

**Response of NTDC to queries of the bidder in respect of Tender No.
ADB-71R-B-2016**

Sr. No.	Query/Observation	NTDC's Reply
1	Requested to replace P-134:2007 with P-134:2011.	Please referred to Amendment No.1 issued by this office.
2	The bidder has requested for specification Post Insulators.	For 550kV & 220kV Post insulator please follow IEC-60273.
3	550/3.3x37MVAR (at 500KV) spare Shunt Reactor. 2 Nos. ---- Could you please advise that the final destination of 2 Nos. spare Shunt Reactor? According to our understanding, each substation will be equipped with one unit spare shunt reactor, whether our understating is correct, please confirm.	Agreed, for one spare unit of shunt reactor destination is 500kV Substation Rawat and for second spare unit the destination is 500kV Substation Muzaffargarh.
4	Neutral bus bar complete arrangement including but not limited to aluminum tubular conductor, post insulators with structures, surge arrester alongwith surge counter, all type of connectors etc. ----- In order to provide you a precise solution, could you please provide us neutral bus bar complete arrangement drawing of reactor banks with detail dimension?	Neutral Bus bar will consist of Aluminum tubular conductor mounted on post insulators in front of shunt reactor bank. The post insulators with steel supporting structure will be installed on earth.
5	3 sets of Nitrogen Injection Explosion Prevention and Fire Protection system (hereinafter called NIEP) are required in the price schedule, according to our understanding 9 Nos. NIEP shall be equipped with the shunt reactors in two substations, and we don't have to provide NIEP for 2 Nos. spare shunt reactor, whether our understanding is correct, please confirm.	Each spare unit of shunt reactor will be equipped with Nitrogen Injection Explosion Prevention and Fire Protection system. Please referred to Amendment issue in this respect.
6	Sergi France or equivalent brand is required, so would you accept Chinese brand such as Changzhou Lianxu or Shanxi Dekai as their similar performance but shorter delivery period.	Please referred to Section-VI (Schedule of Supply), Page# 6-5, Clause 1.3.
7	It is required that the contractor shall also design and supply, install the NIEP in the shunt reactor specification, however, only supervision services is required in the price schedule, whether the contractor's scope of work includes installation of NIEP or not, please confirm.	Installation of Nitrogen injection explosion prevention and fire protection system is not part of scope of this tender.
8	The delivery period of mentioned three bushing company (Trench Hefley (France / Switzerland) or Passoni & Villa Italy or F&G Germany) is very long and considering the urgent delivery period of this project, we recommend Chinese bushing company such as Xian XD High Voltage Bushing Co., Ltd or Nanjing Electric High Voltage Bushing	Please referred to Section-VI (Schedule of Supply), Page# 6-5, Clause 1.3.

	or Trench China as their similar performance but shorter delivery period. Would you accept our proposal. Please confirm.	
9	Synchronizer for Shunt Reactor switching.	Please refer to Amendment No. 01 issue by this office.