

We refer to your Tender Notification for Supply of Three Phase Autoreclosure and Sectionalizer in BRPL, New Delhi vide notification no: **CMC/BR/17-18/FK/RJ/629, Date: 11.01.2018.**

Please find below technical clarification and addition in Tender-

A. Autoreclosure:

Clause No.	Description	Observation / Remarks	Suggestion	BRPL Reply
Concerns:				
19	The control panel shall have inbuilt firmware feature such a way that by re-programming the same panel can be used for either Autoreclosure or Sectionalizer	Same Control Panel is not possible because Autoreclosure&Sectionalizer works in different algorithm. Autoreclosure detects the fault by sensors and operate through relay mechanism. However, Sectionalizer follows the counter mechanism. When Autoreclosure operates in network the Sectionalizer counts the operation numbers and acts accordingly.	Keep separate control panel for Autoreclosure&Sectionalizer.	"No Deviation"
6	Rated Symmetrical Interrupting current	As mentioned in Clause no 38 / S, Rated 1s short time current to be mentioned in name plate. However, in clause no 6, the requirement is 12.5 kA for 3 s.	Rated symmetrical current 12.5 kA for 1 s is sufficient for 11 kV operations and it is widely accepted. Kindly amend it to 12.5 kA for 1 s in Clause 6.	12.5kA for 3 sec

B. Sectionalizer:

Clause No.	Description	Observation / Remarks	Suggestion
Concerns:			
14	Insulation Medium – HCEP / Equivalent	Combination of either SF6 operated & SF6 insulated or Vacuum operated & HCEP insulated available in the market	Kindly amend Insulation medium – HCEP / SF6
31	Operating Sequence 0-0. 5s-CO-10s-CO-10s-CO (Duty cycle should be adjustable)	This duty cycle is not applicable for Sectionalizer. According to mentioned duty cycle, the Circuit Breaker will operate in Reclosure duty. However, Sectionalizer will only open during fault to isolate the faulty section. It can't reclose the section automatically.	Operating sequence not required for sectionlizer.
38 / IV	Communication Protocol - For remote communication the Autoreclosure and Sectionalizer unit shall be provided with the Router duly approved by BRPL	Please suggest the router type to enable us the costing for this project.	Make-NOMUS, 4G

C. Addition in the Technical Specification:

Autoreclosure / Sectionalizer	
Suggested Clause	Remarks / Clarification
Battery expected Backup time without communication module operation shall be 48 hours	The Auxiliary power may get interrupted due failure of Line PT and it may take time to repair the PT. So, at least 48 hours backup without communication shall be required.

D. BOQ

Material Description	UOM	Qty.
Autoreclosure, 3-Phase, 11kV	EA	14
Sectionalizer, 3-Phase, 11kV	EA	36
Testing and Commissioning of Autoreclosure and Sectionalizer	EA	50

E. Feeder Diagram only for Reference

