western Regional Power Committee,  
F-3, MIDC Area, Andheri (East), Mumbai – 400 093