	FORMAT B.2							
Format for Technical and Commercial Pre-Bid Queries								
Tender No Backago Namo		(TPNODL / OT / 2021-22 / 070 dated 15.09.2021						
Sr. N	Detailed Reference to Tata Power Tender Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	TPNODL RESPONSES				
1	2	3	4	5				
1	2.1 event of information	Price Variation	33 KV Station Transformer, now all the major raw material prices are increased very abornamal. due price flactuation in time to time you are request allow for Variable price instead of FIRM price.	Ok Noted. Price variation formula as per IEEMA shall be applicable for this Contract.				
2	14.0.a (Liquidated Damages)	L.D. shall be considered separately for delay or each work and part thereof, from the delivery schedule for the lot, 1% of the contract value corresponding to the undelivered quantity of the lot subject to a maximm of 10% of the total contract value of the subject lot.	Geneal practice of OPTCL, CESU, SOUTHCO, WESCO & NESCO issue the PO with Imposed penalty @.5% to maximum to 5% only for SSI unit in the state of odisha.but in your tender specification mentioned that penality imposed minimum@1% to maximum 10%. Kindly ammend for the same.	Not accepatble. It would be firm as per NIT				
3	Gurantee Period (GCC Clause No. 13.2 & Technical Spec Clause No 12)	Gurantee Period	As per Tender Specification <u>GCC clause No. 13.02 Guarantee period will be 12</u> Months from the Date of Commissioning or 24 months from the date of delivery of final lot of supplies made, whichever is earlier. But in Technical Specification clause No. 7 mentioned that 48 Months from the Date of Commissioning or 60 months from the date of delivery of final lot of supplies made, whichever is earlier. which one is correct?	As per specification, The warranty period would be 48 months from date of supply.				
4	Clause No.8 of GCC	Security Deposit:5% of the PO value if purchase order value is more than Rs5 Cr. (b) 10% of the PO value if purchase order value is less than Rs 5 Crores. This shall remain valid till the end of the Guarantee Period of contract, plus one month.	Kindly consider @ 5% CPBG of Purchase order value till cover the Guarantee Period as normal practice og OPTCL,GRIDCO,JUSNL Ranchi.	As this is the Rate Contract Clause NO. 8.0 (C), 5% of the RC value in case of Rate Contract. This shall remain valid till the Guarantee period plus one month				
5	Clause No-1.3 Event of Information	As per event information clause No1.3 Calender of Events € mentioned that Last Date &Time of Receipt of BID on 11.10.2021 up to 15.00 Hours	We have purchase the Tender cost on 04.10.2021 for getting the link for uploading pre- Bid Query. Your Bid query last date was 05.10.2021 & last date of posting consoliadated replies 07.10.2021 but sorry to say that we have receive your link on yesterday (08.10.2021) so due to delay in your link we have not send pre- Bid query in time & it will be taking time for up-loading our Bid-query & submit the tener through on line.All the officials will be closed for 7 days on occassion of Durga Puja.so request for Tender due date extention up to 20.10.2021	Last date of bid submission extended up to dtd.22,10.2021				
6	Page No 18 Clause 8.2 Payment Terms	On delivery of the materials in good condition and certification of acceptance by certified official, Associate shall submit the Bills / Invoices in original in the name of TP NORTHERN ODISHA DISTRIBUTION LIMITED to AGM (Elect.) / Executive Engineer (Elect.), Central Store, TPNODL, Balasore. The payment shall be released within 45 days from the date of submission of certified bills / invoices. The payment shall be released within 45 days from the date of submission of certified bills / invoices	We request you to kindly accept payment terms as 100% Payment shall be paid through irrevocable Letter of Credit (LC) with 45 days usance period from the date of invoice.	It would remain firm as per tender				
7	Page 34 Clause 7.0 MODE OF PAYMENT	Payment shall be made through crossed RTGS/NEFT/Online Net banking mode whichever of the two modes chosen by the Associate, in favour of Associate's Bank Account on TPNODL records, on whose name Contract has been issued. Those Associates opting for the RTGS mode shall submit the details of Bank Account and other details as per annexure G. Further, for any payments made, TPNODL is not responsible for any consequences/disputes Associate have among the owners channel partners, sub-Associates and all such dispute/concerns shall be settled solely by the Associate.	We request you to kindly accept payment terms as 100% Payment shall be paid through irrevocable Letter of Credit (LC) with 45 days usance period from the date of invoice.	It would remain firm as per tender				
8	Page No 34 Clause 8.0 SECURITY CUM PERFORMANCE DEPOSIT	Associates shall submit within 15 days from the effective date of issue of PO/RC, Security Performance Bank Guarantee (SPBG) in the format as per Annexure B of this document from banks acceptable to TPNODL	We request you to kindly accept that Associates shall submit within 30 days from the effective date of issue of PO/RC, Security Performance Bank Guarantee (SPBG) in the format as per Annexure B	SPBG can be submitted within 21 days from date of issuance of RC/ PO				
9	Page No 41 Clause 14.0 LIQUIDATED DAMAGES	For supplies which are of standalone use, multiple in quantities and having a single final delivery schedule, Liquidated damages shall be levied without prejudice to any of the other contractual rights of TPNODL, as described below: For delay of each week and part thereof from the delivery schedule specified in the contract, 1% of contract value corresponding to undelivered quantity, provided full quantity is supplied within 130% of the original contract time. If full contractual quantity is not delivered within 130% of contract time for delivery, TPNODL has the right to levy LD on the entire contract value, subject to a maximum of 10% of the total contract value.	We request you to kindly accept LD should be 0.5% to Maximum 5% of undelivered portion without taxes and duties	Not accepatble. It would be firm as per NIT				
10	Page No 7 Clause 1.7(b) Qualification Criteria	Bidder must be a BEE Certified OEM of Transformer of same or Higher Ratings with manufacturing facility / assembly in India. The bidder should have oil filling machine under vacuum. TPNODL 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.	As per BEE guide line, 33 KV Transformer not required for BEE approval.	Bidder must be a BEE Certified OEM of Distribution Transformer of same or Higher Ratings with manufacturing facility / assembly in India.				

SI	r. No.	Detailed Reference to Tata Power Tender Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	TPNODL RESPONSES
	11	Page No 40 Clause 13.2 Guarantee Period & Page No 77 Clause 7 Guarantee	In page no 40 Mentioned Guarantee Period will be 12 Months from the Date of Commissioning or 24 months from the date of delivery of final lot of supplies made, whichever is earlier. In page No 77 mentioned In the event any defect is found by the Company up to a period of 48 months from the date of commissioning or 60 months from the date of last supplies made under the contract	Guarantee period mentioned different in page no 40 and pageno 70, Request you to kindly confirm guarantee period.	Already mentioned above
	12	Page No 9 Clause 2.1 Price variation Clause	The prices shall remain firm during the entire contract period.	As raw material prices are increasing day by day as per the current trend, there is a steep increase in copper, Core and other materials also. Hence we request you to accept our offer with IEEMA price variation without ceiling	Already mentioned above
	13	Document no.TPNODL/ENGG/SPEC/01 0/2021 Page no. 10 of 28 Standard Technical Specification, Clause no. 4. System Condition. Page no. 13 of 28	As per Document Title: Station Transformer Specifications 33/0.433kV_100kVA As Per Clause No:4. System Condition: 3. Rated Voltage LV: 0.400kV	We bring to your kind notice that, these secondary (LV) voltage clauses are contradicting with each other. We request you to confirm the Rated voltage on LV Side.	33/0.433kV
	14	-	Total Losses @ 50% and 100% Loading	We wish to bring to your Kind Notice that as per Technical Specification Total Losses @ 50% and 100% Loading is Not Mentioned. Kindly confirm the Total Losses @ 50% and 100% Loading.	For 100KVA DTR Total Losses (No Load + Load Loss) @ 50% Loading: 475W(Max). Total Losses (No Load + Load Loss) @ 100% Loading: 1650W(Max).
	15	-	Current Density For HV & LV Conductor Fittings & Accessories For Transformer OIL Specification Core Material Flux Density Tank Construction Internal Clearances	We Wish to bring to your kind notice that as per Technical Specification Current Density For HV & LV Conductor, Fittings & Accessories For Transformer, OLL Specification Core Material, Flux Density, Tank Construction & Internal Clearances are not specified. Kindly Provide the Complete Technical Specification for above Mentioned.	Bidder has to submit the specific values for these particulars during evalution. Current Density For HV & LV Conductor : 2.6 A/mm2 Fittings & Accessories For Transformer: Annexure-1 attached OIL Specification : The insulating oil shall comply with the requirements of IS 335. (Annexure-II attached) Core Material : CRGO steel (Grade M3 or better) Flux Density : for 100% rated voltage at 50 Hz - 1.69T for 112.5% rated voltage at 50 Hz - 1.9T Thickness of stamping (in mm)- 0.23mm to 0.27 mm Type of insulation between core lamination- caralyte Core bolt withstand insulation- 2.5 KV/1 min Tank Construction : The transformer tank shall be of robust construction rectangular in shape and shall be built up of tested MS sheets. Internal Clerances: HV : As per standard (25-50 mm) Core to LV : Minimum 10 mm LV to HV : Minimum 21 mm HV Phase to phase : Minimum 21 mm Between yoke and inside of tank to cover : Minimum 100 mm Any point of winding to tank : Minimum 41 mm
	16	1.0. Event Information, Clause no. 2.1 Price Variation Clause, Page no. 9	The prices shall remain firm during the entire contract period.	Please note, prices of all the major raw materials and components, required for manufacturing of transformers, are increasing abnormally and have reached levels, beyond the imagination of the industry. It would be very difficult to predict the price movement of material for the contractual period mentioned by your company. It would be mutually beneficial, if Price Variation, as per IEEMA formulae, is adopted for this tender as against the "FIRM Price" basis. As the prices of Raw materials increasing Abnormally. The TATA POWER, Delhi is also floating the tenders with prices on variable basis. Hence, we request to consider our request for revision of the clause as "The Price" shall be "VARIABLE" with base date as 01.09.2021 as per IEEMA formulae" as against "FIRM" basis.	Already mentioned above

Annexure-l

Fittings & Accessories for Transformer:

The following fittings shall be provided with the Transformers.

i) Name, rating & terminal marking plates

ii) Two nos. earthing terminals on the tank body with lugs at suitable location with marking of earthing.

iii) Two nos. lifting Lugs at two diagonally opposite corners of the tank.

iv) Pole/plinth mounting arrangement.

v) Silica gel breather.

vi) H.V. Bushing with arcing horn.

vii) L.V. Bushing for phases & neutrals.

viii) One no. oil level gauge of prismatic type with Minimum, Normal & Maximum Temperature Markings on the conservator.

ix) Conservator with drain plug and oil filling hole with threaded cover.

x) Top & Bottom Filter Valve of proper size

xi) Explosion Vent placed on tank top cover with Air release plug.

xii) Air release plug & lifting handle on the top of Inspection cover, Bushing turrets.

Xiii) Inspection Cover placed on Turret on top cover with Air Release plug & lifting handle.

Xiv) Dial Type Thermometer for OTI preferably of Precimeasure or Perfiect Control make.

Xv) Marshalling Box for accommodating OTI and terminal connector.

Xvi) Pocket for placing OTI probe on top cover. The pocket should be placed on an elevated base from top cover

Xvii) Thermometer pocket with suitable cap as near to the centre of the top cover as possible.

Xviii) Shutt of valve at suitable location in between Bouchholz Relay and the conservator Xix) Air Release Plug on Top of HV bushing Turret.

Xx) Lifting Lugs spaced suitably on top of tank top cover.

Xxi) One thermometer pocket on tank top cover placed as near to the centre of core yoke as possible with suitable threaded cap in addition to the pocket for OTI.

Xxii) Oil level gauge in the conservator as specified.

Xxiii) Dehydrating Breather as specified to be fitted in the breather pipe of conservator.

Xxiv) Terminal connectors at HV & LV terminals as specified.

Xxv) Lifting handle for tank top cover.

ANNEXURE-II

Specification for insulating oil:

- a) Oil for first filling together with 10% extra shall be supplied with each transformer. The oil shall comply in all respects with the provisions of IS 335, IEC No.60296. Particular attention shall be paid to deliver the oil free from moisture having uniform quality throughout in nonreturnable steel drums.
- b) The oil shall be of EHV grade and shall have the following main characteristics or equivalent (the requirements indicated are determined in accordance with the test methods as per IS: 335). The oil in the transformer shall be filled up to 'Transport filled level' before dispatch of the transformer.
- c) The maker of the oil shall be subject to approval by the Purchaser.
- d) Also refer below GTP table for insulating oil

Sr.	Characteristics	Requirement as per	Method of Test
No.		IS:335	
1	Appearance	The oil shall be clear	A sample of Oil
		and transparent and	shall be examined
		free from	in 100mm thick
		suspended matter	layer at 27deg C
		or sediment	
		temperature.	
2	Density at 29.5° C (max)	0.89 g/cm3	IS 1448 (P:16):1990
3	Kinematic Viscosity @ 27° C. (Max.)	27 cSt.	IS 1448 (P:25):1976
4	Interfacial tension Min	0.04 N/m	IS:6104:1971
5	Flash Point (Closed CUP)	140° C	IS 1448 [P : 21] :
			1992
6	Pour Point (max)	-6° C	S 1448 [P : 10] :
			1970
7	Neutralization Value (total acidity)	0.03 mg/KOH/g	IS 1448 [P : 2] :
	max.		1967
8	Corrosive sulphur (In terms of	Non Corrosive	IS 1448
	classification of copper strip)		(Partl)/Annex B of
			IS :335
9	Electric Strength (Breakdown voltage)	The sampling shall	IS 6792 : 1992
		be done in	
		accordance with the	
		procedure laid down	
		in IS 6855: 1973	
	I) New untreated oil	30 kV (r.m.s.)	
	If the above value is not attained, the oil shall be filtered		
	ii) After Filtration Min	60 kV (r.m.s.)	
10	Dielectric Dissipation Factor (tan-	0.002	IS:6103-1971
	delta) at 90°C, max.		
11	Specific resistance (resistivity)		IS:6103-1971
	ohm/cm/min		

	a) At 90° C, Min	35 X 1012 ohm-cm	
	b) At 27° C, Min	1500X 1012 ohm-cm	
12	Water content, max. per million	30 (avg. 20 ppm)	Karl Fischer Method
13	Oxidation Stability		
	(i) Neutralization	0.40 mg. KOH/g	Appendix C of
	value after oxidation		IS:335
	Max.	0.1 percent by	
	(ii) Total sludge,	weight	
	after oxidation, max		
14	Tan delta at 90° C after ageing test	0.20	IS 6262:1971
	(max)		
15	Saponification Value	Max. 1.0 mg. KOH/g	Appendix E IS-335
16	Presence of oxidation inhibitor	The oil shall contain	IS 13631: 1992
		anti-oxidant	
		additives	