



Corrigendum- I

TPNODL / OT / 2021-22 / 057 Dtd.23.08.2021

Rate Contract for Manufacture & Supply of 33/11kV 3.15 / 5.00 / 8.00 MVA Power Transformer

Dated 14th September 2021

Revised Calendar of Events

(a)	Last Date of receipt of Tender Fee	04.09.2021 ; 15:00 Hrs
(b)	Last date and time of receipt of Bids	18.09.2021 up to 15:00 Hrs
(c)	Date & Time of opening technical bids & EMD	18.09.2021 up to 15:30 Hrs
(d)	Date & Time of opening of Price of qualified bids	Will be notified to the successful bidders through our website / e-mail.

Yours faithfully,

-sd-

**HOD-Contracts
TPNODL, Balasore**

TP NORTHERN ODISHA DISTRIBUTION LIMITED

(A Tata Power & Odisha Government Joint Venture)

Registered & Corporate Office: Januganj, Remuna Golei, Balasore – 756 019, Odisha, India

Phone: +91 6782 244865, Email: contactus@tpnodl.com, Website: www.tpnodl.com

CIN: U40106OR2021SGC035951

Format for Pre-Bid Queries :	Technical & Commercial
Tender No :	TPNODL / OT / 2021-22 / 057 dtd.23.08.2021
Package Name :	Rate Contract for Manufacture & Supply of 3.15 / 5.00 / 8.00 MVA Power Transformer

Sr. No.	Detailed Reference to Tata Power Technical Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	Tata Power Response
1	2	3	4	5
1	Page No. 3 of technical specifications: 2. SPECIFIC TECHNICAL REQUIREMENTS, Sr. No. 15 Page No. 6 of technical specifications: 2. SPECIFIC TECHNICAL REQUIREMENTS, Sr. No. 34	Percentage impedance voltage on Normal tap and MVA base at 750C corresponding to HV/ LV rating and applicable tolerances (No negative tolerance will be allowed) % Impedance for 3.15 MVA - 6.25%, 5 MVA - 7.15% 8 MVA -8.35%(Tolerance +10%) % Impedance for 3.15 MVA - 7.15%, 5 MVA -7.15% 8 MVA -8.35% 10 MVA -8.35% (Tolerance +10%)	Impedance mentioned in both the clause are different. Kindly confirm which clause to be consider for impedance.	Please follow Page No. 3 of technical specifications: 2. Specific Technical Requirement, Sr. No. 15 Please follow Page No. 3 of technical specifications: 2. Specific Technical Requirement, Sr. No. 15
2	2.2 CAPITALIZATION OF LOSSES AND LIQUIDATED DAMAGES Page No. 6 of technical specifications: 2. SPECIFIC TECHNICAL REQUIREMENTS, Sr. No. 34	Capitalization of losses will be as per Annexure B Losses: - The losses shall not exceed the value given below: 3.15 MVA No Load Loss 3kW, Load loss -16 kW5 MVA , No Load Loss 4 kW, Load loss -23 kW 8 MVA No Load Loss 5.5kW, Load loss -40 kW 10 MVA No Load Loss 7kW, Load loss -50 kW	Losses to be consider as per given table or as per clause No. 2.2 capitalization of losses. Kindly confirm the same.	Capitalization of losses is not applicable Please follow the table (Losses: - The losses shall not exceed the value given below: 3.15 MVA No Load Loss 3kW, Load loss -16 kW5 MVA , No Load Loss 4 kW, Load loss -23 kW 8 MVA No Load Loss 5.5kW, Load loss -40 kW 10 MVA No Load Loss 7kW, Load loss -50 kW)
3	Clause No. 7.1.20	Inspection covers on elevation (on vertical plane) shall be provided for all HV bushing turrets.	For 33 KV Class Bushing turrets are not required.	OK
4	Sr. No. 42. Page No. 83	Particulars of bushing & Neutral CT	Kindly provide bushing & Neutral CT rating & specifications	3.15MVA-200-400/1-1 5MVA-200-400/1-1 8MVA-300-600/1-1
5	Page No. 47	NITROGEN INJECTION DRAIN AND STIR SYSTEM	We presume that scope of supply of NIDS is not in our scope. Kindly confirm the same.	OK
6	Page No. 48	NITROGEN INJECTION DRAIN AND STIR SYSTEM	Oil PIT and spare requirement is not clear in specifications	Not required
7	Page No. 48	NITROGEN INJECTION DRAIN AND STIR SYSTEM	DC Supply Relay input required for NIDS will not be in our scope	Not required
8	Clause No. 15	The connecting cables shall be fire retardant low smoke (FRLS) armored cable. Cables passing along the top of the transformer shall be the fire survival (FS) type.	As per CBIP 12 C X 2.5 Sqmm FRLS CABLE and 4 C X 1.5 sq. mm FRLS Cable Length is required	OK
9	Clause No. 2. SPECIFIC TECHNICAL REQUIREMENTS	On Wheels, Mounted on rails.	Rail guage will not be in our scope	OK
10	Technical data schedule for 3.15/5/8/10 MVA, 33/11 kV PowerTransformer	Terminal Arrangement: i) High ii) Low voltage	Terminal Arrangement will be i) High voltage : Bare Bushing ii) Low voltage : Cable Box Kindly Confirm the same.	Extended bushing bus bars shall be used for termination of 11 KV cables and cable box is not required.
11	Clause No. 8.4	INSPECTION AND TESTING AT SITE	Inspection & testing at site will not be in our scope	Supervision for commissioning of PTR to be provided by suppliers for 1no of each type without any additional cost.
12	Clause No. 10. SPAREPARTS Page No. 70	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 2No’s 2. Bimetallic connector for H.V & L.V. Bushings – Each 2sets The bidder shall also provide the following mandatory spares along with the transformer	Mandatory spares to be considered as per calue no. 10 or as per page no 70 of technical specifications. Kindly confirm the same	Please refer page no 70/91 for list of spare accessories Please refer page no 70/91 for list of spare accessories
13	Page No. 81: Terminal arrangement	Terminal Arrangement: i) High ii) Low voltage	Terminal Arrangement will be i) High voltage : Bare Bushing ii) Low voltage : Cable Box Kindly Confirm the same.	Extended bushing bus bars shall be used for termination of 11 KV cables and cable box is not required.

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14	CI No. 7.5 INTERNAL EARTHING	a) 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	1.1kV class bushing for core and 11kV class bushing for neutral.
15	8.2.1.2 Transformer type tests, Page No. 57	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).	Temperature rise test will be conducted inhouse. Impulse test will be conducted at NABL accredited lab.	Temperature rise test including DGA test should be carried out by vendor and impulse test should be carried out at CPRI/ERDA lab, both in presence of TPNODL representative.
16	8.2.1 Type Test	The bidder shall submit the test report from CPRI or ERDA for g, i and k of the above mentioned.	We shall submit the type test reports for the offered rating. Hence we shall not conduct the same on offered transformer.	OK
	8.2.1(A) Special Test	The short circuit test shall be a mandatory test for each design shall be supplied by the manufacturer		Waiver for short circuit test is not acceptable and you will have to carry out the tests on one type design transformer as you have mentioned earlier
	Page No. 73.	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.		Calculations for short circuit withstand ability test should be provide during technical evaluation
17	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.	Supervision for commissioning of PTR to be provided by suppliers for 1no of each type without any additional cost.
18	ENG-HV -131 / Clause.No: 2 / Page.No: 3	As per clause no:2: SPECIFIC TECHNICAL REQUIREMENTS 31 Maximum current density for HV and LV winding for rated current - 2.6tap A/MM2 As per clause no:7.6: WINDING 7.6.17 The current density of coil shall not exceed 2.4 Amps/ square mm at min tap of respective PTR's higher rating.	We wish to bring to your kind notice that, these two clauses are contradicting to each other. Please confirm the maximum Current density.	Follow the clause no: 7.6
19	ENG-HV -131 / Clause.No: 2 / Page.No: 4	As per clause no:2: SPECIFIC TECHNICAL REQUIREMENTS 26 (a) Of top oil measured by thermometer 40°C 26(b) Of winding measured by resistance 45 °C per clause no:7.13.7 Temperature rise of winding given as: 55 Deg. C Temperature rise of Oil given as : 45 Deg.C	Kindly amend this as per below. Permissible Temperature Rise of winding & Oil over ambient temperature shall be as per IS-2026 a) winding rise measured by resistance. - 55° C b) top oil measured by thermometer. - 50° C	Follow the clause no: 7.13.7
20	ENG-HV -131 / Clause.No: 2 / Page.No: 3	As per clause no:2(15): SPECIFIC TECHNICAL REQUIREMENTS Percentage impedance voltage on Normal tap and % Impedance for MVA base at 75°C corresponding to HV/ LV rating and applicable tolerances (No negative tolerance will be allowed)- % Impedance for 3.15 MVA - 6.25%, 5 MVA -7.15% 8 MVA -8.35% (Tolerance +10%) As per clause no:2(34): SPECIFIC TECHNICAL REQUIREMENTS	We wish to bring to your kind notice that, as per IS-2026, Part-1, When the impedance value is <10 percent then tolerance is ±10 percent of the declared value. So please amend this clause as per IS-2026, Part-1. And please confirm the percentage impedance for 3.15MVA, whether it is 6.25% or 7.15%.	Need to comply as per specifications (Only positive tolerance is allowed) % Impedance on principal tap for 3.15 MVA - 6.25%, 5 MVA -7.15% 8 MVA -8.35%

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21	ENG-HV -131 / Clause.No: 6.13.5 / Page.No: 13	<p>As per ANTI RUSTING/ CORROSION TREATMENT</p> <p>7. The paint shade used shall be shade 631 as per IS: 5.</p> <p>As per Clause No: 6.13.5 Paint Material</p> <p>The color of the finishing coats shall be dark admiral grey conforming to No.632 or IS 5:1961.</p> <p>As per Painting</p> <p>2. Before shipment all steelwork not under oil shall be painted with a primary coat of anti-corrosive paint of durable nature and two coats of battleship grey paint (Shade 631 of IS: 5).</p> <p>As per Surface preparation and painting</p> <p>The two coats shall be of oil and weather-resistant nature with final coat as flossy and non-fading paint of shade 631 as per IS 5 or RAL 7032.</p>	<p>We wish to bring to your kind notice that, these clauses are contradicting to each other. Please confirm the Paint shade for Transformer.</p>	<p>All the clauses have definite meaning, vendor has to compile the same. Outer finishing coat shall be shade 631 as per IS:5 or RAL 7032</p>
22	ENG-HV -131 / Clause.No: 2 / Page.No: 6	<p>As per clause no:2: SPECIFIC TECHNICAL REQUIREMENTS</p> <p>37(b) Gap between HV coil to the inside of the tank on the longer side(LV Side): 65mm (minimum)</p> <p>37(c) Gap between HV coil to the inside of the tank on the width side (HV side to accommodate delta and tapping leads):115mm Minimum</p> <p>37(d) Gap between core yoke to tank bottom 55mm (minimum)</p> <p>37(e) Gap between core yoke to tank bottom 55mm (minimum)</p> <p>37(f) Gap between core yoke to tank bottom 20 mm(minimum)</p> <p>37(g) Gap between core yoke to tank bottom 20 mm(minimum)</p> <p>37(h)Radial clearance between core to LV coil 12.5mm(minimum)</p>	<p>There is an ambiguity in point Numbers 37(d),37(e),37(f)&37(g). These are all gives the same meaning with different values.</p> <p>Against this we will provide the clearance as per SSEL Design standard practice. Kindly confirm?</p>	<p>37(d) Gap between core yoke to tank bottom 55mm (minimum)</p> <p>37(e) Yoke insulation at top and bottom: 130mm (minimum)</p> <p>37(f) Phase to Phase clearance between HV Limbs: 20mm (minimum)</p> <p>37(g) Radial Clearance between LV and HV Coil: 20mm (minimum)</p>
23	ENG-HV -131 / Clause.No: 1.3 / Page.No: 2	<p>As per Clause No :1.3</p> <p>The maximum flux density in any part of the cores and yoke at normal voltage and frequency shall be such that it should under 10% overvoltage condition should not be more than 1.9 Tesla.</p> <p>As per Clause No 2(21)</p> <p>Maximum Flux Density in any part of the core and yoke at rated MVA with +112.5% combined voltage and frequency variation from rated voltage i.e. 33 kV/11 kV and frequency of 50 Hz - 1.9 Tesla</p> <p>As per Clause No2.3(ii)</p> <p>The maximum flux density in any part of the core and yoke at rated Voltage and frequency shall be such that the flux density with +12.5% combined voltage and frequency variation from rated voltage and frequency shall not exceed 1.9Tesla.</p> <p>As per Clause No:7.4.2</p> <p>The maximum flux density in any part of the cores and yoke at normal voltage and frequency shall not be more than 1.69 Tesla.</p>	<p>We wish to bring to your kind notice that, These clauses are contradicting each other. We will proceed as per Clause No:7.4.2 i.e. flux density in any part of the cores and yoke at normal voltage and frequency shall not be more than 1.69 Tesla.</p> <p>Then flux density at 10% over voltage condition should be 1.859(1.69x1.1) Tesla and flux density at 112.5% of combined voltage and frequency variation condition should be 1.9 Tesla.</p> <p>So Kindly Confirm?</p>	<p>OK</p>

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24	ENG-HV -131 / Clause.No: 7.1.6 / Page.No: 15	As per Clause No:7.1.6 Gaskets of nitrile rubber or equivalent shall be used to ensure perfect oil tightness. All gaskets shall be closed design (without open ends) and shall be of one piece only. As per Clause No:7.13.2 All bolted connection to the tank shall be fitted with suitable oil-tight gaskets which shall give satisfactory service under the operating conditions. Gaskets shall be of rubber/Nitrate	We wish to bring to your kind notice that, These clauses are contradicting each other. We will provide as per Clause no:7.13.i.e. gaskets with rubber bonded cork or Neoprene rubber bonded cork or equivalent shall be used which shall give satisfactory service under the operating conditions. Kindly confirm?	Comply as per clause No:7.1.6
25	ENG-HV -131 / Clause.No: 7.6.12 / Page.No: 21	As per Clause No:7.6.12 Tapping shall not be brought out from inside the coil or from intermediate turns and shall be so arranged as to preserve as far as possible magnetic balance of transformer at all voltage ratios.	Kindly amend this clause as per below "Tapping's can be taken from anywhere in coil but it shall be arranged in a way to get possible magnetic balance of transformer at all voltage ratios."	As per tender document
26	ENG-HV -131 / Clause.No: 7.7(2) / Page.No: 22	As per Clause No:7.7(2) Inter layer insulation both for HV and LV windings shall be Epoxy diamond dotted Kraft paper and compressed pressboard of reputed make (subject to approval of TPNODL).	These will be applicable for Smaller ratings of Layer type winding construction. For higher ratings of voltage class 33/11kV these are Not applicable .So kindly remove this point.	Comply as per specification
27	ENG-HV -131 / Clause.No: 7.10.2(i)(d) / Page.No: 25	As per Clause No:7.10.2(i)(d) Plain conservator fitted with silica gel breather. As per Clause No:7.10.3 Oil preservation Equipment.	We wish to bring to your kind notice that, these two clauses are contradicting to each other. We will proceed as per Clause No:7.10.2(i)(d) i.e Plain conservator fitted with silica gel breather. Kindly confirm?	ok
28	ENG-HV -131 / Clause.No: 2 / Page.No: 6	As per clause no:2(34): SPECIFIC TECHNICAL REQUIREMENTS - Losses Methodology for computing total owning cost for Power Transformer A factor=Cost of no load losses in Rs/KW (A = 334447) B factor = Cost of load losses in Rs/KW (B = 151616)	Kindly confirm that capitalization on losses is applicable or not ?	Not applicable
29	ENG-HV -131 / Clause.No: 7.1.6 / Page.No: 15	As per Clause No:7.1.6 The tank shall have an oil tight bolted flanged joint near the base of the transformer so that the tank can be lifted off to provide access to the core and coils.	Against this we will provide the Tank and the Top cover of the transformer with Bolted construction, since generally above construction will be used for very large power transformers (above 100MVA). Please confirm?	Need to comply as per tender document
30	ENG-HV -131 / Clause.No: 2 / Page.No: 5	As per clause no:2(15): SPECIFIC TECHNICAL REQUIREMENTS 28(a). HV winding line end 36 KV oil filled communicating type porcelain bushings (Anti-fog type) 28(b). LV winding 12KV porcelain type of bushing (Anti-fog type)–for outdoor 11KV breakers (11KV Power cables shall be used for extending supply to 11KV breakers in case of indoor circuit breakers. The termination of 11KV cables on LV bushing shall be Through extended copper bus bars suitable to hold power cables termination. A metallic cable termination box, completely sealed, shall be installed on LV side of the transformer in which cables shall enter from bottom gland plates.)	We understand that, LV Termination & HV termination is with bare bushings. Kindly Confirm. Even if LV termination is with cable box cables, cable glands and lugs are not in SSEL scope of supply.	OK

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31	ENG-HV -131 / Clause.No: 7.5 / Page.No: 19	As per Clause No:7.5. a) The grounding lead from the core shall be brought out of the tank through a 11 kV class bushing and grounded externally.	We wish to bring to your kind notice that, the grounding shall be with 1.1 kV class bushing. Kindly confirm?	1.1kV class bushing for core and 11kV class bushing for neutral.
32	ENG-HV -131 / Clause.No: 2 / Page.No: 3	As per clause no:2: SPECIFIC TECHNICAL REQUIREMENTS 6. Type of mounting - On Wheels, Mounted on rails	We wish to bring to your kind notice that, supply of rails is not in SSEL scope of supply.	OK
33	ENG-HV -131 / Clause.No: 7.13.3 / Page.No: 19	As per clause no:7.13.3: Radiators 7.g) Top oil filling pump.	Type of cooling is given as ONAN, it means that heat dissipation will be done by Oil Natural and Air Natural. So forced cooling with oil filling pump is not required. Please confirm?	OK
34	ENG-HV -131 / Clause.No: 8.2.1(A) / Page.No: 59	As per clause no: 8.2.1(A) Special Test e) Long duration induced AC voltage test (ACLD) transformer winding 72.5<Ums170kV.	We wish to bring to your kind notice that, HV and LV voltage doesn't fall in this category. So it is not applicable.	75kV for LV side and 170kV for HV side
35	ENG-HV -131 / Clause.No: 8.2.1(A) / Page.No: 59	As per clause no: 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.	Against this clause we will submit the type test reports of similar or higher rating, if type test reports in line with the specification are required, same will be provided at an extra charge.	Waiver for short circuit test is not acceptable and you will have to carry out the tests on one type design transformer
36	Pg. No. 48 of Technical specifications	Pg. No. 48 of Technical specifications NITROGEN INJECTION DRAIN AND STIR SYSTEM	We presume that supply of NIFPS is not in our scope. Kindly confirm the same.	OK
37	ENG-HV -131 / Clause.No: 11 / Page.No: 33	Clause no. 11 of TS: OLTC shall be able to do automatic / parallel operations through Transformer Monitoring Unit (TMU). Clause no. 1.1 of TS: 5.00MVA-ON Load in Tank / Flange Mounted Type Tap Changer (with TMU Control Panel) 8.00MVA-ON Load in Tank / Flange Mounted Type Tap Changer (with TMU Control Panel) Clause no. 7.12.2: ON-LOADTAP-CHANGERS: 13. Tap Changer Control and Transformer Monitoring Unit (TMU) is not to be supplied by the bidder of the Transformer.	These clauses are contradictory to each other. We presume that the Tap change control, AVR and transformer monitoring unit (TMU) are not in our scope of supply. Please check and confirm the same.	Ok
38	Page no 3 Point 15 & Page No 6	% impedance	% impedance in page no 3 for 3.15MVA is 6.25 & page no 3 mentioned 7.15. Please confirm	Need to comply as per specifications (Only positive tolerance is allowed) % Impedance on principal tap for 3.15 MVA - 6.25%, 5 MVA -7.15% 8 MVA -8.35%
39	Page No 4 Point no 26(a) (b) & Page No 38	Temperature rise	Temp rise in page no 4 mentioned 40 °C & 45 °C & page no 38 mentioned 45 °C & 55 °C	Comply as per clause no 7.13.7 Temperature rise of winding : 55 °C Temperature of oil: 45 °C
40	Page no 40 Clause No 5 (v)	Magnetic reed switch type Buchholz relays suitable for nominal pipe bore of 80 mm with 2 sets of potential free contacts suitable for 24V to 48VDC.	As per tender specification mentioed dia 80mm, but 50mm is sufficient for 3.15 & 5MVA. Please confirm	OK
41	Technical Specification_OT_057	Terminal Arrangement	Please confirm both side cable box required or not	Not required
42	Technical Specification_OT_057	NIFPS system	please confirm total NIFPS system required or only provision required.	Not required
43	8.2..1.2 of Technical specification	Temperature rise and Impulse test to be conducted on one unit at factory premises.	We have conducted impulse and temperature rise at CPRI, Bhopal during type test of 5 MVA, 33/11 KV OCTC transformer. So further impulse & temperature rise test not required at manufacturing unit.	Need to comply as per tender document. All test shall be conducted in presence of TPNODL representative

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44	8.2.1.1of Technical specification	Type test	WE have valid type test report of 5 MVA, 33/11 KV Transformer at CPRI, Bhopal. So we are requesting for type test wave out of 3.15 MVA,. As we have type tested higher rating transformer of same voltage & ratio.	All type test for each design type of transformer to be conducted at CPRI/ERDA laboratory in presence of TPNODL representative
45	8.2.1.1of Technical specification	Transformers offered without type tested however design shall not be accepted. In case manufacturer agrees for type testing of transformer, testing shall be conducted on manufacturer's cost.	We have valid type test report of 5 MVA, 33/11 KV , OCTC transformer at CPRI, Bhopal. But as per your technical specification required the transformer 5 MVA & 8 MVA are with on load tap. So in this case we undertake to arrange for type test in line with the specification on our cost. Reuesting you to accept our undertaking for consider our offer.	Need to comply as per tender document
46	As per clause no:2:	SPECIFIC TECHNICAL REQUIREMENTS 31 Maximum current density for HV and LV winding for rated current - 2.6tap A/MM2	We wish to bring to your kind notice that, these two clauses are contradicting to each other. Please confirm the maximum Current density.	Follow the clause no: 7.6
47	As per clause no:7.6:	WINDING 7.6.17 The current density of coil shall not exceed 2.4 Amps/ square mm at min tap of respective PTR's higher rating.		Follow the clause no: 7.6
48	As per clause no:7.13.7	Temperature rise of winding given as: 55 Deg. C Temperature rise of Oil given as : 45 Deg.C	Kindly amend this as per below. Permissible Temperature Rise of winding & Oil over ambient temperature shall be as per IS-2026 a) winding rise measured by resistance. - 55° C b) top oil measured by thermometer. - 50°C	Comply as per clause no 7.13.7 Temperature rise of winding : 55 °C Tempereture of oil: 45 °C
49	As per clause no:2: SPECIFIC TECHNICAL REQUIREMENTS	26 (a) Of top oil measured by thermometer 40°C 26(b) Of winding measured by resistance 45 °C		
50	As per clause no:2(15): SPECIFIC TECHNICAL REQUIREMENTS	Percentage impedance voltage on Normal tap and % Impedance for MVA base at 75°C corresponding to HV/ LV rating and applicable tolerances (No negative tolerance will be allowed)-% Impedance for 3.15 MVA - 6.25%, 5 MVA -7.15% 8 MVA -8.35% (Tolerance +10%) As per clause no:2(34): SPECIFIC TECHNICAL REQUIREMENTS	We wish to bring to your kind notice that, as per IS-2026, Part-1, When the impedance value is <10 percent then tolerance is ±10 percent of the declared value. So please amend this clause as per IS-2026, Part-1. And please confirm the percentage impedance for 3.15MVA, whether it is 6.25% or 7.15%.	Need to comply as per specifications (Only positive tolerance is allowed) % Impedance for 3.15 MVA - 6.25%, 5 MVA -7.15% 8 MVA -8.35%
51	As per ANTI RUSTING/ CORROSION TREATMENT		We wish to bring to your kind notice that, these clauses are contradicting to each other. Please confirm the Paint shade for Transformer.	All the clauses have definite meaning, vendor has to compile the same. Outer finishing coat shall be shade 631 as per IS:5 or RAL 7032
52	As per Clause No: 6.13.5 Paint Material	The color of the finishing coats shall be dark admiral grey conforming to No.632 or IS 5:1961.		
53	As per Painting	2. Before shipment all steelwork not under oil shall be painted with a primary coat of anti-corrosive paint of durable nature and two coats of battleship grey paint (Shade 631 of IS: 5).		
54	As per Surface preparation and painting	The two coats shall be of oil and weather-resistant nature with final coat as flossy and non-fading paint of shade 631 as per IS 5 or RAL 7032.		

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55	As per clause no:2: SPECIFIC TECHNICAL REQUIREMENTS	37(b) Gap between HV coil to the inside of the tank on the longer side(LV Side): 65mm (minimum) 37(c) Gap between HV coil to the inside of the tank on the width side (HV side to accommodate delta and tapping leads):115mm Minimum 37(d) Gap between core yoke to tank bottom 55mm (minimum) 37(e) Gap between core yoke to tank bottom 55mm (minimum) 37(f) Gap between core yoke to tank bottom 20 mm(minimum) 37(g) Gap between core yoke to tank bottom 20 mm(minimum) 37(h)Radial clearance between core to LV coil 12.5mm(minimum)	There is an ambiguity in point Numbers 37(d),37(e),37(f)&37(g). These are all gives the same meaning with different values. Against this we will provide the clearance as per SSEL Design standard practice. Kindly confirm?	37(d) Gap between core yoke to tank bottom 55mm (minimum) 37(e) Yoke insulation at top and bottom: 130mm (minimum) 37(f) Phase to Phase clearance between HV Limbs: 20mm (minimum) 37(g) Radial Clearance between LV and HV Coil: 20mm (minimum)
56	As per Clause No :1.3	The maximum flux density in any part of the cores and yoke at normal voltage and frequency shall be such that it should under 10% overvoltage condition should not be more than 1.9 Tesla.	We wish to bring to your kind notice that, These clauses are contradicting each other. We will proceed as per Clause No:7.4.2 i.e. flux density in any part of the cores and yoke at normal voltage and frequency shall not be more than 1.69 Tesla.	OK
57	As per Clause No 2(21)	Maximum Flux Density in any part of the core and yoke at rated MVA with +112.5% combined voltage and frequency variation from rated voltage i.e. 33 kV/11 kV and frequency of 50 Hz - 1.9 Tesla	Then flux density at 10% over voltage condition should be 1.859(1.69x1.1) Tesla and flux density at 112.5% of combined voltage and frequency variation condition should be 1.9 Tesla.	
58	As per Clause No2.3(ii)	The maximum flux density in any part of the core and yoke at rated Voltage and frequency shall be such that the flux density with +12.5% combined voltage and frequency variation from rated voltage and frequency shall not exceed 1.9Tesla.	So Kindly Confirm?	
59	As per Clause No:7.4.2	The maximum flux density in any part of the cores and yoke at normal voltage and frequency shall not be more than 1.69 Tesla.		
60	As per Clause No:7.1.6 Gaskets of nitrile rubber or equivalent shall be used to ensure perfect oil tightness. All gaskets shall be closed design (without open ends) and shall be of one piece only. As per Clause No:7.13.2 All bolted connection to the tank shall be fitted with suitable oil-tight gaskets which shall give satisfactory service under the operating conditions. Gaskets shall be of rubber/Nitrate	We wish to bring to your kind notice that, These clauses are contradicting each other. We will provide as per Clause no:7.13.i.e. gaskets with rubber bonded cork or Neoprene rubber bonded cork or equivalent shall be used which shall give satisfactory service under the operating conditions. Kindly confirm?		Comply as per clause 7.1.6
61	As per Clause No:7.6.12	Tapping shall not be brought out from inside the coil or from intermediate turns and shall be so arranged as to preserve as far as possible magnetic balance of transformer at all voltage ratios.	Kindly amend this clause as per below “Tapping’s can be taken from anywhere in coil but it shall be arranged in a way to get possible magnetic balance of transformer at all voltage ratios.”	As per tender document
62	As per Clause No:7.7(2)	Inter layer insulation both for HV and LV windings shall be Epoxy diamond dotted Kraft paper and compressed pressboard of reputed make (subject to approval of TPNODL).	These will be applicable for Smaller ratings of Layer type winding construction. For higher ratings of voltage class 33/11kV these are Not applicable .So kindly remove this point.	Comply as per specification
63	As per Clause No:7.10.2(i)(d)	Plain conservator fitted with silica gel breather	We wish to bring to your kind notice that, these two clauses are contradicting to each other. We will proceed as per Clause No:7.10.2(i)(d) i.e Plain conservator fitted with silica gel breather. Kindly confirm?	OK
64	As per Clause No:7.10.3	Oil preservation Equipment.		

Sr. No.	Detailed Reference to Tata Power Technical Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	Tata Power Response
65	As per clause no:2(34):	SPECIFIC TECHNICAL REQUIREMENTS Methodology for computing total owning cost for Power Transformer A factor=Cost of no load losses in Rs/KW (A = 334447) B factor = Cost of load losses in Rs/KW (B = 151616)	Kindly confirm that capitalization on losses is applicable or not ?	Not applicable
66	As per Clause No:7.1.6	The tank shall have an oil tight bolted flanged joint near the base of the transformer so that the tank can be lifted off to provide access to the core and coils.	Against this we will provide the Tank and the Top cover of the transformer with Bolted construction, since generally above construction will be used for very large power transformers (above 100MVA). Please confirm?	Need to comply as per tender document
67	As per clause no:2(15):	SPECIFIC TECHNICAL REQUIREMENTS 28(a). HV winding line end 36 KV oil filled communicating type porcelain bushings (Anti-fog type) 28(b). LV winding 12KV porcelain type of bushing (Anti-fog type)–for outdoor 11KV breakers (11KV Power cables shall be used for extending supply to 11KV breakers in case of indoor circuit breakers. The termination of 11KV cables on LV bushing shall be Through extended copper bus bars suitable to hold power cables termination. A metallic cable termination box, completely sealed, shall be installed on LV side of the transformer in which cables shall enter from bottom gland plates.)	We understand that, LV Termination & HV termination is with bare bushings. Kindly Confirm. Even if LV termination is with cable box cables, cable glands and lugs are not in SSEL scope of supply.	OK
68	As per Clause No:7.5.	a) The grounding lead from the core shall be brought out of the tank through a 11 kV class bushing and grounded externally.	We wish to bring to your kind notice that, the grounding shall be with 1.1 kV class bushing. Kindly confirm?	1.1kV class bushing for core and 11kV class bushing for neutral.
69	As per clause no:2:	SPECIFIC TECHNICAL REQUIREMENTS 6. Type of mounting - On Wheels, Mounted on rails.	We wish to bring to your kind notice that, supply of rails is not in SSEL scope of supply.	OK
70	As per clause no:7.13.3:	Radiators g) Top oil filling pump.	Type of cooling is given as ONAN, it means that heat dissipation will be done by Oil Natural and Air Natural. So forced cooling with oil filling pump is not required. Please confirm?	OK
71	As per clause no: 8.2.1(A)	Special Test e) Long duration induced AC voltage test (ACLD) transformer winding 72.5<Um≤170kV.	We wish to bring to your kind notice that, HV and LV voltage doesn't fall in this category. So it is not applicable.	75kV for LV side and 170kV for HV side
72	As per clause no: 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.	Against this clause we will submit the type test reports of similar or higher rating, if type test reports in line with the specification are required, same will be provided at an extra charge.	Waiver for short circuit is not acceptable and you will carry out the test on each type of design transformer in presence of TPNODL representative.
73	Pg. No. 48 of Technical specifications	NITROGEN INJECTION DRAIN AND STIR SYSTEM	We presume that supply of NIFPS is not in our scope. Kindly confirm the same.	OK
74	Clause no. 11 of TS:	OLTC shall be able to do automatic / parallel operations through Transformer Monitoring Unit (TMU).	These clauses are contradictory to each other. We presume that the Tap change control, AVR and transformer monitoring unit (TMU) are not in our scope of supply.	OK
75	Clause no. 1.1 of TS:	5.00MVA-ON Load in Tank / Flange Mounted Type Tap Changer (with TMU Control Panel) 8.00MVA-ON Load in Tank / Flange Mounted Type Tap Changer (with TMU Control Panel)	Please check and confirm the same.	
76	Clause no. 7.12.2:	ON-LOADTAP-CHANGERS: 13. Tap Changer Control and Transformer Monitoring Unit (TMU) is not to be supplied by the bidder of the Transformer.		

Sr. No.	Detailed Reference to Tata Power Technical Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	Tata Power Response
77	As per Clause No: 2.1:	Price Variation Clause 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 Prices shall be "VARIABLE" with base date as 01.08.2021 as per IEEMA formulae" as against "FIRM" basis.	Ok Noted. Price variation formula as per IEEMA shall be applicable for this Contract.
78	As per Clause No.1.3 Calendar of Events	Last date and time of receipt of Bids:06.09.2021 up to 15:00 Hrs	We need additional time to prepare the requisite documents to submit our bid with the most competitive prices. In this context, we request you to Extend the tender submission date due on 06.09.2021 to further 2 Weeks i.e. up to 20.09.2021. This will enable us to prepare and submit the Bid in-line with tender requirement.	extended up to 18.09.2021
79	clause No.2.2	Capitalizetolerance of losses will be as per Annexure B which is attached herewith. No (j)ve tolerance shall be allowed at any point of time, on the quoted losses after the awarded. In case, the losses during type testing, routine testing etc. are found above the quoted losses, the award shall stand cancelled. In such a case, the CPG money shall also forfeited.	Since different power utilities in India had different specifications for Power transformers and the watt losses of the transformers differed from one power utility to another, in an effort to standardize the technical specification which would be applicable to all the Power Utilities/Electricity Boards uniformly, the Ministry of Power, Government of India formed a Committee A to bring out a uniform technical specification. In the report of Committee A they standardized the technical specification of Power transformers and did away with the condition of capitalization of losses while evaluation of tenders so that the specification becomes applicable all over India uniformly without any deviations, as otherwise it would give way to unhealthy competition amongst bidders. Various Power Utilities/Discoms viz. All Discoms of Uttar Pradesh, All Discoms of Madhya Pradesh, All Discoms of Rajasthan have already adopted the aforesaid Technical Specification of Committee A for Power Transformers in toto without any de After 1 year : Rs. 105/- After 1 year 6 months : Rs. 122/- After 2 years : Rs. 145/- You can see price increase of 45% in last 2 years Therefore, in place of firm price as per Clause No. 2.1 of your specification, variable pr	Already covered in point no-77
80	Clause no. 2 (Specific Technical Requirements) Page no. (4), Point no. 18 (b)	Range of taping : + 5% to -15% in 8 equal steps of 2.5% each on HV winding, 9 tap positions.	Please confirm the actual requirement	The tapping range of On Load Tap Changer shall be +5% to -

Sr. No.	Detailed Reference to Tata Power Technical Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	Tata Power Response
80	Clause no. 7.12.2 (On Load Tap Changers) Page no. (28), Point no. (iv)	The tapping range of On Load Tap Changer shall be +5% to -15% in steps of 1.25% each. The no of taps shall be 17.	Please confirm the actual requirement	15% in steps of 1.25% each. The no of taps shall be 17.
81	Clause no. 2 (Specific Technical Requirements) Page no. (4), Point no. 26 (a) & 26 (b) Clause no. 7.13.7 (Insulation) Page no. (39), Point no. (3)	Permissible Temperature rise over ambient temperature : Of top oil measured by thermometer : 40 °C Of winding measured by resistance : 45 °C Winding - Natural-oil Natural-air cooled (ONAN) - Temperature Rise : 55 °C Oil - All types - Temperature Rise : 45 °C	Please confirm the actual requirement	Comply as per clause no 7.13.7 Temperature rise of winding : 55 °C Temperature of oil: 45 °C
82	Clause no. 8.2.1.2 (Transformer Type Test) Page no. 58	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 : (2) Impulse Test (Including chopped wave on all the three limbs of HV & LV).	Our request is : Impulse test can be conducted at an independent laboratory (CPRI) instead of at manufacturer's works.	OK but all tests shall be conducted in presence of TPNODL representative.
83	Clause No 1.7 (b)	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. 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.	Please clarify BEE certified OEM, BIS/BEE certificate is applicable for distributions transformer upto 2.5 MVA only. The requirement of BEE certificate is not clear to us.	OK
84	2.1 Price Variation Clause	The prices shall remain "FIRM" during the entire contract period.	We request you to allow bidders to participate the tender with price variation as per IEEMA Price variation formulae, with base date 01.08.2021. Currently the raw material prices are highly volatile and offering on FIRM basis is not possible. For the tenders floated by TPDDL - New Delhi & TATA Power - Mumbai (For Mumbai & TPCODL requirement) tenders the price variation as per IEEMA is applicable for supply of Power Transformers. We request your good office to kindly review and allow bidders to participate price variation as per IEEMA formulae.	Already covered in point no-77
85	NITROGEN INJECTION DRAIN AND STIR SYSTEM	Scope of NIDS	Please confirm either provision for NIDS or complete supply of NIDS is in bidder scope. In general for these capacity of Transformers NIDS is not suggestable and as well as not economical.	Not required
86	Cl. No. 12.5 Dispatch and Delivery Instructions: Point No.8	In case of manual unloading, supplier / transporter shall deploy sufficient Labour for unloading the material at TPNODL central store. For heavy item(s), crane will be provided by TPNODL [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 wheather the crane support is provided or not. If providing inform the charges for crance and unloading at site.	OK
87	1.7.b (Qualification Criteria)	The Bidder must be BEE certified OEM of Power transformer	As per BEE guide line, 33 KV Transformer not required for BEE approval.	ok

Sr. No.	Detailed Reference to Tata Power Technical Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	Tata Power Response
88	2.1 Price Variation Clause	The prices shall remain "FIRM" during the entire contract period.	As this is rate contract for 2 years and quantity is more, we request you to kindly accept the IEEMA PVC without ceiling. There is steep increase in raw material prices, hence it is very difficult to quote firm price. Also as standard practice Tata Power offering IEEMA PVC without ceiling in all their tenders, request you to kindly consider the same.	Ok Noted. Price variation formula as per IEEMA shall be applicable for this Contract.
89	8.2 Payment Terms	The payment shall be released within 45 days from the date of submission of certified bills / invoices.	We being msme request you to accept the payment terms as 30 days from the date of submission of certified bills / invoices.	Ok noted.
90	13.2 Guarantee Period: Page No. 43 tender documents	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.	Please confirm the guarantee period	Warranty period for this contract shall be 60 months from date of delivery of material at site.
91	Sr. No. 18 Warranty: Technical specifications	2 years from the date of purchase. In case any defects are found, the vendor shall replace the product free of cost.		
92	As per Tender Document, Clause No.2.1 of Page No.9	As per Clause No: 2.1: Price Variation Clause 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 Prices shall be "VARIABLE" with base date as 01.08.2021 as per IEEMA formulae" as against "FIRM" basis.	Already covered in point no-2
93	As per Tender Document, Clause No.1.3 of Page No.5	As per Clause No.1.3 Calendar of Events Last date and time of receipt of Bids:06.09.2021 up to 15:00 Hrs	We need additional time to prepare the requisite documents to submit our bid with the most competitive prices. In this context, we request you to Extend the tender submission date due on 06.09.2021 to further 2 Weeks i.e. up to 20.09.2021. This will enable us to prepare and submit the Bid in-line with tender requirement.	Bid due date is extended till 18.09.2021 @ 5 PM>
94	As per Tender document Pg No 1	RATE CONTRACT FOR MANUFACTURE & SUPPLY OF 33/11kV 3.15 / 5.00 / 8.00 MVA POWER TRANSFORMER	We have experience for supply of DTR/PTR upto 5MVA transformer. With reference to your said NIT, we would like to bid for 3.15 & 5MVA only.	It shall be done as per NIT.
95	As per Tender document Pg No 9	Submission FIRST PART EMD" of Rs. 10,00,000/- (Rupees Ten Lacs only) shall be submitted	We have experience for supply of DTR/PTR upto 5MVA transformer. With reference to your said NIT, we would like to bid for 3.15 & 5MVA only. So request you to kindly reduce EMD value for the same.	It shall be as per NIT

Sr. No.	Detailed Reference to Tata Power Technical Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	Tata Power Response
96	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 45days 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 shall be firm as per NIT
97	Page 34 Clause 7.0 MODE OF PAYMENT	Payment shall be made RTGS / NEFT 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 shall be firm as per NIT
98	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	It shall be firm as per NIT
99	Page No 44 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 0.5% to Maximum 5% of undelivered portion without taxes and duties	It shall be firm as per NIT
100	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 covered in point no-2
101	1.10 of event information	100 % EMD as per prescribed value in tender specifaicon	As we are MSME/SSI unit in the state of Odisha, kindly reduce the EMD amount 50% of Prescribed value. Also TPSODL, TPWODL and also TATA Power tender floated the tender with 50% EMD. Enclosing the tender copy for your ready reference.	Already mentioned in GCC. Please see and submit the EMD as per GCC.
102	2.10 event of information	Price Variation	Your Tender enquiry for Power Transformer,now all the raw material prices are increased timt to time. So due this price flactuation you are request kindly allow for Variable price instead of FIRM price.	Already covered in point no-2

Sr. No.	Detailed Reference to Tata Power Technical Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	Tata Power Response
103	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 maximum of 10% of the total contract value of the subject lot.	General 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 penalty imposed minimum@1% to maximum 10%. Kindly amend for the same.	It shall be firm as per NIT
104	Guarantee Period (GCC Clause No. 13.2 & Technical Spec Clause No 12)	Guarantee 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. 12 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 ?	It shall same as mentioned above.
105	Clause No.1.7 (d) Page No.7	Qualification criteria	As per tender specification bidder should have executed 100% order same rating or higher rating. We would request you to kindly allow for MSME unit like us minimum 50% instead of 100%.	It shall be firm as per NIT
106	1.7 (a) & (b) of tender Notice under heading Qualification Criteria	Bidder must be a BEE Certified OEM of Distribution Transformers The bidder should have valid BEE certification with successful type test reports	BEE certification is applicable for distribution transformers upto 2500 KVA transformer only, hence it is not applicable in this rated transformer. .	ok
107	2.1 of Tender Notice Price Variation	Prices shall remain Firm during the entire contract period	Please allow Price Variation instead of Firm price as the present market condition where the prices of major raw materials like Copper, CRGO Steel, Transformer Oil and Mild Steel are on ever time high and the upward trend is going on. Besides, there is shortage of CRGO Steel in the market resulting unprecedented rise in its price. . Distribution companies of Tata Power at Delhi, WESCO and SOUTHCO adopted the IEEEMA PV formula to neutralize the market fluctuation in the interest of both the buyer and supplier. Even you have also allowed Price Variation clause in case of supply of distribution transformers. Moreover it is practically not possible to hold prices more than 30 months.	Already covered in point no-2
108	14.0 of GCC Liquidated Damage	The liquidated damage shall be charged @ 1% per week subject to maximum 10% of the total PO value.	Please amend this clause to read as 0.5% per week subject to maximum of 5% of the delayed quantity	As per Tender Clause
109	Qualification Criteria (Clause No. 1.7) Point (b)	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. 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.	We wish to point out that we are BEE Certified OEM for Distribution Transformers. However, Power Transformers does not fall under BEE. Kindly make necessary changes.	ok

Sr. No.	Detailed Reference to Tata Power Technical Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	Tata Power Response
110	Qualification Criteria (Clause No. 1.7) Point (d)	The Bidder should have executed supply orders of Power Transformers of same rating or higher rating for 100% of the tender quantity during last 3 financial years	Due to the onset of COVID-19 pandemic during last 2 years, production of power transformers have severely hit due to several months of lockdown & no major Govt.Tenders /private orders during such duration of 2 years. Kindly relax this qualifications requirement to 50% of minimum quantity in last 3 financial years or 100% tender quantity in 5 financial years	As per Tender Clause
111	Price Variation Clause (Clause No. 2.1)	The prices shall remain firm during the entire contract period.	<p>The prices of major raw materials for Power Transformers like CRGO, Copper, Transformer Oil, Steel, labour etc. vary on a monthly basis & in recent time we have seen high fluctuations in such prices. This year alone, prices have gone up by 30% to 40% & are at an upward trend. Such trends cannot be predicted and firm price for a period of 2 years is unjustified. Also in all major Discoms, there is price variation clause as per IEEMA.</p> <p>As an example, we have calculated Price Variation in Power Transformers in the last 2 years. Assuming rate contract awarded two years ago, i.e Sept. 2019, we have calculated PV every six months as under :-</p> <p>Price on 1/9/19 : Rs. 100/- After 6 months : Rs. 102/- After 1 year : Rs. 105/- After 1 year 6 months : Rs. 122/- After 2 years : Rs. 145/-</p> <p>You can see price increase of 45% in last 2 years Therefore, in place of firm price as per Clause No. 2.1 of your specification, variable price as per IEEMA should be considered.</p>	Already covered in point no-2
112	Due date of Tender 06/09/2021		Please extend the tender for two weeks	already extended up to 18.09.2021