

ADDENDUM NO. 03

Amendments to RFP/EPC Bidding Document for Engineering, Procurement and Construction (EPC) of Attabad Lake Hydropower Project (54 MW) Package-III: Electro-Mechanical Works

This Addendum No. 03 to RFP/EPC Bidding Document containing the following amendments to the RFP/EPC Bidding Document for Engineering, Procurement and Construction (EPC) of Attabad Lake Hydropower Project (54 MW) Package-III: Electro-Mechanical Works is issued pursuant to ITP 8.1 of Volume-I of RFP/EPC Bidding Document.

Volume II, Part-II, Technical Provisions, Section 3, Electrical Plant Equipment, Sub-Clause 3.5, Medium Voltage Switchgear, Sub-Clause 3.5.1 "Scope"

Original (Data)	Amendment (Data)
The 11 kV Switchgear shall be SF6 Gas type for generating units. All other except generating units shall be vacuum type as insulating and interrupting medium and complying with IEC 62271-100 Standard and IEC 62271-200 Standard. The Generator Circuit Breakers shall be suitable for synchronizing duties and provided with interlocks to avoid incorrect operation of the Disconnectors or the Earth Switches	The 11 kV Switchgear for all the generating units shall be SF6 gas-insulated Generator Circuit Breakers (GCBs) or Vacuum Circuit Breakers (VCBs). The 11 kV switchgear for all other applications shall be vacuum type using vacuum as the insulating and interrupting medium and shall comply with IEC 62271-100 Standard and IEC 62271-200 Standard. The Generator Circuit Breakers (GCBs) shall be suitable for generator switching and synchronizing duties and shall be provided with the necessary Mechanical and Electrical interlocks to prevent incorrect operation of the associated Disconnectors and Earthing Switches.

Volume II, Part-II, Technical Provisions, Section 3, Electrical Plant Equipment, Sub-Clause 3.5.14.11, Spare Parts and Tools

The list of spare parts item under maintenance equipment shall be revised in accordance with the attached Annexure-A.

Other terms and conditions of the RFP/EPC Bidding Document shall remain unchanged.

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Table 3-9 Spare Parts and Tools

Annex-A

Description	Unit	QTY
Mandatory spare parts (for each type used)		
Main contacts for three poles complete with springs, bolts, nuts etc.	Sets	4
Closing and opening trip coils of each type used	Sets	4
Drive motor of each type used	Sets	4
Breaker ON/OFF control switches	Sets	4
Miniature circuit breakers (MCBs) used in control/interlock circuits of each type/rating	Sets	5
Single-phase current transformer of each type used	Sets	3
Single-phase voltage transformer of each type used	Sets	3
Single-phase lightning arrester of each type used	Sets	3
Trip units (LSIG) of each type used	Sets	5
Indicating and measuring instruments each type i.e., voltmeters, ammeters and indication lights etc.	Sets	2
Anti-condensation heaters of each type and rating.	Sets	1
Maintenance Equipment		
Intelligent Instrument Transformer check device	Sets	1
Testing equipment for circuit breakers characteristics	Sets	1
Ratio automatic measuring instrument	Sets	1
Phase shifter	Sets	1
SF6 Gas leakage test set, Luma sense Model 3434i complete with all standards accessoires. This item shall be supplied only if the Generator Circuit Breaker (GCB) offered under the Contract is of the SF6 Gas-Insulated type.	Sets	1
Circuit Breaker test set omicron model CIBANO 500 advanced package VE000901 (complete with all connection cables, registered software's, modules etc.)	Sets	1
Tools		
Circuit breaker handling truck/trolley of each type used	Sets	1
Feeder grounding trucks/trolleys with VTs of each type used	Sets	2
Remote controlled racking assembly as per requirement cord and control station of each type used	Sets	1
Temporary earthing sticks with accessories of each type		

Description	Unit	QTY
used	Sets	2
Special tools for dismantling and maintenance	Lot	1