



The Administration of Union Territory of Ladakh
Ladakh Autonomous Hill Development Council
DEPARTMENT OF WILD LIFE & FOREST PROTECTION
OFFICE OF THE DIVISIONAL FOREST OFFICER & WILDLIFE WARDEN, KARGIL
Email: dfokargil123@gmail.com & wildlifewardenkargil@gmail.com

**The Chief Wildlife Warden /
Chief Conservator of Forests,
UT Ladakh**

No: FDK/EAH/2021-22/1305

Dated: 11-12-2021

Sub: Submission of e-Joint Survey Report for 220 kV T/L from Drass to Padum and 220/33 kV GIS Padum

Sir,

Kindly find enclosed herewith the e-joint survey report of 220 kV T/L from Drass to Padum and 220/33 kV GIS Padum which was conducted by the undersigned along with the following officers and officials on 03-12-2021.

1. Shri. Nitin Kumar, Deputy Manager, RECPDCL
2. Shri. Abid Hussain, Sr.Engineer, RECPDCL
3. Shri. Ghulam Nabi, AEE LPDD
4. Shri. Mohammad Ilyas, Range officer, Sankoo, Kargil
5. Shri. Valiyat Ali, Range Officer, Drass and Zanskar, Kargil
6. Shri. Parmeet Singh, AM, M/s RS Infraprojects
7. Shri. Ramu Kumar, Surveyor, M/s RS Infraprojects
8. Shri. Nayan Das, Surveyor, M/s Tata Projects
9. Shri. Devendar Singh, Surveyor, M/s L&T

Hence, submitted for your kind information and further necessary action.

Yours faithfully


(Raza Ali Abidi)

Divisional Forest Officer and
Wildlife Warden, Kargil
Kargil Forest Division

Copy for information to:

1. The Chief Engineer, LPDD, Union Territory of Ladakh.
2. The Addl. CEO-II, RECPDCL, Gurugram Haryana.



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e-Joint Survey Report

MoP vide OM No. 3/6/2016-Trans-Volume (2) dated 20th May, 2021 approved Rs.1203.08 Cr to UT, Ladakh under Prime Minister's Development Package (PMDP) 2015 for the following System Strengthening Transmission Projects:

Table:1

Sl.	Transmission Project	Packages	Route/Location Details	Awarded Route Length (km)
1.	220 kV S/C T/L from Phyang to Diskit on D/C Tower	TL Package-01 (EPC Agency: M/s Transrail)	Phyang to North Pullu	37.60
		TL Package-02 (EPC Agency: M/s RS Infra)	North Pullu to Diskit	40.00
		Total Route Length		77.60
2.	220 kV S/C T/L from Drass to Padum on D/C Tower	TL Package-03 (EPC Agency: M/s Tata)	Drass to Kochik	63.53
		TL Package-04 (EPC Agency: M/s L&T)	Kochik to Rangdrum	65.12
		TL Package-05 (EPC Agency: M/s RS Infra)	Rangdrum to Padum	66.63
		Total Route Length		195.28
3.	50 MVA, 220/33 kV GIS along with 25 MVAR Reactor	GIS Package-01 (EPC Agency: M/s Siemens)	Padum	-
4.	50 MVA, 220/33 kV GIS	GIS Package-02 (EPC Agency: M/s Techno Electric)	Diskit	-

RECPDCL (a subsidiary of REC Limited, a Navratna CPSU under MoP) has been appointed by MoPas "Project Implementing Agency" (PIA) for this project to assist Ladakh Power Development Department (LPDD). The transmission lines and GIS Sub-stations under this project have been divided into 5 and 2 Packages respectively to ensure the timely completion of projects. The envisaged benefits under these projects are as follows:

1. Act as a catalyst in the socio-economic development of Nubra and Zaskar valley.
2. Strategic in nature and will provide grid connectivity to the border areas.
3. Ensure power evacuation from upcoming hydroelectric projects.
4. Link far-flung villages to the Grid and phase out DG sets, thus take one more step towards achieving Carbon Neutrality in Ladakh.
5. Ensure 24x7 grid-connected power supply as compared to present 7-8 hours of power supply through DG sets.

In this connection, RECPDCL vide Lr. Nos. RECPDCL/PMDP-15/TL/1325 and RECPDCL/PMDP-15/TL/1326 both dated 16.09.2021, requested CWW and CCF, Ladakh respectively to arrange the preliminary survey for the identification of wildlife and forest area falling in these transmission projects.

The TL Packages 3, 4&5 and GIS Package 1 mentioned under table 1 falls under the jurisdiction of this office. A joint e-survey to identify the forest, wildlife and wetland sections i.r.o. these packages from Drass GIS Gantry (567116.00E, 3809787.00N) to GIS Diskit Gantry (669331.00E, 3707600.00N) was carried out on 03rdDec, 2021 by the officers mentioned in the Attendance Sheet enclosed as **Annexure-1**.

During joint e-survey of 220 kV T/L from Drass to Padum and 220/33 kV GIS Padum followings were observed:

Table:2

S.No.	Description	EPC Agency/PKG/Total Tower/AP Locations
1	AP Locations lies in Forest Area	<p>TATA (PKG III): Total 7 locations viz 147-148,150,174-175,213-214</p> <p>L&T (PKG IV): Total 9 Locations viz 1066 to 1074</p> <p>Rs Infra (PKG V): Total 19 Locations viz 2105-2106, 2120-2121, 2164, 2187 to 2190, 2198-2199, 2206-2207, 2210 to 2213, 2215-2216. Location between Umba and Drass to be reverified on ground.</p>
2	AP Locations lies in Wildlife Area	There is no as such notified Wildlife area lies in the route of T/L s and GIS Padum.
3	AP Locations lies in Wet Land	L&T (PKG IV): Total 43 Locations viz 1083 to 1109, 1118 to 1124 (if possible upto 1135), 1172 to 1176
4	AP Locations lies in Tourist Attraction Spot	RS Infra (PKG V): Total 07 Locations viz 2004-2010

Suggestions/Advice:

1. Submit a copy of DPR to this office.
2. Apply for Forest clearance through the Parivesh Portal for the T/L sections identified under Forest area.
3. The locations identified at S.No. 3 of Table 2 are considered as wetland where foreign birds migrate seasonally. The proposal of wetland is under the pursuance of the concerned Ministry. Accordingly, the concerned agencies and departments were advised to review the route of the T/L under the guidance of Forest/wildlife department.
4. A joint physical survey shall be conducted by the Range Officers and the intending agencies to ascertain the points especially of the areas that comes under forest areas when it is feasible.
5. Ladakh is a cold desert area with very low forest cover and all possible measures should be taken to avoid forest lands and areas.
6. Ladakh is a part of the Central Asian Flyways and important avi faunas cross these areas, all possible measure should be taken to keep safe them.
7. Maintain proper gap b/w tower cross-arm and jumpers so that electrocution of birds may be avoided.
8. Install Bird reflectors near wetland to avoid any electrocution of the migratory birds.
9. Light weight machinery should be used so that minimum damage due to vibrations to migratory birds near wetland may be ensured.
10. The location lies in b/w tower/AP nos. 2004 to 2010 is known for twin lakes and it's a prominent tourist attraction spot/point. It was advised to review the route of the T/L to retain the natural beauty of the location under the guidance of Forest/wildlife department.

11. The proposed route should not deviate without prior intimation to Wild Life and Forest Department, Kargil.
12. The area traverse through Suru Valley which is a major tourist attraction point, hence it is requested to take due care to not spoil the aesthetics and tourist attraction points.
13. They agency shall also submit mug disposal plan in the said area.
14. Measures should be taken to increase the green cover in this area.
15. Works should not commence until the approval from competent authorities.

Undertaking by RECPDCL and LPDD:

1. The T/L route passing through proposed wetlands and tourist spots will be reviewed with DFO and WLW, Kargil along with the officers of Ladakh Power Development Department (LPDD), REC Power Development Consultancy Ltd, Power Grid Corporation of India Ltd (PGCIL), Technical Experts and respective EPC agencies.
2. Proper gap shall be maintained b/w tower cross-arm and jumpers so that electrocution of birds may be avoided near wetland.
3. Bird reflectors will be installed at the locations suggested by the Forest/Wildlife Department, Kargil.
4. Best possible efforts will be taken care of to use Light Weight Machinery.
5. In case of route deviation, same shall be informed to the concerned authority of wildlife.

No:- FDK/Estt/2024-22/1305
Dated:- 11-12-2024

DFO, Office, Kargil

List of participants, 03/12/2021

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