



**TENUGHAT VIDYUT NIGAM LIMITED**  
**2x210 MW Tenughat Thermal Power Station**  
**Jharkhand**  
**Dry Fly Ash Collection & Disposal System**



**06.00 TERMINATION POINTS**

The termination points for the various equipment / systems are as follows. The piping will be terminated with valves and the Bidder will include the same.

**06.01 Fly ash:**Entire system from existing ash hopper arrangement including the branch isolation valves of each existing stream upto discharge chutes of main silos.

The proposed system will be installed without affecting the performance of existing ash handling system. Taking connections from the existing system shall be in Bidder's scope.

**06.02 Instrument Air :**Entire system shall be in Bidder's scope.

**06.03 Ash discharge System from main silo:**Upto outlet discharge chutes of RCC main silos.

**06.04 Conveying air & fluidizing air:**Entire system is in the scope of Bidder.

**06.05 Drinking water:**Connection to be taken from the existing system. Further distribution upto user points is in Bidder's scope.

**06.06 Ash Conditioner Water:**Connection to be taken from the existing Ash Water system. After tap off point entire system upto user points is in Bidder's scope. Booster pumps ( iW+1SB), valves, pipes, fittings, etc as required are to be provided by the bidder.

**06.07 Cooling Water :** Industrial quality make-up water will be made available to the successful Bidder at one point at a pressure of approx 1.5 kg/ cm<sup>2</sup> (g) only near ESPs. The top of the pipeline (carbon steel) shall be approximately 1.2 m below the area ground level.

Bidder shall extend the same from battery limit with an isolation valves and flowmeter in a RCC valve-pit to their proposed system. Bidder shall indicate the make-up water quantity requirement, pipe size, end connection, MOC of pipeline, etc. at the battery limit



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- 06.08 **Sewerage system:** Connection upto the plant sewerage system.
- 06.09 **Road:** Branch roads from the existing plant road network for the buildings / facilities covered under this specification shall be provided by the Bidder. Connecting the branch roads to the existing roads is also included in the scope of Bidder.
- 06.10 **Electricals and Controls & Instrumentation:** Please refer Vol-IIB, Section – A&B