

**ATTACHMENT "A"**  
**400KV OUTDOOR, SOLID-CORE, CYLINDRICAL POST INSULATORS WITH**  
**EXTERNAL METAL FITTINGS**

All bidders must provide the following data. Failure to comply in full, shall constitute sufficient reason for rejection of the offer.

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|--|-----------------------|
| 1. Type  | : C/25 - 1530 - 10500 |
| 2. Manufacturer                                    | : Sinoma              |
| 3. Ambient temperature range during operation      | : +45°C ~ -25°C       |
| 4. Material of the outer housing of the insulators | : porcelain C130      |
| 5. Material on the inner part of the insulators    | :                     |
| 6. Color of the porcelain                          | : Grey                |
| 7. Designation of the insulators as per IEC-60273  | :                     |
| 8. Switching impulse withstand voltage wet         | : 1050 kV             |
| 9. Lightning impulse voltage withstand             | : 1550 kV             |
| 10. Height of the insulators                       | : 3350 mm             |
| 11. Creepage distance of the outer housing         | : 10500 mm            |
| 12. Failing load                                   | :                     |
| a. Bending   | : 125 kN              |
| b. torsion   | : 8 kN.m              |
| c. tension   | : 100 kN              |
| d. compression                                     | : 280 kN              |

13. Maximum nominal diameter of the insulating part :..... }25 mm
14. Bottom metal fitting pitch circle diameter :..... }25 mm
15. Top metal fitting pitch circle diameter :..... 127 mm
16. Type of material of all metal fittings :..... S. G. iron
17. Number of units of which the insulators consist :..... 3
18. Number of bolts and thread for the top metal fitting :..... 4 - M16
19. Number of bolts and holes for the bottom metal fitting :..... 8 - φ18
20. Nominal maximum diameter of top mounting face :..... φ159
21. Nominal maximum diameter of bottom mounting face :..... φ365
22. Are all connecting parts such as bolts, nuts and washers part of the supply? :..... Yes
23. Are all connecting parts such as bolts, nuts and washers of hot-dip galvanized steel? :..... Yes
24. Weight of each insulator :..... 382 kg