

**MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LIMITED**  
[ CIN:U40109MH2005SGC153646 ]

**OFFICE OF THE SUPERINTENDING ENGINEER**

Central Purchase Agency,

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SP/T-0518/0824/

Date: 09.09.2024

**CORRIGENDUM-2**

**Sub:** Procurement of 400kV, 125MVA, 3- $\Phi$  Bus Reactor along with Surge Arrestor and New Uninhibited Naphthenic Based High Grade Mineral Insulating Oil required for Nagpur, Pune & Karad Zones of MSETCL against e-Tender No. SP/T-0518/0824 (RFx 5000001272)- **3<sup>rd</sup> Call**, Submission and Opening Due on 09.09.2024 [1st Call vide SP/T-0509/0324 (RFx 5000001209); 2nd Call vide SP/T-0517/0724 (RFx 5000001262)]

**Ref:** 1) Pre-Bid Meeting held on 23.08.2024 at 'Prakashganga', MSETCL, Mumbai  
2) Corrigendum/Clarifications On Pre-Bid Queries-1 Dt.26.08.2024

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Bidders are requested to note that:

1. The Clause No. 2.0 titled '**Price & Price Variation**' of **Section-III** and **Price Variation Formula** i.e. **ANNEXURE-E** of the Tender Document is Amended.
2. The **Amended Clause No. 2.0** titled '**Price & Price Variation**' of Section-III is as per **ANNEXURE-A** attached herewith.
3. The Amended Price Variation Formula titled '**ANNEXURE-E (AMENDED)**' is attached herewith.
4. The Due Date of Submission and Opening of subject Tender is Extended as under-  
Due Date of Submission: 23.09.2024 upto 16:00 Hrs  
Due Date of Opening: 23.09.2024 at 16:15 Hrs.

Bidders are requested to note aforesaid Corrigendum and submit their Bids accordingly.

This is issued without prejudice to all other Terms & Conditions of the subject e-Tender.

This Notification is published on SRM Portal viz. <https://srmetender.mahatransco.in/> and MSETCL Portal viz. <https://www.mahatransco.in/>

**Encl:** As above

*Sd/-*  
**Superintending Engineer (CPA)**

**ANNEXURE-A OF CORRIGENDUM-2****CLAUSE NO. 2 PRICES & PRICE VARIATION OF SECTION-III:**

ORIGINAL CLAUSE	AMENDED CLAUSE
<p>(a) The Tenderers are requested to Quote Prices for 400KV, 125MVA<sub>r</sub>, 3-Φ Bus Reactor along with Surge Arrestor and New Uninhibited Naphthenic Based High Grade Mineral Insulating Oil as per the Technical Specification (Annexure 'D').</p> <p>(b) The Tenderers are requested to Quote these Prices on Variable Price Basis in accordance to the Price Variation Formula enclosed i.e. Annexure-E. The Price Variation shall be calculated on the basis of Price Variation Formula i.e. Annexure-E and Monthly Indices Published by the Indian Electrical &amp; Electronics Manufacturer's Association (IEEMA). The Prices Quoted shall be on Free Delivery by Road Transport to our various Stores /Sites anywhere in State of Maharashtra.</p> <p>(c) The Price Variation shall be payable only if the Ordered 400KV, 125MVA<sub>r</sub>, 3-Φ Bus Reactor along with Surge Arrestor &amp; New Uninhibited Naphthenic Based High Grade Mineral Insulating Oil in all respects are supplied by the Manufacturer within the Contractual Period or within Extended Time Period approved by the Competent Authority of MSETCL, if any.</p> <p>(d) The Price Variation shall be calculated from Date of Placement of Order (Letter of Award) or Four (04) Months after Published Date of Opening (Including Extension, if any) of Techno-Commercial Bid of Tender whichever is earlier.</p> <p>(e) A Ceiling / Capping of Twenty Percent (20%) on Positive Price Variation and no Ceiling / Capping on Negative Price Variation shall be applicable for the purpose of Payment of Price Variation as above.</p>	<p>(a) The Tenderers are requested to Quote Prices for 400KV, 125MVA<sub>r</sub>, 3-Φ Bus Reactor along with Surge Arrestor and New Uninhibited Naphthenic Based High Grade Mineral Insulating Oil as per the Technical Specification (Annexure 'D').</p> <p>(b) The Tenderers are requested to Quote these Prices on Variable Price Basis in accordance to the Price Variation Formula enclosed i.e. <b>Annexure-E (Amended)</b>. The Prices Quoted shall be on Free Delivery by Road Transport to our various Stores /Sites anywhere in State of Maharashtra.</p> <p>(c) A Ceiling / Capping of Twenty Percent (20%) on Positive Price Variation and no Ceiling / Capping on Negative Price Variation shall be applicable for the purpose of Payment of Price Variation as below.</p> <p>i) The Price Variation shall be calculated from the <b>date of opening of Techno-Commercial bid</b> of the tender.</p> <p><b>Note-</b></p> <p>a) For computation of PV the <b>'date of opening'</b> referred above / in IEEMA PV Circular <b>shall be the 'published' date (including extension, if any)</b> of opening of Techno-Commercial bid of the tender till which time the bidder had the option to modify his quoted price and not the 'actual' date on which the Techno-Commercial bid of the tender is opened.</p> <p>ii) The Price Variation shall be calculated as per IEEMA PV Formula and monthly indices published by IEEMA.</p> <p>iii) For supplies effected / works completed <b>within the contractual period</b>, the Price Variation will be payable as per above clauses.</p>

Original Clause	Amended Clause
	<p>iv) In case of contract / Order completed / executed beyond <b>the contractual period</b>, the Price Variation will be <b>payable for the supplies effected / works completed within the contractual period</b>. For <b>balance supplies</b> effected / works completed <b>after the contractual period</b>, Price Variation will be payable as per above clauses, only for the <b>extended time period approved by the Competent Authority</b>.</p> <p><b>Note-</b></p> <p>a) The MSETCL shall not be liable for any additional cost incurred by the Contractor on account of price variation for supplies effected / completion of works <b>beyond the original contract period</b>, on account of <b>default by Contractor</b>. However, in such case, if PV calculated for this period is <b>negative</b> then same will be <b>deducted / recoverable</b> from agency.</p> <p>b) PV shall be payable beyond the original contract period, if <b>time extension is granted</b> as per provisions of GTC Clause <b>due to force majeure conditions or due to delay/defaults on account of MSETCL</b>, subject to the conditions that same has been considered by competent authority based on the documentary evidence furnished for granting Time Limit Extension with PV and subsequently a Time Limit Extension Letter is issued with PV by MSETCL.</p> <p>c) The ‘date of delivery’ shall be the date on which the equipment / material is notified as being ready for inspection / dispatch or the contracted delivery date whichever is earlier whenever supplies are effected within contractual delivery period. In case the supplies are effected after the contractual delivery period, the date of the delivery for Price Variation purpose would be one out of the two on which the price variation is less.</p>

**ANNEXURE-E (AMENDED)**

**Read with all the Stipulations of Clause No. 2.0 of Section-III of Tender Amended vide ANNEXURE-A OF CORRIGENDUM-2 Dt.09.09.2024**

**PRICE VARIATION CLAUSE FOR POWER TRANSFORMERS  
AND REACTORS COMPLETE WITH ALL ACCESSORIES AND  
COMPONENTS OF VOLTAGE ABOVE 33 KV AND UP TO 400kV  
SUPPLIED AGAINST DOMESTIC CONTRACTS**

This price variation clause is applicable for Transformers and Reactors of voltage above 33 kV and up to 400 KV supplied against domestic contracts. A separate price variation clause IEEMA/PVC/PWR TRF\_Up to 400 KV/DE/2021 has been evolved for above types of Transformers and Reactors supplied against export/deemed export contracts.

The price quoted/confirmed is based on the input cost of raw materials/components and labour cost as on the date of quotation and the same is deemed to be related to prices of raw materials and all India average consumer price index number for industrial workers as specified in the price variation clause given below. In case of any variation in these prices and index numbers, the price payable shall be subject to adjustment, up or down in accordance with the following formula:

$$P = \frac{P_0}{100} \left[ 6 + 32 \frac{C}{C_0} + 27 \frac{ES}{ES_0} + 12 \frac{IS}{IS_0} + 4 \frac{IM}{IM_0} + 9 \frac{TO}{TO_0} + 10 \frac{W}{W_0} \right]$$

Wherein,

P = Price payable as adjusted in accordance with the above formula.

P<sub>0</sub> = Price quoted/confirmed.

C<sub>0</sub> = Price of CC copper rods (refer notes)  
This price is as applicable for the month, **ONE** month prior to the date of tendering.

ES<sub>0</sub> = Price of CRGO Electrical Steel Lamination (refer note)  
This price is as applicable for the month, **ONE** months prior to the date of tendering.

IS<sub>0</sub> = Average price of steel Plates 10 mm thick (refer notes)  
This price is as applicable for the month, **ONE** month prior to the date of tendering.

IM<sub>0</sub> = Price of Insulating Materials (refer notes)  
This price is as applicable for the month, **ONE** months prior to the date of tendering.

TO<sub>0</sub> = Price of Transformer Oil (refer notes)  
This price is as applicable for the month, **ONE** month prior to the date of tendering.

W<sub>0</sub> = All India average consumer price index number for industrial workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India (Base: 2016 = 100)

This index number is as applicable for the month, **THREE** months prior to the date of tendering.

For example, if date of tendering falls in December 2021, applicable prices of Copper Rods (C0), Steel Plates 10 mm thick (IS0), CRGO Electrical Steel Laminations (ES0) and Insulating material (IM0) and Transformer Oil (TO0) should be as on 1<sup>st</sup> November 2021 and all India average consumer price index no. (W0) should be for the month of 1<sup>st</sup> September 2021.

The above prices and indices are as published by IEEMA vide circular reference number IEEMA(PVC)/PWR\_DIST\_TRF (R-1)/\_/\_ONE month prior to the date of tendering.

- C = Price of CC copper rods (refer notes)  
This price is as applicable for the month, TWO months prior to the date of delivery.
- ES = Price of CRGO Electrical Steel Lamination (refer note)  
This price is as applicable for the month, TWO months prior to the date of delivery.
- IS = Average price of Steel Plates 10 mm thick (refer notes)  
This price is as applicable for the month, TWO months prior to the date of delivery.
- IM = Price of Insulating Materials (refer notes)  
This price is as applicable for the month, TWO months prior to the date of delivery.
- TO = Price of Transformer Oil (refer notes)  
This price is as applicable for the month, ONE month prior to the date of delivery.
- W = All India average consumer price index number for industrial workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India (Base: 2016 = 100)  
This index number is as applicable for the month, THREE months prior to the date of delivery.

For example, if date of delivery in terms of clause given below falls in December 2022, applicable prices of Copper Rods (C), Insulating material (IM), CRGO Electrical Steel Lamination (ES), Plates 10 mm thick (IS) should be as on 1<sup>st</sup> October 2022 and Transformer Oil (TO) should be 1<sup>st</sup> November 2022 and all India average consumer price index no. (W) should be for the month of September 2022.

A Ceiling / Capping of Twenty Percent (20%) on Positive Price Variation and no Ceiling / Capping on Negative Price Variation shall be applicable for the purpose of Payment of Price Variation as below:

- i) The Price Variation shall be calculated from the **date of opening of Techno-Commercial bid** of the tender.

**Note-**

- a) For computation of PV the **'date of opening'** referred above / in IEEMA PV Circular **shall be the 'published' date (including extension, if any)** of opening of Techno-Commercial bid of the tender till which time the bidder had the option to modify his quoted price and not the 'actual' date on which the Techno-Commercial bid of the tender is opened.
- ii) The Price Variation shall be calculated as per IEEMA PV Formula and monthly indices published by IEEMA.
- iii) For supplies effected / works completed **within the contractual period**, the Price Variation will be payable as per above clauses.
- iv) In case of contract / Order completed / executed beyond **the contractual period**, the Price Variation will be **payable for the supplies effected / works completed within the contractual period**. For **balance supplies** effected / works completed **after the contractual period**, Price Variation will be payable as per above clauses, only for the **extended time period approved by the Competent Authority**.

**Note-**

- a) The MSETCL shall not be liable for any additional cost incurred by the Contractor on account of price variation for supplies effected / completion of works **beyond the original contract period**, on account of **default by Contractor**. However, in such case, if PV calculated for this period is **negative** then same will be **deducted / recoverable** from agency.
- b) PV shall be payable beyond the original contract period, if **time extension is granted** as per provisions of GTC Clause **due to force majeure conditions or due to delay/defaults on account of MSETCL**, subject to the conditions that same has been considered by competent authority based on the documentary evidence furnished for granting Time Limit Extension with PV and subsequently a Time Limit Extension Letter is issued with PV by MSETCL.
- c) The 'date of delivery' shall be the date on which the equipment / material is notified as being ready for inspection / dispatch or the contracted delivery date whichever is earlier whenever supplies are effected within contractual delivery period. In case the supplies are effected after the contractual delivery period, the date of the delivery for Price Variation purpose would be one out of the two on which the price variation is less.

**NOTE:** All prices are exclusive of GST and exclusive of any other central, state or local taxes etc.

a) The details of prices are as under:

1. Price of 8 mm CC copper rod (in Rs/MT) is ex-works price as quoted by the primary producer.
2. The price of CRGO is the price of CRGO Electrical Steel Lamination in Rs./MT suitable for Transformers of voltage above 33 kV and up to 400 kV
3. Price of Steel is the average retail price of steel plates 10 mm thick as published by Joint Plant Committee (JPC) in Rs./MT
4. The price of Insulating materials (in Rs./Kg) of pre-compressed pressboards of size 10 mm thick, 3200 mm x 4100 mm is the average C&F price in free currency per MT converted into Indian Rupees with applicable exchange rates prevailing as on 1<sup>st</sup> working day of the month as quoted by primary suppliers. This price is the landed cost, inclusive of applicable customs duty only but exclusive of countervailing duty.
5. The price of Transformer Oil (in Rs./K.Ltr) is the average price on ex-refinery basis as quoted by primary producers for supply in drums.

**MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LIMITED**

**CIN No.U40109MH2005SGC153646**

Central Purchase Agency, Prakashgad, 1<sup>st</sup> Floor, Bandra (East), Mumbai-51.

**CORRIGENDUM NO. 2**

Tender under Two Bid System on MSETCL's e-Tendering System  
<https://srmetender.mahatransco.in> is invited for supply of following:

<b>Tender No. / Tender Title</b>		<b>Estimated Amount in ₹ Lakhs</b>	<b>Extended Due Date &amp; Time (Hrs.) for Submission &amp; Opening of Tender</b>
<b><u>SP/T-0518/0824</u> [RFx:5000001272] 3<sup>rd</sup> Call</b>	Procurement of 400kV, 125MVAR, 3-Φ Bus Reactor along with Surge Arrestor and New Uninhibited Naphthenic Based High Grade Mineral Insulating Oil required for Nagpur, Pune & Karad Zones of MSETCL	<b>Tender Fee in ₹</b>	
		<b>3773.09</b>	23.09.2024 upto 16:00 Hrs
		<b>25,000.00</b>	23.09.2024 at 16:15 Hrs.
<b><u>CORRIGENDUM NO.2</u> Dt.09.09.2024</b>	<p><b>Corrigendum on Price Variation Clause and Formula is published on SRM Portal viz. <a href="https://srmetender.mahatransco.in/">https://srmetender.mahatransco.in/</a> and MSETCL Portal viz. <a href="https://www.mahatransco.in/">https://www.mahatransco.in/</a></b></p> <p><b>The Due Date of Submission is extended upto 23.09.2024 (16:00 Hrs).</b></p> <p><b>Bidders are requested to refer the same and submit their Bids accordingly.</b></p>		
Contact Person : Executive Engineer (Gr.-V)		Tel. No. 022-69852717/2740 e-Mail: <a href="mailto:ceom@mahatransco.in">ceom@mahatransco.in</a> <a href="mailto:secpa@mahatransco.in">secpa@mahatransco.in</a> <a href="mailto:eegrp5@mahatransco.in">eegrp5@mahatransco.in</a>	
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