



**PUNJAB STATE TRANSMISSION CORPORATION LIMITED**

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

O/o SE/Planning, PSTCL, Patiala

Fax/Ph:- 0175-2205502, Email:- [se-planning@pstcl.org](mailto:se-planning@pstcl.org)

CIN-U40109PB2010SGCO33814

To,

**Amendment No: 29/2023-24**

- 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. 666/69

P-1/373-A

Dated: 27/12/2023

**Subject: - Revised Feasibility Clearance for a new connection of Northern Railway TRD Branch, DRM office, Ambala Cantt. Of load of 4500 kW/ 5000kVA. (App no. 5904) at Bhawal Bassi instead of Panjkosi.**

The revised scope of work is planned as follows: -

Sr. No.	GSS	TSS	Scope of Work	Est. Cost (Rs.)	Remarks
1.	220kV Switching Station at Bhawal Bassi	220 kV S/S Bhawal Bassi	1)Erection of new 220kV Switching Station at Bhawal Bassi with LILO of 220kV Abohar-Malout line with ACSR 0.4 sq" D/C of 4 km(approx.)  2)Erection of new 220kV line with ACSR 0.4sq" line length 0.5km (approx.) from 220kV Switching Station to RTSS Bhawal Bassi S/C on	Rs. 500 lacs (approx.) <b>(Grid Const.)</b> + Rs.618.54lacs <b>(TLSC Divn.)</b> + Rs. 400 lacs <b>(Civil works)</b> + Rs.40.22 lacs <b>(OPGW cost)</b>	1. This work is being revised in view of Revised FCC decision issued by ASE /Sales-4 O/o EIC/ Commercial PSPCL, Patiala vide memo no. 1827/SWS/App No. 5904 dated 17.10.2023 (copy enclosed). 2. Estimated cost has been considered as intimated by ASE/Grid Const. Circle, PSTCL, Moga vide memo no. 2231 dated 21.07.2023, Sr. XEN/TLSC Division, PSTCL, Patiala vide endst. No. 2296 dated 29.11.2023, Sr.XEN/Civil works Jalandhar, vide email dated 15.12.2023 & AEE/ CO & C, PSTCL, Muktsar Sahib vide email dated 19.12.2023. 3. LILO of 220kV Malout-Abohar line at Bhawal Bassi along with construction of

			D/C.		<p>switching Station shall be carried out exclusively for Railways and Railway will bear the entire cost of Switching Station, line bays, Switch house building and LILO lines etc.</p> <p>4. The work will be started after deposit of the amount by PSPCL/ Railways to PSTCL.</p> <p>5. This work is subject to ratification by Technical Committee of PSTCL and subsequently by BODs of PSTCL.</p> <p>6. This Amendment shall supersede the Amendment no. 30/2022-23 dated 31.08.2022.</p>
			<b>Total</b>	<b>1558.76 lacs</b>	

This issues with the approval of Director/Technical please.

*Mal*

**Sr. XEN/Planning-1,  
PSTCL, Patiala.**

CC: - 670/75

Dated: 27/12/2023

- 1) Director/Technical, PSTCL, Patiala.
- 2) EIC, Commercial, PSPCL, Patiala.
- 3) Chief Engineer/TS, PSTCL, Patiala.
- 4) Chief Engineer/Planning, PSPCL, Patiala.
- 5) Dy. Chief Engineer/P&M, PSTCL, Bathinda.
- 6) Dy. CE/Distribution, PSPCL, Shri Mukatsar Sahib.



To

Northern Railway TRD Branch,  
DRM Office, Ambala Cantt.

Memo No.: 1827/SWS/App No. 5904 Dated: 17.10.2023

**Sub:** Revised - Feasibility Clearance for a new connection of Northern Railway TRD Branch, DRM Office, Ambala Cantt. of load of 4500 kW/5000 kVA. (App no. 5904)

**Ref:** CE/DS West Zone PSPCL Bathinda vide memo No. 16260/61 dated 13.09.2023.

The subject cited case was discussed in the FCC Meeting held on 05.10.2023 with discussion below:-

- i. FCC decided to revise the earlier accorded feasibility vide memo No. 1264/69 dated 05.08.2022 by allowing new load of 4500 kW/5000 kVA after erecting new 220 kV Switching Station at Bhawal Bassi with LILO of 220 kV Abohar-Malout line with ACSR 0.4 Sq" DC of 4 km (approx.) and after erecting new 220 kV Bay at 220 kV Switching Station Bhawal Bassi and new 220 kV line with ACSR 0.4 Sq" length 0.5 km (approx.) from 220 kV Switching Station Bhawal Bassi to RTSS Bhawal Bassi as per proposal sent by CE/DS West Zone, PSPCL Bathinda vide memo No. 16260/61 dated 13.09.2023.
- ii. LILO of 220 kV Malout-Abohar line at Bhawal Bassi along with construction of 220 kV switching S/Stn. shall be carried out exclusively for Railway and Railway will bear the entire cost of switching station, line bays, switch houses building and LILO lines etc. as informed by CE/TS, PSTCL Patiala.
- iii. Further, Railway can provide land on lease basis for construction of switching station to PSTCL provided that no lease amount is demanded from PSTCL by Railway or if required some small token amount for lease of land can be settled between PSTCL and Railway.
- iv. FCC directed to CE/DS West Zone Bathinda to inform the Railway regarding the cost involved in the entire arrangement.

All other terms and conditions shall remain same as per earlier feasibility clearance granted vide this office memo No. 1264/69 dated 05.08.2022.

*Sd*  
ASE/Sales-4  
For: EIC/Commercial  
PSPCL, Patiala.

Endst. No. 1828/SWS/App No. 5904 Dated: 17.10.2023

Copy of the above is forwarded Dy. CE/DS Circle PSPCL Shri Mukatsar Sahib for information and further necessary action.

**Minutes of FCC meeting held on 05.10.2023 are as under:-**

**A) History:-** The feasibility to the subject cited consumer was earlier accorded vide ASE/Sales-4 office memo No. 1264/69 dated 05.08.2022 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 10 km approx from 220 kV Switching S/Stn. Khuian Sarwar (proposed upgradation from 66 kV) upto 220 kV RTSS Panjkosi subject to commissioning of 220 kV Khuian Sarwar switching S/Stn. through LILO of 220 kV Malout - Abohar line with 0.4 sq" ACSR along with 3 No. 220 kV Bay(s).
- ii) LILO of 220 kV Malout-Abohar line at Khuian Server along with construction of 220 kV switching S/Stn. (upgradation from 66 kV) shall be carried out exclusively for Railway and railway will bear the entire cost of switching station, 3 no. line bays, switch houses building and LILO lines etc. as informed by CE/TS, PSTCL
- iii) FCC directed to CE/DS West Zone Bathinda to inform the Railway regarding the cost involved in the entire arrangement.

In view of above, a Demand Notice No. 11 dated 06.10.2022 for amounting to Rs. 51,34,35,900/- was served to the applicant. The applicant has not made compliance of the Demand Notice till date. The applicant vide letter No. CPD/RE/UMB/EPC-8/EL/157B dated 12.10.2022 has requested to CMD/PSPCL to release the connection through other route instead of earlier proposed 220 kV Khuian Sarwar so that expenditure can be reduced.

Northern Railway vide letter No. 230-Elec/TRD/UMB/PanjKosi/1022 dated 01.11.2022 requested Dy.CE/DS Circle PSPCL Shri Mukatsar Sahib to re-consider the proposed route in the proposal due to excessive amount of Demand Notice.

A meeting was conducted between officers of Northern Railway and CE/TS PSTCL Patiala and observation were raised by PSTCL as below:-

1. Railway will provide the requisite land for construction of Switching Station.
2. Railway will transfer the land ownership to PSTCL.
3. Railway will bear the entire O&M/replacement charges as per the CERC norms.

In view of above observations Northern railway vide letter No. CPD/RE/UMB/EPC-8/157B dated 26.12.2022 has submitted their consent as below:-

1. Railway can provide the requisite land for construction of switching station used for Railway purpose.
2. Railways acquired the land from state for running trains and it can't be transferred. It can be used for Railway Purpose only and can be leased only.
3. Railway shall bear the entire O&M/charges as per the CERC norms (Payable annually).

In view of above, revised technical proposal sent by Dy.CE/DS Circle PSPCL, Shri Mukatsar Sahib to CE/DS West Zone PSPCL Bathinda. However, Railway vide letter No. RE/BTI/EL/106/033 dated 18.04.2023 addressed to CE/DS West Zone PSPCL Bathinda has requested to release connection at Bhawal Bassi instead of Panjkosi. In this regard, a joint survey was carried out by PSPCL (TLSC and GCD) as availability of 220 kV supply from Bhawal Bassi is at a distance of 4-5 km which can reduce the expenditure.

The revised technical detail sent by field office is as below:-

B) **Feeding Line:-** As per revised proposal, load of applicant has been proposed to be released after erecting new 220 kV Switching Station at Bhawal Bassi with LILO of 220 kV Abohar-Malout line with ACSR 0.4 Sq" DC of 4 km (approx.). Further, load of applicant is

proposed to be released after erecting new 220 kV Bay at 220 kV Switching Station Bhawal Bassi and new 220 kV line with ACSR 0.4 Sq" length 0.5 km (approx.) from 220 kV Switching Station Bhawal Bassi to RTSS Bhawal Bassi. The space is available at 220 kV Switching Station Bhawal Bassi for erecting 3 No. 220 kV line Bays (2 No. for LILO and 1 No. for Railway). **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%.

Field office also mentioned in the proposal that as the load of the applicant is to be released at Bhawal Bassi instead of Khuian Sarwar hence, this connection comes under the jurisdiction of DS Sub Division No. 3 Abohar instead of Khuian Sarwar Sub Division.

**Backup Line :-** The new proposed 220 kV Switching Station at Bhawal Bassi shall be fed through LILO of 220 kV Abohar-Malout line with ACSR 0.4 Sq" DC of 4 km (approx.)

Expected load on 220 kV line from 220 kV S/Stn. Abohar to 220 kV S/Stn. Malout having conductor size 0.4 Sq. inch SC shall be 82.611 MVA against current carrying capacity of 215 MVA and is loaded by 38.420 %. Hence, can take up the load of applicant.

**Feeding/Mother Station:-** 220 kV Switching Station Bhawal Bassi shall be interconnected with 220 kV Abohar-Malout line in ring main mode. However, the detail of nearest 400 kV Feeding S/Stn. Shri Mukatsar Sahib to fed new proposed 220 kV Switching Station Bhawal Bassi is as below:-

Expected load on Mother Station 400 kV S/Stn. Shri Mukatsar Sahib shall be 613.824 MVA against installed capacity of 1130 MVA and is loaded by 54.32 %. Hence, can take up the load of applicant.

**It is submitted that:**

1. Railway will provide the requisite land for construction of switching station used for Railway purpose.
2. Railways acquired the land from state for running trains and it can't be transferred. It can be used for Railway Purpose only and can be leased only.
3. Railway shall bear the entire O&M/charges as per the CERC norms (Payable annually).
4. The O&M charges for 220 kV Switching Station Bhawal Bassi, 220 kV bays and LILO DC lines etc. shall be borne by the Railway till the use of 220 kV Switching Station Bhawal Bassi is for Railway.


The case was deliberated in the FCC meeting and CE/TS PSTCL apprised FCC that they have no issue in case Railway provides land on lease basis provided that no lease amount is demanded from PSTCL by Railway or if required some small token amount for lease of land can be settled between PSTCL and Railway.

**In view of above**

- i. FCC decided to revise the earlier accorded feasibility vide memo No. 1264/69 dated 05.08.2022 by allowing new load of 4500 kW/5000 kVA after erecting new 220 kV Switching Station at Bhawal Bassi with LILO of 220 kV Abohar-Malout line with ACSR 0.4 Sq" DC of 4 km (approx.) and after erecting new 220 kV Bay at 220 kV Switching Station Bhawal Bassi and new 220 kV line with ACSR 0.4 Sq" length 0.5 km (approx.) from 220 kV Switching Station Bhawal Bassi to RTSS Bhawal Bassi as per proposal sent by CE/DS West Zone, PSPCL Bathinda vide memo No. 16260/61 dated 13.09.2023.

- ii. LILO of 220 kV Malout-Abohar line at Bhawal Bassi along with construction of 220 kV switching S/Stn. shall be carried out exclusively for Railway and Railway will bear the entire cost of switching station, line bays, switch houses building and LILO lines etc. as informed by CE/TS, PSTCL Patiala.
- iii. Further, Railway can provide land on lease basis for construction of switching station to PSTCL provided that no lease amount is demanded from PSTCL by Railway or if required some small token amount for lease of land can be settled between PSTCL and Railway.
- iv. FCC directed to CE/DS West Zone Bathinda to inform the Railway regarding the cost involved in the entire arrangement.

All other terms and conditions shall remain same as per earlier feasibility clearance granted vide this office memo No. 1264/69 dated 05.08.2022.



ASE/Sales-4

For: EIC/Commercial  
PSPCL, Patiala

1829/32 dt. 17.10.2023

CC:-

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