Notes for FOAC Laying (66kV Projects)

Laying of two equal lengths of 24F/48F FOAC (Fiber Optic Approach Cable) - with installation hardware like HDPE pipe, supports required if any on Tower/ SS structure, Fiber Optic Distribution Panel(FODP), FOAC joint box (as per requirement) etc. to lay alongside of U/G cable:

(1) Scope of Work:
   a) **Complete UG line** : Scope of laying FOAC cable work is between both S/S end Control room, including laying of FOAC upto to Control room in GETCO cable trench and termination of FOAC cable in FODP.
   b) **Hybrid line (O/H + U/G)**: Scope of laying FOAC shall be upto to termination tower including splicing with OPGW cable and providing Joint box at termination tower..

(2) Two to Three rings of extra loop length (approx. 10 Mtrs) shall be kept buried underground at foot of both end termination tower/ SS Structure after laying FOAC cable with 66kV cable as per MOC.

(3) FOAC cable length above the ground level shall be equal to the height of each termination tower/ SS Structure at both end. Each run of FOAC cable coming out after laying in underground section should be brought up to third cross arm of termination tower after passing it through HDPE pipes and properly tying up with tower/ SS Structure. Also, each run of FOAC cable shall be terminated in joint box on each termination tower/SS Structure.

(4) Balance length of each FOAC cable above from ground level shall be managed in rings properly with fixing clamp arrangement to hold up it on end termination tower.

(5) As per standard format "End to End test.pdf" attached herewith, Pre-installation & Post Installation test shall be done before & after laying FOAC cable respectively and each length shall be tested for end to end test using power meter and OTDR. Original copy of Test report duly sealed and signed with date, name & designation of testing person, executing contractor and witnessing officer one each from telecom as well as TR/Const. nominated from respective EE(Telecom) and EE(TR)/EE(const.) respectively, shall be submitted to respective EE(telecom) & EE(Const.) unit, invariably without fail.

(6) Installation of FOAC Joint box shall be as per FOAC Joint Box Drawing & Laying method attached herewith.