

**INDEPENDENT POWER TRANSMISSION OPERATOR S.A.**

**TNPRD/ SUBSTATION SPECIFICATION & EQUIPMENT SECTION**

March 2017

###### TECHNICAL DESCRIPTION TD-28B

**SINGLE-POLE OUTDOOR TYPE SEALING ENDS SUITABLE**

**FOR XLPE, 400 KV, SINGLE CORE CABLES**

**ATTACHMENT ‘Α’**

All Bidders must provide the following data. Failure to fill or partial filling of this attachment shall constitute sufficient reason for rejection of the offer.

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| --- | --- |
| 1. Manufacturer of sealing end | : .................................. ..................................... |
| 2. Type of sealing end | : .................................. ..................................... |
| 3. Operating Temperature range | : .................................. |
| 4. Type of material of the insulating housing of the sealing end | : .................................. |
| 5. Shape and type of sealing end terminal | : .................................. |
| 6. Brief description of the earthing of the sealing end | : ..................................    …….………………..  ……………………... |
| 7. Support (pedestral) insulator data: |  |
| 1. Mechanical strength of the supporting insulators in   compression | : .................................. |
| 1. Cantilever load withstand | : .................................. |
| 1. Number of support insulators | : .................................. |
| d. Mechanical withstand force due to short circuit | : .................................. |
| e. Type of material of the support insulators | : .................................. |
| 8. Nominal voltage of the sealing end | : .................................. |
| 9. Maximum Operating Voltage | : .................................. |
| 10. Lightning impulse voltage (1,2/50μς) withstand of the sealing end | : .................................. |
| 11. Power frequency voltage withstand of the sealing end, 50 Hz, for (1) min under dry and wet conditions. | : .................................. |
| 12. Creepage distance of the porcelain or silicon rubber housing | : .................................. |
| 13. Short circuit current withstand for one (1) sec. | : .................................. |
| 14. Continuous current withstand | : .................................. |
| 15. Weight of the porcelain housing (if applicable) | : .................................. |
| 16. Weight of the silicon rubber housing (if applicable) | : .................................. |
| 17. Total weight of the sealing end | : .................................. |
| 18. Total length of the sealing end | : .................................. |
| 19. Shape and type of material of the sealing end’s terminals | : ..................................  .................................. |
| 20. Type of oil used for the filling of the sealing end | : ..................................  .................................. |
| 21. Electrical withstand strength of the porcelain housing for 5 minutes | : .................................. |
| 22.Is the silicon rubber sealing end΄s housing designed to be operated under internal pressure? | : .................................. |
| 23. If the answer is ΄΄Yes΄΄ to the previous question, indicate internal pressure | : .................................. |
| 24. Life duration (expiration date) of the sealing end΄s parts | : .................................. |
| 25. List of all basic sealing end’s parts | : ..................................  ..................................  ..................................  ..................................  ..................................  ..................................  ..................................  .................................  ................................... |