



501, Kakad Chambers
132, Dr. Annie Besant Road, Worli
Mumbai 400018
India

P: +91 22 2493 0532
F: +91 22 2493 2705
E: mumbai@ieema.org
www.ieema.org

Cir. No.: 66/DIV/T&D P/05

Date: 20 May 2014

To all members of IEEMA T&D Projects Division
SEBs, Utilities and other listed purchasing organizations

Sub: 1. Discontinuation of PV circulars for Transmission Line Towers (TLT) and Transmission Line Accessories & Hardware (TLA&H) giving JPC Market prices of steel Billets & Blooms
2. Revision in IEEMA PV clauses for TLT and TLA&H giving JPC RETAIL prices of Steel Billets & Blooms

IEEMA had publishing prices of Steel Billets and Blooms based on prices published by Joint Plant Commission (JPC), Kolkata in their circular titled 'JPC Indicative Market Prices' till April 2014 for using the revised Price Variation Clauses for TLT and TLA&H; both effective from 1st July 2010

However, from 1st April 2014, JPC has started publishing a different price circular titled "JPC Prices (Retail)" which is on the different basis of working of prices.

IEEMA has therefore decided to revise the PV formulae for TLT and TLA&H incorporating the above 'Retail' prices with different nomenclature effective from 1st April 2014. Both the PV formulae are enclosed along with April 2014 PV circular giving 'Retail' prices of Steel Billets and Blooms.

We request and recommend all the users & stakeholders including Utilities, PSUs etc. to incorporate these new PV formulae in all the new tenders/contracts requiring base prices/Indices of April 2014.

For contracts that will remain still pending which will require prices/Indices beyond April 2014, to arrive at the final price variation, we recommend using the following two stage method, which is a standard methodology adopted by IEEMA for change over in all IEEMA PV clauses.

1. Calculate price variation 'P' from prices/Indices of your base date applicable as per IEEMA PV clause effective from 1st July 2010 up to April 2014 (i.e. by taking April 2014 prices/indices at the numerator) applicable for the same PV clause.
2. Treat the above calculated 'P' as 'P₀' and calculate final price variation considering April 2014 as base prices/Indices as per new IEEMA PV clause; effective from 1st April 2014 (i.e. by taking April 2014 prices/indices at the denominator) up to the prices/indices of your date of delivery as per this new IEEMA PV clause.


Deputy Director General

Encl.: as above

New Delhi
Rishyamook Building, First Floor
85 A, Panchsheel Road
New Delhi 110001, India
P: +91 11 2336 3013/14
F: +91 11 2336 3015
E: delhi@ieema.org

Bangalore
204, Swiss Complex
33, Race Course Road
Bangalore 560001, India
P: +91 80 2220 1316/18
F: +91 80 2220 1317
E: bangalore@ieema.org

Kolkata
503 A, Oswal Chambers
2, Church Lane
Kolkata 700001, India
P: +91 33 6510 7855
F: +91 33 2213 1326
E: kolkata@ieema.org

PRICE VARIATION CLAUSE FOR TRANSMISSION LINE TOWERS

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:

(A) Transmission Line Tower with both Heavy and Light angles

$$P = \frac{P_0}{100} \left(11 + 32 \frac{SBLR}{SBLR_0} + 25 \frac{SBIR}{SBIR_0} + 09 \frac{Zn}{Zn_0} + 23 \frac{W}{W_0} \right)$$

(B) Transmission Line Tower with only Heavy angles

$$P = \frac{P_0}{100} \left(11 + 57 \frac{SBLR}{SBLR_0} + 09 \frac{Zn}{Zn_0} + 23 \frac{W}{W_0} \right)$$

(C) Transmission Line Tower with only Light angles

$$P = \frac{P_0}{100} \left(11 + 57 \frac{SBIR}{SBIR_0} + 09 \frac{Zn}{Zn_0} + 23 \frac{W}{W_0} \right)$$

Wherein,

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

P₀ = Price quoted/confirmed.

SBLR₀ = Price of Steel Blooms- Retail (refer notes)

This price is as applicable on the 1st working day of the month, one month prior to the date of tendering.

SBIR₀ = Price of Steel Billets- Retail (refer notes)

This price is as applicable on the 1st working day of the month, one month prior to the date of tendering.

Zn_0 = Price of Electrolytic high grade zinc (refer notes)

This price is as applicable on the 1st working day of the month, one month prior to the date of tendering.

W_0 = All India average consumer price index number for industrial workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India (Base: 2001 = 100) (Refer notes)

This index number is as applicable on the first working day of the month, three months prior to the date of tendering.

For example, if date of tendering falls in May 2014, the applicable prices of Steel Bloom-Retail (SBLR₀), Steel Billets-Retail (SBIR₀) and Zinc (Zn₀) should be for the month April 2014 and all India average consumer price index number (W₀) should be for the month of February 2014.

The above prices and indices are as published by IEEMA vide circular reference number IEEMA (PVC)/TLT-2014/_/_ one month prior to the date of tendering.

SBLR = Price of Steel Bloom-Retail (refer notes)

This price is as applicable on the 1st working day of the month, two months prior to the date of delivery.

SBIR = Price of Steel Billets-Retail (refer notes)

This price is as applicable on the 1st working day of the month, two months prior to the date of delivery.

Zn = Price of Electrolytic high grade zinc (refer notes)

This price is as applicable on the 1st working day of the month, two months 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: 2001 = 100) (refer notes)

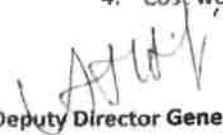
This index number is as applicable on the first working day of the month, four months prior to the date of delivery.

For example, if date of delivery falls in December 2014, the applicable prices of Steel Bloom-Retail (SBLR), Steel Billets-Retail (SBIR) and Zinc (Zn) should be for the month October 2014 and all India average consumer price index number (W) should be for the month of August 2014.

The date of delivery is the date on which Transmission line towers are notified as being ready for inspection/dispatch (in the absence of such notification, the date of manufacturer's dispatch note is to be considered as the date of delivery) or the contracted delivery date (including any agreed extension thereto), whichever is earlier.

Notes: (a) All prices of raw materials are exclusive of modvatable excise/CV duty amount and exclusive of any other central, state or local taxes; octroi etc.
(b) All prices are as on first working day of the month.
(c) The details of prices are as under:

1. The prices of Steel Bloom-Retail are the average Retail price of Blooms of size 150 x 150 mm of all cities in Rs/MT; as published by Joint Plant Committee (JPC), Kolkata. **Heavy angles of size above 110mm x 110mm are deemed to be related to this price.**
2. The prices of Steel Billet-Retail are the average Retail price of Billets of size 100 mm of all cities in Rs/MT; as published by Joint Plant Committee (JPC), Kolkata. **Light angles of size below & including 110mm x 110mm are deemed to be related to this price.**
3. The price of Electrolytic high grade zinc (in Rs/MT) is ex-works price as quoted by a primary producer.
4. Cost weightage of re-rolling/conversion charges is included in Labour cost weightage (W)


Deputy Director General



501, Kakad Chambers
132, Dr. A. B. Road, Worli,
Mumbai 400 018
India
P +91 22 2493 0532
F +91 22 2493 2705
E mumbai@ieema.org
W www.ieema.org

Cir. No:103/DIV/Conductor/05

May 15, 2012

To all members of Conductors committee
SEBs, DISCOMs and other listed purchasing organizations

Sub: Price Variation Clause for 'Aluminium Conductors'

IEEMA has circulated 'Draft' Price Variation Clause for 'Aluminium Conductors' vide Cir. No. 077/DIV/Conductor/05 dated April 02, 2012 to all listed users for their review and comments.

The salient features of the proposed 'Draft' price variation clause are as under.

1. PV formulae for each type of conductor are based on weight basis. The weight of raw materials like Aluminium and Steel per KM in each type of Conductor has been adopted as per BIS standard norms (IS:398). The same is presented vide Annexure -A
2. Aluminium Ingot or Rod price to be considered for price variation as per the contract.
3. Two different PV formulae have been proposed for 'Excise duty units' and 'Excise duty exempted units'. Price of raw materials would be different for these two PV formulae.
4. For the first time, the concept of taking the raw material prices 30 days prior to the date of tender opening and date of delivery has been introduced. For which, monthly price circular will contain various revisions in prices of specific raw materials.

Since there were no adverse comments received so far, we are making this new PV clause effective and operational from 1st April 2012 after incorporating few additional weight factors for different types of Conductors.

We are enclosing the new PV clause for Conductors and applicable monthly PV circular for April 2012.

We request you to incorporate this new PV clause in all your contracts/tenders/orders finalized on or after 1st April 2012.

The 'Average of the month' price is published to settle old pending contracts which are using earlier IEEMA PV circular for Conductors giving average monthly prices for Aluminium. This price will be published till April 2013 and discontinuation of the same will be reviewed later.


Assistant Director

Encl: as above

Delhi Rishyamook Building, First Floor, 85 A, Panchsheel Road New Delhi 110001 P +91 11 2336 3013 / 14 F +91 11 2336 3015 E delhi@ieema.org W www.ieema.org	Bangalore 204, Swiss Consulate Conductor PVC Circulars, 2nd Floor, 33, Race Course Road Bangalore 560001, India P +91 80 2220 1316/18 F +91 80 2220 1317 E bangalore@ieema.org W www.ieema.org	Kolkata 501, Swiss Consulate Conductor PVC Circulars, 2nd Floor, 2, Church Lane Kolkata 700001, India P +91 33 6510 7855 F +91 33 2213 1326 E kolkata@ieema.org W www.ieema.org
---	--	---

Indian Electrical & Electronics Manufacturer's Association

IEEMA(PVC)/CONDUCTOR/2012

Effective from: 1st April 2012

MATERIAL PRICE VARIATION CLAUSE FOR AAC/AAAC/ACSR CONDUCTORS

The price quoted/confirmed for Aluminium Conductor is based on the input cost of raw materials as on the date of quotation. It is deemed to be related to the prices of raw materials, as specified in the price variation clauses given below. In case of any variation in these prices, the prices payable shall be subject to adjustment up or down in accordance with the following formulae.

For Excise duty units

1. AAC/AAAC Conductors

$$P = P_o + WA (AL - ALo)$$

2. ACSR Conductors

$$P = P_o + WA (AL - ALo) + WF (FE - FE_o)$$

For Excise duty exempted units

1. AAC/AAAC Conductors

$$P = P_o + WA (AL_e - ALo_e)$$

2. ACSR Conductors

$$P = P_o + WA (AL_e - ALo_e) + WF (FE_e - FE_o)$$

Wherein,

P = Ex-works price payable in Rs. per km as adjusted in accordance with the price variation clause

P_o = Ex-works price quoted/confirmed in Rs. per km.

WA = Weight of Aluminium in AAC/AAAC/ACSR Conductor in MT per Km. as per the type of conductor (Refer the enclosed annexure – A giving this factor for various types of conductors)

ALo = Price of EC Grade Aluminium Ingot/Rod (as per contract) exclusive of excise duty in Rs./MT for AAC/ACSR Conductor
Or Price of Aluminium alloy Rod in exclusive of excise duty Rs./MT for AAAC Conductor
This price is applicable prevailing as on 30 days prior to the date of tender opening.

ALo_e = Price of EC Grade Aluminium Ingot/Rod (as per contract) inclusive of excise duty in Rs./MT for AAC/ACSR Conductor
Or Price of Aluminium alloy Rod inclusive of excise duty in Rs./MT for AAAC Conductor
This price is applicable prevailing as on 30 days prior to the date of tender opening.

WF = Weight of Steel Content in ACSR Conductor in MT per Km. as per the type of conductor
Refer the enclosed annexure – A giving this factor for various types of conductors

FEo = Price (exclusive of excise duty) of High Tensile Galvanized Steel Wire in Rs./MT of appropriate size
This price is applicable prevailing as on 30 days prior to the date of tender opening.

FEo_e = Price (inclusive of excise duty) of High Tensile Galvanized Steel Wire in Rs./MT of appropriate size
This price is applicable prevailing as on 30 days prior to the date of tender opening.

85 A, Panchkula Road
New Delhi 110001

P +91 11 2336 3013 / 14

F +91 11 2336 3015

E delhi@ieema.org

W www.ieema.org

33, Race Course Road
Bangalore 560001, India

P +91 80 2220 1316/18

F +91 80 2220 1317

E bangalore@ieema.org

W www.ieema.org

2, Orchi Lane
Kolkata 700001, India

P +91 33 6510 7855

F +91 33 2213 1326

E kolkata@ieema.org

W www.ieema.org

Indian Electrical & Electronics Manufacturer's Association

IEEMA(PVC)/CONDUCTOR/2012

Effective from: 1st April 2012

For example, if tender is opened on 31st May 2008, the applicable raw material prices (ALo and FEO) would be those, prevailing as on the 1st day of May 2008.

AL = Price of EC Grade Aluminium Ingot/Rod (as per contract) exclusive of excise duty in Rs./MT for AAC/ACSR Conductor
Or Price of Aluminium alloy Rod in exclusive of excise duty Rs./MT for AAAC Conductor
This price is applicable prevailing as on 30 days prior to the date of delivery.

AL_e = Price of EC Grade Aluminium Ingot/Rod (as per contract) inclusive of excise duty in Rs./MT for AAC/ACSR Conductor
Or Price of Aluminium alloy Rod inclusive of excise duty in Rs./MT for AAAC Conductor
This price is applicable prevailing as on 30 days prior to the date of delivery.

FE = Price (exclusive of excise duty) of High Tensile Galvanized Steel Wire in Rs./MT of appropriate size
This price is applicable prevailing as on 30 days prior to the date of delivery.

FE_e = Price (inclusive of excise duty) of High Tensile Galvanized Steel Wire in Rs./MT of appropriate size
This price is applicable prevailing as on 30 days prior to the date of delivery.

For example, if the date of delivery is 31st December 2008, the applicable raw material prices (AL and FE) would be those prevailing as on the 1st day of December 2008.

The above prices and indices are as published by IEEMA vide circular reference IEEMA(PVC)/AI.Conductor/-

The date of delivery is the date on which the Conductor is notified as being ready for inspection/dispatch (in the absence of such notification, the date of manufacturer's dispatch note is to be considered as the date of delivery) or the contracted delivery date (including any agreed extension thereto), whichever is earlier.

Notes:

1. All prices of raw materials applicable to excise duty units are exclusive of modvatable excise/CV duty amount and exclusive of any other central, state or local taxes, octroi etc.
2. All prices of raw materials applicable to excise duty exemption units are inclusive of excise duty (but exclusive of any other central, state or local taxes, octroi etc.) since they are unable to utilize the modvat credit on their input raw materials. However, such units need to provide necessary documentary evidences such as copies of invoices to prove the above situation.
3. The price of EC grade Aluminium Ingot/rod and Aluminium Alloy rod (in Rs./MT) is the average of price as announced by primary producers. Monthly price circular will contain various revisions in prices of Aluminium during the month as announced by the primary producers.
4. The price of High tensile Galvanized Steel Wire (in Rs./MT) for different sizes in mm is the price as quoted by a primary producer; which is normally valid for the entire month. Further revisions in prices; if any; as quoted by the primary producer will also be published.

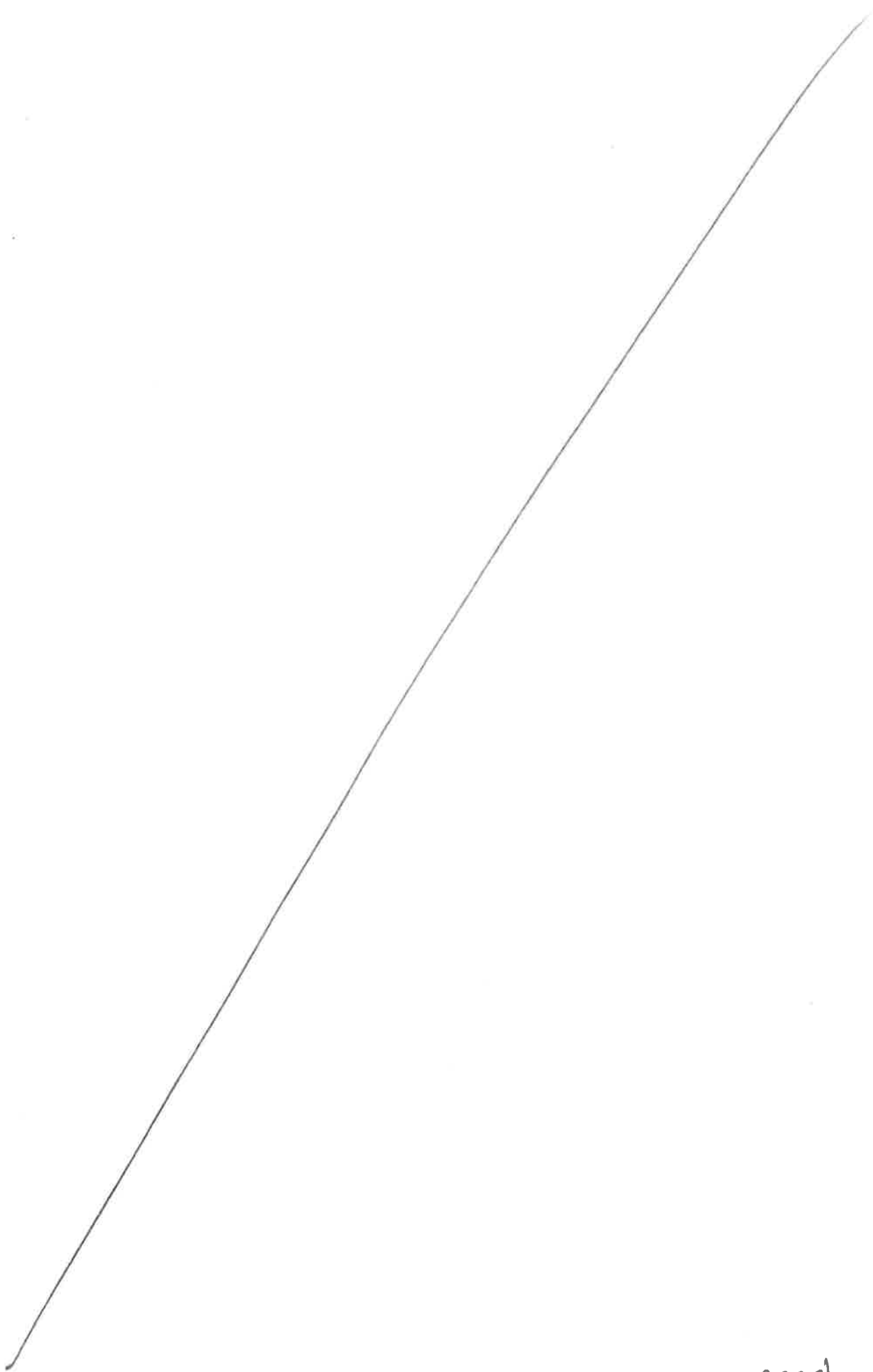
Authorised Signatory

Delhi
Rishyamook Building, First Floor
85 A, Panchsulan Road
New Delhi 110001
P +91 11 2336 3013 / 14
F +91 11 2336 3015
E delhi@ieema.org
W www.ieema.org

Bangalore
204, Swiss Complex
33, Race Course Road
Bangalore 560001, India
P +91 80 2220 1316/18
F +91 80 2220 1317
E bangalore@ieema.org
W www.ieema.org

Kolkata
503 A, Oswal Chambers
7, Chuckerbarty Road
Kolkata 700001, India
P +91 33 6510 7855
F +91 33 2213 1326
E kolkata@ieema.org
W www.ieema.org

Indian Electrical & Electronics Manufacturer's Association





501, Kakad Chambers
132, Dr. A. B. Road, Worli,
Mumbai 400 018
India
P +91 22 2493 0532
F +91 22 2493 2705
E mumbai@ieema.org
W www.ieema.org

Cir.No.: 10/DIV/INSU/05

16th January 2013

To all members of Insulator division, SEBs & Utilities and Listed Purchasing organizations

Sub: New PV clause for 'Composite Insulators'

Members of IEEMA Insulator division had decided to evolve a new PV clause for 'Composite Insulators' as there are more & more tenders are coming up for this product.

IEEMA has collected costing data from major manufacturers of Composite Insulators and arrived at the Draft Price Variation Clause for the same in consultation with members of IEEMA Insulator division. The same was circulated to all stakeholders vide Cir.No.: 227/DIV/INSU/05 dated 14th November 2012.

Salient features of this proposed Draft PV clause are that sources of most of the raw materials are linked to respective Wholesale Price Index Numbers published by Economic Advisor, Ministry of Commerce & Industry and variation in 'Exchange Rate' is also represented by bank exchange rate of 4 currencies (appropriate currency can be selected in mutual agreement between Buyer & Supplier)

Since no adverse comments are received, we are making this proposed PV clause operational effective on 1st January 2013*. We recommend incorporating this new PV clause in the forthcoming tenders/contracts.

* Please note, the accompanying circular will be issued only after 14th February 2013 on receipt of WPIs of November 2012 from Govt. of India


Assistant Director

Encl: as above

Delhi
Rishyamook Building, First Floor
85 A, Panchsheel Road
New Delhi 110001
P +91 11 2336 3013 / 14
F +91 11 2336 3015
E delhi@ieema.org
W www.ieema.org

Bangalore
204, Swiss Complex
33, Race Course Road
Bangalore 560001, India
P +91 80 2220 1316/18
F +91 80 2220 1317
E bangalore@ieema.org
W www.ieema.org

Kolkata
503 A, Oswal Chambers
2, Church Lane
Kolkata 700001, India
P +91 33 6510 7855
F +91 33 2213 1326
E kolkata@ieema.org
W www.ieema.org

Indian Electrical & Electronics Manufacturer's Association

IEEMA/PVC/INSLR/2013

Effective from 1st January 2013

PRICE VARIATION CLAUSE FOR COMPOSITE INSULATORS

The price quoted/confirmed is based on the cost of raw material and labour cost as on the date of quotation and the same is deemed to be related to the prices of raw material 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 index numbers, the price payable shall be subject to adjustment up or down in accordance with the following formula:

$$P = \frac{P_0}{100} \left[14 + 4 \frac{Zn}{Zn_0} + 8 \frac{Al}{Al_0} + 6 \frac{I}{I_0} + 37 \frac{R}{R_0} + 8 \frac{F}{F_0} + 8 \frac{FP}{FP_0} + 5 \frac{FE}{FE_0} + 10 \frac{W}{W_0} \right]$$

Wherein,

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

P₀ = Price quoted/confirmed.

Zn₀ = Price of electrolytic high grade zinc (refer notes).

This price is as applicable on the first working day of the month, **ONE** month prior to the date of tendering.

Al₀ = Price of EC Grade Aluminium rod (Properzi rods) (refer notes).

This price is as applicable on the first working day of the month, **ONE** month prior to the date of tendering.

I₀ = Wholesale Price Index number for Pig Iron (Base : 2004-05 = 100) (refer notes).

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

R₀ = Wholesale Price Index number for Rubber (Polymers including synthetic rubber) (Base: 2004-05 = 100)

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

F₀ = Wholesale Price Index number for Fibre Glass & Glass sheet (Base: 2004-05 = 100) (refer notes).

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

FP₀ = Wholesale price index number for Fuel & Power (Base: 2004-05=100) (refer notes)

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

FE₀ = IEEMA's Banker's selling rate of exchange between foreign currencies prevailing as on first working day

This exchange rate is as applicable **ONE** month prior to the date of tendering (refer notes)

W₀ = All India average consumer price index number for industrial workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India (Base: 2001 = 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 March 2013, the applicable Prices of electrolytic high grade zinc (Zn₀) and Prices of EC Grade Aluminium rods (Al₀) to be considered for the month of February 2013 whereas wholesale price index numbers for Pig Iron (I₀), Rubber (R₀), Fibre Glass & Glass Sheet (F₀), Fuel Power (FP₀) and all India average consumer price index number (W₀) to be considered for the month of December 2012 and IEEMA's Banker's selling rate of exchange between foreign currency (FE₀) to be considered for the month February 2013.

Delhi
Rishyannok Building, First Floor,
85 A, Panchsukh Road
New Delhi 110001
P +91 11 2336 3013 / 14
F +91 11 2336 3015
E delhi@ieema.org
W www.ieema.org

Bangalore
204, Swiss Complex
33, Race Course Road
Bangalore 560001, India
P +91 80 2220 1316 / 18
F +91 80 2220 1317
E bangalore@ieema.org
W www.ieema.org

503 A, Oswal Chambers
2, Church Lane
Kolkata 700001, India
P +91 33 6510 7855
F +91 33 2213 1326
E kolkata@ieema.org
W www.ieema.org

Indian Electrical & Electronics Manufacturer's Association

IEEMA/PVC/INSLR/2013

Effective from 1st January 2013

The above indices are as published by IEEMA vide IEEMA circular reference IEEMA(PVC)/COMP_INSU/_/_ prevailing as on first working day of the month _____ i.e., one month prior to the date of tendering.

- Zn** = Price of electrolytic high grade zinc (refer notes).
This price is as applicable on the first working day of the month, **ONE** month prior to the date of delivery.
- Al** = Price of EC Grade Aluminium rods (Proper/1 rods) (refer notes).
This price is as applicable on the first working day of the month, **ONE** month prior to the date of delivery.
- I** = Wholesale Price Index number for Pig Iron (Base : 2004-05 = 100) (refer notes).
This index number is as applicable for the month, **THREE** months prior to the date of delivery.
- R** = Wholesale Price Index number for Rubber (Polymers including synthetic rubber) (Base: 2004-05 = 100)
This index number is as applicable for the month, **THREE** months prior to the date of delivery.
- F** = Wholesale Price Index number for Fibre Glass & Glass sheet (Base: 2004-05 = 100) (refer notes).
This index number is as applicable for the month, **THREE** months prior to the date of delivery.
- FP** = Wholesale price index number for Fuel & Power (Base: 2004-05=100) (refer notes).
This index number is as applicable for the month, **THREE** months prior to the date of delivery.
- FE** = IEEMA's Banker's selling rate of exchange between foreign currency prevailing on the first working day
This exchange rate is as applicable **ONE** month prior to the date of delivery (refer notes)
- W** = All India average consumer price index number for industrial workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India (Base: 2001 = 100).
This index number is as applicable for the month **THREE** months prior to the date of delivery.

For example, if the date of delivery in terms of clause given below falls in December 2013, the applicable Prices of electrolytic high grade zinc (Zn) and Prices of EC Grade Aluminium rods (Al) to be considered for the month of November 2013 whereas wholesale price index numbers for Pig Iron (I), Rubber(R), Fibre Glass & Glass Sheet (F), Fuel Power (FP) and all India average consumer price index number (W) to be considered for the month of September 2013 and IEEMA's Banker's selling rate of exchange between foreign currency (FE) to be considered for the month of November 2013..

The "date of delivery" is the date on which the Composite Insulator is notified as being ready for inspection/despatch (in the absence of such notification, the date of manufacturer's despatch note is to be considered as the date of delivery) or the contracted delivery date (including any agreed extension thereto), whichever is earlier.

Notes:

- (a) All prices of raw materials are exclusive of modvatable excise duty and exclusive of any other central, state or local taxes, octroi etc.
- (b) All prices are as on 1st working day of the month.

Delhi
Rishyamook Building, First Floor
85 A, Panchsheel Road
New Delhi 110001
P +91 11 2336 3013 / 14
F +91 11 2336 3015
E delhi@ieema.org
W www.ieema.org

Bangalore
204, Swiss Complex
33, Race Course Road
Bangalore 560001, India
P +91 80 2220 1316/18
F +91 80 2220 1317
E bangalore@ieema.org
W www.ieema.org

Kolkata
503 A, Oswal Chambers
2, Church Lane
Kolkata 700001, India
P +91 33 6510 7855
F +91 33 2213 1326
E kolkata@ieema.org
W www.ieema.org

Indian Electrical & Electronics Manufacturer's Association

IEEMA/PVC/INSLR/2013

Effective from 1st January 2013

(c) The details of the prices considered are as under:

1. The price of Aluminium in Rs./MT is the average Ex-works price of EC Grade Aluminium rod quoted by the primary producers confirming to specifications IS: 5484:1978
2. The price of Electrolytic high grade zinc (in Rs/MT) is ex-works price quoted by a primary producer.
3. The wholesale price index numbers for 'Pig Iron', 'Rubber', 'Fiber Glass & Glass sheet' and 'Fuel & Power' are as published by the Office of Economic Advisor, Ministry of Industry, Govt. of India, New Delhi with base 2004-05 = 100.
4. The exchange rates in Indian Rs. would be for the following currencies only.
1) US Dollars 2) pound Sterling 3) Japanese Yen 4) Euro


Authorized Signatory

IEEMA/PVC/INSLR/2013 page 3 of 3

Delhi
Rishyamook Building, First Floor,
85 A, Panchsukh Road
New Delhi 110001
P +91 11 2336 3013 / 14
F +91 11 2336 3015
E delhi@ieema.org
W www.ieema.org

Bangalore
204, Swiss Complex
33, Race Course Road
Bangalore 560001, India
P +91 80 2220 1316/18
F +91 80 2220 1317
E bangalore@ieema.org
W www.ieema.org

Kolkata
503 A, Oswal Chambers
2, Church Lane
Kolkata 700001, India
P +91 33 6510 7855
F +91 33 2213 1326
E kolkata@ieema.org
W www.ieema.org

Indian Electrical & Electronics Manufacturer's Association



501, Kakad Chambers
132, Dr. Annie Besant Road, Worli
Mumbai 400018
India

P: +91 22 2493 0532
F: +91 22 2493 2705
E: info@ieema.org
www.ieema.org

Cir. No.: 66/DIV/T&D P/05

Date: 20 May 2014

To all members of IEEMA T&D Projects Division
SEBs, Utilities and other listed purchasing organizations

- Sub: 1. Discontinuation of PV circulars for Transmission Line Towers (TLT) and Transmission Line Accessories & Hardware (TLA&H) giving JPC Market prices of steel Billets & Blooms**
2. Revision in IEEMA PV clauses for TLT and TLA&H giving JPC RETAIL prices of Steel Billets & Blooms

IEEMA had publishing prices of Steel Billets and Blooms based on prices published by Joint Plant Commission (JPC), Kolkata in their circular titled 'JPC Indicative Market Prices' till April 2014 for using the revised Price Variation Clauses for TLT and TLA&H; both effective from 1st July 2010

However, from 1st April 2014, JPC has started publishing a different price circular titled "JPC Prices (Retail)" which is on the different basis of working of prices.

IEEMA has therefore decided to revise the PV formulae for TLT and TLA&H incorporating the above 'Retail' prices with different nomenclature effective from 1st April 2014. Both the PV formulae are enclosed along with April 2014 PV circular giving 'Retail' prices of Steel Billets and Blooms.

We request and recommend all the users & stakeholders including Utilities, PSUs etc. to incorporate these new PV formulae in all the new tenders/contracts requiring base prices/indices of April 2014.

For contracts that will remain still pending which will require prices/indices beyond April 2014, to arrive at the final price variation, we recommend using the following two stage method, which is a standard methodology adopted by IEEMA for change over in all IEEMA PV clauses.

1. Calculate price variation 'P' from prices/indices of your base date applicable as per IEEMA PV clause effective from 1st July 2010 up to April 2014 (i.e. by taking April 2014 prices/indices at the numerator) applicable for the same PV clause.
2. Treat the above calculated 'P' as 'P₀' and calculate final price variation considering April 2014 as base prices/indices as per new IEEMA PV clause; effective from 1st April 2014 (i.e. by taking April 2014 prices/indices at the denominator) up to the prices/indices of your date of delivery as per this new IEEMA PV clause.


Deputy Director General

Encl.: as above

New Delhi
Rishyamook Building, First Floor
85 A, Panchsheel Road
New Delhi 110001, India
P: +91 11 2336 3013/14
F: +91 11 2336 3015
E: delhi@ieema.org

Bangalore
204, Swiss Complex
33, Race Course Road
Bangalore 560001, India
P: +91 80 2220 1316/18
F: +91 80 2220 1317
E: bangalore@ieema.org

Kolkata
501 A, Swastika Chambers
2, Church Lane
Kolkata 700001, India
P: +91 33 5580 1855
F: +91 33 2613 1326
E: kolkata@ieema.org

IEEMA/PVC/TL-A&H/2001 (R-3)

Effective from: 1st April 2014

PRICE VARIATION CLAUSE FOR TRANSMISSION LINE ACCESSORIES AND HARDWARE

CONTAINING: (A) BOTH ALUMINIUM AND STEEL, (B) ONLY ALUMINIUM, (C) ONLY STEEL

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:

(A) Transmission line accessories and hardware containing both Aluminium and Steel:

$$P = \frac{P_0}{100} \left(20 + 40 \frac{AL}{AL_0} + 5 \frac{Zn}{Zn_0} + 20 \frac{SBIR}{SBIR_0} + 15 \frac{W}{W_0} \right)$$

(B) Transmission line accessories and hardware containing only Aluminium:

$$P = \frac{P_0}{100} \left(20 + 65 \frac{AL}{AL_0} + 15 \frac{W}{W_0} \right)$$

(C) Transmission line accessories and hardware containing only Steel:

$$P = \frac{P_0}{100} \left(20 + 58 \frac{SBIR}{SBIR_0} + 7 \frac{Zn}{Zn_0} + 15 \frac{W}{W_0} \right)$$

Wherein,

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

P₀ = Price quoted/confirmed.

AL₀ = Price of EC Grade Aluminium Ingots (refer notes)
This price is as applicable on the 1st working day of the month, one month prior to the date of tendering.

Zn₀ = Price of Electrolytic high grade zinc (refer notes)

IEEMA/PVC/TL-A&H/2001(R-2) Page 1 of 3

Delhi	Bangalore	Kolkata
Rishyamook Building, First Floor, 85 A, Panchsaran Road New Delhi 110001 P +91 11 2336 3013/14 F +91 11 2336 3015 E delhi@ieema.org W www.ieema.org	204, Swiss Complex 33, Race Course Road Bangalore 560001, India P +91 80 2220 1316/18 F +91 80 2220 1317 E bangalore@ieema.org W www.ieema.org	503 A, Oswal Chambers 2, Church Lane Kolkata 700001, India P +91 33 6510 7855 F +91 33 2212 1328 E kolkata@ieema.org W www.ieema.org

This price is as applicable on the 1st working day of the month, one month prior to the date of tendering.

SBIR₀ = Price of Steel Billets-Retail (refer notes)

This price is as applicable on the 1st working day of the month, one month prior to the date of tendering.

W₀ = All India average consumer price index number for industrial workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India (Base: 2001 = 100)
This index number is as applicable on the first working day of the month, three months prior to the date of tendering.

For example, if date of tendering falls in October 2014, the applicable prices of Aluminium (AL₀), Zinc (Zn₀) and Steel Billets-Retail (SBIR₀) should be for the month September 2014 and all India average consumer price index number (W₀) should be for the month of July 2014.

The above prices & indices are as published by IEEMA vide circular reference no. IEEMA (PVC)/TLA&H (R-3)/_/__ prevailing as on first working day of the month i.e., one month prior to the date of tendering.

AL = Price of EC Grade Aluminium Ingots (refer notes)

This price is as applicable on the 1st working day of the month, two months prior to the date of delivery.

Zn = Price of Electrolytic high grade zinc (refer notes)

This price is as applicable on the 1st working day of the month, two months prior to the date of delivery.

SBIR = Price of Steel Billets-Retail (refer notes)

This price is as applicable on the 1st working day of the month, two months 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: 2001 = 100)
This index number is as applicable on the first working day of the month, four months prior to the date of delivery.

For example, if date of delivery falls in July 2015, the applicable prices of Aluminium (AL), Zinc (Zn) and Steel Billets-Retail (SBIR) should be for the month May 2015 and all India average consumer price index number (W) should be for the month of March 2015.

The date of delivery is the date on which the instrument transformer is notified as being ready for inspection/dispatch (in the absence of such notification, the date of manufacturer's dispatch note is to be considered as the date of delivery) or the contracted delivery date (including any agreed extension thereto), whichever is earlier.

Notes: (a) All prices of raw materials are exclusive of modvatable excise/CV duty amount and exclusive of any other central, state or local taxes; octroi etc.

(b) All prices are as on first working day of the month.

(c) The details of prices are as under:

1. The price of Aluminium (in Rs./MT) is the average price of EC grade Aluminium Ingots as quoted by three primary producers of Aluminium as per IS: 4026-1987
2. The price of Electrolytic high grade zinc (in Rs./MT) is ex-works price as quoted by a primary producer of zinc.
3. The prices of Steel Billet-Retail are the average Retail price of Billets of size 100 mm of all cities in Rs/MT; as published by Joint Plant Committee (JPC), Kolkata.


Deputy Director General



Cir. No.: 40/DIV/PRJ/05

24th February 2006

To all members of Projects and Transmission Line Tower Division
To all State Electricity Boards, Utilities and Other Purchasing organizations

Sub: Price variation clauses for 'Civil Works and Erection'

Members may recall that we had circulated 'Draft' Price variation clauses for 'Civil Works and Erection' vide our Circular No. 185/DIV/PRJ/05 dated 27th May 2005 and Circular No. 458/DIV/DIV/PRJ/05 dated 19th December 2005. We did not receive any comments/suggestions on this draft. As such Project division has decided to make them operational.

Accordingly, we are enclosing new Price variation clause for 'Civil Works and Erection' associated with the Electrical Contract for Transmission and Distribution Projects; effective from 1st April 2005.

In this PV clause, 3 different formulae have been prepared for 'Concreting', 'Reinforced & other Steel works' and 'Erection (Excluding Reinforced and other steel works and concreting)'

Members have decided to use Wholesale indices as published by Economic Advisor, Ministry of Industry, Govt. of India and Labour index, Labour bureau, Simla to represent prices for various raw materials.


Executive Officer

Encl: as above

Nr/c \url-pvc2003\civil works_PVC_Draft.doc

Reply to

www.ieema.org / www.electrama.com

Indian Electrical & Electronics Manufacturers' Association
An ISO 9001 Organisation

Price variation clause for 'Civil Works and Erection' associated with the Electrical Contract for Transmission and Distribution Projects

The prices 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 wholesale price index numbers for related commodities and all India average consumer price index number for industrial workers as specified in the price variation clauses given below. In case of any variation in these index numbers, the price payable shall be subject to adjustment, up or down in accordance with the following formulae:

1. Price variation formula for 'Concreting'

$$P = \frac{P_0}{100} \left(20 + 20 \frac{HSD}{HSD_0} + 30 \frac{C}{C_0} + 20 \frac{SC}{SC_0} + 10 \frac{W}{W_0} \right)$$

2. Price variation formula for 'Reinforced and other steel works'

$$P = \frac{P_0}{100} \left(20 + 65 \frac{IS}{IS_0} + 10 \frac{HSD}{HSD_0} + 05 \frac{W}{W_0} \right)$$

3. Price variation formula for 'Erection (Excluding Reinforced and other steel works and concreting)'

$$P = \frac{P_0}{100} \left(20 + 22 \frac{HSD}{HSD_0} + 58 \frac{W}{W_0} \right)$$

Wherein,

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

P₀ = Price quoted/confirmed

HSD₀ = Wholesale price Index number for 'High Speed Diesel Oil' (Base: 1993-94=100) (refer notes)

This index number is as applicable for the week ending 1st Saturday of the month, one month prior to the date of tendering.

C₀ = Wholesale price index number for 'Cement' (Base: 1993-94=100) (refer notes)

This index number is as applicable for the week ending 1st Saturday of the month, one month prior to the date of tendering.

SC₀ = Wholesale price index number for 'Structural Clay products' (Base: 1993-94=100)(refer notes)

This index number is as applicable for the week ending 1st Saturday of the month, one month prior to the date of tendering.

IS₀ = Wholesale price index number for 'Iron & Steel (Base: 1993-94=100)' (refer notes)

This index number is as applicable for the week ending 1st Saturday of the month, one month prior to the date of tendering

IEEMA/PVC/CW-ER/2005/1/2

Reply to

W_0 = All India average consumer price index number for Industrial workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India (Base 1982 = 100)

This index number is as applicable on the first working day of the month, one month prior to the date of tendering.

For example, if date of tendering falls in May 2005, the applicable Wholesale price indices (HSD₀, C₀, SC₀ and IS₀) should be for the week ending first Saturday of April 2005 and all India average consumer price index number (W_0) should be for the month of April 2005.

The above prices and indices are as published by IEEMA vide circular reference IEEMA (PVC)/CW-ER / / _ prevailing as on first working day of the month of tendering.

HSD = Wholesale price index number for 'High Speed Diesel Oil' (Base: 1993-94=100) (refer notes)

This index number is as applicable for the week ending 1st Saturday of the month, one month prior to the date of joint inspection and completion certificate.

C = Wholesale price index number for 'Cement' (Base: 1993-94=100) (refer notes)

This index number is as applicable for the week ending 1st Saturday of the month, one month prior to the date of joint inspection and completion certificate.

SC = Wholesale price index number for 'Structural Clay products' (Base: 1993-94=100)(refer notes)

This index number is as applicable for the week ending 1st Saturday of the month, one month prior to the date of joint inspection and completion certificate.

IS = Wholesale price index number for 'Iron & Steel (Base: 1993-94=100)' (refer notes)

This index number is as applicable for the week ending 1st Saturday of the month, one month prior to the date of joint inspection and completion certificate.

W = All India average consumer price index number for industrial workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India (Base 1982 = 100)

This index number is as applicable on the first working day of the month, one month prior to the date of joint inspection and completion certificate.

For example, if date of joint inspection and completion certificate falls in December 2005, the applicable Wholesale price indices (HSD, C, SC and IS) should be for the week ending first Saturday of November 2005 and all India average consumer price index number (W) should be for the month of November 2005.

Date of completion of work is the date notified by the contractor for carrying out joint inspection of the work completed or contracted completion date; whichever is earlier.

Notes: The wholesale price index numbers for 'High speed diesel oil', 'Cement', 'Structural clay products' and 'Iron & Steel' are as published by the Office of Economic Advisor, Ministry of Industry, Govt. of India, New Delhi with base 1993-94=100. This wholesale price index numbers are being published weekly on provisional basis. The same gets finalized after eight weeks and is available after two months.


Authorized Signatory

