



NATIONAL TRANSMISSION & DESPATCH COMPANY.

Chief Engineer (AM/GSO) North NTDC, Lahore

No. CE/AM/MTDC/P&S/T-340/ 8279-83

Dated 26/09 /2024


INVITATION FOR BID TENDER NOTICE NO. CE/AMN/P&S/T-340

NAME OF WORK: REPLACEMENT OF NORMAL DISC INSULATORS WITH RTV COATED DISC INSULATORS OF 220KV TRANSMISSION LINES UNDER AM/GSO CIRCLE GATTI FAISALABAD (LOT-I to IV).

1. National Transmission and Despatch Company (NTDC) "the Purchaser" is responsible for development and control of power transmission system in the country, invites sealed bids through "Single Stage Two Envelope Procedure" on Local Competitive Bidding (LCB) basis from eligible firms as defined under IB-3 of Instructions to Bidders of the Bidding Documents, registered with Income Tax and Provisional Sales Tax Departments and who are on Active Tax payers List of the Federal Board of Revenue and registered with PEC in appropriate category as per NTDC specifications (details, types and quantities mentioned in the bidding document).
2. Bidding Documents, containing detailed terms and conditions, etc. can be purchased on or before one day of opening at the following address during office hours (08:30 am to 04:30 pm). Price of the Bidding Documents is PKR 2,000 (Pak Rupees Two Thousand Only). The method of payment for purchase of Bidding Documents will be in the form of cash.

Chief Engineer (AM/GSO)
North NTDC, 34, Industrial Area, Gulberg-III, Lahore

3. All Bids must be accompanied by a Bid Security in an amount not less than 2% of the Total Bid Price in the form of CDR or Pay Order from a Bank in Pakistan.
4. The Bids prepared in accordance with the instructions in the Bidding Documents must reach at the above address on or before **17.10.2024** 14:30 hours PST. The Bids will be opened on the same day at 15:00 hours. This advertisement is also available on PPRA website at www.ppra.org.pk
5. The NTDC reserves the right to reject all bids and to annual bidding process at any stage prior to contract award as defined in Clause 33(1) of Public Procurement Rules 2004.
6. The bidder should not be blacklisted from NTDC, DISCO or any Government organization at the time of bidding.


(Engr. Anas Ahmad Goojar)
Chief Engineer (AM/GSO) North NTDC,
NTDC House Lahore.

C.C.

1. General Manager (AM/GSO) North NTDC, Wapda House, Lahore.
2. Manager (AM/GSO) North Circle NTDC, Gatti Faisalabad.
3. Director (Media & Public Relations) NTDC G-63, WAPDA House Lahore for publication in the leading newspaperers as per Government policy and upload on PPRA website. It is certified that funds for publication are available.
4. Director (I.T) NTDC, Wapda House, Lahore with the request to upload the above tender notice on NTDC website, please.
5. Dy. Manager (CA) GSO NTDC Lahore.

34 Industrial Area Gulberg-III, Lahore. Tel: 042-99268292, Fax: +92 42 99263023 E-mail: ce.amnl@ntdc.com.pk



NATIONAL TRANSMISSION AND DESPATCH CORPORATION
OF THE NORTH CIRCLE
500/220KV GATTI FAISALABAD

No. Manager/GSO/Gatti/ 9814-15

Dated 23/09/2024

→ Chief Engineer,
 (Asset Management) North,
 NTDC Lahore.

C.E (GSO) NTDC LAHORE
 Dairy No. 6143
 Date 24-09-24

SUBJECT: PROPOSAL FOR STRENGTHENING OF LIFE-LINE OF 220KV TRANSMISSION LINES TO AVOID BLACKOUT OF GRID STATIONS DURING FOGGY SEASON IN RESPECT OF MANAGER (AM) NORTH NTDC GATTI FAISALABAD

With reference to your good-self direction during meeting held at Gatti Circle Faisalabad on 05.09.2024, a life line link of 220kV Transmission Lines has been worked out to save the Grid Station of Gatti Circle from Blackout in upcoming foggy season. The single line diagram with Red highlighted lines between Grid Stations shows the proposed life line link of 220kV Transmission Lines (**Annex-A**).

The proposed link is required to be strengthened before the start of foggy season expected to start from 5th December each year. To strengthen the life line link between grid stations, the requirement of the material has been worked out (**Annex-B**). For that 37000 Nos. RTV coated Disc Insulators are required to be replaced against normal type Disc Insulators which are usually vulnerable to flash in dense foggy weather conditions. The details of the required RTV disc insulators are as under:

Sr: No.	Material	Quantity	Availability
1	RTV Coated Disc Insulators Fog Type (100KN) with Ball & Socket Arrangement	37000 Nos.	NTDC Ware House Jamshoro

It is requested that Chief Engineer (T/L Design) NTDC may please be approached for the allocation of above mentioned to strengthen the life line link before the start of foggy season.

Furthermore, for the replacement / installation of 37000 Nos. of RTV coated Insulators on 798 Nos. Towers, the following proposal have been formulated.

Manager (Tech)	
M (Tech)	
W (Tech)	
J (CA)	
I (Admin)	
I (P&S)	

1. Each sub-division attends 02 Nos. Towers in each shutdown. Resultantly, 400 Nos. shutdown would be required for the replacement of 37000 Nos. disc insulators out of 798 Nos. towers.
2. As normally shutdowns start from 01st October as load decreases, therefore 400 Nos. of shutdowns cannot be availed by 04 subdivision in one and half month. Engaging in contractor with each sub-division staff would enhance the work efficiency. If each sub-division attends 02 Nos. Towers and contractor attends 04 Nos. tower in each shutdown, then 06 Nos. towers would be attended in a single shutdown. Resultantly 133 Nos. shutdown would be required for replacement of 37000 Nos. disc insulators of out of 798 Nos. towers.

Therefore, considering the second proposal, it is recommended that contractor may please be engaged for the replacement / installation of RTV coated disc insulators in 04 lots (**Annex-C**) on 798 Nos. towers before the start of foggy season i.e. 05th December.

(Engr. Dr. Muhammad Tqbal)
 Manager
 500/220kV GSO Circle NTDC
 Gatti Faisalabad

DA/As above

C.C to:
 1. Deputy Manager T/Line (M) Division Nishatabad.
 - Master File.



U.D.NO. 2471 File

Dated 26-09-2024

U.D. (AM) North NTDC Lahore

SUBJECT: REQUEST FOR PRIOR PERMISSION FOR PUBLICATION OF TENDER NOTICE NO. CE/AMN/P&S /T-340 FOR REPLACEMENT OF NORMAL DISC INSULATORS WITH RTV COATED DISC INSULATORS OF 220KV TRANSMISSION LINES UNDER AM/GSO CIRCLE GATTI FAISALABAD (LOT-I TO IV).

1. During winter season when humidity in air is very high, dense fog and smog. Blanket cause flashover of insulators leading to the tripping of Transmission Lines. These trippings occur simultaneously on multiple Lines & almost all the feeding sources of 220kV Grid Stations in Faisalabad are cutoff resulting in outage of these grid Stations & ultimately causing supply interruption to end consumers of relevant DISCOs.
2. This phenomenon has also caused Country wide Blackout at number of times in preceding years. NEPRA, Ministry of Energy & Govt of Pakistan has taken serious view of such happenings.
3. In view of above backdrop & to resolve this tripping issue to the extent of Grid Stations feeding to Faisalabad area, in first phase, this office conducted number of meetings with field formations & accordingly a life Line link of 220kV Transmission Lines feeding to the Grids of Faisalabad area has been worked out. Installation of RTV Coated Disc Insulators on this life line link by replacing existing normal Disc Insulators can prevent tripping during upcoming fog/smog season caused by flashover of Disc Insulators (copy attached as F-A) Total quantity of insulators worked out is 37000 which will be installed on total 798 number Towers ranging from T.T.Singh area to Bandala grid area. These Transmission Lines as per attached (Flag-A) connects 08 Nos. Grid Station and 01 No. Power House together.
4. Manager (Asset Management) North Circle NTDC Gatti Faisalabad has apprised that the contractor may please be engaged for the replacement/installation of RTV coated disc insulators on 532 Nos. Towers to save the time line and due to non-availability of huge resources like trained labour, T&P & Vehicles to cope the scope of work within least time before coming of foggy season. The estimates in different lots have been prepared by Manager (AM) North NTDC Gatti Faisalabad on the basis of Engineer estimate vetted by Chief Engineer (T/L Design) NTDC Lahore vide letter No. 3089-92 dated 24-09-2024 (F/B). The case for administrative approval, technical sanction and approval of scrutiny committee will be initiated accordingly after vetting of these estimates from the office of the Chief Engineer T/L Design.
5. Keeping in view of above and to save the time, this office has prepared a tender notice (F/C) and requires a prior approval for its publication in daily newspapers and NTDC/PPRA web sites for execution of work i.e replacement of disc insulators in different lots as per estimates. The detail of lots is as under.

Lot #	Name of Transmission Lines	No. of Towers
I	1- 220kV T/L Samundri Road -Nishatabad Faisalabad CCT-2	124 Nos.
	2- 220kV T/L T.T.Singh-Samundri Road Faisalabad CCT-2	
II	1- 220kV T/L T.T.Singh -Faisalabad West CCT	164 Nos.
	2- 220kV T/L PTPL - T.T.Singh CCT-2	
III	1- 220kV T/L Gatti - Lalain CCT-2	186 Nos.
	2- 220kV T/L Lalian - Ludewala CCT-2	
IV	1- 220kV T/L Gatti - Jaranwala CCT-2	58 Nos.
	2- 220kV T/L Gatti - Bandala CCT-2	

The case file is submitted with the request to allow/prior permission to call the tender notice for its publication as per Para No 3 please.

(Engr. Anees Ahmad Goojar)
Chief Engineer (AM/GSO) North
NTDC, LHR.

General Manager (AM/GSO) North/NTDC, Lahore.

approved N. Paras # 05/06

8- CE (AM) North Lahore

MUHAMMAD JAHANGIR MALIK
General Manager
(AM/GSO-North) NTDC
Lahore.

GM (GSO) NTDC

Diary No. 4704

Dated 26-09-24

U.O. No. 8284

Date 26-09-24