



**PUNJAB STATE TRANSMISSION CORPORATION LIMITED**

Regd. Office:- PSEB Head Office, The Mall, Patiala – 147001, Punjab, India

O/o SE/Planning, PSTCL, Patiala

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CIN-U40109PB2010SGCO33814

To,

Amendment No:06/2023-24

- 1) Dy. CE/TS (Design),  
PSTCL, Patiala.
- 2) Dy. CE/Civil Works,  
PSTCL, Patiala.
- 3) Dy. CE/TLSC,  
PSTCL, Patiala.
- 4) Dy. CE/Grid Construction,  
PSTCL, Ludhiana.

Memo No. 274/77

P-1/373

Dated: 01.06.2023


**Subject: - Regarding release of RTSS connection from new proposed 220 kV Chak Janisar to 220kV RTSS Lakhewali**

The scope of work is planned as below:

Sr. No.	GSS	TSS	Scope of Work	Est. Cost (Rs.)	Remarks
1.	220kV Switching S/S Chak Janisar (proposed 220kV Switching Station in the land adjoining 66kV S/Stn. Chak Janisar)	220 kV S/S Lakhewali	LILO of 220 kV shri Muktsar Sahib-Ghubaya line of 0.4sq" ACSR emanating from 400kV S/Stn. Shri Mukatsar Sahib at 66 kV S/Stn. Chak Janisar (proposed 220kV Switching Station) approx. length 3Km DC on DC and new 220 kV line of 0.4sq" ACSR from 220 kV Switching S/S Chak Janisar to 220KV RTSS Lakhewali approx.4.5Km SC on DC	Rs. 6,00,000,00/- (approx.) <b>(Grid Const.)</b> + Rs. 9,81,83,290/- <b>(TLSC Divn.)</b> + Rs. 5,03,38,780 /- including cost of land <b>(Civil works)</b>	<ol style="list-style-type: none"><li>1. This work is being planned in view of the revised FCC decision issued vide ASE /Sales-4 O/o CE/ Commercial PSPCL, Patiala vide memo no. 673/SWS/App No.6194 dated 13.04.2023 (copy enclosed).</li><li>2. Estimated cost has been considered as intimated by Sr. XEN/Civil works Division, PSTCL, Jalandhar, vide memo. No. 916 dated 04.05.23 addressed to Dy. CE, Civil works, PSTCL, Patiala and copy to this office, Dy.CE/TLSC Circle, PSTCL, Patiala vide memo. No. 1266 dated 08.05.2023 and ASE/Grid Const. Circle,</li></ol>

					<p>PSTCL, Moga vide Endst no. 1485/86 dated 09.05.2023.</p> <p>3. The work will be started after deposit of the amount by PSPCL/Railways to PSTCL.</p> <p>4. Dy. CE/Railway Electrification Bathinda vide its letter No. CPD/RE/UMB/EPC-8/EL/157B dated 07.03.2023 has authorized PSTCL to purchase land used for erecting 220kV Switch Gear for Railway Electric Traction Circuit at Chak Janisar GSS on behalf of Railways and Railways will bear the cost of that land.</p> <p>5. This work will be considered as contributory work.</p> <p>6. This work is subject to ratification by BODs.</p>
<b>TOTAL</b>				<b>20,85,22,070/-</b>	

This issues with the approval of Technical Committee of PSTCL.

  
**Dy. Chief Engineer/Planning,**  
**PSTCL, Patiala**

  
 01/06/23

cc: - 278/82

Dated: 01.06.2023

- 1) Director/Technical, PSTCL, Patiala.
- 2) Chief Engineer/TS, PSTCL, Patiala.
- 3) Chief Engineer/P&M, PSTCL, Ludhiana
- 4) Chief Engineer/Planning, PSPCL, Patiala.
- 5) Dy. Chief Engineer/P&M, PSTCL, Bathinda.



To

Divisional Railway Manager (TRD),  
Northern Railway, Firozpur.

Memo No.: 673 /SWS/App No. 6194 Dated: 13/04/23

Sub: Revised - Feasibility Clearance for a new connection of Divisional Railway Manager (TRD), Northern Railway, Firozpur (Sr. Divisional Electrical Engineer/TRD, Firozpur) of load of 4500 kW/5000 kVA. (App no. 6194)

Ref: CE/DS West Zone, PSPCL Bathinda office memo no. 4345/46 dated 14.03.2023.

The subject cited case was discussed in the FCC Meeting held on 28.03.2023 as per discussion held -

- i. FCC decided to allow new load of 4500 kW/5000 kVA after erecting new 220 kV line of 0.4 sq" ACSR 4.5 km approx from new proposed 220 kV Switching Station at 66 kV S/Stn. Chak Janisar up to 220 kV RTSS Lakhewali and erecting 220 kV bay(s) at 66 kV S/Stn. Chak Janisar subject to commissioning of 220 kV switching station at 66 kV S/Stn. Chak Janisar through LILO of 220 kV Shri Mukatsar Sahib - Ghubaya line with 0.4 sq" ACSR emanating from 400 kV S/Stn. Shri Mukatsar Sahib.
- ii. Further, Railways has submitted an undertaking to authorize PSTCL to purchase land used for erecting 220 kV Switch Gear for Railway Electric Traction Circuit at Janisar GSS on behalf of Railways and Railways will bear the cost of that land. FCC directed Dy.CE/Planning PSTCL who attended the meeting on behalf of CE/TS PSTCL to expedite the purchase of land and for early execution of work of 220 kV Switching Station.
- iii. All expenditure regarding cost of required land, construction of switching station and allied equipment/switch yard/control room etc. shall be borne by the Railways.
- iv. Railway shall pay the full O&M charges as per CERC norms (payable annually) until the 220 kV Switching Station is not upgraded to 220kV Substation for the use of PSPCL/PSTCL.

The expenditure will be recoverable from the consumer as per Supply Code 2014 Regulation no 9.1.1 (amended up to date).

You are requested to register A&A Form along with requisite charges within **30 days** extendable upto **60 days** as per Supply Code Regulation 6.3.3 (amended up to date) from the date of issue of this letter **failing which this permission shall automatically stand elapsed. No further extension** in time limit shall be allowed for registration of your application on account of **whatsoever reason it may be**. This permission shall not be any commitment on the part of PSPCL to release this load/CD. This load/CD shall be released as per policy/Regulation strictly as per prescribed rules of seniority. The above load/CD shall be subject to usual power cuts/energy restrictions as may be enforced from time to time. In case you fail to register A&A Form within the stipulated period **the total amount of earnest money** deposited by you shall be **forfeited**. It is further intimated that the seniority shall be re-fixed for issue of Demand Notice according to the date of registration of A&A Form.

-sd-  
ASE/Sales-4  
For: CE/Commercial  
PSPCL, Patiala.



Copy of the above is forwarded Dy CE/DS Circle PSPCL Shri Mukatsar Sahib for information and further necessary action. It is requested to get the application (A&A) registered for release of load/CD within stipulated period after ensuring the compliance of conditions as imposed above and other commercial instructions as per Supply Code & its upto date amendments in vogue on the subject. It may be ensured that Supply Code 2014 Regulation No. 6.4.3 (c) and ESIM 2018 Instruction 3.3.1 (c) is complied by the consumer. The date of registration of application be intimated to this office. The application may not be registered until it is complete in all respects failing which responsibility shall lie with the concerned officers/officials registering the A&A forms. Further, it may be ensured that the applicant surrenders original feasibility clearance duly signed and other documents as per terms of the feasibility clearance at the time of registration of A&A forms as is being done while complying with the demand notice. The applicant should be suitably informed by his office about the above feasibility clearance. If the due date of filing of A&A forms is Saturday, Sunday or Public Holiday the succeeding working day shall be treated as due date.

**Minutes of FCC meeting held on 28.03.2023 are as under:-**

The feasibility to the subject cited applicant was earlier accorded vide Commercial office memo No. 1123/28 dated 13.07.2022 with decision as below -

- i) FCC decided to allow new load of 4500 kW/5000 kVA after erecting new 220 kV line of 0.4 sq" ACSR 15 km approx from new 220 kV S/Stn. Arniwala (proposed switching station at 66 kV S/Stn. Arniwala) up to 220 kV RTSS Lakhewali and erecting 220 kV bay(s) at 220 kV Arniwala subject to commissioning of 220 kV Arniwala switching station through LILO of 220 kV Shri Mukatsar Sahib- Abohar line with 0.4 sq" ACSR emanating from 400 kV S/Stn. Shri Mukatsar Sahib.
- ii) FCC directed CE/TS, PSTCL to inform the tentative cost involved in giving connection to Railway through proposed arrangement of making 220 kV Switching Station at 66 kV Arniwala through LILO of 220 kV Shri Mukatsar Sahib- Abohar line with 0.4 sq" ACSR along with 220 kV bay(s) to the CE/DS, West Zone PSPCL, Bathinda and field office to inform the same to the Railways.

CE/DS, West Zone PSPCL Bathinda intimated that as per feasibility granted vide memo dated 13.07.2022, Demand Notice No. 677 dated 22.08.2022 of Rs. 50,95,18,744/- was issued to Railway and no compliance was made by the applicant. However, applicant requested Hon'ble CMD PSPCL Patiala vide letter No. RE/UMB/EPC-8/EL/157B dated 29.09.2022 to release his connection by tapping 220 kV Mukatsar-Ghubaya line and erecting switching station at Chak Janisar instead of 220 kV Arniwala (feasibility accorded) so that expenditure involved to release this connection may be reduced.

Accordingly, CE/DS, West Zone PSPCL Bathinda vide its memo No. 644/45 dated 10.01.2023 sent revised proposal. The case was again discussed in the FCC meeting held on 16.01.2023 as below:-

1. ASE/O&M, PSPCL Shri Mukatsar Sahib has given their concurrence to erect 220 kV Switching yard at 66 kV S/Stn. Chak Janisar vide memo No. 4654 dated 30.12.2022 addressed to SE/P&M, Circle PSPCL Bathinda.
2. CE/TS PSTCL, Patiala office vide memo No. 655 dated 14.11.2022 has intimated to CE/DS West Zone, PSPCL, Bathinda that "All the expenditure on the construction of switching station and the allied equipment/switch yard/control room etc. shall be borne by the Railways and Railway shall pay the full O&M charges as per CERC norms."
3. Chief Project Director, Railway Electrification, Ambala Cantt. vide its office memo No. CPD/RE/UMB/EPC-8/157B dated 26.12.2022 has submitted undertaking as below:-
  - a All expenditure on the construction of switching station and allied equipment/switch yard/control room etc. shall be borne by the Railways.



- b. Railway shall pay the full O&M charges as per CERC norms (payable annually)

CE/TS, PSTCL, Patiala has informed in the meeting that space for erecting only requisite no. of 220 kV Bay(s) is available at 66 kV S/Stn. Chak Janisar for erecting 220 kV Switching Station to release Railways load. However, no space shall further be left for future expansion/upgradation to 220 kV S/Stn. Further, regarding O&M charges, CE/TS, PSTCL has deliberated that Railway shall borne O&M charges until the 220 kV Switching Station is not upgraded to 220kV Substation for the use of PSPCL/PSTCL.

*In view of above, FCC directed Dy.CE/DS Circle, PSPCL, Shri Mukatsar Sahib to take up matter with Railways to provide sufficient adjacent land at their own cost to erect 220 kV Switching Station and bay(s) at 66 kV S/Stn. Chak Janisar (required for future upgradation to 220 kV S/Stn.). As such, FCC decided to defer the case and directed Dy.CE/DS Circle, PSPCL, Shri Mukatsar Sahib to send the proposal accordingly at the earliest.*

Now, in view of above, CE/DS West Zone, PSPCL Bathinda vide memo No. 4345/46 dated 14.03.2023 has sent the proposal vide which it is intimated that Dy CE/DS Circle, PSPCL, Shri Mukatsar Sahib vide its memo No. 1413 dated 02.02.2023 to Chief Project Director, Railway Electrification, Ambala Cantt. requested to provide sufficient adjacent land at their own cost to erect 220 kV Switching Station and Bay(s) at 66 kV S/Stn. Chak Janisar. In response, Dy. CE/Railway Electrification Bathinda vide its letter No. RE/BTI/EL/104/001 dated 10.02.2023 has stated as below -

- a. All expenditure regarding cost of required land to erect 220 kV Switching Station and Bays at 66 kV S/Stn. Chak Janisar shall be borne by the Railways
- b. Railway shall bear the O&M charges as per CERC norms (payable annually)

Dy CE/DS Circle, PSPCL, Shri Mukatsar Sahib vide its memo No. 1967 dated 14.02.2023 and 2296 dated 22.02.2023 requested CE/TS PSTCL Patiala to intimate regarding how much land is required to erect 220 kV Switching Station and Bay at 66 kV S/Stn. Chak Janisar. In this regard, SE/Planning, PSTCL Patiala vide memo No. 68 dated 03.03.2023 has intimated Dy.CE/DS Circle, PSPCL, Shri Mukatsar Sahib regarding the land required and marked the same in the Sketch for total required land.

Further, SE/Planning PSTCL Patiala vide its memo No. 75/P1-373 dated 07.03.2023 intimated Dy CE/DS Circle, PSPCL, Shri Mukatsar Sahib for obtaining the consent of Railways as below -

***"The required land adjoining to 66 kV S/Stn. Chak Janisar be either purchased by Railways and provided to PSTCL for construction of Switching Station or Railways may authorized PSTCL to purchase the land on their behalf and Railways will bear the cost of land. The work of construction of switching station and associated Transmission line shall be taken in hand after the possession of land.***

***It is requested that after obtaining the consent of Railways agenda may accordingly be submitted to FCC please."***

In view of above, Dy.CE/DS Circle, PSPCL, Shri Mukatsar Sahib vide its memo No. 2984 dated 07.03.2023 requested to Chief Project Director, Railway Electrification, Ambala Cantt. to give its consent as above. Dy CE/Railway Electrification Bathinda vide its letter No. CPD/RE/UMB/EPC-8/EL/157B dated 07.03.2023 stated as below:-

***"It is once again clarified that Railways hereby authorized PSTCL to purchase land used for erecting 220 kV Switch Gear for Railway Electric Traction Circuit at Chak Janisar GSS on behalf of Railways and Railways will bear the cost of that land."***

The technical data sent by CE/DS West Zone PSPCL, Bathinda vide its memo No. 4345/46 dated 14.03.2023 is as below:-



Load of the applicant is proposed to be released after erecting new 220 kV line of 0.4 sq" ACSR 4.5 km approx from 220 kV S/Stn. Chak Janisar (to be upgraded from 66 kV S/Stn. to 220 kV S/Stn.) up to 220 kV Railway S/Stn. RTSS Lakhewali to be erected. The sketch is duly vetted by ASE/TLSC Division PSTCL Patiala.

Expected loading on this line comes out to be 5 MVA against the capacity of 215 MVA making line loaded by 2.32%.

- A) **Backup Line:-** 220 kV S/Stn. Chak Janisar (to be upgraded from 66 kV S/Stn. to 220 kV S/Stn.) shall be fed from 400 kV S/Stn. Shri Mukatsar Sahib through LILO of 220 kV Shri Mukatsar Sahib - Ghubaya line with 0.4 sq" ACSR length 1.5 km (approx.) as per sketch. M.D. recorded on 220 kV line from 400 kV Mukatsar Sahib - Ghubaya line ckt No. 1 & 2 is 444.33 Amps dt. 05.09.2022 and 446.270 Amps dt. 10.08.2022 resp. which can take up the load of the applicant considering the applied load.
- B) **Feeding/Mother Station:-** 220 kV S/Stn. Chak Janisar shall be interconnected in 220 kV Ring main mode. However, the detail of nearest 400 kV Feeding S/Stn. Shri Mukatsar Sahib feeding 220 kV Chak Janisar (upgradation proposed) is as below:-

Expected load on Mother Station 400 kV S/Stn. Shri Mukatsar Sahib shall be 820.319 MVA against installed capacity of 1130 MVA and is loaded by 72.594 %. Hence, can take up the load of consumer.

Dy. CE/DS Circle PSPCL, Shri Mukatsar Sahib has certified that no court case and no defaulting amount is pending against the applicant till date.

Dy. CE/Planning PSTCL Patiala apprised FCC in the meeting regarding timeline of the mentioned work is 18 month from the date of deposit of total amount of cost of land, construction cost of 220 kV line, switching station and Bay(s) by Railways subject to the condition that there is no hindrance in purchase of land and ROW required for construction of 22 kV line.

In view of above,

- i. FCC decided to allow new load of 4500 kW/5000 kVA after erecting new 220 kV line of 0.4 sq" ACSR 4.5 km approx from new proposed 220 kV Switching Station at 66 kV S/Stn. Chak Janisar up to 220 kV RTSS Lakhewali and erecting 220 kV bay(s) at 66 kV S/Stn. Chak Janisar subject to commissioning of 220 kV switching station at 66 kV S/Stn. Chak Janisar through LILO of 220 kV Shri Mukatsar Sahib - Ghubaya line with 0.4 sq" ACSR emanating from 400 kV S/Stn. Shri Mukatsar Sahib.
- ii. Further, Railways has submitted an undertaking to authorize PSTCL to purchase land used for erecting 220 kV Switch Gear for Railway Electric Traction Circuit at Janisar GSS on behalf of Railways and Railways will bear the cost of that land. FCC directed Dy.CE/Planning PSTCL who attended the meeting on behalf of CE/TS PSTCL to expedite the purchase of land and for early execution of work of 220 kV Switching Station.
- iii. All expenditure regarding cost of required land, construction of switching station and allied equipment/switch yard/control room etc. shall be borne by the Railways.
- iv. Railway shall pay the full O&M charges as per CERC norms (payable annually) until the 220 kV Switching Station is not upgraded to 220kV Substation for the use of PSPCL/PSTCL.
- v. Dy. CE/Planning PSTCL Patiala apprised FCC regarding timeline of the mentioned work is 18 month from the date of deposit of total amount of cost of land, construction cost of 220 kV line, switching station and Bay(s) by Railways subject to the condition that there is no hindrance in purchase of land and ROW required for construction of 220 kV line.

- vi. Dy. CE/DS Circle PSPCL, Shri Mukatsar Sahib directed to inform the consumer regarding expected delay in releasing the load due to transmission works involved.

The expenditure shall be recoverable from the consumer as per Supply Code clause no. 9.1.1 (amended up to date)

675/78  
13/04/23

*[Signature]*  
13/4/23  
ASE/Sales-4

For: CE/Commercial  
PSPCL, Patiala.

- CC -
1. CE/DS West Zone, PSPCL Bathinda.
  2. CE/Planning, PSPCL, Patiala.
  3. CE/TS, PSTCL, Patiala.
  4. CE/TS PSPCL, Patiala