



Ref: TPCODL/P&S/100000042/2021-22 /Corrigendum/002

Dated: 21<sup>st</sup> May 2021

**Sub: Corrigendum-2 to Open tender number TPCODL/P&S/100000042/2021-22 for Rate Contract for Repair and Reconditioning of Distribution Transformers of Various Ratings (upto 1000 kVA) at Vendor's works**

With reference to above the bidder are intimated to note the following intimations:

**I. Modification in the existing BOQ (Schedule of Items - Annexure-1) of the mentioned Tender**  
Bidders are requested to refer Annexure-1 of this Corrigendum for revised BoQ and the bidders should quote as per the revised BOQ.

**II. Addition/Modification in existing Clause 1.7 (Qualification Requirement) of mentioned Tender**

**Below is the modified Clause 1.7 (Qualification Requirement) to participate in the Tender:**

a. The bidder should have an average annual turnover of Rs.4 Cr in last 3 financial years and should be prior experience of Transformer manufacture and shall have a repair workshop. Copy of audited P&L Account along with work order/completion certificate to be submitted in this regard.

**OR**

The bidder should have repaired at least 200 Nos. of distribution transformers (3 Phase, 11/0.433 KV) of rating 10 KVA to 990 KVA during the last 3 years or average 75 nos. of Distribution transformer per year, out of which 50% of the DTs repaired should be of rating 100KVA and more. Kindly note that preference will be given to bidder having more than 200 nos. of DT repair in last 3 years.

Copy of work order/completion certificate to be submitted in this regard

b. The bidder should have facilities to carry out following activities:

- All routine and acceptance test as per TPCODL technical specification & IS 1180 part 1.
- Bidder should have facility for carrying out temperature rise test.
- All equipment / instruments to have valid calibration by NABL Accredited Laboratory. Bidder to give undertaking in this regard.
- Bidder should have calibration of EOT crane slings as applicable.
- Bidder should have in process quality checks for repairing of transformers.

Bidder should submit the undertaking in this regard. TPCODL Factory Inspection shall be carried out by TPCODL team to evaluate the same, and failing to meet the expectation of TPCODL Technical team as per above standards shall lead to disqualification.

**III. Modification in SCC Clause 7.0 sub clause related to "Security Deposit against asset Lifting: Existing Clause-**

**Security Deposit against assets lifted-** The repairer shall furnish a Contract Performance Bank guarantee on TPCODL format for 5% of RC value immediately on receipt of the RC and shall also furnish additional lifting guarantee of 10% of (50% of RC value) before lifting of transformers. The Contract performance bank guarantee shall be valid till the end of contract period plus one month and lifting BG shall be valid till the transformers are returned to TPCODL. The repairer is



also required to submit performance bank guarantee of the amount equivalent to 10% of the total repair charges for guarantee period plus one month & to the sole discretion of TPCODL management, with a provision for extension up to another six months if required by TPCODL

**Revised Clause-**

**Security Deposit against assets lifted** - The repairer shall furnish a Contract Performance Bank guarantee on TPCODL format for 5% of RC value immediately on receipt of the RC with validity that shall cover the One year RC period and the Guarantee Period of the Repaired Transformer plus one month. Apart from this the BA has to submit One Insurance policy for Rs.2.00 Lakhs in favour of TP Central Odisha Distribution Limited to protect the lifted DTs against theft or burglary and another Insurance Policy for Rs. 4.00 Lakhs in favour of TP Central Odisha Distribution Limited for protection against loss due to Fire hazards.

Note- No lifting of Transformer will be allowed until the BA furnishes above PBG and Insurance policies.

**IV. Addition to Clause No. 7.4 related to Payment Terms**

**Existing Clause-**

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 Central Odisha Distribution Limited to Invoice Desk. The payment shall be released within 45 days from the date of submission of certified bills/ invoices

**Revised Clause-**

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 Central Odisha Distribution Limited to Invoice Desk. The payment shall be released within 30 days from the date of submission of certified bills/ invoices after adjusting the Scrap value as per Joint verification report duly signed by TPCODL inspector & BA representative.

**V. Bidders are requested to fill Business Associate Registration Form in Format attached as Annexure to this Corrigendum.**

**VI. Last Date of receipt of Pre-Bid queries is 28.05.2021 up to 13:00 Hours and not 28.06.2021 up to 13:00 Hours as mentioned in Corrigendum-1 of the Tender.**

**Note:**

- I. Bidder are requested to quote as per revised BoQ, failing to do so will lead to bid rejection
- II. New bidders who are interested to participated in our above tender, are requested to refer the timelines as per previous Corrigendum
- III. All other terms and conditions of the above tender will remain same

**By Order**  
**Chief-Procurement & Store, TPCODL**



**ANNEXURE - I**

**Schedule for Items**

**Section-1**

Sr. No.	Item Description	Quantity	UoM	Basic Unit 'Net Repair Cost' (i.e. A+B-C)*	Taxes & Duties	Total Unit 'Net Repair Cost'	Total Price
1	10 KVA , 11 / 0.230 kV 1 Ph Al wound	12	EA				
2	10 KVA , 11 / 0.230 kV 1 Ph Cu wound	4	EA				
3	16 KVA , 11 / 0.230 kV 1 Ph Al wound	98	EA				
4	16 KVA , 11 / 0.230 kV 1 Ph Cu wound	4	EA				
5	25 KVA , 11 / 0.230 kV 1 Ph Al wound	16	EA				
6	25 KVA , 11 / 0.230 kV 1 Ph Cu wound	4	EA				
7	25 KVA, 11/0.4 kV 3PH,Al wound	200	EA				
8	25 KVA, 11/0.4 3PH,CU wound	4	EA				
9	63 KVA, 11/0.4 3PH,Al wound	150	EA				
10	100 KVA, 11/0.4 3PH,Al wound	260	EA				
11	200 KVA, 11/0.4 3PH,AL wound	4	EA				
12	200 KVA, 11/0.4 3PH,CU wound	2	EA				
13	250 KVA, 11/0.4 3PH,Al wound	59	EA				
14	250 KVA, 11/0.4 3PH,CU wound	2	EA				
15	500 KVA, 11/0.4 3PH,CU wound	16	EA				



Sr. No.	Item Description	Quantity	UoM	Basic Unit 'Net Repair Cost' (i.e. A+B-C)*	Taxes & Duties	Total Unit 'Net Repair Cost'	Total Price
16	750 KVA, 11/0.4 3PH, CU wound	4	EA				
17	1000/990 KVA, 11/0.4 3PH, CU wound	4	EA				
18	100 KVA, 3PH, 33/0.4 KV CU wound	6	EA				
19	250 KVA, 3PH, 33/0.4 KV CU wound	2	EA				
20	500 KVA, 3PH, 33/0.4KV CU wound	2	EA				
21	750 KVA, 3PH, 33/0.4 KV CU wound	1	EA				
22	1000 KVA, 3PH, 33/0.4KV CU wound	1	EA				
<b>Total All Inclusive Value for Section-1 (Rs.)</b>							

Note- \* Material + Transport - Scrap is (A+B-C) refer Annex-I-A (a, b, c, d and e). Scrap value cannot be more than 50% of total value of new material.

### Section-2

Sr. No.	Item Description	Quantity (X)	UoM	Unit rate	Taxes & Duties	All Inclusive Unit rate (Y)	Total Price (X*Y)
1	Hiring of 1200LPM filter machine per day basis with operator	100	Day				
2	Deputation of one skilled and one semi-skilled technicians for attending DT repairs at site on per day (8 hours) basis	500	Day				
<b>Total All Inclusive Value for Section-2 (Rs.)</b>							
<b>Total All Inclusive Value for Complete BoQ (Section-1 + Section-2) (Rs.)</b>							



**Note:**

- i. The bidders are advised to quote prices strictly in the above format as mentioned above and it is mandatory to quote for both Section-1 and Section-2. Failing to do so, bids are liable for rejection.
- ii. The Net repair cost i.e. A+B-C, whereas A is cost of new materials, B is cost of transportation & labour and C is cost of scrap materials as available as **Annex-I-A (a, b, c, d and e)** of price schedule
- iii. The Bill of Material for each ratings of transformers available at as **Annex-I-A (a, b, c, d and e)** of Price schedule.
- iv. Value of Scrap will not exceed 50% of total value of new material and services or else this aspect is to be taken care of while finalizing the rates.
- v. The quantities as mentioned above are for evaluation purpose only. Actual quantities may vary as per the requirement during the contract period. Also the condition / availability of scrap material in transformer / accessories is not certain & Bidder has to apprise himself about all such conditions. No price implication will be considered after finalization of contract on these issues.
- vi. The **Economic limit** for repairing of transformer is as per Annexure-II (Technical Specification).
- vii. The bidder must fill each and every column of the above format. Mentioning “extra/inclusive” in any of the column may lead for rejection of the price bid.
- viii. No cutting/ overwriting in the prices is permissible.
- ix. The prices shall be FOR TPCODL Designated Store Locations.



**Annexure 1 –A (a) – 10 kVA and 16 kVA Transformer Price Breakup**

S.No.	Item Description	UOM	Unit price for Bill of quantity for 1 no. Transformer for each rating for evaluation purpose											
			10 KVA , 11 / 0.230 kV 1 Ph Al wound			10 KVA , 11 / 0.230 kV 1 Ph Cu wound			16 KVA , 11 / 0.230 kV 1 Ph Al wound			16 KVA , 11 / 0.230 kV 1 Ph Cu wound		
A	New Materials		Bill of Material for 1 Trf (Qty) x	Unit price with GST y	All Inclusive Price per Trf (x*y)	Bill of Material for 1 Trf (Qty) x	Unit price with GST y	All Inclusive Price per Trf (x*y*1.18)	Bill of Material for 1 Trf (Qty) x	Unit price with GST y	All Inclusive Price per Trf (x*y*1.18)	Bill of Material for 1 Trf (Qty) x	Unit price with GST y	All Inclusive Price per Trf (x*y*1.18)
1	HV leg coil complete with paper insulation only.	Kg	12			18			24			20		
2	LV leg coil complete with paper insulation only.	Kg	6			10			7			14		
3	LV ph / neutral copper / Al flats (LV termination internal)	Kg	0			0			0			0		
4	HV Bushing(11 KV) insulator	EA	2			2			2			2		
5	LV Bushing(0.433 KV) Insulator	EA	2			2			2			2		
6	Metal parts for HV Bushing(Rod, nut, bolts etc.)	EA	2			2			2			2		
7	Metal parts for LV Bushing(Rod, nut, bolts etc.)	EA	2			2			2			2		
8	Set of gaskets	Set	1			1			1			1		
9	Silica gel breather	EA	0			0			0			0		
10	Oil level gauge	EA	1			1			1			1		
11	Tapping switch with handle	EA	0			0			0			0		
12	Oil drain/Filter valve	EA	1			1			1			1		
13	Pair of Arching Horns	EA	2			2			2			2		
14	Fresh Transformer oil as per IS 335	Litre	50			50			60			60		
15	Sundry items	Set	1			1			1			1		
16	Dial type Thermometer of min.10mm with max. temp. Ind.	EA	0			0			0			0		
17	Core laminations	Kg	0			0			0			0		



S.No.	Item Description	UOM	Unit price for Bill of quantity for 1 no. Transformer for each rating for evaluation purpose											
			10 KVA , 11 / 0.230 kV 1 Ph Al wound			10 KVA , 11 / 0.230 kV 1 Ph Cu wound			16 KVA , 11 / 0.230 kV 1 Ph Al wound			16 KVA , 11 / 0.230 kV 1 Ph Cu wound		
18	LT Connectors( Palm with AL bus bars)	EA	2			2			2			2		
19	HT Connectors	EA	0			0			0			0		
20	New Radiator	Kg	0			0			0			0		
21	Conservator tank,EVP,tank top cover etc	Kg	0			0			0			0		
22	LT Cable Box	EA	0			0			0			0		
<b>TOTAL of New material (A)</b>														
<b>B</b>	<b>Transportation &amp; labor</b>													
23	Labour charges for repair/reconditioning of transformers	EA	1			1			1			1		
24	Painting charges (external & internal)	EA	1			1			1			1		
25	Freight & Insu. (From TPDDL Store to Repairer Factory)	EA	1			1			1			1		
26	Freight & Insu. (From Repairer Works to TPDDL Store)	EA	1			1			1			1		
<b>TOTAL of Transportation &amp; labor (B)</b>														
<b>C</b>	<b>Scrap Materials</b>													
27	HV & LV leg coil complete with paper insulation only.	Kg	18			28			31			34		
28	Metal parts for HV & LV Bushing(Rod,nut,bolts etc) connectors etc	Kg	0			0			0			0		
29	Old LV phase and neutral copper/ Al flats (LV termination internal)	Kg	2			2			2			2		
30	Silica gel breather	EA	0			0			0			0		
31	Core laminations	Kg	0			0			0			0		
32	Radiator	Kg	0			0			0			0		



S.No.	Item Description	UOM	Unit price for Bill of quantity for 1 no. Transformer for each rating for evaluation purpose											
			10 KVA , 11 / 0.230 kV 1 Ph Al wound			10 KVA , 11 / 0.230 kV 1 Ph Cu wound			16 KVA , 11 / 0.230 kV 1 Ph Al wound			16 KVA , 11 / 0.230 kV 1 Ph Cu wound		
33	Conservator tank,EVP,tank top cover and other iron parts	Kg	0			0			0			0		
34	Transformer oil	Ltr	35			35			42			42		
35	Tapping switch with handle	EA	0			0			0			0		
36	Dial type thermometer	EA	0			0			0			0		
<b>TOTAL of Scrap Materials (C)</b>														
<b>Total All Inclusive Unit Price, i.e., Material + Transport - Scrap (A+B-C)</b>														
<b>Quantity</b>			12			4			98			4		
<b>Total All Inclusive Value (Unit Price * Quantity)</b>														
<b>Total All Inclusive Value for complete BOQ of Annex 1A(a)</b>														





**Annexure 1 –A (b) – 25 kVA Transformer Price Breakup**

S. No	Item Description	UOM	Unit price for Bill of quantity for 1 no. Transformer for each rating for evaluation purpose											
			25 KVA, 11 / 0.230 kV 1 Ph Al wound			25 KVA, 11 / 0.230 kV 1 Ph Cu wound			25 KVA, 11 / 0.4kV 3PH, Al wound			25 KVA, 11 / 0.4kV 3PH, CU wound		
A	New Materials		Bill of Material for 1 Trf (Qty) x	Unit price with GST y	All Inclusive Price per Trf (x*y)	Bill of Material for 1 Trf (Qty) x	Unit price with GST y	All Inclusive Price per Trf (x*y)	Bill of Material for 1 Trf (Qty) x	Unit price with GST y	All Inclusive Price per Trf (x*y)	Bill of Material for 1 Trf (Qty) x	Unit price with GST y	All Inclusive Price per Trf (x*y)
1	HV leg coil complete with paper insulation only.	Kg	26			24			30			36		
2	LV leg coil complete with paper insulation only.	Kg	10			16			15			18		
3	LV ph/neutral copper/ Al flats (LV termination internal)	Kg	0			0			0			0		
4	HV Bushing(11 KV) insulator	EA	2			2			3			3		
5	LV Bushing(0.433 KV) Insulator	EA	2			2			4			4		
6	Metal parts for HV Bushing(Rod,nut,bolts etc)	EA	2			2			3			3		
7	Metal parts for LV Bushing(Rod,nut,bolts etc)	EA	2			2			4			4		
8	Set of gaskets	Set	1			1			1			1		
9	Silica gel breather	EA	0			0			1			1		
10	Oil level gauge	EA	1			1			1			1		
11	Tapping switch with handle	EA	0			0			0			0		
12	Oil drain/Filter valve	EA	1			1			2			2		
13	Pair of Arching Horns	EA	2			2			3			3		
14	Fresh Transformer oil as per IS 335	Litre	65			65			90			90		
15	Sundry items	Set	1			1			1			1		
16	Dial type Thermometer of min.10mm with max.temp. Ind.	EA	0			0			0			0		
17	Core laminations	Kg	0			0			0			0		
18	LT Connectors( Palm with AL bus bars)	EA	2			2			4			4		



S. No	Item Description	UOM	Unit price for Bill of quantity for 1 no. Transformer for each rating for evaluation purpose											
			25 KVA, 11 / 0.230 kV 1 Ph Al wound			25 KVA, 11 / 0.230 kV 1 Ph Cu wound			25 KVA, 11 / 0.4kV 3PH, Al wound			25 KVA, 11 / 0.4kV 3PH, CU wound		
19	HT Connectors	EA	0			0			3			3		
20	New Radiator	Kg	0			0			10			10		
21	Conservator tank,EVP,tank top cover etc	Kg	0			0			5			5		
22	LT Cable Box	EA	0			0			1			1		
<b>TOTAL of New material (A)</b>														
<b>B</b>	<b>Transportation &amp; labor</b>													
23	Labour charges for repair / reconditioning of transformers	EA	1			1			1			1		
24	Painting charges (external & internal)	EA	1			1			1			1		
25	Freight & Insu. (From TPDDL Store to Repairer Factory)	EA	1			1			1			1		
26	Freight & Insu. (From Repairer Works to TPDDL Store)	EA	1			1			1			1		
<b>TOTAL of Transportation &amp; labor (B)</b>														
<b>C</b>	<b>Scrap Materials</b>													
27	HV & LV leg coil complete with paper insulation only.	Kg	36			40			45			54		
28	Metal parts for HV & LV Bushing(Rod,nut,bolts etc) connectors etc	Kg	0			0			0			0		
29	Old LV phase and neutral copper/ Al flats (LV termination internal)	Kg	2			2			4.6			4.6		
30	Silica gel breather	EA	0			0			1			1		
31	Core laminations	Kg	0			0			0			0		
32	Radiator	Kg	0			0			10			10		
33	Conservator tank,EVP,tank top cover and other iron parts	Kg	0			0			5			5		
34	Transformer oil	Ltr	45.5			45.5			63			63		



S. No	Item Description	UOM	Unit price for Bill of quantity for 1 no. Transformer for each rating for evaluation purpose											
			25 KVA, 11 / 0.230 kV 1 Ph Al wound			25 KVA, 11 / 0.230 kV 1 Ph Cu wound			25 KVA, 11 / 0.4kV 3PH, Al wound			25 KVA, 11 / 0.4kV 3PH, CU wound		
35	Tapping switch with handle	EA	0			0			0			0		
36	Dial type thermometer	EA	0			0			0			0		
<b>TOTAL of Scrap Materials (C)</b>														
<b>Total All Inclusive Unit Price, i.e., Material + Transport - Scrap (A+B-C)</b>														
<b>Quantity</b>			16			4			200			4		
<b>Total All Inclusive Value (Unit Price * Quantity)</b>														
<b>Total All Inclusive Value for complete BOQ of Annex 1A(b)</b>														



**Annexure 1 –A (c) – 63 kVA, 100 kVA and 200 kVA Transformer Price Breakup**

S. No	Item Description	UOM	Unit price for Bill of quantity for 1 no. Transformer for each rating for evaluation purpose											
			63 KVA, 11 / 0.4kV 3PH, Al wound			100 KVA, 11 / 0.4kV 3PH, Al wound			200 KVA, 11 / 0.4kV 3PH, AL wound			200 KVA, 11 / 0.4kV 3PH, CU wound		
A	New Materials		Bill of Material for 1 Trf (Qty) x	Unit price with GST y	All Inclusive Price per Trf (x*y)	Bill of Material for 1 Trf (Qty) x	Unit price with GST y	All Inclusive Price per Trf (x*y)	Bill of Material for 1 Trf (Qty) x	Unit price with GST y	All Inclusive Price per Trf (x*y)	Bill of Material for 1 Trf (Qty) x	Unit price with GST y	All Inclusive Price per Trf (x*y)
1	HV leg coil complete with paper insulation only.	Kg	30			50			90			140		
2	LV leg coil complete with paper insulation only.	Kg	20			30			60			100		
3	LV ph/neutral copper/ Al flats (LV termination internal)	Kg	0			0			3			3		
4	HV Bushing(11 KV) insulator	EA	3			3			3			3		
5	LV Bushing(0.433 KV) Insulator	EA	4			4			4			4		
6	Metal parts for HV Bushing(Rod,nut,bolts etc)	EA	3			3			3			3		
7	Metal parts for LV Bushing(Rod,nut,bolts etc)	EA	4			4			4			4		
8	Set of gaskets	Set	1			1			1			1		
9	Silica gel breather	EA	1			1			1			1		
10	Oil level gauge	EA	1			1			1			1		
11	Tapping switch with handle	EA	0			0			0			0		
12	Oil drain/Filter valve	EA	2			2			2			2		
13	Pair of Arching Horns	EA	3			3			3			3		
14	Fresh Transformer oil as per IS 335	Litre	120			210			360			360		
15	Sundry items	Set	1			1			1			1		
16	Dial type Thermometer of min.10mm with max.temp. Ind.	EA	0			0			0			0		
17	Core laminations	Kg	0			0			5			5		



S. No	Item Description	UOM	Unit price for Bill of quantity for 1 no. Transformer for each rating for evaluation purpose											
			63 KVA, 11 / 0.4kV 3PH, Al wound			100 KVA, 11 / 0.4kV 3PH, Al wound			200 KVA, 11 / 0.4kV 3PH, AL wound			200 KVA, 11 / 0.4kV 3PH, CU wound		
18	LT Connectors( Palm with AL bus bars)	EA	4			4			4			4		
19	HT Connectors	EA	3			3			3			3		
20	New Radiator	Kg	10			10			15			15		
21	Conservator tank,EVP,tank top cover etc	Kg	5			5			7			7		
22	LT Cable Box	EA	1			1			1			1		
<b>TOTAL of New material (A)</b>														
<b>B</b>	<b>Transportation &amp; labor</b>													
23	Labour charges for repair/reconditioning of transformers	EA	1			1			1			1		
24	Painting charges (external & internal)	EA	1			1			1			1		
25	Freight & Insu. (From TPDDL Store to Repairer Factory)	EA	1			1			1			1		
26	Freight & Insu. (From Repairer Works to TPDDL Store)	EA	1			1			1			1		
<b>TOTAL of Transportation &amp; labor (B)</b>														
<b>C</b>	<b>Scrap Materials</b>													
27	HV & LV leg coil complete with paper insulation only.	Kg	50			80			150			240		
28	Metal parts for HV & LV Bushing(Rod,nut,bolts etc) connectors etc	Kg	0			0			3			3		
29	Old LV phase and neutral copper/ Al flats (LV termination internal)	Kg	4.6			4.6			4.6			4.6		
30	Silica gel breather	EA	1			1			1			1		
31	Core laminations	Kg	0			0			5			5		
32	Radiator	Kg	10			10			15			15		



S. No	Item Description	UOM	Unit price for Bill of quantity for 1 no. Transformer for each rating for evaluation purpose											
			63 KVA, 11 / 0.4kV 3PH, Al wound			100 KVA, 11 / 0.4kV 3PH, Al wound			200 KVA, 11 / 0.4kV 3PH, AL wound			200 KVA, 11 / 0.4kV 3PH, CU wound		
33	Conservator tank,EVP,tank top cover and other iron parts	Kg	5			5			7			7		
34	Transformer oil	Ltr	84			147			252			252		
35	Tapping switch with handle	EA	0			0			0			0		
36	Dial type thermometer	EA	0			0			0			0		
<b>TOTAL of Scrap Materials (C)</b>														
<b>Total All Inclusive Unit Price, i.e., Material + Transport - Scrap (A+B-C)</b>														
<b>Quantity</b>			150			260			4			2		
<b>Total All Inclusive Value (Unit Price * Quantity)</b>														
<b>Total All Inclusive Value for complete BOQ of Annex 1A (c)</b>														



**Annexure 1 –A (d) – 250 kVA, 500 kVA, 750 kVA and 990 kVA Transformer Price Breakup**

S N.	Item Description	U O M	Unit price for Bill of quantity for 1 no. Transformer for each rating for evaluation purpose														
			250 KVA, 11 / 0.4kV 3PH, Al wound			250 KVA, 11 / 0.4kV 3PH, CU wound			500 KVA, 11 / 0.4kV 3PH, CU wound			750 KVA, 11 / 0.4kV 3PH, CU wound			1000/990 KVA, 11 / 0.4kV 3PH, CU wound		
A	New Materials		Bill of Material for 1 Trf (Qty) x	Unit price with GST y	All Inclusive Price per Trf (x*y)	Bill of Material for 1 Trf (Qty) x	Unit price with GST y	All Inclusive Price per Trf (x*y)	Bill of Material for 1 Trf (Qty) x	Unit price with GST y	All Inclusive Price per Trf (x*y)	Bill of Material for 1 Trf (Qty) x	Unit price with GST y	All Inclusive Price per Trf (x*y)	Bill of Material for 1 Trf (Qty) x	Unit price with GST y	All Inclusive Price per Trf (x*y)
1	HV leg coil complete with paper insulation only.	Kg	120			130			240			240			388		
2	LV leg coil complete with paper insulation only.	Kg	40			100			150			150			250		
3	LV ph/neutral copper/ Al flats (LV termination internal)	Kg	4			4			5			6			7		
4	HV Bushing(11 KV) insulator	EA	3			3			3			3			3		
5	LV Bushing(0.433 KV) Insulator	EA	4			4			4			4			4		
6	Metal parts for HV Bushing(Rod,nut,bolts etc)	EA	3			3			3			3			3		
7	Metal parts for LV Bushing(Rod,nut,bolts etc)	EA	4			4			4			4			4		
8	Set of gaskets	Set	1			1			1			1			1		
9	Silica gel breather	EA	1			1			1			1			1		
10	Oil level gauge	EA	1			1			1			1			1		
11	Tapping switch with handle	EA	1			1			1			1			1		
12	Oil drain/Filter valve	EA	2			2			2			2			2		
13	Pair of Arching Horns	EA	3			3			3			3			3		
14	Fresh Transformer oil as per IS 335	Litre	430			430			560			700			900		
15	Sundry items	Set	1			1			1			1			1		
16	Dial type Thermometer of min.10mm with max.temp. Ind.	EA	0			0			1			1			1		



S N.	Item Description	U O M	Unit price for Bill of quantity for 1 no. Transformer for each rating for evaluation purpose														
			250 KVA, 11 / 0.4kV 3PH, Al wound			250 KVA, 11 / 0.4kV 3PH, CU wound			500 KVA, 11 / 0.4kV 3PH, CU wound			750 KVA, 11 / 0.4kV 3PH, CU wound			1000/990 KVA, 11 / 0.4kV 3PH, CU wound		
17	Core laminations	Kg	5			5			10			10			10		
18	LT Connectors( Palm with AL bus bars)	EA	4			4			4			4			4		
19	HT Connectors	EA	3			3			3			3			3		
20	New Radiator	Kg	15			15			50			50			50		
21	Conservator tank,EVP,tank top cover etc	Kg	7			7			10			10			10		
22	LT Cable Box	EA	1			1			1			1			1		
<b>TOTAL of New material (A)</b>																	
<b>B</b>	<b>Transportation &amp; labor</b>																
23	Labour charges for repair/reconditioning of transformers	EA	1			1			1			1			1		
24	Painting charges (external & internal)	EA	1			1			1			1			1		
25	Freight & Insu. (From TPDDL Store to Repairer Factory)	EA	1			1			1			1			1		
26	Freight & Insu. (From Repairer Works to TPDDL Store)	EA	1			1			1			1			1		
<b>TOTAL of Transportation &amp; labor (B)</b>																	
<b>C</b>	<b>Scrap Materials</b>																
27	HV & LV leg coil complete with paper insulation only.	Kg	160			230			390			390			638		
28	Metal parts for HV & LV Bushing(Rod,nut,bolts etc) connectors etc	Kg	4			4			5			6			7		
29	Old LV phase and neutral copper/ Al flats (LV termination internal)	Kg	5.15			5.15			5			11			11		
30	Silica gel breather	EA	1			1			1			1			1		
31	Core laminations	Kg	5			5			0			0			0		
32	Radiator	Kg	15			15			50			50			50		





S N.	Item Description	U O M	Unit price for Bill of quantity for 1 no. Transformer for each rating for evaluation purpose														
			250 KVA, 11 / 0.4kV 3PH, Al wound			250 KVA, 11 / 0.4kV 3PH, CU wound			500 KVA, 11 / 0.4kV 3PH, CU wound			750 KVA, 11 / 0.4kV 3PH, CU wound			1000/990 KVA, 11 / 0.4kV 3PH, CU wound		
33	Conservator tank,EVP,tank top cover and other iron parts	Kg	7			7			10			10			10		
34	Transformer oil	Ltr	301			301			392			490			630		
35	Tapping switch with handle	EA	1			1			1			1			1		
36	Dial type thermometer	EA	0			0			1			1			1		
<b>TOTAL of Scrap Materials (C)</b>																	
<b>Total All Inclusive Unit Price, i.e., Material + Transport - Scrap (A+B-C)</b>																	
<b>Quantity</b>			59			2			16			4			4		
<b>Total All Inclusive Value (Unit Price * Quantity)</b>																	
<b>Total All Inclusive Value for complete BOQ of Annexu 1A(d)</b>																	



**Annexure 1 –A (e) – 100, 220, 500 and 1000 kVA Transformer Price Breakup**

S.No.	Item Description	UOM	Unit price for Bill of quantity for 1 no. Transformer for each rating for evaluation purpose														
			100 KVA,3PH,33/0.4 KV CU wound			250 KVA,3PH,33/0.4 KVCU wound			500 KVA,3PH,33 /0.4KV CU wound			750 KVA,3PH,33/0.4 KV CU wound			1000 KVA,3PH,33 /0.4KV CU wound		
A	New Materials		Bill of Material for 1 Trf (Qty) x	Unit price with GST y	All Inclusive Price per Trf (x*y)	Bill of Material for 1 Trf (Qty) x	Unit price with GST y	All Inclusive Price per Trf (x*y)	Bill of Material for 1 Trf (Qty) x	Unit price with GST y	All Inclusive Price per Trf (x*y)	Bill of Material for 1 Trf (Qty) x	Unit price with GST y	All Inclusive Price per Trf (x*y)	Bill of Material for 1 Trf (Qty) x	Unit price with GST y	All Inclusive Price per Trf (x*y)
1	HV leg coil complete with paper insulation only.	Kg	54			140.4			322			350			419.04		
2	LV leg coil complete with paper insulation only.	Kg	32.4			108			182			230			270		
3	LV ph/neutral copper/ Al flats (LV termination internal)	Kg	0			4			5			6			7		
4	HV Bushing(11 KV) insulator	EA	3			3			3			3			3		
5	LV Bushing(0.433 KV) Insulator	EA	4			4			4			4			4		
6	Metal parts for HV Bushing(Rod,nut,bolts etc)	EA	3			3			3			3			3		
7	Metal parts for LV Bushing(Rod,nut,bolts etc)	EA	4			4			4			4			4		
8	Set of gaskets	Set	1			1			1			1			1		
9	Silica gel breather	EA	1			1			1			1			1		
10	Oil level gauge	EA	1			1			1			1			1		
11	Tapping switch with handle	EA	0			1			1			1			1		
12	Oil drain/Filter valve	EA	2			2			2			2			2		
13	Pair of Arching Horns	EA	3			3			3			3			3		
14	Fresh Transformer oil as per IS 335	Litre	226.8			464.4			604.8			756			972		
15	Sundry items	Set	1			1			1			1			1		
16	Dial type Thermometer of min.10mm with max.temp. Ind.	EA	1			1			1			1			1		



S.N o.	Item Description	UO M	Unit price for Bill of quantity for 1 no. Transformer for each rating for evaluation purpose														
			100 KVA,3PH,33/0.4 KV CU wound			250 KVA,3PH,33/0.4 KVCU wound			500 KVA,3PH,33 /0.4KV CU wound			750 KVA,3PH,33/0.4 KV CU wound			1000 KVA,3PH,33 /0.4KV CU wound		
17	Core laminations	Kg	0			0			10			10			10		
18	LT Connectors( Palm with AL bus bars)	EA	4			4			4			4			4		
19	HT Connectors	EA	3			3			3			3			3		
20	New Radiator	Kg	10			20			30			40			50		
21	Conservator tank,EVP,tank top cover etc	Kg	5			10			10			15			15		
22	LT Cable Box	EA	1			1			1			1			1		
<b>TOTAL of New material (A)</b>																	
<b>B</b>	<b>Transportation &amp; labor</b>																
23	Labour charges for repair/reconditioning of transformers	EA	1			1			1			1			1		
24	Painting charges (external & internal)	EA	1			1			1			1			1		
25	Freight & Insu. (From TPDDL Store to Repairer Factory)	EA	1			1			1			1			1		
26	Freight & Insu. (From Repairer Works to TPDDL Store)	EA	1			1			1			1			1		
<b>TOTAL of Transportation &amp; labor (B)</b>																	
<b>C</b>	<b>Scrap Materials</b>																
27	HV & LV leg coil complete with paper insulation only.	Kg	86.4			248.4			504			580			689.04		
28	Metal parts for HV & LV Bushing(Rod,nut,bolts etc) connectors etc	Kg	0			4			5			6			7		
29	Old LV phase and neutral copper/ Al flats (LV termination internal)	Kg	4.6			5.15			5			11			11		
30	Silica gel breather	EA	1			1			1			1			1		
31	Core laminations	Kg	0			0			10			10			10		
32	Radiator	Kg	10			20			30			40			50		



S.N o.	Item Description	UO M	Unit price for Bill of quantity for 1 no. Transformer for each rating for evaluation purpose														
			100 KVA,3PH,33/0.4 KV CU wound			250 KVA,3PH,33/0.4 KVCU wound			500 KVA,3PH,33 /0.4KV CU wound			750 KVA,3PH,33/0.4 KV CU wound			1000 KVA,3PH,33 /0.4KV CU wound		
33	Conservator tank,EVP,tank top cover and other iron parts	Kg	5			10			10			15			15		
34	Transformer oil	Ltr	158.76			325.08			423.36			529.2			680.4		
35	Tapping switch with handle	EA	0			1			1			1			1		
36	Dial type thermometer	EA	0			0			1			1			1		
<b>TOTAL of Scrap Materials (C)</b>																	
<b>Total All Inclusive Unit Price, i.e., Material + Transport - Scrap (A+B-C)</b>																	
<b>Quantity</b>			6			2			2			1			1		
<b>Total All Inclusive Value (Unit Price * Quantity)</b>																	
<b>Total All Inclusive Value for complete BOQ of Annex 1A (e)</b>																	



## Business Associate Registration Form Corporate Contracts

To be Filled in Block letters By Associate. Note **Annexure 1 - CSM F1** is Mandatory for Service / Composite Associate Registration

MATERIAL  SERVICE  COMPOSITE  CONSULTANT

**Category: MSME / OTHERS** ( If MSME, please provide details as mentioned in Page No-2)

Title (M/S., Mr., Mrs., Dr.,) *								
Company Name (35 Char) *								
Country code - Mobile No *								
Country Code - Tel. No *								
Country Code - Fax No								
Email ID *								
Street / House No *								
Country *			State *			District *		
City *			Pin code *			Language		
Category	General			MOEF			SC / ST	
	Related Party			MSME / SSI			OBC/Others	
<b>Bank Details (all details to be filled for enabling NEFT Transfer)-Cancelled cheque to be attached</b>								
Name of Bank *								
Bank Details ID *				PAN Number *				
Account No. *				Account Holder *				
Bank Key *				Bank Country *	INDIA			
MICR Code * (Attach Cancelled Cheque)								
IFSC Code *								
IBAN *								
Payment thro RTGS/NEFT*								
<b>Quality / Safety Systems (Mandatory for Service and Composite Associate Registration)</b>								
OHSAS 18001 Certified				Risk Management Process				
ISO 9001 Certified				ISO 14001 / EMS Certified				
<b>Declaration and Associate Authorized Signature</b>								
I / We certify that the information furnished above is correct and complete to the best of my/our knowledge and belief. If at any time, I / We are found to have concealed any material information or given any false details, my/our registration shall be liable to summary termination without notice or compensation. I / We are not related to any employee of TP Central Odisha Distribution Limited.								
Name *								
Designation *								
Email *								
Signature & Company Seal *								

**TP CENTRAL ODISHA DISTRIBUTION LIMITED**  
(A Tata Power & Odisha Govt. joint venture)  
2nd Floor, IDCO Tower, Janpath Bhubaneshwar, Odisha 751022



<b>Taxation Registration Details</b>						
GST Scheme	Normal			Composite		
GST Registration No.						
GST Classification						
GST Registration Date						
Provident Fund No.						
ESI Registration No.						
MSME / SSI Registration No.						
MSME / SSI Registration Date						
MSME / SSI Registration Valid Upto						
<b>Mandatory For SERVICE &amp; COMPOSITE (Material + Service) Associate Registration</b>						
Annexure 1 - CSM F1-'Safety Category Qualification Form	YES		NO		N / A	
OSHAS 18001 Certificate	YES		NO		N / A	
ISO 9001 Certificate	YES		NO		N / A	
ISO 14001 / EMS Certificate	YES		NO		N / A	
Safety Organization Structure	YES		NO		N / A	
Safety Training Process	YES		NO		N / A	
Safety Policy	YES		NO		N / A	
Safety Statistics	YES		NO		N / A	
Address of sites where WIP	YES		NO		N / A	
<b>Check List of Documents enclosed (To be filled by the Associate)</b>						
PAN Card Copy	YES		NO		N / A	
GST Registration Certificate	YES		NO		N / A	
Certificate of Incorporation / Partnership Deed etc	YES		NO		N / A	
Signed Conflict of Interest Declaration	YES		NO		N / A	
MSME Industry Registration (Mandatory if applicable)	YES		NO		N / A	



**Evaluation Sheet**

(To be filled by **Requisitioner** - After Checking & Verifying Page 1 to 2 and Annexure 1 - CSM F1 Form)

Whether mandatory requirements are filled/attached and verified?	YES		NO		If No, explain reason for waiver in evaluation area	
If registration is for Services also, whether CSM F1 Form has been completed? Documents attached CSM F1 - Safety Category Qualification Form	YES		NO		N / A	
OHSAS 18001/ ISO 9001 / ISO 14001 Certificate	YES		NO		N / A	
Safety Organization Structure	YES		NO		N / A	
Safety Training Process	YES		NO		N / A	
Safety Policy	YES		NO		N / A	
Safety Statistics	YES		NO		N / A	
Evaluation Process Report	YES		NO		N / A	
Company Code & Description -						

Requested By		Approved by (HOD)	
Name		Name	
Signature		Signature	
Department		Department	

**ERP Associate Company Codes**

Company Code *		Sort Key *	
Reconciliation A/C *		Check Double Invoice	
With Holding Tax Country		With Hold Tax	
Terms of Payment		Payment Methods	

**ERP Associate Purchasing Organization**

Purchasing Organization *		Order Currency *	
Schema Group *		Sales Person *	
ABC Indicator *		Terms of Payment	
Service Based Invoice		GR Based Invoice	

**ANNEXURE – 1****CSM F1 - Safety Category Qualification Form**

Type of Associate -

Service / Composite (Material + Service)

Category -

A / B / C / D (Tick any one)

Name of the Associate -

No	Safety Information	Remarks	Attachments		
<b>1</b>	<b>Organization is certified /accredited to following systems</b>				
1A	OHSAS : 18001	Yes / No	No		
1B	ISO : 14001	Yes / No	NO		
1C	ISO : 9001	Yes / No	No		
1D	Any Other	Yes / No			
<b>2</b>	<b>Safety Statistics for Last Three (03) Years</b>		Year 1 Current Year	Year 2 Last Year	Year 3 Year Before
2A	LTIFR – Lost Time Injury Frequency Rate	NIL			
2B	LTISR – Lost Time Injury Severity Rate	NIL			
<b>3</b>	Safety Training Process for your Organization	Yes / No	If "Yes", kindly attach Details / Procedures		
<b>4</b>	Safety Organization Structure of your Organization 1. Total No of Employees 2. No of Safety Professional 3. No of Engineers /Supervisor 4. No of Skilled /unskilled work men	Yes / No			
<b>5</b>	Certified /Skilled workers as a percentage of overall workforce ITI Trained, TPSDI Trained, Licensed Electrician, IBR welder, etc.	Yes / No			
<b>6</b>	Name and Address of Sites where work are in Progress or worked earlier	Details of the Site			

Name, Signature &amp; Company Seal

To be filled by the Tata Power Requestor Associate to be registered for CATEGORY

**A****B****C****D**

- 1) **Category A**- Associate eligible to carry out High risk Jobs
- 2) **Category B**- Associate eligible to carry out technical jobs that are low risk
- 3) **Category C**- Associate eligible to carry out administrative and office jobs
- 4) **Category D**- Associate eligible to carry out consultant job/other than above A, B, C category

No	Description	Category A	Category B	Category C	Category D
1	Does the Contractor have OHSAS 18001 Certificate?				
2	During site visit check for safety adequacy at site				
3	Check the safety statistics of Contractor				
4	Check the safety orientation & training process of contractor				
5	Check the organization structure for safety professionals / engineers / supervisors				
6	Certified / skill workers as a percentage overall work force				
7	Does the Contractor have ISO 9001 Certificate?				