



CHHATTISGARH STATE POWER TRANS. CO. LTD.
(A Govt. of Chhattisgarh undertaking) /(A successor company of CSEB)
CIN- U40108CT2003SGCO15820 / GSTIN-22AADCC5773E1ZX

O/o Chief Engineer (Store & Purchase)

Address :- Third Floor, SLDC Building, Dangania, Raipur(C.G.)-492013

Website- www.cspc.co.in,

Phone-0771-2574240/36/2574106

Fax-0771-2574246

No.02-16/SE-I-S&P/TR-19/S&P/39/

Raipur dtd

No 3 4 3 -

16 JUN 2020

To,

M/s ABB Power Products and Systems India Ltd.

Ph. – 913366213000-11

Omega building, 13th Floor, North Wing

Fax - 913366213187

Bengal Intelligent Park, Block-EP& GP)

Sector V, Salt Lake City ,

Kolkata-700091, West Bengal

Sub:- Tender No.TR-19/S&P/39 for supply of 400KV Centre Break Type Isolator –
Clarification issued –Reg.

Ref: Your letter No. CSPTCL/400KV DC Tender/20/02 dated 03.06.2020.

Dear Sirs,

In reference of the referred letter, the point wise clarifications are as mentioned below:-

Technical Specifications:

Sl. No.	Clause No.	Page No.	Clause description	Firm's comments/ query	CSPTCL's clarification
1	5.2		Base: Each single pole of the isolator shall be provided with a complete galvanised steel base provided with holes and designed for mounting on a supporting structure.	Mounting/base details shall be as per GA submitted & structure is not in APPSIL Scope. Further, we have not considered any retrofitting materials, adapter plate.	Your request in this regard is acceptable.
2	9	30	Terminal Connector- Bimetallic requirement & Type-Rigid/Flexible.	Bimetallic requirement is not applicable as the terminal pad is Al. Terminal connector is also Al. 4inch IPS tube. Request to kindly confirm the spacing & the type –Rigid or flexible connector. Further , only routine test certificates of terminal connector shall be provided.	Your request in this regard is acceptable.
3	10	30	Test:- The isolators along with its earthing switch and operating mechanism should have been type tested as per IEC/IS and shall be subjected to routine tests in accordance with IEC-129 during final inspection.	Isolators are type tested on a similar rating isolator without Earth switch with mandatory tests as per IEC-62271-102 with normal creepage & dimensions.	Your request in this regard is acceptable

Sl. No.	Clause No.	Page No.	Clause description	Firm's comments/ query	CSPTCL's clarification
4	10.1	30	Power frequency voltage withstand tests shall be performed on at least one completely assembled isolator pole of each type. Alternatively, power frequency test may be performed on two nos. of Post Insulators (complete) for each voltage rating and type of Isolator.	Power frequency withstand tests is a type test of isolator & not a routine test. We shall submit the power frequency withstand type test reports of isolator with insulator in the event of an order. Separate test of power frequency test on Insulator is not conducted, as it is a part of Isolator.	Your request in this regard is acceptable.
5	10.1	30	Minimum 50 Nos. mechanical operations will be carried out on 1 (one) isolator out of every ten Isolators assembled completely with all accessories as acceptance test for the lot	Since the disconnectors are shipped from factory in a disassembled/module form, IEC standards supports unit testing in this case. During FAT, drive mechanism shall be tested for 50 mechanical & electrical operations to check the functionally as per approved datasheet & schematic. Apart from this, contact resistance will be measured on current path & all mounting dimensions will be verified as per approved drawings. Hence, request to kindly accept unit testing instead of completely testing on completely assembled position.	Your request in this regard is acceptable.
6	10.2	30	Seismic withstand test on isolator mounted on Support structure. The test shall be performed in the following position: Isolator open E/S Closed Isolator open E/S open Isolator Closed E/S open	We already have the type test report of Seismic withstand test conducted at IT Madras (Non-NABL Accreditation lab) with more than 15 years validity from the date of NIT & we can provide suitable seismic calculations during detail engineering to support the test. Further, we would like to highlight that Seismic test is an additional test & not a mandatory test as per IEC 62271-102. Hence we request to kindly accept our clarification.	Your request in this regard is acceptable.
7	11.1-6)	31	Double Break	We are offering Center break disconnectors as per the NIT.	It Shall be amended as Center break isolator.
8	11.1-13 & 20)	31	Minimum creepage distance (mm): 10500 Creepage length of post	There is a discrepancy in Sl. No. 13 & 20. Please confirm the creep age of insulator (31mm/KV or 25mm/KV)	As mentioned in clause- 11.1- 20, Creepage length of post insulator: 31mm/kv

Sl. No.	Clause No.	Page No.	Clause description	Firm's comments/ query	CSPTCL's clarification
15.	Sec-1 ,5	8	(A) <u>Manufacturing & Technical Requirement :-</u> The Bidder should be Indian manufacturer having manufacturing unit in India. The Bidder should have minimum experience of at least three (3) years for supply of 400 KV or above voltage class Isolator to following Indian entities as on date of NIT. Power utilities owned and controlled by Central or State Government. Or PSUs, Or Govt. Organization	We request to kindly add Private utilities/industries in the same	Your request in this regard is not acceptable.
16.	5.3.3	16	Delivery Period:- The delivery of ordered quantity should be completed within four months from date of order in all respect.	We would like to commence the delivery period in Four months from the date of drawing approval & completing within two months thereafter., i.e. a total period of six months from the date of drawing approval. Request to kindly accept the same.	The delivery of ordered quantity should be completed within Six (6) months from date of order in all respect.
17.	5.3.5	17	Guarantee Period:- In case of replacement of material due to failure within guarantee period, the guarantee shall automatically get extended	We would like to clarify that we are confirming the max. Warranty including repaired/ replaced parts shall be 30 months from the date of supply of 24 months from the date of commissioning. Whichever is earlier. i.e., in case of replacement due to failure, warranty shall not be extended further. Request to kindly accept.	Your request in this regard is not acceptable.
18.	10.	21-22	Inspection:- No material shall be dispatched from its point of manufacture unless the material has been satisfactorily inspected and tested by the CSPTCL's representative. Stage Inspection:	We shall perform routine testing for 100 % of the lot, however for witnessing/FAT, we shall offer 10% from the full lot. Request to kindly accept the same. We request to kindly note the fact that stage inspection is generally not applicable for the offered product. Hence we request to kindly consider & waive off the same.	Your request in this regard is acceptable but stage inspection is not applicable.

Sl. No.	Clause No.	Page No.	Clause description	Firm's comments/ query	CSPTCL's clarification
			insulator:31mm/kv		shall be Changed in 25mm/kv
9.	11.1-14)	31	Rated mech. Term load i) Straight load(Kg.) As per IEC -129 (1984) ii) Across load(Kg.) As per IEC -129 (1984)	Offered Isolators follows IEC 62271-102 & all the mechanical terminal load shall conform as per IEC 62271-102	Accepted.
10.	11.1 -16	31	Minimum Clearances a) ph to Earth (mm) :3500 mm b) ph to ph (mm) :4200 mm	The minimum clearances for a) phase to Earth : 3250 mm considering 25 mm/KV & height: 3650 mm, & in case of 31 mm/KV, it will be 4000 mm	No changes
11.	11.1-26)	32	Operating time of aux. contacts :12 msec OR less	We understand that it is the operating time of the isolators & it shall be 12 sec or less instead of 12 msec.	As mentioned in clause- 11.1- 26, Operating time of aux.contacts shall be changed in 12 sec.
12	11.1-30	32	Number of terminal in control cabinet: (Interpole cabling shall be supplied by contractor). All contracts & control circuits are to be wired up to control cabinet plus 24 spare terminals evenly distributed. All terminals should be of stud type only.	We can offer max.10% spare terminals which are suitable for offered isolators. We would like to clarify that we understand for interpole cabling, various details like runs of cables, cable trench, routing will be necessary & can not be the scope isolator manufacturer/ supplier. Hence we request to kindly exclude interpole cabling, cable trays, etc. From supplier's scope.	Your request in this regard is acceptable.
13.	12.	32	Drawings Literature: iv) Drawing showing the details of fixed and moving contacts and the arrangement of pressure relief.	Pressure relief is not applicable for isolators.	As mentioned in clause- 12- (iv) drawing showing the arrangement of pressure relief shall be omitted.
Commercial Criteria:-					
14.	Annexure -I Prices & taxes	44-47	Quoted prices should be variable as per IEEMA formula indicated in Annexure-II with base indices as issued by IEEMA.	We have considered the price Variation acceptable as per IEEMA Circular No. 56/PVC/CLAR/02, dtd 16.06.2017 & 59/DIV/INSU/05, Dtd. 23.06.2017. Request to kindly accept that same.	No changes.

Sl. No.	Clause No.	Page No.	Clause description	Firm's comments/ query	CSPTCL's clarification
19.				<p>Please accept following clause</p> <p>Assignment Clause: "Supplier may transfer or assign, directly or indirectly, any or all of its rights or obligations under this agreement without the prior written consent of the other party to another legal entity of ABB Group or to the "ABB-Hitachi" joint venture created by both Hitachi and ABB Group or any subsidiary of this joint venture. This agreement, and the obligations hereunder, shall be binding upon the parties hereto, their successors and permitted assigns"</p> <p>Covid-19 Clause: Notwithstanding anything to the contrary, any delays or non-performance, any inconveniences attributable to the corona virus (2019-ncov) outbreak, entitles APPSIL to a time extension or any other required adjustments of the contract, including cost compensation, or both.</p>	Noted.

Thanking You,

(Er. S.D.Telang)
C.E (Store & Purchase)
CSPTCL, Raipur

dc
Rp
16/06/20

16/6/20

16/6/20