



BHARAT HEAVY ELECTRICALS LIMITED
PROJECT ENGINEERING MANAGEMENT, NOIDA

Date-8-Sep-20

CORRIGENDUM- 02

PROJECT	:	1x 660 MW BHUSAWAL TPS
PACKAGE	:	OIL FILLED SERVICE TRANSFORMER
ENQUIRY NO	:	PE/PG/BHU/E-6505/2020, Dt:- 25.08.2020
SUBJECT	:	BHEL clarification on Bidder's Pre-Bid query

Type of Corrigendum			
Technical Corrigendum -	☒	Commercial Corrigendum -	☐

In reference to the above mentioned tender enquiry for OIL FILLED SERVICE TRANSFORMER-

Please note the following-.

Please find attached the BHEL reply on Bidder's pre bid query for better understanding of project specific requirement.

Yours faithfully,

For and on behalf of BHEL-PEM


Rahul Bhatnagar
Project Engineer (PEM) / BHEL Bhilai
Power Sector Division Engineering Management
Bhilai, M.P. 491 001. A. E. S. 10000
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Rahul Bhatnagar

Dy MGR/PG-3

**PRE-BID QUERIES AGAINST YOUR TENDER ENQUIRY No. PE/PG/BHU/E-6505/2020 dtd. 25/08/2020 A/c FOR
SUPPLY OF OIL FILLED SERVICE TRANSFORMER for 1 x 660 MW BHUSAWAL TPS**

Sr. No.	Clause No. & Specification Reference	Bidder's Query/Clarification	BHEL Pre bid- Reply dtd. 07/09/2020
1)	Clause no. 5.2, 9.0 & 10.0 (Type Tests), Annexure-III (Project Specific Requirement) of Section-I (Specific Technical Requirement), Technical Specification document no. PE-TS-415-302-E001, Rev-00.	As per this clause, bidder has to carry out all type & special tests including short circuit test on 1 No. 10 MVA, 11/3.45 KV Transformer for which bidder has to quote charges in the price bid. Therefore, we confirm to carry out all the type & special tests including short circuit test on 1 No. 10 MVA, 11/3.45 KV Transformer on chargeable basis as per tender requirement. However, as per this clause for balance ratings bidder has to submit type test certificates including short circuit test conducted on identical/similar type and design of transformer within last 5 years. In case bidder does not have type test reports then bidder has to carry out all these tests including short circuit test on one transformer of each rating without any cost implication to BHEL/end client. In this connection, we wish to inform you that we do not have short circuit test reports for identical/similar rating of transformers available with us. We also feel that no other bidder will also have short circuit test reports for similar ratings available with them. Further, the quantity of majority of ratings of transformers is only 2 Nos. and no load voltage ratio being non-standard i.e. 11/3.45 KV, we regret for our inability to conduct short circuit	1. Bidder's understanding is correct in line with specification requirement that type/special test including short circuit test shall be conducted on 1 no. 10 MVA, 11/3.45 KV Transformer on chargeable basis. 2. For Balance ratings (7.5, 6.3, 2.0, 1.0 and 0.630MVA), if bidders are not having type/special test certificates conducted on identical/similar type and design of transformer within last 5 years, then bidder has to conduct type and special test (excluding short circuit test) on one (1) no. of each balance ratings mentioned above without any cost and delivery implication to BHEL/end client. For short circuit test report of balance rating as mentioned above, Bidder has to submit short circuit calculation as per IS to prove their design. Hope queries has been answered.

		test on each rating even on chargeable basis. However, we can submit short circuit calculation as per IS for these ratings of transformers, if required. As regards, balance type & special tests as per specifications, we confirm to carry out the same on one unit at our own works. Kindly therefore let us have your acceptance for same to enable us to participate in the tender.	
2)	Clause no. 5.2 (Type Tests), Annexure-III (Project Specific Requirement) of Section-I (Specific Technical Requirement), Technical Specification document no. PE-TS-415-302-E001, Rev-00.	No special tools & tackles are required for the required transformers and therefore same shall not be in our scope of supply. However, if any specific tools & tackles is required, please let us have details to enable us to check & include the same in our offer.	Tools such as Spanner of different sizes-1No. each, Screw Driver of different sizes-1 No. each, Pipe wrench of different sizes- 1 No. each etc. required for defined ratings of transformer as per bidder's specific design must be included as special tools and tackles for O/M of transformers.
3)	Data Sheet – A for 11/3.45 KV & 6.6/0.433 KV Oil Filled Service Transformer	Please note no value of tolerance limit is given for the impedance voltage values specified in the data sheet for all the ratings of transformers. We shall therefore consider the tolerance of $\pm 10\%$ as per IS on the percentage voltage values given.	Impedance voltage tolerances as per IS on the % impedance voltage values are acceptable.