

Tender No : TPCODL/P&S/1000000094/2020-21				
Package Name : Rate contract for 12.5/16MVA Power Transformer				
Prebid Query				
Sr. No.	Detailed Reference to TPCODL Tender document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	TPCODL RESPONSE
1	2	3	4	5
1	7.1. Special Conditions of Contract	Delivery period shall be 90 days from date of receipt of release order / CAT-A issuance, whichever is later	Delivery can be discussed mutually at a time of placement of RO and quantity in placed RO	This should be as per Tender clause , however deviation may be mentioned in Annexure III of tender document.
2	1.7 Qualification Criteria	Bidder must be a BEE Certified OEM of Power Transformer of same or Higher Ratings with manufacturing facility / assembly in India. The bidder should have oil filling machine under vacuum. TPCODL reserves the right to inspect the said manufacturing facility as a proof of compliance to this parameter. The bidder has to furnish the Self - undertaking in this regard.	Please note BEE Certificate is not applicable for Power Transformers.	Accepted
3	2.1 Price Basis:	Price will be fixed and firm during the contractual period.	As raw material prices are increasing day by day as per the current trend, there is steep increase in copper prices and other materials also. Hence we request you to kindly offer IEEMA price variation without ceiling on the price decided in RA	Price will be fixed and firm during the contractual period.
4	7.1. Special Conditions of Contract	PBG applicable shall be 5% of Rate Contract Value or 10% of Release Order value. PBG against Release Order has to be submitted against each Release Order. In case of PBG against RC, validity of of BG shall be till expiry date of RC plus warranty period. In case of RO, each PBG shall be valid for the warranty period of material. In both cases claim period will be one month.	We request you to accept CPBG OF 3% as per circular issued by Government of India- Ministry of Finance dated 12th Nov 2020.	PBG clause will remain same as per tender.

5	10. SPARE PARTS & page 75 of Technical specification: Spares accessories and tools	Mandatory Spare Parts The suppliers shall provide the following mandatory spare s for each of Transformer supplied 1. H.V. & L.V. Bushing & Studs –Each 2 Nos 2. Bimetallic connector for H.V & L.V. Bushings – Each 2 sets.....	Mandatory spares to be considered as per calue no. 10 or as per page no 75 of technical specifications. Kindly confirm the same	Spares not part of Tender.Bidder has to only supply the power Transformer
6		The bidder shall also provide the following mandatory spares along with the transformer		
7	11. COMMISSIONING	The utility will give a 10 days' notice to the supplier of transformer before commissioning. The manufacturer will depute his representative to supervise the commissioning. In case, the manufacturer fails to depute his representative, the utility will go ahead with the commissioning and under these circumstances, it would be deemed that commissioning is done as per recommendations of manufacturer.	As per clause no. 1 of technical specification: scope involves only supply and delivery of transformer. if Supevision of commissioning is required then it will be at extra cost.	This should be as per Tender clause . Please mention extra cost for Supervision of Commissioning
8	2. SPECIFIC TECHNICAL REQUIREMENTS	Type of mounting On Wheels, Mounted on rails.	supply of rails willnot be our scope	Accepted.Transformers shall be supplied with wheels
9	Page No. 25 of technical specifications: 2 SPECIFIC TECHNICAL REQUIREMENTS -34	No-load losses (Fixed loss) KW -9.7 KW Load losses at 75°C KW - 70 kW	Please clear The given loss is for 12.5 MVA or 16 MVA	Given loss is for 16 MVA
10	Page No. 25 of technical specifications: 2 SPECIFIC TECHNICAL REQUIREMENTS -34 : 2.2	No-load losses (Fixed loss) KW -9.7 KW Load losses at 75°C KW - 70 kW also clause no 2.CAPITALIZATION OF LOSSES AND LIQUIDATED DAMAGES as per Annexure B	Losses to be consider as per given table or as per clause No. 2.2 capitalization of losses. Kindly confirm	No-load losses (Fixed loss) KW - 9.7 KW Load losses at 75°C KW - 70 kW will be considered at principal Tap at 16 MVA Base. Loss Capitalisation will not be there.However, Bidder has to adhere to the losses as mentioned in the specs.
11	2.5 MISCELLANEOUS	ii) Foundation bolts for wheel locking devices of Transformer shall be supplied by the Contractor	wheel locking clamps will be provided	This should be as per Tender clause

12	8.2.1.2 Transformer type tests	Following type tests shall be carried out on one transformer of each rating, at the works of the bidder, in presence of Purchaser's representative. 1. Temperature rise test including DGA (DGA shall be done before & after the heat run test). 2. Impulse Test (Including chopped wave on all the three limbs of HV & LV).	We shall submit the Type test reports of higher rating. Hence we request you to kindly accept the same. If not then Impulse Test will be conducted at NABL accredited Lab. Kindly confirm the same	Type Test Certificate must be submitted for the quoted transformer only
13	8.4 INSPECTION AND TESTING AT SITE	INSPECTION AND TESTING AT SITE	Inspection and testing will not be in our scope	Inspection and Testing will be carried out at factory as per TPCODL approved Quality Assurance Plan. The cost for travelling and lodging will be borne by TPCODL for their employee.
14		NITROGEN INJECTION DRAIN AND STIR SYSTEM	We presume that supply of NIFS is not in our scope	Bidder has to supply Factory Fitted NIFPS system along with the transformer. No retrofitting work to be done at site.
15	7.10 ACCESSORIES	Bushing rated for 400A and above shall have non-ferrous flanges and hardware.	1]HV Bushing rated for 630 A, 36 KV with non-ferrous flanges and hardware. 2]LV Bushing rated for 12 KV 1000 A bushing with non-ferrous flanges and hardware. For 16 MVA rating.	Accepted
16	8.2.1(A) Special Test	The short circuit test shall be a mandatory test for each design shall be supplied by the manufacturer and no exception shall be allowed.	We have conducted Short circuit test successfully on on 20 MVA ,33/11 KV transformer and we shall submit the same reports. After receipt of Purchase Order we shall submit necessary calculations to prove the short circuit withstand ability of the transformers offered. Hence we do not envisage to conduct short circuit test on the transformers offered in this tender . Moreover as the rating of the transformer (12.5/16 MVA) is non standard, we request you not to insist on conducting short circuit test on this rating.	This should be as per Tender clause
17	Page No. 79 of 98 : List of Calculations to be submitted:	All the calculations shall be step by step showing the use of formulas and other practical considerations. 11. Short Circuit withstand.		This should be as per Tender clause
18	8.2.1.2 Transformer type tests	Note: The bidder shall submit the test report from CPRI or ERDA for g, i and k of the above mentioned.		This should be as per Tender clause
19	12. GUARANTEE	The manufacturers of the transformer shall provide a guarantee of 60 months from the date of receipt of transformer at the stores of the Utility.	Both the clause are contradictory. Kindly confirm exact warranty period	The manufacturer should provide Guarantee 48 months from the date of commissioning and 60 months from the date of supply. Whichever is earlier

20	Clause No. 18 Warranty of Technical Specification	2 years from the date of purchase. In case any defects are found, the vendor shall replace the product free of cost.		
21	8.2.1(A) Special Test	Long duration induced AC voltage test (ACLD) transformer winding $72.5 < U_m \leq 170kV$.	This Test is not applicable to tendered item. Kindly confirm	This should be as per Tender clause
22	8.2.1(A) Special Test	Determination of transient voltage transformer characteristics	This Test is not applicable to tendered item. Kindly confirm	As per clause 10.1.3"Special Test" (c) of IS 2026 (Part-1). This should be as per Tender clause
23	Cl. No. 7.1.28. Valves specification	Valves	All the three clause are contradictory. Kindly confirm which clause to be consider	Material :Cast Iron
24	CI No. 7.9 Valves specification			
25	Cl. No. 7.13.6 Valves specification			
26	CI No. 7.5 INTERNAL EARTHING	The grounding lead from the core shall be brought out of the tank through a 11 kV class bushing and grounded externally.	Please note that the grounding shall be with 1.1 KV class bushing	This should be as per Tender clause
27	Page No. 87 of 98	Terminal Arrangement: i) High voltage ii) Low voltage	Terminal Arrangement will be i) High voltage : Bare Bushing ii) Low voltage : Cable Box Kindly Confirm	Terminal Arrangement will be i) High voltage : Bare Bushing ii) Low voltage : Bare Bushing
28	Clause no. 2 (P- 34)	The losses shall not exceed the value given below	Kindly provide the base rating to be consider for the mentioned losses. Whether 12.5MVA or 16MVA. Captilization rate for auxillary losses.	16000 KVA Base
29	Clause 7.10.1 (Xiii)	If required as per BOQ, a cable box for LV bushings shall be provided.	For this higher rating power transformers cable boxes are not essential as higher clearances are essential. We request you to review and accept the bare bushing. For raate contract no. xx also bare bushings are accepted	Bare Bushings at both HV and LV Side.

30	Clause 6.13.1: Painting Page 48 of 98: ANTI RUSTING/ CORROSION TREATMENT Page 52 of 98 : Surface preparation and painting.	Painting system.	Contradictory clauses. Kindly inform the clause to follow for painting procedure.	This should be as per Tender clause
31	Cl. 7.1.28. Valves specification Cl 7.9 Valves specification Cl 7.13.6 Valves specification	Valves	Contradictory clauses. Kindly inform the clause to follow for Valves	Cast Iron Valves
32	8.2.1(A) Special Test	The short circuit test shall be a mandatory test for each design shall be supplied by the manufacturer	We have higher rating type test report of short circuit test. Kindly accept the higher rating and voltage class type test reports and issue the waiver for short circuit test.	All Type Test Certificate must be submitted for the quoted Transformer only.
33	8.2.1(b) Special Test	Determination of transient voltage transformer characteristics	These tests are not applicable for the tender item, because LV voltage winding can be subjected to lightning impulse voltage test. However CPRI - Bangalore also confirmed that they doesn't have facility to conduct the test.	As per clause 10.1.3"Special Test" (c) of IS 2026 (Part-1)
34	8.2.1(e) Special Test	Long duration induced AC voltage test (ACLD) transformer winding $72.5 < U_m \leq 170kV$.	HV and LV voltage doesn't fall in this category. So it is not applicable.	This should be as per Tender clause
35	Cl. No 11 Automatic / Parallel Operation with OLTC	OLTC shall be able to do automatic / parallel operations through Transformer Monitoring Unit (TMU).	Tap change control relay (AVR) and transformer monitoring unit (TMU) are not in TTDI scope of supply. Please check and confirm the same.	Transformer shall be supplied along with RTCC panel and TMU unit
36	Clause 30 & Clause 7.6.17	Clause 30- Maximum current density for HV and LV winding at rated tap is 2.6A/sq.mm Clause 7.6.17- Current density of coil shall not exceed 2.6A/sq.mm at min tap. Please confirm the required current density at rated tap.	Please confirm the required current density at rated tap.	Max 2.6 A/Sqmm

37	Clause 7.1.36	Suitable arrangement shall be made for mounting HV and LV lightning arrestors of the transformer.	Please confirm, whether LA's and LA's mounting arrangement are required (or) not. If required means, please provide the specification of the LA's.	Bare Bushings at both HV and LV Side. LA mounting arrangement not required
38	2.1 Price Variation Clause	Price will be fixed and firm during the contractual period.	We request you to allow bidders to participate the tender with price variation as per IEEMA Price variation formulae, with base date 01.07.2021. Currently the raw material prices are highly volatile and offering on FIRM basis is not possible. For the order placed for the same rating of 12.5/16MVA against Rate contract 4600000168 dated 10.12.2020 the price variation as per IEEMA is applicable.	Price will be fixed and firm during the contractual period.
39	3.5 Period of Validity of Bids Annexure-I, Price Schedule	RC Validity: - The validity of this rate contract shall be two years from the date of issuance. The overall period of the rate contract shall be for a period of 1 year.	The two clauses are contradictory. Kindly confirm the exact validity of Rate Contract from the date of issuance.	RC validity will be one year only
40		Scope of NIDS	Please confirm either provision for NIDS or complete supply of NIDS is in bidder scope.	NIDS will be in bidder scope
41		For heavy item(s), crane will be provided by TPCODL [unloading cost will be recovered from the associate].	As the tendered item is heavy item and unloading is in the scope of bidder, we request you to confirm whether the crane support is provided or not. If providing inform the charges for crane and unloading at site.	It is as given below

Unloading charges

Sl No	Vehicle Type	Criteria	Unloading Charges (Rs)
1	Tempo 409/709	Upto half Tempo load	2500
		More than half Tempo load	4000
2	Truck 6 wheeler	Upto half Truck load	2500
		More than half truck load	4000
3	Truck 10 wheeler	Upto half Truck load	3500
		More than half truck load	6000
4	Trailer	Upto half load	6000
		More than half load	7500