

# छत्तीसगढ़ स्टेट पावर डिस्ट्रीब्यूशन कम्पनी लिमिटेड



CHHATTISGARH STATE POWER DISTRIBUTION COMPANY LIMITED

(छत्तीसगढ़ शासन का एक उपक्रम)(छत्तीसगढ़ राज्य विद्युत मण्डल की एक उत्तरवर्ती कम्पनी)

CIN - U40108CT2003SGC015822



Office of Executive Director(O&M) CSPDCL Raipur E-Mail-[ceonm.raipur@cspc.co.in](mailto:ceonm.raipur@cspc.co.in)

No. 02-01 / WK-I / F.No. 20 [Vol.18(A)] / 5110

Raipur, Date 27 MAR 2025

To,

**The Executive Director / Chief Engineer [ (R-City/R) / (R-Rural/R) / (D/R) / (B/R) / (RGH./R) / (J/R) / (A/R) / (RAJ./R) (Project) ]**

C. S. P. D. C. L. Raipur (City) / Raipur (Rural) / Durg / Bilaspur / Raigarh / Jagdalpur / Ambikapur / Rajnandgaon Region.

**Sub: - Schedule of Rates for the year 2025-26.**

- Ref:-**
- 1.) T.O. Letter No. 02-01/Works/6011 Raipur, dated 14/11/2013.
  - 2.) T.O. Letter No. 02-01/Works/6408 Raipur, dated 19/12/2014.
  - 3.) T.O. Letter No. 02-01/Works/4808 Raipur, dated 08/12/2015.
  - 4.) T.O. Letter No. 02-01/Works/127 Raipur, dated 10/04/2017.
  - 5.) T.O. Letter No. 02-01/Works/132 Raipur, dated 10/04/2017.
  - 6.) T.O. Letter No. 02-01/Works/3829 Raipur, dated 24/09/2018.
  - 7.) T.O. Letter No. 02-01/Works/05 Raipur, dated 01/04/2019.
  - 8.) T.O. Letter No. 02-01/Works/2037 Raipur, dated 23/08/2019.
  - 9.) T.O. Letter No. 02-01/Works-I/1483 Raipur, dated 15/07/2020.
  - 10.) T.O. Letter No. 02-01/Gen./5107 Raipur, dated 23/02/2024.
  - 11.) T.O. Letter No. 02-01/Works-I/3976 Raipur, dated 15/01/2025.
  - 12.) T.O. Letter No. 02-01/Works-I/4977 Raipur, dated 21/03/2025.
  - 13.) T.O. Letter No. 02-01/Works-I/4743 Raipur, dated 06/03/2025.
  - 14.) Letter no 2638 of Forest and Climate Change Department, GoCG Raipur dated 12.07.24.

—00—

The Schedule of Rates for the year 2025-26 has been finalized and soft copy of the same is uploaded in the URJAINET of Power Company in CSPDCL's main page inside the Schedule of Rates folder as "Schedule of Rates 2025-26" which can be downloaded as per necessity.

In continuation to this Office circular no. 3829 date 24/09/2018, the rate of Incidental charges, on all the works which are carried out by CSPDCL or through Contractor, shall be levied @ 7.5%. In addition to the above, Overhead charges @12.5% (which includes market fluctuation factor, contractor's profit and GST etc.) is also to be added in estimate cost. However, the tender value of the work shall be based on Basic SoR estimate + 7.5% Incidental charges only.

All the estimates are to be strictly prepared in line with the guidelines issued from this office vide letter no. 3976 date 15.01.2025 naming - "Revised methodology for estimate preparation w.e.f. date of issue" and letter no. 4977 date 21.03.2025 naming - "Revised Estimate for preparation of 63(T) scheme schedule w.e.f. date of issue". While preparing the estimates, rates of various materials may be referred as provided in the SoR 2025-26 folder under various sub-heads. Similarly, while preparing estimates for all the line shifting works undertaken by NHAI, State Govt. agencies and State PWD for all National Highway / Road development projects, Supervision charges should be taken @ 2.5% as per circular no. 005 date 01/04/2019. Supervision charges has been reduced from 15% to 5% vide circular no. 1483 date 15.07.2020 for all works related to external electrification of Housing Projects only developed by Chhattisgarh Housing Board (CGHB). Photocopies of referred letters are also attached herewith.

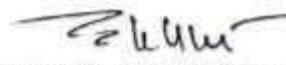
New items G.I. Pipe 150 mm OD (for schedules of railway), HDPE pipe of size 160 mm OD/140 mm ID PN 10 PE 100 HDR, Round Shape RCC Base Plate (with 6mm MS Bar) and Square Shape RCC Base Plate (with 6mm MS Bar) are introduced in SoR 2025-26.

The other Important Instructions, which are part of Schedule of Rates for the year 2025-26, are enclosed herewith for your ready reference. It is requested to issue necessary instructions to all the officers up to the rank of JE under your jurisdiction to take necessary action as above.

The new Schedule of Rates 2025-26 is applicable with effect from 01.04.2025 to 31.03.2026.

Encl: - As above.

[Approved by Competent Authority]

  
**EXECUTIVE DIRECTOR (O&M)**  
**CSPDCL: RAIPUR**

Copy to:-

1. The Executive Director / Chief Engineer [(S&P) / Civil / (EITC) / (RA & PM) / (Vigilance)] CSPDCL Raipur.
2. General Manager {[F&A] / [H.R.(Distn.)] CSPDCL Raipur.
3. The Superintending Engineer [ (O&M) / City (I / II) / City], CSPDCL Raipur / Durg / Mahasamund / Rajnandgaon / Bilaspur / Janjgir-Champa / Raigarh / Korba / Ambikapur / Jagdalpur / Kanker / Kawardha / Baloda-Bazar / Baikunthpur Circle.
4. The Executive Engineer (Project) CSPDCL Raipur / Baloda Bazar / Mahasamund / Durg / Rajnandgaon / Dantewada / Jagdalpur / Kanker / Bilaspur / Janjgir-Champa / Raigarh / Jashpur / Ambikapur / Baikunthpur / Dhamtari / Kondagaon / Gariyaband / Bemetara / Kawardha / Korba / Surajpur / Balrampur / Mungeli Division.

— for favour of kind information and necessary action please.

Encl: - As above.

  
**SUPERINTENDING ENGINEER (WORKS-I)**  
**O/o E.D. (O&M) C.S.P.D.C.L. RAIPUR**



# CHHATTISGARH STATE POWER DISTRIBUTION COMPANY LTD.

## SCHEDULES OF RATES FOR THE YEAR 2024-25

### *IMPORTANT INSTRUCTIONS TO BE FOLLOWED WHILE PREPARING ESTIMATES*

The schedule of rates has been prepared based on revision in the cost of materials, steel sections, civil work, labour & transportation charges etc., for applicability during the year 2025-26. Salient points relating to the schedule are briefly mentioned hereunder--

1. While preparing the estimates for any work, estimated quantity required as per field conditions must only be taken in the schedule. While preparing the estimates following points are to be adopted -
  - (a) Incidental charges @7.5% are to be taken on cost of material excluding GST;
  - (b) Overhead charges @12.5%, are to be taken on cost of material excluding GST;
2. While preparing estimates, all the relevant codes like C.G. State Electricity Supply Code, C.E.A. (Technical Standards for construction of electrical plants and electric lines 2010, CEA (Safety requirements for construction, operation and maintenance of electrical plants and electrical lines regulations 2011, C.E.A. (installation and operation of meters, regulations 2006) with all amendments etc. are strictly to be followed.
3. In suppression of the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010, the Central Electricity Authority has published gazette notification (Measures relating to Safety and Electric Supply) Regulations, 2022 on dated 08.06.2023 (photocopies attached). Under chapter VII (Safety requirements for overhead lines and underground cables) of point no. 60 following points are quoted-
  - (i) The minimum clearance above ground and across road surface of National Highway or Expressway or State Highway or other road or highest traction conductor of railway corridor or navigational or non-navigational river of the lowest conductor of an alternating current overhead line, including service lines, of nominal voltage shall have the values specified in Schedule VIII A.
  - (ii) The minimum clearances regarding high voltage direct current line shall be as per Schedule VIII- B.
  - (iii) In case of Electric lines of 33 kV and below passing through the protected areas (National Parks, Wildlife Sanctuaries, Conservation Reserves, Community Reserves), Eco-Sensitive Zones around the protected areas and Wildlife Corridors, underground cable/covered conductor/AB cable shall be used.

- (iv) No tower footing or structure of an overhead line of voltage 33 kV or above or high voltage direct current, shall be closer than twenty-five meter from the edge of the right of way of a Petroleum or Natural Gas Pipeline.
  - (v) Wherever overhead line of voltage 33 KV or above or high voltage direct current intending to cross the right of way of a Petroleum or Natural Gas Pipeline, the angle of crossing of the overhead line with respect to the pipelines shall preferably be at right angles and, in any case, the crossing angle shall not be less than seventy-five degrees.
- 4.
- (i) Estimates for 33 kV Lines should normally be framed with 9.1 Mtr / 11 Mtr long, 280 Kg / 365 Kg PCC pole. Use of H- Beams is restricted only to limited works in urban areas or difficult terrain.
  - (ii) Similarly estimates for 11 kV lines should normally be framed with 8 Mtr / 9 Mtr / 9.1 Mtr / 11 Mtr long PCC poles as per requirements. Use of H- Beams / R.S. Joist is restricted only to limited works in urban areas or difficult terrains.
  - (iii) In compliance of instructions given by Hon'ble High court of Chhattisgarh on dt 03.10.2024 and instruction conveyed by Under Secretary Forest and Climate Change Department, GoCG Raipur letter no 2638 date 12.07.24, all the electric lines in the forest areas of C.G must be kept at minimum 20 ft. clearance from ground to lowest conductor. Accordingly, length of electric support must be minimum 9 mtr. Therefore "140 Kg 8 mtr long and 200 kg 8 mtr long PCC supports should not be used in forest areas."
  - (iv) Items like Vacuum Circuit Breaker (VCB), Power Transformer and Distribution Transformer shall be procured by CSPDCL only for all schemes except for works to be executed by CSPDCL as per circular no. 02-01/Works/2037 date 23.08.2019. (Circular enclosed)
  - (v) The materials like H-Beam, Wide Parallel Flange Beam (WPB) and ACSR/AAAC conductors are to be supplied by Chhattisgarh State Power Distribution Company Limited (CSPDCL), if available at Area Stores at the time of tender, for all turnkey works except for works to be executed by CSPDCL as per circular no. 02-01/Works/2037 date 23.08.2019.
  - (vi) For any river / road crossing requiring new line to be erected on tower, the same must be laid on Panther conductor.
  - (vii) For any new 33 kV line crossing below Railway / Road track, 400 sq.mm. Underground XLPE cable is to be used. Similarly, for any new 11 kV line crossing below Railway / Road track, 240 sq.mm. Underground XLPE cable is to be used.
  - (viii) Circular no. 6011 date 14.11.2013, No. 6408 date 19.12.2014, and guidelines issued vide this office letter No. (a) 4808 date 08.12.2015, (b) 127 Raipur, dated 10/04/2017; (c) 132 Raipur, dated 10/04/2017; (d) 3829 Raipur, dated 24/09/2018; (e) 05 Raipur, dated 01/04/2019; (f) 2037 dated 23.08.2019; (g) 1483 dated 15.07.2020 and (h) 5107 dated 23.02.2024 (i) 3976 Raipur, dated 15/01/2025; (j)



4977 Raipur, dated 21/03/2025; (k) 2638 of Forest and Climate Change Department, GoCG Raipur dated 12.07.24. should be strictly followed.

(ix) The order no. 02-11/IV-3/CTPT/3171 date 16.03.2016 issued by ED (HR) CSPDCL Raipur is to be strictly followed.

5. The earthing arrangement at 33/11 kV S/s should be made in accordance with the detailed guidelines circulated vide erstwhile MPEB's letter No. 08-01-STD-STATION EARTH-3754 Dtd. 21.06.1999. Chemical earthing has been made part of B-1 and B-3 schedule, hence forth, in order to maintain proper earth resistance of 33/11 kV Sub-station.

6. The schedule of underground Railway / Road crossing on existing rail / road tracks (Sch.A-6) has been revised in the year 2016-17 and :-

(i) It is instructed that for the works which are carried out by CSPDCL at its own cost, laying of cable should be done using H.D.D. Technique only.

(ii) If Railway department applies for conversion of existing overhead line crossings to underground crossing for which work is to be carried out by themselves, then schedules may be prepared as per their request.

7. **New Energy Efficiency level-2(As per IS:1180 amendment 4), I.S.I. Marked 11/0.4 kV Distribution Transformers (without Box) is introduced in SoR 2025-26.**

8. The rate of concreting mix includes GST.

9. Use of either Round Shape RCC Base Plate or Square Shape RCC Base Plate have been incorporated for lines to be laid on 140 kG, 8 Mtr. long PCC Pole and associated stay set. It is advised to use either of the two materials.

10. Use of Covered conductor, which was earlier restricted to only in last span of HT consumers remains the same; but if necessary it should be provided in line after prior approval from ED(O&M) Raipur.

11. The covered conductor of various ratings should be -- 11 kV / 33 kV-- AlMgSi Conductor with Triple extruded longitudinal water blocking layer, XLPE Insulation, Outer layer of UV – resistant XLPE. The same should be type tested as per relevant Standard from CPRI or equivalent lab.

12. It should be ensured that the enlisted materials used by Turnkey contractor must bear I.S.I. Mark or must confirm to other applicable standards.

13. The guarantee period of the materials provided by the Turnkey contractors should be as per purchase orders placed by ED/CE (S&P) CSPDCL for that particular material.

14. **Civil Works--**

(i) The list of Civil items for Stage-I estimate / administration approval for Civil works are indicated in Civil wing rates. The following modifications / new works have been added –

- (a) New items - Round Shape RCC Base Plate (with 6mm MS Bar) and Square Shape RCC Base Plate (with 6mm MS Bar) are proposed to be introduced in place of RCC Block (with 6 mm MS Bar) (Bin Code- 7130640008).
- (b) Const. of 2.10 M high brick masonry boundary wall on hard Soil/hard moorum (Non- Expansive Soil).(As per Drg. No. 04-01/ST/29/R2 Date 19.06.2003) i/c all labour,T&P,transportation,loading,unloading,royalty,etc. complete.
- (c) Const. of 2.10 M high brick masonry boundary wall on Black Cotton Soil (Expansive Soil).(As per Drg. No. 04-01/ST/29/R2 Date 19.06.2003 and ST/750(MPEB)) i/c all labour,T&P,transportation,loading,unloading,royalty,etc. complete.
- (d) Const. of 2.40 M high brick masonry boundary wall iec. Concerntina coil fencing As per Drg. No. 04-01/ST-103 Date 15.01.2010) i/c all labour, T&P, transportation, loading, unloading, royalty, etc. complete.
- (e) Const. of R.C.C. retaining wall, 1.0 M high from G.L. as per Drawing Nos.04-01/ST/220 Date 10.08.2016 including all labour, T&P, curing, materials, transportation, loading, unloading, royalty, etc. complete.
- (f) Const. of R.C.C. retaining wall, 2.0 M high from G.L. as per Drawing Nos.04-01/ST/220 Date 10.08.2016 including all labour, T&P, curing, materials, transportation, loading, unloading, royalty,etc. complete.
- (g) Const. of R.C.C. retaining wall, 3.0 M high from G.L. as per Drawing Nos.04-01/ST/220 Date 10.08.2016 including all labour, T&P, curing, materials, transportation, loading, unloading, royalty, etc. complete.
- (h) As incorporated in SoR 2024-25 ,A-1 type control room for entire areas of state has been divided into two types – (1) Urban type control room building to be constructed within the geographical limit/areas of Municipal Corporation, Nagar Palika/Nagar Panchayat; and (2.1) Rural type Control room building {on Hard Soil} or (2.2) Rural type Control room building {on Black Cotton Soil}. For construction of both types of control room, if the height of plinth in control room is more than 1.2 Mtr., extra charges for additional height of DPC level for every 0.3 Mtr. height or part thereof shall have to be incurred.
- (i) Extra charges will be incurred for additional depth of Borewell for every 1.0 Mtr. depth or part thereof over 100 Mtr. depth of borewell.
- (j) For construction of underground LT & HT lines, RCC Cable trench of "600 x 600 mm" internal size and "300 x 450 mm" internal size has been introduced.
- (k) Construction of duct chamber (internal size 1000x800x900 mm.) with RCC Cover to be added in schedules for underground LT/HT lines.
- (ii) The assumptions made for preparing the standard schedules of lines include normal conditions of terrain and soil and do not apply to black cotton soil, for which simple base padding would not be adequate and concreting of the pole would be required. In case the geographical area is such that the line has to encounter river / railway



crossing etc.; the same is to be supplemented separately in the main technical estimate.

15. The rates of items, which do not find place in the enclosed list of materials, should be ascertained from the latest stores inventory or from the market. A specific mention to this effect should be made in the estimate, whenever such rates are used.
16. In Job wise labour rates for maintenance works, Incidental charges and Overhead charges should not be included as the same already includes Overhead charges.
17. The Standard schedules are applicable only for the schemes relating to ND Obligatory, Sub-transmission (Normal) and System Improvement works. For Deposit / Contributory works, While the cost of materials / Labour charges / Transport charges / Overhead charges etc. are to be taken as per the schedule, the Supervision charges / GST etc. be computed as per the various Relevant Circulars in force.
18. Regarding applicability of Supervision Charges and Overhead Charges, guidelines issued vide T.O. letter no. 0132 date 10.04.2017; Circular no. 0127 date 10.04.2017; circular no. 1483 date 15.07.2020 and other instructions issued from time to time, shall be strictly followed, which are mentioned as under --
  - (i) The supervision charges at the rate of 15% / 5% / 2.5%, as the case may be, shall be levied only in cases where the applicant carries out the work by himself through some contractor.
  - (ii) No supervision charges shall be levied on works carried out by CSPDCL through its own system for release of new connection.
  - (iii) The Overhead charges shall be levied at the rate 12.5%.
  - (iv) CSPDCL shall recover Supply Affording charges along with 15% Supervision Charges but will not recover additional cost per meter (in case of New NSC as per order date 30.06.2016 of CSERC), where work has to be got executed on Supervision basis and complete work shall be executed by the applicant.
  - (v) Supervision charges has been reduced from 15% to 5% vide circular no. 1483 date 15.07.2020 for all works related to external electrification of Housing Projects only developed by Chhattisgarh Housing Board (CGHB).
19. Estimation of work is to be made as per actual site requirement and provision for any other expenditure payable to Govt. e.g. taxes, forest clearance related charges, Bank guarantee and misc. charges levied by Railway department in case of Railway crossings etc. is to be made in the estimate.
20. All the Labour schedules have been thoroughly reviewed to make them more realistic, few new Labour schedules added too.

21. The Transportation charges have been reviewed and revised to be taken as per the two slabs mentioned below –

**(A) Power transformer and Distribution Transformer of capacity 315**

**KVA and above:-**

Distance Upto 100 KM Base Rate (A)	Calculation of distance more than 100 KM (B)	Total transportation rate
@ 1% of the cost of Power Transformer all ratings / Distribution Transformer of 315 KVA rating and above	0.5% per KM of A (basic transportation rate calculated upto 100KM )	A (Base transportation rate calculated upto 100KM) + B (Transportation rate calculated of distance more than 100KM) (A+B)

**Example:-**

Transport rate calculated for distance 150KM of Power Transformer assuming cost Rs 50,00,000/-

(i) Calculation of Distance upto 100KM base rate:- 1% of Rs 50,00,000 = Rs 50,000

(ii) Calculation of Distance additional 50 KM (more than 100KM) =  $50,000 \times 0.005 \times 50 = \text{Rs } 12,500$

Total transportation cost= (A+B) = 50000+12500= Rs 62500

\* The distance shall be taken from proposed work site to nearby store.

**(B) All other materials except Power Transformer and Distribution Transformer the capacity of 315 KVA and above.**

Distance Upto 100 Km. Base Rate (A)	Calculation of distance more then 100 KM (B)	Total transportation rate
@ 2% of the cost of materials	0.5% per KM of A (basic transportation rate calculated up to 100KM )	A (Base rate calculated up to 100KM) + B (Transportation rate calculated of distance more than 100KM)(A+B)

**Example:-**

Transport rate calculated for distance 250KM of other materials assuming cost Rs 50,00,000 (except Power Transformer and Distribution Transformer the capacity of 315 KVA and above)

(i) Calculation of Distance upto 100KM base rate:- 2% of Rs 50,00,000 = Rs 1,00,000

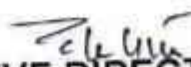
(ii) Calculation of Distance additional 150 KM (more than 100KM) =  $1,00,000 \times 0.005 \times 150 = \text{Rs } 75,000$

Total transportation cost= (A+B) = 1,00,000+75,000= Rs 1,75,000

\* The distance shall be taken from proposed work site to nearby store.



22. The cost of Labour charges for concreting of PCC Poles & H-Beam along with back filling of PCC Poles have been updated by applying hike of 2.9%.
23. The rates of services used in various schedules of SoR have been updated by applying hike of 2.9%.
24. Use of R.S. Joist of 125x70 mm size have been stopped and replaced by PCC Pole of 200 kG, 9 Mtr. long size.
25. All the other instructions issued by competent authorities regarding preparation of estimate from time to time, which are not mentioned herein, must be strictly followed.
26. On the basis of above, it is proposed to maintain the ongoing SoR rates for preparation of current estimates and further proposed to initiate for new SoR w.e.f 01.04.2025.
27. It is directed to ensure strict compliance of the above guidelines / instructions while preparing the estimates.

  
**EXECUTIVE DIRECTOR (O&M)**  
**CSPDCL: RAIPUR**

**CHHATTISGARH STATE POWER DISTRIBUTION COMPANY LTD.**

No. 02-01/WK/

6011

Raipur, Date 14/11/2013

**CIRCULAR**

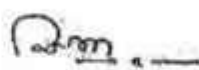
At present 9.3 Mtr. Long Steel structure is being widely used for LT and 11 kV Line extension in city areas with AB Cable.

Now, it has been decided to use 200 kg, 9 Mtr. Long PCC Pole in place of 9.3 Mtr. Long Steel structure in urban areas where AB cable is being strung. How ever concreting of PCC Poles will have to be done during erection.

  
**CHIEF ENGINEER (O&M)**  
**C.S.P.D.C.L., RAIPUR**

Copy to:-

1. The Executive Director / Chief Engineer [(R/R) / (D/R) / (B/R) / (J/R) / (R/N/R) / (A/R)], C.S.P.D.C.L. Raipur / Durg / Bilaspur / Jagdalpur / Rajnandgaon / Ambikapur Region.
2. The Chief Engineer [(S&P) / (ST-RE)] C.S.P.D.C.L. Raipur.
3. The Superintending Engineer [(O&M) / (City+It)] Circle, CSPDCL AMBIKAPUR.

  
**ADDL. CHIEF ENGINEER (W)**  
**O/o C.E. (O&M) C.S.P.D.C.L. RAIPUR**



(A Government of Chhattisgarh under Taking (A Successor Company of C.S.E.B.)  
CIN UF0A08CTT2003SGC015822

Office of the Executive Director (O&M) CSPDCL, Email ID ceonm.raipur@cseb.gov.

NO. 02-01/Works/LT cable/ 6408

Raipur, Dated  
19/12/2014

To,

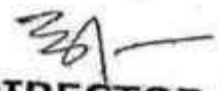
The Executive Director/Chief Engineer(..... Region)

CSPDCL, .....

Sub:- IS 14255 regarding specification of Aerial Bunched cables for  
working voltage upto and including 1100 Volts.

Please refer to IS 14255, a copy of which is enclosed  
herewith. As per Para 6.4 of this code, "The size of street light  
conductor shall be 16 Sqmm". The provision in the estimate is to be  
made according to this IS code, where the work for street light is  
being proposed.

Encl:- As above.

  
**EXECUTIVE DIRECTOR (O&M)**  
**CSPDCL; RAIPUR**

IS 14255 : 1995

भारतीय मानक

वायवीय गुच्छित केबल — 1 100 वोल्ट तक और सहित की  
कार्यवारी वोल्टता के लिए — विशिष्टि

*Indian Standard*

**AERIAL BUNCHED CABLES — FOR WORKING  
VOLTAGES UP TO AND INCLUDING  
1 100 VOLTS — SPECIFICATION**

UDC 621-315-211 ( 621-315-616-96 ) : 621-396-67

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**BUREAU OF INDIAN STANDARDS**  
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG  
NEW DELHI 110002

April 1995



## FOREWORD

This Indian Standard was adopted by the Bureau of Indian Standards, after the draft finalized by the Power Cables Sectional Committee had been approved by the Electrotechnical Division Council.

This standard specifies the requirement of Polyethylene/crosslinked polyethylene insulated cables with aluminium conductors twisted over a central bare/insulated aluminium alloy messenger wire for use as overhead distribution feeders for rated voltages up to and including 1100 V.

Many countries are now increasingly using cables with insulated conductor for LT overhead lines. This system is commonly called ABC system (Aerial Bundled Cables).

In the ABC system, the insulated conductors (3 or 4 numbers as required) are twisted around a high strength aluminium alloy bearer wire, which carries the main weight and also serves as the earth-cum-neutral wire. The bearer wire (messenger) may be bare or insulated. The phase conductors are not under tension.

The system is very safe and LT faults are practically eliminated. Consequently, interruptions of supply are minimized and the life of transformers is considerably increased as these are not subjected to frequent faults as happens with the bare conductors. The problem of tree clearance is also minimized.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (revised)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

# Indian Standard

## AERIAL BUNCHED CABLES — FOR WORKING VOLTAGES UP TO AND INCLUDING 1 100 VOLTS — SPECIFICATION

### SECTION 1 GENERAL

#### 1 SCOPE

1.1 This standard covers the requirements of polyethylene/crosslinked polyethylene insulated cables with aluminium conductors twisted over a central bare/insulated aluminium alloy messenger wire for use as overhead distribution feeders.

1.2 The cables covered in this standard are suitable for use on three phase ac (earthed or unearthed) systems for rated voltage up to and including 1 100 V.

NOTE.—The cables conforming to this standard may be operated continuously at a power frequency voltage 10 percent higher than the rated voltage.

1.3 The cables covered in this standard are suitable for use where the combination of ambient temperature and temperature rise due to load, including temperature on exposure to direct sunlight results in conductor temperature not exceeding the following:

Type of Insulation	Normal Continuous Operation	Short Circuit Operation
Polyethylene	70°C	160°C
Crosslinked polyethylene	90°C	250°C

#### 2 REFERENCES

2.1 The following Indian Standards are necessary adjuncts to this standard:

IS No.	Title
398 (Part 4): 1979	Aluminium conductors for overhead transmission purposes: Part 4 Aluminium alloy stranded conductors (aluminium-magnesium-silicon type) (second revision)
1885 (Part 32): 1993	Electrotechnical vocabulary: Part 32 Electric cables (first revision)
8130 : 1984	Conductors for insulated electric cables and flexible cords (first revision)
10418 : 1982	Drums for electric cables
10810 (series)	Methods of test for cables. (The relevant part numbers are given in col 4 of 10.1)

#### 3 TERMINOLOGY

3.0 For the purpose of this standard the following

definitions, in addition to those given in IS 1885 (Part 32) : 1993 shall apply.

#### 3.1 Routine Tests

Tests made by the manufacturers on all finished cable lengths to demonstrate the integrity of the cables.

#### 3.2 Type Test

Tests required to be made before supply on a general commercial basis on a type of cable in order to demonstrate satisfactory performance characteristics to meet the intended application.

NOTE.—These tests are of such a nature that after they have been made, they need not be repeated unless changes are made in the cable materials or design which might change the performance characteristics.

#### 3.3 Acceptance Tests

Tests carried out on samples taken from a lot for the purpose of acceptance of the lot.

#### 3.4 Optional Tests

Special tests to be carried out, when required by agreement between the purchaser and the supplier.

#### 3.5 Earthed System

An electric system which fulfills any of the following conditions:

- The neutral point or mid point connection is earthed in such a manner that even under fault conditions, the maximum voltage that can occur between any conductor and earth does not exceed 80 percent of the nominal system voltage;
- The neutral point or mid point connection is not earthed but a protective device is installed which automatically cuts out any part of the system which accidentally becomes earthed; or
- In case of ac system only, the neutral point is earthed through an arc suppression coil with arrangement for isolation within 1 hour of occurrence of the fault provided that total of such periods in a year does not exceed 125 hours.

#### 3.6 Unearthed System

An electric system which does not fulfil the requirements of earthed system (see 3.5).



## SECTION 2 "MATERIALS"

## 4 CONDUCTOR

## 4.1 Phase/Street Lighting Conductor

The conductor shall be of H2 or H4 grade aluminium complying with the requirements of IS 8130 : 1984.

## 4.2 Messenger (Neutral Conductor or Otherwise)

The conductor shall be of heat treated aluminium-mag-

nesium-silicon alloy wires containing approximate 0.5 percent magnesium and approximately 0.5 percent silicon conforming to IS 398 (Part 4) : 1979.

## 5 INSULATION

5.1 The insulation shall be either of cross-linked polyethylene compound or of polyethylene compound, conforming to requirement given in Tables 1 and 2 respectively.

Table 1 Properties of XLPE Insulation  
(Clause 5.1)

Sl No. (1)	Tests (2)	Requirements (3)	1/2
i)	Tensile strength	12.5 N/mm <sup>2</sup> , <i>Max</i>	
ii)	Elongation at break	200 percent, <i>Min</i>	
iii)	Aging in air oven		
	a) Treatment : Temperature	135 ± 3°C	
	Duration	7 days	
	b) Tensile strength variation	±25 percent, <i>Max</i>	
	c) Elongation variation	±25 percent, <i>Max</i>	
iv)	Hot set		
	a) Treatment : Temperature	200 ± 3°C	
	Time under load	15 min	
	Mechanical stress	20 N/cm <sup>2</sup>	
	b) Elongation under load	175 percent, <i>Max</i>	
	c) Permanent elongation (set) after cooling	15 percent, <i>Max</i>	
v)	Shrinkage		
	a) Treatment : Temperature	130 ± 3°C	
	Duration	1 hour	
	b) Shrinkage	4 percent, <i>Max</i>	
vi)	Water absorption (Gravimetric)		
	a) Treatment : Temperature	85 ± 2°C	
	Duration	14 days	
	b) Water absorbed	1 mg/cm <sup>2</sup> , <i>Max</i>	
vii)	Volume resistivity		
	a) at 27°C	1 × 10 <sup>11</sup> ohm-cm, <i>Min</i>	
	b) at 70°C	1 × 10 <sup>11</sup> ohm-cm, <i>Min</i>	
viii)	Carbon black		
	a) Content	Under consideration	
	b) Dispersion		

Table 2 Properties of PE Insulation  
(Clause 5.1)

Sl No.	Property	Requirements
i)	Volume resistivity:	
	a) at 27°C	$1 \times 10^{16}$ ohm-cm, Min
	b) at 70°C	$1 \times 10^{12}$ ohm-cm, Min
ii)	Tensile strength	10 N/mm <sup>2</sup> , Min
iii)	Elongation at break	300 percent, Min
iv)	Melt flow index	3, Max
v)	Vicat softening point	85°C, Min
vi)	Carbon black:	
	a) Content	Under consideration
	b) Dispersion	Under consideration
vii)	Environmental stress cracking	No cracks shall be visible to naked eye

## SECTION 3 CONSTRUCTION

## 6 CONDUCTOR

6.1 The power/outer insulated neutral/street lighting conductors shall conform to flexibility class 2 of IS 8130 : 1984.

6.2 The messenger (Neutral conductor) or otherwise shall be either stranded circular or compacted circular type and shall have minimum 7 strands. The surface of the conductor shall be smooth.

6.3 A protective barrier may be applied between the conductor and insulation, if required. Such barrier, when used, shall be compatible with insulating material and suitable for the operating temperature of the cable.

6.4 The size of street lighting conductor shall be 16 mm<sup>2</sup>.

6.5 The size of messenger conductor and its breaking load shall be as per Table 3.

6.6 There shall be no joints in any wire of the messenger conductor except those made in the base rod or wires before final drawing. The direction of outer layer of wires in messenger conductor shall be right hand.

## 7 INSULATION

7.1 The conductor (with protective barrier, wherever applied) shall be provided with crosslinked polyethylene or polyethylene insulation applied by extrusion.

Table 3 Size and Requirements of Messenger Conductor  
(Clause 6.5)

Sl No.	Nominal Cross Sectional Area of Phase Conductor	Messenger Conductor		
		Nominal Cross Sectional Area	Maximum dc Resistance at 20°C	Minimum Breaking Load
(1)	mm <sup>2</sup>	mm <sup>2</sup>	ohm/km	kN
ii)	(2)	(3)	(4)	(5)
i)	16	25	1.38	7.0
ii)	25	25	1.38	7.0
iii)	35	25	1.38	7.0
iv)	50	35	0.986	9.8
v)	70	50	0.689	14.0
vi)	95	70	0.492	19.7



## 7.2 Thickness of Insulation

The average thickness of insulation shall be not less than the nominal value ( $t$ ) specified in Table 4.

Table 4. Thickness of Insulation

Nominal Area of Conductor mm <sup>2</sup>	Nominal Thickness ( $t$ ) mm
(1)	(2)
16	1.2
25	1.2
35	1.2
50	1.5
70	1.5
95	1.5

## 7.3 Tolerance on Thickness of Insulation

The smallest of measured values of thickness of insulation shall not fall below the nominal value ( $t$ ) specified in Table 4 by more than  $0.1 \text{ mm} + 0.1 (t)$ .

## 7.4 Application of Insulation

The insulation shall be so applied that it fits closely on the conductor (or barrier, if any) and it shall be possible to remove it without damaging the conductor.

7.5 The colour of insulation shall be black.

## 8 CORE IDENTIFICATION

8.1 The phase conductors shall be provided with one, two or three 'ridges' and outer neutral insulated conductor, if provided, shall have four 'ridges' as shown in Fig. 1 for quick identification. The street lighting conductor and messenger conductor (if insulated) shall not have any identification mark.

8.2 Identification by other means, as agreed between the supplier and purchaser, is also permissible.

## 9 ASSEMBLY (LAYING UP)

9.1 Three insulated phase conductors, one insulated neutral conductor (if required) and a street lighting conductor (if required) shall be twisted around the bare (or insulated) as required messenger conductor without fillers with a lay not exceeding 35 times the diameter of the insulated phase conductor.

9.2 The direction of lay shall be right hand.

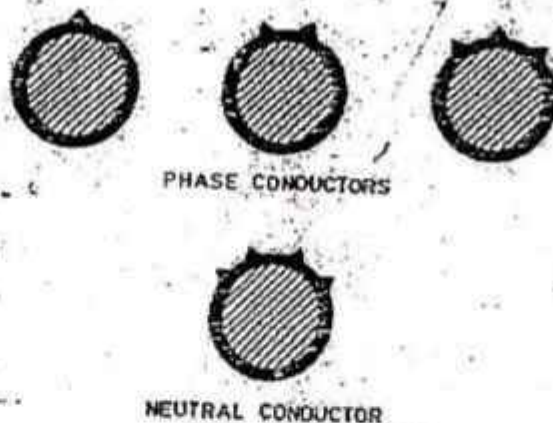


FIG. 1 CORE IDENTIFICATION

**CHHATTISGARH STATE POWER DISTRIBUTION COMPANY LIMITED**  
**OFFICE OF THE EXECUTIVE DIRECTOR (O&M)**  
(A GOVT. OF CHHATTISGARH UNDERTAKING)  
(A SUCCESSOR COMPANY OF CSEB)

No./02-01/Work-I/15-60/4808

Raipur, Dated 08/12/2015

To,


The Executive Director/Chief Engineer(-----R)/ -----  
The Superintending Engineer -----  
The Executive Engineer -----  
C.S.P.D.C.L  
-----

**Sub :- Guidelines regarding use of Steel / PCC Supports.**

While Scrutiny of various works estimate it is noticed that uniformity in preparation of estimates of laying LT/11KV/33KV lines in respect of use of supports is not maintained and instructions issued by this office are not being followed. In many cases estimates under various schemes have been found prepared on steel supports of various types/sizes even in rural areas. Use of steel supports, if technically not required, results in to higher cost of estimates unnecessarily without adding any extra benefit. Our SOR has provision of H Beam, RSJ, various sizes of PCC Poles. While preparing estimates by field officers the type & sizes of supports needs to be considered based on various technical/safety requirements. It is clearly mentioned in the Para VII (a), (b) & (c) of preface of approved SOR 15-16 about the supports to be used in various types of LT/HT lines (Copy enclosed). Similarly instructions were issued by T.O. vide circular no. 6011 dt. 14.11.2013. It is there fore once again instructed to adhere to the guidelines mentioned in Para VII (a), (b) & (c) & Circular no. 6011 dt. 14.11.2013 while preparing the estimates. If it is necessary to use steel support instead of suitable size PCC Pole due to some technical/safety requirements, then it needs to be clearly mentioned in the history & scope of the estimate with proper reasons.

Any deviations from the instructions as mentioned above will be viewed seriously.

Encl.: As above.

  
**EXECUTIVE DIRECTOR (O&M)**  
**CSPDCL, RAIPUR**

**Copy to :-**

1. The CE / SE / EE / (STRE) CSPDCL ..... for information & necessary action please.
2. The CE (EITC) CSPDCL, Raipur. It is requested to upload a copy on Urjainet, Public Document.



O/O CE (EITC)  
Receipt No. 1130010A  
Date 12 APR 2017  
DGM (IT) / SE (O)  
EE web

**CHHATTISGARH STATE POWER DISTRIBUTION COMPANY LTD.**

(A Government of Chhattisgarh Undertaking) (A Successor Company of CSEB)

CIN- U40103CT2003SGC015822

Office of Executive Director (O&M) CSPDCL Raipur

E-Mail-ccom.raipur@csebh.gov.in

NO. 02-01/Works/ 127

Raipur, Dated 10/4/17

### **CIRCULAR**

Sub:- Execution of line extension work under 15% supervision basis.

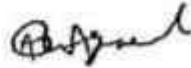
00-00

CSERC vide order no. 1135 dated 30.06.2016 has revised the charges for new service connection w.e.f. 01.07.2016 and made mandatory to recover from the consumers supply affording charges on per KW basis and cost of extension work on per meter basis. However, there was no mention regarding the works that would be carried out by the consumers (in case consumer intends to carry out work at its own) under 15% supervision basis.

In this regard, the CSERC has accorded following approval in a case referred to them:-

"Supply Affording charges will be recovered along with 15% Supervision Charges but will not recover additional cost per meter, where work has to be got executed on Supervision basis and complete work shall be executed by the applicant."

Accordingly it is requested that where the consumer intends to execute line extension work by paying 15% supervision charges to CSPDCL, the above guidelines be followed.

  
**EXECUTIVE DIRECTOR(O&M)**

**CSPDCL;RAIPUR**

Copy to:

1. The ED/CE (...../R/ Project /Fin. /Tr.), CSPDCL, .....
2. SE (City/O&M), CSPDCL, .....
3. EE (City/O&M/Project), CSPDCL, .....
4. AE (Zone/Sub div.) CSPDCL, .....
5. JE (O&M) CSPDCL, .....

Note:- The CE (EITC) CSPDCL, Raipur is requested to upload the same on urjainet.

O/o CE (EITC)  
 Receipt No. 1120010A  
 Date 11 APR 2017  
 DGM (IT) / SE (O)  
 EE. W.B.  
 Section

**CHHATTISGARH STATE POWER DISTRIBUTION COMPANY LTD.**

(A Government of Chhattisgarh Undertaking) (A Successor Company of CSEB)

CIN- U40108CT2003SGC015822

Office of Executive Director (O&M) CSPDCL Raipur

E-Mail-[ceonm.raipur@cseb.gov.in](mailto:ceonm.raipur@cseb.gov.in)

Raipur, Dated

10/04/2017

No. 02-01/Works/ 132

To,

ED/CE (...../R)

CSPDCL, .....

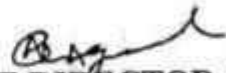
Sub:- Applicability of Supervision Charges and Overhead Charges.

In continuation to this office letter no. 6592 dtd 20.03.2017, the competent authority in reference to clause no. 4.9 & 4.29 of supply code of 2011 has approved that:-

1. The supervision charges @ 15% shall be levied only in cases where the consumer carries out the work by himself through some contractor.
2. No supervision charges shall be levied on works carried out by CSPDCL through its own system for release of New connection.
3. The Overhead charges shall be levied @ 12.5 %

The above revisions are made effective w.e.f. 01.04.2017. Accordingly, necessary modification in the estimates which have already been sanctioned during the current year 2017-18 may be made.

Further, the above guidelines be circulated to all your subordinate officers & ensure strict compliance.

  
**EXECUTIVE DIRECTOR (O&M)**  
**CSPDCL, RAIPUR**

Copy to:-

1. ED (Project) CSPDCL, Raipur
2. SE (City/O&M) circle CSPDCL, .....
3. EE (City/O&M) Dn. CSPDCL, .....

Note:- ~~The~~ CE (EITC) CSPDCL, Raipur is requested to upload the same on urjainet.



Q/o. E.D. (EITC)  
CSPDCL Raipur  
Receipt No. 2558  
Date 21 SEP 2018  
AGM (IT)  
SE (D) 100  
EE W  
Section No. 02.01/Works/ 3829

**CHHATTISGARH STATE POWER DISTRIBUTION COMPANY LTD.**  
(Government of Chhattisgarh Undertaking)  
**OFFICE OF THE EXECUTIVE DIRECTOR (O&M)**  
CIN: U40108CT2003SGC015822  
Telephone: (0771) - 2574 901, Fax: (0771) - 2574 922  
Website: [www.cspdcl.co.in](http://www.cspdcl.co.in) e-mail: [ceonm.raipur@cspdc.co.in](mailto:ceonm.raipur@cspdc.co.in)



Raipur, Dated: 24-Sep-2018

**CIRCULAR**

**Sub: - Reduction in rate of Incidental Charges from 9% to 7.5%.**

\*\*\*\*\*

With reference to the above cited subject, competent authority has approved that the Incidental Charges shall be levied @ 7.5% instead of present 9% on all the works which are carried out by CSPDCL or through contractor.

The above revisions are made effective w.e.f Date of issue of this circular. All new estimates and tenders are to be prepared accordingly.

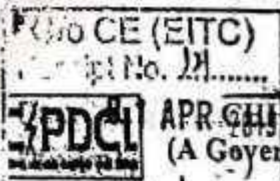
Further, the above guidelines be circulated to all your subordinate officers & ensure strict compliance.

  
**Executive Director (O&M)**  
**CSPDCL, Raipur**

**Copy to:-**

1. The Director (O&M)/(C&RA), CSPDCL, Raipur.
2. The Executive Director/ Chief Engineer (F&A/ HR/ S&P/ Revenue/ Project/ RA&PM/ EITC/ Trg-R&D/ Vigilance/ Civil/ RR/ BR/ DR/ RajR/ AR/ JR), CSPDCL, Raipur/ Durg/ Ambikapur/ Jagdalpur/ Rajnandgaon/ Bilaspur.
3. The Superintending Engineer (City-I/II/MT/Civil/Store) Circle CSPDCL, \_\_\_\_\_.
4. The Executive Engineer (O&M/City/MT/STM/AMR/Proj/Civil) CSPDCL, \_\_\_\_\_.
5. The Staff Officer, O/o MD (CSPDCL), Raipur.
6. The Senior Accounts Officer/Assistant Manager (CAU)/ Raipur-I/ II/ Bilaspur/ Durg/ Jagdalpur/ Ambikapur/ Janjgir-Champa/ Rajnandgaon CSPDCL.

✓ **Note: - The ED (EITC) CSPDCL, Raipur is requested to upload the same on Urjainet.**



CHHATTISGARH STATE POWER DISTRIBUTION COMPANY LTD.  
(A Government of Chhattisgarh under Taking (A Successor Company of C.S.E.B.))

CIN UF0A08CTT2003SGC015822

Office of the Executive Director (O&M) CSPDCL, Email ID ceonm.raipur@cseb.gov.in


No./02-01/Work-I/circular/05

Raipur, Dated 01/04/2019

### CIRCULAR

The competent authority has accorded an approval for reduction in supervision charges from 15% (fifteen percent) to 2.50% (two & half percent) for all line shifting work being under taken by National Highway Authority of India, state Govt. agencies and state PWD for all National Highway / Road development projects. This will be made applicable from the date of issue of this circular.

An earlier circular No. 02-02/CE(RA&PM)/ACE-II/circular/HT/1242 Raipur dated. 31.07.2018 is hereby withdrawn with immediate effect.

  
(J.S. Netam)

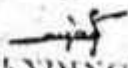
EXECUTIVE DIRECTOR (O&M)  
CSPDCL, RAIPUR

Raipur, Dated 01/04/2019

No./02-01/Work-I/circular/06  
Copy Forwarded to:-

1. The Director (O&M)/(C&RA), CSPDCL, Raipur.
2. The Executive Director/Chief Engineer / General Manager (O&M)/ (Revenue) / (Project)/(RA&PM) /(S&P) /(ETC) /(Fin) /(Trg.R&D) /(Vigilance) /(Civil) /(RR/City/ Rural) (DR) /(BR)/ (AR)/ (JR)/ (Raj.R)/(Rig. R) (HR)CSPDCL/ CSPHCL, Raipur/ Durg/ Bilaspur/Ambikapur /Jagdalpur/Rajnandgaon/Raigarh.
3. Staff officer to Special Secretary(Energy), Mahanadi Bhavan, Atal Nagar Raipur.
4. TheSuperintending Engineer (City-I/II) /(MT)/ (Civil)/ (Store), Circle CSPDCL, .....
5. The Superintending Engineer (ES) & Chief Electrical Inspector, CG Govt., Mahanadi Bhavan, Atal Nagar Raipur.
6. The P.S. to Secretary, CSERC, Irrigation Colony, Shanti Nagar, Raipur.
7. The P.S. to Secretary PWD, GOCG, Mahanadi Bhavan, Atal Nagar Raipur.
8. The Executive Engineer.....CSPDCL, .....
9. The Staff Officer to Chairman/Managing Director,CSPDCL/CSPHCL/CSPGCL/ CSPTrans.CL/CSPTrd.CL, Raipur.
10. The Senior Accounts Officer/Assistant Manager(CAU)/Raipur-I/II/Bilaspur/Durg/ Jagdalpur / Ambikapur/Janjgir-Champa/Rajnandgaon/Raigarh. CSPDCL.
11. Order file.

Note: (i) The Chief Engineer (ETC) is requested to display this circular on Power Company's official website.

  
SUPERINTENDING ENGINEER(W.)  
O/o EXECUTIVE DIRECTOR (O&M)  
CSPDCL, RAIPUR



30/0 CE (EITC)  
Receipt No. 3514  
Date 23 AUG 2019  
DGM (IT/SE/O)  
EE  
Section



# CHHATTISGARH STATE POWER DISTRIBUTION COMPANY

(Government of Chhattisgarh Undertaking)

CIN: U40108CT2003SGC015822

Telephone: (0771) - 2574 901, Fax: (0771) - 2574 922

Website: [www.cspdcl.co.in](http://www.cspdcl.co.in) e-mail: [ceonm.raipur@cspdc.co.in](mailto:ceonm.raipur@cspdc.co.in)



No. 02-01/Works/2037

Raipur, Dated: 23-Aug-2019

## CIRCULAR

**Sub: - Execution of works under 24% Supervision basis.**

\*\*\*\*\*

It has been decided to take up the Deposit works on full turnkey basis for consumers/ parties including Govt. and Quasi-Govt. Departments (where ownership is with applicant/ Depositor) on Supervision charges @ 24%.


In this regard following points shall be kept in mind before preparing the estimates:

- i. Estimate shall be prepared after the joint survey with authorized representative of applicant and detailed scope of the work be prepared at the time of survey itself;
- ii. Consent of the applicant shall be obtained for:
  - a) Payment of estimated cost of work along with applicable GST
  - b) The applicant will provide the specification for the items which are not included in CSPDCL's SoR
  - c) The applicant will provide necessary space/ROW for executing the work.
  - d) Consent to bear the over cost, if any, after completion of work.
- iii. Estimate shall be prepared under Scheme "ND Contributory Works - 24%, Code (047)".
- iv. Entire work shall be executed on full deposit and full turnkey basis.
- v. In estimate provision must be made for charges under Sec-68, charging permission and drawing/ documentation etc.
- vi. The amended clause of DoP 6.1.5 (a) shall be applicable, issued vide DoP order no 2944 dated 24/12/2016 for administrative approval of such works.
- vii. Guarantee period- to be taken care of by contractor (After completion of work GP to be transferred to applicant & contractor). For this necessary clause may be inserted in the tender document that Guarantee for the materials like Transformers, breakers, CTs etc. may be transferred to the applicant after completion of work as per tender specification. Further, applicant may also be informed that all necessary support during guarantee period on materials installed shall be provided by contractor directly to the applicant and CSPDCL has no liability after completion/ handed over of work to applicant.

Regd. Office, Raipur

- viii. Non SoR Items to be provisioned as per market rate or as per SoR of PWD with supporting documents to be provided by applicant.
- ix. All materials should confirm to relevant IS codes.
- x. Format for handing over of work to applicant after its completion must be given.
- xi. Provisions of materials to ensure all safety rules must be made in the estimate e.g. rubber mat, hand gloves, common tools, yard metalling, fencing, gate, yard light etc as per requirement.
- xii. The provision of materials like LT cable, LT control panel should be made keeping in mind for future load growth in the premises in consultation with applicant.
- xiii. Provisions of spare incoming cable may be made in the estimate in consultation with applicant.
- xiv. Civil works like construction of control room shall not be executed by CSPDCL.
- xv. This will not be the right of applicant to get the work executed from CSPDCL.

Accordingly it is requested that where the consumer/applicant intends to get their work executed on full turnkey basis by paying 24% Supervision charges to CSPDCL, the above guidelines be followed.

  
**Chief Engineer (O&M)**  
**CSPDCL, Raipur**

**Copy to:-**

1. The Director (O&M)/(C&RA), CSPDCL, Raipur.
2. ☒ The Executive Director/ Chief Engineer (F&A/ HR/ S&P/ Revenue/ Project/ RA&PM/ EITC/ Trg-R&D/ Vigilance/ Civil/ RR-City/RR-Rural/ BR/RtgR/DR/RajR/AR/JR), CSPDCL, Raipur/ Durg/ Ambikapur/ Jagdalpur/ Rajnandgaon/ Bilaspur/ Raigarh.
3. The Superintending Engineer (City-I/II/MT/Civil/Store) Circle CSPDCL, \_\_\_\_\_.
4. The Executive Engineer (O&M/City/MT/STM/AMR/Proj/Civil) CSPDCL, \_\_\_\_\_.
5. The Staff Officer, O/o MD (CSPDCL), Raipur.
6. The Senior Accounts Officer/Assistant Manager (CAU)/ Raipur-I/ II/ Bilaspur/ Durg/ Jagdalpur/ Ambikapur/ Janjgir-Champa/ Rajnandgaon CSPDCL.

**Note: - The CE (EITC) CSPDCL, Raipur is requested to upload the same on Urjainet portal.**



Receipt No. **15 JUL 2020**  
Date **15 JUL 2020**  
DGM (IT) **15 JUL 2020**  
EE **15 JUL 2020**  
Section **15 JUL 2020**

**CHHATTISGARH STATE POWER DISTRIBUTION COMPANY LTD.**  
(A Government of Chhattisgarh Undertaking)  
(A successor company of CSEB)  
CIN: U40108CT2003SGC015822  
Telephone: (0771) - 2574 901, Fax: (0771) - 2574 922  
Website: [www.cspdcl.co.in](http://www.cspdcl.co.in) e-mail: [ceonm.raipur@cspdc.co.in](mailto:ceonm.raipur@cspdc.co.in)



Raipur, Dated: 15-July-2020

**CIRCULAR**

Board of Directors of CSPDCL in its 103<sup>rd</sup> meeting held on 20/06/2020 at Conference room, 2<sup>nd</sup> Floor, Vidyut Sewa Bhawan, Danganiya, Raipur (C.G.) has accorded approval for reduction in Supervision Charges from 15% (fifteen percent) to 5% (five percent) for all works related to external electrification of Housing Projects only developed by Chhattisgarh Housing Board (CGHB). This will be applicable from the date of issue of this circular.

**Chief Engineer (O&M)  
CSPDCL, Raipur**

Raipur, Dated: 15-July-2020

Copy to:-

1. The Director (O&M)/(C&RA), CSPDCL, Raipur.
2. The Executive Director/ Chief Engineer/ General Manager (O&M)/ (Revenue)/ (Project)/ (S&P)/ (RA&PM)/ (Vigilance)/ (EITC)/ (Civil-Distt)/ (Trg: R&D)/ (HR)/ (RR/City/Rural)/ (DR)/ (BR)/ (AR)/ (JR)/ (Raj.R), CSPDCL/ CSPHCL, Raipur/ Durg/ Bilaspur/ Ambikapur/ Jagdalpur/ Rajnandgaon/ Raigarh.
3. Staff Officer to Special Secretary (Energy), Mahanadi Bhawan, Atal Nagar, Nava Raipur.
4. The Superintending Engineer (City/ City-I/ City-II/ MT/ Store/Civil/Circle), CSPDCL,
5. The Superintending Engineer (ES) & Chief Electrical Inspector, CG Govt., Mahanadi Bhawan, Atal Nagar, Nava Raipur.
6. The P.S. to Secretary, CSERC, Irrigation Colony, Shanti Nagar, Raipur.
7. The Commissioner, Chhattisgarh Housing Board, Head Office, Sector-19, Paryawas Bhawan, Nava Raipur, Atal Nagar, Raipur(C.G.).
8. The Executive Engineer (City\_\_\_\_/O&M/ STM/ Store/ AMR/ MT/ Project/ Vigilance/ Civil), CSPDCL, \_\_\_\_\_.
9. The Staff Officer to Chairman/Managing Director, CSPDCL/ CSPHCL/ CSPGCL/ CSPTCL/ CSPTd.CL, Raipur.
10. The Sr. Accounts Officer/Assistant Manager (CAU)/Raipur- I/II/Bilaspur/Durg/Jagdalpur/Ambikapur/Janjgir-Champa/Rajnandgaon/Raigarh. CSPDCL
11. Order file.

**Note.** - The Executive Director (EITC) is requested to display this circular on Power Company's official website.

**Superintending Engineer (W)  
O/o Chief Engineer (O&M)  
CSPDCL, Raipur**

No. 02-01/Gen./ 5107

Raipur, Date

23 FEB 2024

To,

The The Executive Director/Chief Engineer (R-City/R)/  
(R-Rural/R)/(D/R)/(B/R)/(RGH/R)/(J/R)/(A/R)/(RAJ./R)/(Project)  
CSPDCL Raipur (City)/Raipur (Rural)/Durg/Bilaspur/Raigarh/  
Jagdalpur/Ambikapur/Rajnandgaon Region.

Sub:- Implementation of notification on dtd. 08.06.2023 by Central Electricity Authority (Measures relating to safety and electric Supply) regulation 2023.


Ref:- Letter no. of this office 02-01/WK-I/F.No.20(NVol.16(A)/1049 Raipur dtd. 05.04.2023

In suppression of the Central Electricity Authority (Measures relating to safety and electric Supply) Regulation 2010, the Central Electricity Authority has published gazette notification related to safety and electric supply Regulation 2023 on dtd. 08.06.2023. Under chapter VII (Safety requirements for overhead lines and underground cables) of point no. 60 following points are quoted.

1. The minimum clearance above ground and across road surface of National Highway or Expressway or State Highway or other road or highest traction conductor of railway corridor or navigational or non-navigational river of the lowest conductor of an alternating current overhead line, including service lines, of nominal voltage shall have the values specified in Schedule VIII A.
2. In case of Electric lines 33 KV and below passing through the protected areas (National Parks, Wildlife Sanctuaries, Conservation Reserves, Community Reserves), Eco-Sensitive Zones around the protected areas and Wildlife Corridors, only underground cable shall be used.
3. No tower footing or structure of an overhead line of voltage 33 KV or above or high voltage direct current, shall be closer than twenty five meters from the edge of the right of way of a Petroleum or Natural Gas Pipeline.
4. Wherever overhead line of voltage 33 KV or above or high voltage direct current intending to cross the right of way of a Petroleum or Natural Gas Pipeline, the angle of crossing of the overhead line with respect to the pipelines shall preferably be at right angles and, in any case, the crossing angle shall not be less than seventy five degrees.

All concerns are instructed to implement above points strictly.

Encl:- As above

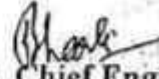
  
Executive Director (O&M)  
CSPDCL, Raipur



Copy to: -

1. The Executive Director/Chief Engineer (S&P)/Civil/ (EITC)/  
(RA& PM) /(Vigilance)/HR (Distn.) CSPDCL Raipur.
2. General Manager (F&A) CSPDCL Raipur.
3. The Superintending Engineer (O&M)/City (I/II)/City, CSPDCL  
Raipur/Durg/Mahasamund/Rajnandgaon/Bilaspur/Janjgir  
Champa/Raigarh/Korba/Ambikapur/Jagdalpur/Kanker/  
Kawardha/Baloda-Bazar/Baikunthpur Circle.
4. The Executive Engineer (Project) CSPDCL Raipur/Baloda  
Bazar/Mahsamund/Durg/Rajnandgaon/Dantewada/Jagdalpur/Kanker/Bila  
spur/Janjgir-hampa/Raigarh/Jashpur/Ambikapur/  
Baikunthpur Division.

..... for kind information and necessary action please.

  
Addl. Chief Engineer  
O/o -Executive Director (O&M)  
CSPDCL, Raipur

## CENTRAL ELECTRICITY AUTHORITY

## NOTIFICATION

New Delhi, the 8th June, 2023

**No. CEA-PS-16/1/2021-CEI Division.**—Whereas the draft of the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2022 was published in six newspaper dailies, as required by sub-section (3) of section 177 of the Electricity Act, 2003 (36 of 2003) read with sub-rule (2) of rule 3 of the Electricity (Procedure for Previous Publication) Rules, 2005 for inviting objections and suggestions from all persons likely to be affected thereby, before the expiry of the period of forty-five days, from the date on which the copies of the newspaper containing the said draft regulations were made available to the public;

And whereas copies of the said newspapers containing the public notices and the said draft regulations on the website of the Central Electricity Authority were made available to the public on 14<sup>th</sup> June, 2022;

And whereas the objections and suggestions received from the public on the said draft regulations were considered by the Central Electricity Authority;

Now, therefore, in exercise of the powers conferred by clause (b) of sub-section (2) of section 177 and read with section 53 of the Electricity Act, 2003, and in suppression of the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010, except as respects things done or omitted to be done before such suppressions, the Central Electricity Authority hereby makes the following regulations, namely:—

## Chapter I

## Preliminary

1. **Short title and Commencement.**—(1) These regulations may be called the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2023.

(2) These regulations shall come into force on the date of publication in the Official Gazette.

(3) **Scope and extent of application.**—These regulations shall be applicable to electrical installation including electrical plant and electric line, and the person engaged in the generation or transmission or distribution or trading or supply or use of electricity.

2. **Definitions.**—(1) In these regulations, unless the context otherwise requires,

- (a) "Act" means the Electricity Act, 2003 (36 of 2003);
- (b) "accessible" means within physical reach without the use of any appliance or special effort;
- (c) "aerial bunched cable" means polyethylene or cross linked polyethylene insulated cable having three or four cores with aluminium conductors twisted over a central bare or insulated aluminium alloy or steel messenger wire;
- (d) "apparatus" means electrical apparatus and includes all machines, fittings, accessories and appliances in which conductors are used;
- (e) "bare" means not covered with insulating materials;
- (f) "bonding conductor" means the inter connecting conductors for the purpose of equipotential bonding with the main earth;
- (g) "cable" means a length of insulated single conductor, solid or stranded, or two or more such conductors each provided with its own insulation, which are laid up together;
- (h) "chartered electrical safety engineer" means a person authorised by the Appropriate Government as referred in regulation 6;
- (i) "circuit" means an arrangement of conductor or conductors for conveying electricity and forming a system or a branch of a system and protected at the origin;
- (j) "circuit breaker" means a mechanical switching device, capable of making, carrying and breaking currents under normal circuit conditions and also making, carrying for a specified duration and breaking currents under specified abnormal circuit condition;
- (k) "concentric cable" means a composite cable comprising an inner conductor which is insulated and one or more outer conductors which are insulated from one another and are disposed over the insulation of, and more or less around, the inner conductor;
- (l) "conductor" means any wire, cable, bar, tube, rail or plate used for conducting electricity;



*Explanation.* — For the purposes of this regulation "shock proof", as applied to X-ray and high-frequency equipment, shall mean that such equipment is guarded with earthed metal so that no person may come into contact with any live part.

(2) In the case of nonshock proof equipment:-

- (i) the overhead conductors of voltage exceeding 650 V but not exceeding 33 kV, unless suitably guarded against personal contact, shall be adequately spaced and high voltage leads on tilting tables and fluoroscopes shall be adequately insulated or so surrounded by barriers as to prevent inadvertent contact;
  - (ii) the circuit of voltage not exceeding 250 V of the step up transformer shall contain a manually operated control device having overload protection, in addition to the over current device for circuit protection, and these devices shall have no exposed live parts and for diagnostic work there shall be an additional switch in the said circuit, which shall be of one of the following types:-
    - (a) a switch with a spring or other mechanism that will open automatically except while held close by the operator; or
    - (b) a time switch which will open automatically after a definite period of time for which it has been set;
  - (iii) if more than one piece of apparatus be operated from the same source of voltage exceeding 650 V, each shall be provided with a switch of voltage exceeding 650 V to give independent control;
  - (iv) low frequency current-carrying parts of a machine of the quenched-gap or open gap type shall be so insulated or guarded that they cannot be touched during operation but the high frequency circuit-proper which delivers high-frequency current normally for the therapeutic purposes shall be exempt from such insulation;
  - (v) all X-ray generators having capacitors shall have suitable means for discharging the capacitors manually; and
  - (vi) except in the case of self-contained units, all 200 kV peak or higher X-ray generators shall have a sphere gap installed in the system of voltage exceeding 650 V but not exceeding 33 kV adjusted so that it will break down on over voltage surges.
- (3) (i) all non-current carrying metal parts of tube stands, fluoroscopes and other apparatus shall be properly earthed and insulating floors, mats or platforms shall be provided for operators in proximity to parts of voltage exceeding 650 V unless such parts have been rendered shock proof; and
- (ii) where short wave therapy machines are used, the treatment tables and examining chairs shall be wholly non-metallic.
- (4) The owner of any X-ray installation or similar high frequency apparatus shall not bring the same into use without giving to the Electrical Inspector not less than fourteen days' notice in writing of his intention to do so:

Provided that the aforesaid notice shall not be necessary in the case of shock-proof portable X-ray and high-frequency equipment which have been inspected before the commencement of their use and periodically thereafter.

## Chapter VII

### Safety requirements for overhead lines and underground cables

57. **Material and strength.** — (1) All conductors of overhead lines other than those provided in regulation 70 shall have a breaking strength of not less than 350 kgf.
- (2) Where the voltage does not exceed 250 V and the span is less than fifteen metre and is drawn through the owner's or consumer's premises, a conductor having an actual breaking strength of not less than 150 kgf may be used.
58. **Joints.** — (1) No conductor or earthwire of an overhead line shall have more than one joint in a span:
- Provided that there shall be no joints in the conductor or earthwire in a span of crossing over the highways, expressways and railway lines.
- (2) The joint between conductors or earthwires of overhead lines shall be mechanically and electrically secured



under the conditions of operation and the ultimate strength and the electrical conductivity of the joint shall be as per relevant standards.

**59. Maximum stresses and factors of safety.** – (1) The load and permissible stresses on the structural members, conductors and earth wire of self supporting steel lattice towers or steel monopole towers for overhead transmission lines shall be as per relevant standards.

(2) Overhead lines not covered in sub-regulation (1) shall have the minimum factors of safety as per the table given below:-

Description	Minimum factor of safety
metal supports	1.5
mechanically processed concrete supports	2.0
hand-moulded concrete supports	2.5
wood supports	3.0

(3) The minimum factor of safety shall be based on such load as may cause failure of the support to perform its function, assuming that the foundation and other components of the structure are intact.

(4) The load shall be equivalent to the yield point stress or the modulus of rupture, as the case may be, for supports subject to bending and vertical loads and the crippling load for supports used as strut.

(5) The strength of the supports of the overhead lines in the direction of the line shall not be less than one-fourth of the strength required in the direction transverse to the line.

(6) The minimum factor of safety for stay-wires, guard-wires or bearer-wires shall be 2.5 based on the ultimate tensile strength of the wire.

(7) The tension limit for conductor and earth wire shall be as per relevant standards.

(8) For the purpose of calculating the factors of safety in sub-regulation (2), the following conditions shall be observed, namely:—

- (i) the maximum wind pressure shall be as specified in the relevant standards;
- (ii) for cylindrical bodies the effective area shall be taken as full projected area exposed to wind pressure; and
- (iii) the maximum and minimum temperatures shall be as specified in the relevant standards.

(9) Notwithstanding anything contained in sub-regulation (2) to (8), in localities where overhead lines are likely to accumulate ice or snow, the load and permissible stresses on the structural members, conductors and earth wire of self supporting steel lattice towers and steel monopole towers for overhead transmission lines shall be as per relevant standards and in accordance with the specifications laid down, from time to time, by the Appropriate Government by order in writing.

**60. Clearance in air of the lowest conductor of overhead lines.** – (1) The minimum clearance above ground and across road surface of National Highway or Expressway or State Highway or other road or highest traction conductor of railway corridor or navigational or non-navigational river of the lowest conductor of an alternating current overhead line, including service lines, of nominal voltage shall have the values specified in Schedule VIII A.

(2) The minimum clearances regarding high voltage direct current line shall be as per Schedule VIII B.

(3) In case of Electric lines of 33 kV and below passing through the protected areas (National Parks, Wildlife Sanctuaries, Conservation Reserves, Community Reserves), Eco-sensitive zones around the protected areas and Wildlife Corridors, only underground cable shall be used.

(4) No tower footing or structure of an overhead line of voltage 33 kV or above or high voltage direct current, shall be closer than twenty five metre from the edge of the right of way of a Petroleum or Natural Gas pipeline.

(5) Wherever overhead line of voltage 33 kV or above or high voltage direct current intending to cross the right of way of a Petroleum or Natural Gas pipeline, the angle of crossing of the overhead line with respect to the pipelines shall preferably be at right angles and, in any case, the crossing angle shall not be less than seventy five degrees.

**61. Clearance between conductors and trolley wires.** – (1) No conductor of an overhead line crossing a tramway or trolley bus route using trolley wires shall have less than the following clearances above any trolley wire, namely:—



(Signature and name of Manager/Executive Engineer/ Incharge of the installation)

Contact details (Address /Mobile No./Phone No./Email)

To,

The Secretary

Central Electricity Authority

Sewa Bhawan, R.K. Puram

New Delhi-110066

#### Schedule VIII A

Minimum clearance in air above ground and across road surface of Highways or roads or railway corridors or navigational or non-navigational rivers for lowest conductor of an alternating current overhead lines, including service lines of nominal voltage system.

[See sub-regulation (1) of regulation (60)]

Nominal voltage of system	Clearance above ground			Clearance between conductor and road surface across Highway (m)	Clearance between conductor and rail level across Railway Corridor (m)		Clearance above HFL for River crossing	
	Across Street (m)	Along Street (m)	Elsewhere (m)		Normal OHE (where no double stack containers are to be run on railway tracks.)	High rise OHE for running of double stack containers on railway tracks.	Navigational river (m)	Non-navigational river (m)
Up to 650 V	5.80	5.50	4.60	U/G Cable	U/G Cable	U/G Cable	16.50	5.80
11 kV	6.50	5.80	4.60	U/G Cable	U/G Cable	U/G Cable	19.00	6.50
22 kV	6.50	5.80	5.20	U/G Cable	U/G Cable	U/G Cable	19.00	6.50
33 kV	6.50	5.80	5.20	11.60 or U/G Cable	U/G Cable	U/G Cable	19.00	6.50
66 kV	6.50	6.10	5.50	11.60 or U/G Cable	U/G Cable	U/G Cable	19.00	6.50
110 kV	6.50	6.10	6.10	11.60	15.56	17.56	19.00	6.50
132 kV	6.50	6.10	6.10	11.60	15.56	17.56	19.22	6.50
220 kV	7.02	7.02	7.02	12.52	16.46	18.46	20.10	7.02
400 kV	8.84	8.84	8.84	14.00	18.26	20.26	21.90	8.84
765 kV	18.00*	18.00*	18.00*	18.80	21.86	23.86	25.55	18.00
1200 kV	24.00*	24.00*	24.00*	30.00	25.46	27.46	29.90	24.00

For navigable rivers, clearances shall be fixed in relation to the tallest mast in consultation with the concerned navigational/port authorities.

\* Higher clearance due to predominantly induction effects and time varying electric field (ICNIRP limit: 10kV/m for occupational exposure) at voltage exceeding 400 kV.

**CHHATTISGARH STATE POWER DISTRIBUTION COMPANY LTD.**



(A Government of Chhattisgarh Undertaking) (A Successor Company of CSEB)

CIN- U40108CT2003SGC015822

Office of Executive Director (O&M) CSPDCL Raipur

E-Mail-[ceonm.raipur@cspe.co.in](mailto:ceonm.raipur@cspe.co.in)

No. 02-01/Works-I/ 3976

Raipur, Dated

15 JAN 2025

**CIRCULAR**

**Sub:- Revised methodology for Estimate Preparation w.e.f. date of Issue.**

- Ref:-** 1.ED(O&M) Raipur Circular No. 02-01/works/ 3999 Raipur Dtd 29/09/2018.  
2. ED(O&M) Raipur Circular No. 02-01/works/ 5684 Raipur Dtd 28/01/2019.  
3. ED(O&M) Raipur Circular No. 02-01/works/ 5580 Raipur Dtd 28/03/2024.  
4. ED (O&M) Raipur Circular No. 02-01/works/3248 Raipur Dtd 28/11/2024.

—0—

In partial modification to above Circular, the revised methodology for estimate preparation after GST exemption on output services vide notification no. 08/2024-Central/Rate (Tax) dated 08th October, 2024 by Ministry of Finance inserting entry No. 25A Supply of Service by way of providing metering equipment on rent, testing for meters/transformers/capacitors etc. releasing electricity connections, shifting of meters/service line Issuing duplicates bill etc. All LT NSC connections will be carried out under ND obligatory scheme as LT limit increases from 112kw to 150kw (200HP) vide CSERC (Suo-motu no. 61 of 2024) order Dtd 20.09.2024. The revised methodology for Estimate preparation is given below:

- (A) For estimates where work is to be carried out from company's own fund and all Government scheme including NSC related work-**  
**(061,062,055,063,63A,63C,064,036,077,051,020,032,028)**

S.N.	Particulars	Amount	Example
1	Material Cost as per SoR (Inc. GST)	A	118.00
2	Incidental charges@ 7.5% On (On Cost of material A)	B	8.85
3	Labour Charges; assuming Rs 20	C	20.00
4	Transportation Charges; assuming Rs 5	D	5.00
5	Applicable Overhead Charges % Of (A+B+C+D) Present rate 12.5%	E	18.98
	<b>Total Estimate Cost (A+B+C+D+E)</b>	<b>F</b>	<b>170.83</b>

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(B) For estimate where the cost of works is deposited by Applicant (035) -

S.N.	Particulars	Amount	Example
1	Material Cost as per SoR	A	118.00
2	Material Cost Excluding GST (A/1.18)	B	100
3	Incidental @ 7.5% On (On Cost of material B)	C	7.5
4	Labour Charges; assuming Rs 20	D	20.00
5	Transportation Charges; assuming Rs 5	E	5.00
6	Applicable Overhead Charges % Of (B+C+D+E) Present rate 12.5%	F	16.56
7	Supervision charges applicable if any as % of (A+D), assume 15% for calculation purpose	G	20.70
8	<b>Total Estimate Cost Excluding GST (B to G)</b>	H	169.76
9	Applicable CGST @ 9% On (H)	I	15.27
10	Applicable SGST @ 9% On (H)	J	15.27
11	<b>Total Estimate Cost to be deposited by Applicant Including GST (H+I+J)</b>	K	200.3

(C) For estimate where the applicant will carry out the work through 'A' class contractor after depositing Supervision charges and GST on Supervision Charges (35A) -

S.N.	Particulars	Amt.	Example
1	Material Cost as per SoR	A	118.00
2	Material Cost Excluding GST (A/1.18)	B	100
3	Incidental @ 7.5% On (On Cost of material B)	C	7.5
4	Labour Charges; assuming Rs 20	D	20.00
5	Transportation Charges; assuming Rs 5	E	5.00
6	Applicable Overhead Charges % Of (B+C+D+E) Present rate 12.5%	F	16.56
7	<b>Total Estimate Cost Excluding Supervision &amp; GST (B to F)</b>	G	149.06
8	Supervision charges applicable if any as % of (B+D), assume 15% for calculation purpose	H	18.00
9	Applicable CGST payable by applicant on Supervision charges @ 9% On (H)	I	1.62
10	Applicable SGST payable by applicant on Supervision charges @ 9% On (H)	J	1.62
11	<b>Total Cost to be deposited by Applicant Including GST (H+I+J)</b>	K	21.24

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(D) For estimate where the applicant will carry out the work through 'A' class contractor, after depositing Supervision charges (63B) including NSC related work -

S.N.	Particulars	Amount	Example
1	Material Cost as per SoR	A	118.00
2	Material Cost Excluding GST (A/1.18)	B	100
3	Incidental @ 7.5% On (On Cost of material B)	C	7.5
4	Labour Charges; assuming Rs 20	D	20.00
5	Transportation Charges; assuming Rs 5	E	5.00
6	Applicable Overhead Charges % Of (B+C+D+E) Present rate 12.5%	F	16.56
7	<b>Total Estimate Cost Excluding Supervision &amp; GST (B to F)</b>	G	149.06
8	Supervision charges applicable if any as % of (B+D), assume 15% for calculation purpose	H	18.00
9	<b>Total Cost to be deposited by Applicant (H)</b>	K	18.00

The above revision are made effective from date of issue of this circular. All new estimates are to be prepared accordingly. Further, Tenders shall continue to be issued as follows:

S.N	Particulars	Amt.	Example	Remark
1	Material Cost (excluding GST)	A	100	Initially Rs. 118, after deloading GST 18% comes out of Rs. 100
2	Incidental @ 7.5% On A	B	7.5	
3	Labour ; assuming Rs 20	C	20.00	
4	Transportation ; assuming Rs 5	D	5.00	
5	Value of work for Tender (A+B+C+D)	E	132.50	
6	Contractors Quote in % ; assuming 5% on (E)	F	6.63	
7	Total Value of Awarded work (E+F)	G	139.13	
8	CGST @ 9% on G	H	12.52	
9	SGST @ 9% On G	I	12.52	
10	<b>Total value of work including GST (G+H+I)</b>	J	<b>164.17</b>	

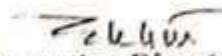
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///A///

Further, the above guidelines be circulated to all your subordinate officers & ensure strict compliance.

Encls:- As above.

  
Executive Director (O&M)  
CSPDCL, RAIPUR

**Copy to:-**

1. The Executive Director/Chief Engineer  
(F&A/HR/S&P/Revenue/Project/RA&PM/EITC/Trg-R&D/Vigilance /Civil/RR-  
City/RR-Rural/BR/Raigarh R/ DR/RajR/AR/ JR),
2. The Superintending Engineer(City-I/II/MT/Civil/Store) Circle  
CSPDCL, \_\_\_\_\_
3. The Executive Engineer(O&M/City/ MT/STM/AMR/Proj/Civil/Store)  
CSPDCL -----
4. The Staff officer ,O/o MD(CSPDCL), Raipur.
5. The Senior Accounts Officer /Assistant Manager (CAU)/ Raipur-I/II  
/Bilaspur/Durg/Jagdalpur/Ambikpur / Janjgir-Champa/ Rajnandgoan CSPDCL.

Note:- The ED (EITC)CSPDCL, Raipur is requested to upload the same on Urjainet

# छत्तीसगढ़ स्टेट पावर डिस्ट्रीब्यूशन कंपनी लिमिटेड



(छत्तीसगढ़ शासन का एक उपक्रम) (छ.रा.वि.गं. की उत्तरवर्ती कंपनी)

सी.आई.एन. : U40108CT2003SGC015822

कार्यालय कार्यपालक निदेशक (संचा-संधा) रायपुर

कं. 02-01/कार्य-1/11743

रायपुर, दिनांक 06 MAR 2025

प्रति,

कार्यपालक निदेशक/मुख्य अभियंता (— — — — —क्षे.)

छग.स्टे.पॉ.डि.कं.लि., — — — — —

विषय :- निर्धारित सुपरविजन चार्ज भुगतान कर आवेदक पक्ष द्वारा 'ए' क्लास विद्युत ठेकेदार के माध्यम से कार्य कराने में वितरण ट्रांसफार्मर लगाने बाबत।

— 00 —

प्रायः यह देखा जा रहा है कि मैदानी अधिकारियों द्वारा पंपों के विद्युतीकरण हेतु 'ए' क्लास विद्युत ठेकेदार के माध्यम से कार्य कराये गये हैं जिसकी जांच वर्तमान में कराई गई है।

इस कार्यालय द्वारा शिड्यूल ऑफ रेट 2023-24 हेतु पत्र क्रमांक 02-01/WK-1/F.No. 20 [Vol. 16 (A)]/ 1049 रायपुर दिनांक 05.04.2023 के माध्यम से जारी महत्वपूर्ण निर्देशों में कंडिका 3 (iii) में स्पष्ट उल्लेखित है कि सभी स्कीमों (024 को छोड़कर) में वितरण ट्रांसफार्मर सी.एस.पी.डी.सी.एल. द्वारा ही कय किये जावेंगे।

उक्त स्पष्ट निर्देशों के बाद भी मैदानी अधिकारियों द्वारा वितरण ट्रांसफार्मर 15 प्रतिशत सुपरविजन चार्ज का भुगतान कराकर आवेदक द्वारा कय कराकर स्थापित कराना बेहद गंभीर विसंगति है, जिसे तत्काल रोक लगावें।

विधानसभा बजट सत्र 2025 में प्रश्न विशेष के परिपेक्ष्य में प्राप्त जानकारी के अनुरूप सिंचाई पंप कनेक्शनों के कार्य 15 प्रतिशत सुपरविजन के तहत आवेदक पक्ष द्वारा 'ए' क्लास विद्युत ठेकेदार के माध्यम से किया जाना पाया गया जिसमें प्रकरण विशेष की समीक्षा में गंभीर विसंगतियां अवलोकित हुई हैं।


अतः आपको व्यक्तिगत रूप से निर्देशित किया जाता है कि 15 प्रतिशत सुपरविजन चार्ज का भुगतान कर आवेदक द्वारा 'ए' क्लास विद्युत ठेकेदार के माध्यम से कराये गये कार्यों की गहन समीक्षा करें एवं यदि दिनांक 01.04.2023 के उपरांत यदि प्रकरण विशेष में वितरण ट्रांसफार्मर आवेदक द्वारा कय कर स्थापित किया जाना पाये जाने पर जिम्मेदार कार्यपालन यंत्री, सहायक यंत्री के विरुद्ध अनुशासनात्मक कार्यवाही संस्थित किया जाना सुनिश्चित करें।



भविष्य हेतु स्पष्ट रूप से निर्देशित किया जाता है कि शिड्यूल ऑफ रेट के महत्वपूर्ण निर्देशों के परिपालन सुनिश्चित करने के साथ साथ कृषि सिंचाई पंप कनेक्शनों के संबंध में स्पष्ट रूप से निर्देशित किया जाता है कि कृषि सिंचाई पंप कनेक्शनों के विस्तार कार्य पूर्ण रूपेण विद्युत कंपनी द्वारा ही कराये जावेंगे यदि उपभोक्ता वरीयता कम से हटकर प्राथमिकता पर कार्य कराना चाहता है तो वह विस्तार कार्य हेतु स्वीकृत प्राक्कलन की पूर्ण राशि का भुगतान कर विद्युत कंपनी के माध्यम से विस्तार कार्य करा सकता है।

कृपया उक्त निर्देशों को कनिष्ठ अभियंता स्तर तक के अधिकारियों को प्रसारित कर कड़ाई से पालन कराना सुनिश्चित करें। इस कार्यालय द्वारा प्रसारित निर्देशों के उल्लंघन करने पर संबंधित अधिकारियों के विरुद्ध अनुशासनात्मक कार्यवाही करना सुनिश्चित करें।

संलग्न :- उपरोक्तानुसार।

 कार्यपालक निदेशक (संचा-संधा)  
छ.ग.स्टे.पॉ.डि.कं.लि., रायपुर

प्रतिलिपि :-

1. अधीक्षण अभियंता (वृत्त) छ.ग.स्टे.पॉ.डि.कं.लि.,  
अधीनस्थ कार्यालयों को उच्च कार्यालय से प्रदत्त निर्देशों की जानकारी एवं परिपालन सुनिश्चित करावें।

छत्तीसगढ़ स्टेट पावर डिस्ट्रीब्यूशन कम्पनी लिमिटेड डंगनिया:: रायपुर  
(छत्तीसगढ़ शासन का एक उपक्रम) (छ.रा.वि.मं. की एक उत्तरवर्ती कंपनी)  
CIN U40108CT2003SGC015822  
कार्या. मुख्य अभियंता (सं./सं.), सी.एस.पी.डी.सी.एल., रायपुर,  
Email ID: ceonm.raipur@cspc.co.in

क्र.02-01/सामा.-11/1668  
प्रति,

रायपुर दिनांक 30/7/24

अधीक्षण अभियंता (वृत्त),  
सी.एस.पी.डी.सी.एल.,  
..... ।

विषय :-जंगली हाथियों के प्रबंधन एवं सुरक्षा हेतु 33 के.व्ही. विद्युत लाईनों के लुज पाइन्ट मानक ऊंचाई में करने हेतु बैठक आयोजित करने बाबत । WP (PIL) No.-05/2018 में माननीय छत्तीसगढ़ उच्च न्यायालय, विलासपुर के निर्णय दिनांक 12.03.2019 पर कार्यवाही के संबंध में बैठक का कार्यवाही विवरण भेजने बाबत ।

संदर्भ :-अवर सचिव, छत्तीसगढ़ शासन, वन एवं जलवायु परिवर्तन विभाग का पत्र क्रमांक /2638/197/2020/10-2 नवा रायपुर, अटल नगर, दिनांक 12.07.2024.

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प्रदेश में जंगली हाथियों की विद्युत करेंट से हो रही मृत्यु की समस्या के समाधान हेतु विद्युत लाईन की हाईट बढ़ाने, Restraining एवं कवर्ड कण्डक्टर लगाने के संबंध में अपर मुख्य सचिव, छत्तीसगढ़ शासन, वन एवं जलवायु परिवर्तन विभाग की अध्यक्षता में दिनांक 26.06.2024 को आयोजित बैठक का कार्यवाही विवरण संलग्न प्रेषित है । बैठक विवरण इस पत्र के साथ संलग्न कर आवश्यक कार्यवाही हेतु प्रेषित है । बैठक में दिये गये निर्देश/सलाह अनुसार पालन प्रतिवेदन 15 दिवस के अंदर इस कार्यालय को अवगत कराया जाना सुनिश्चित करें । संदर्भित पत्र के साथ संलग्न पत्र क्रमांक 5598 दिनांक 20.12.2023 की PDF प्रति Urjainet ---> Temp ---> CE(O&M) ---> General में उपलब्ध है ।

संलग्न : उपरोक्तानुसार ।

मुख्य अभियंता (संचा./संघा.)  
सी.एस.पी.डी.सी.एल., रायपुर

प्रतिलिपि :-

कार्यपालक निदेशक/मुख्य अभियंता (क्षे.) सी.एस.पी.डी.सी.एल., ..... ।



**छत्तीसगढ़ शासन**  
वन एवं जलवायु परिवर्तन विभाग  
मंत्रालय  
महानदी भवन, नवा रायपुर, अटल नगर,

क्रमांक/ /197/2020/10-2  
प्रति

नवा रायपुर, अटल नगर, दिनांक /2024

सचिव,  
छत्तीसगढ़ शासन,  
ऊर्जा विभाग,  
मंत्रालय महानदी भवन,  
नवा रायपुर अटल नगर

विषय :- जंगली हाथियों के प्रबंधन एवं सुरक्षा हेतु 33 के.सी. विपुल लाईनों के तुज पाईन्ट मानक ऊँचाई में करने हेतु बैठक आयोजित करने बाबत। WIP (IPL) No. 05/2018 में माननीय छत्तीसगढ़ उच्च न्यायालय दिलासपुर के निर्णय दिनांक 12.03.2019 पर कार्यवाही के संबंध में बैठक का कार्यवाही विवरण भेजने बाबत।

संदर्भ:- इस विभाग का पत्र क्रमांक 2214/197/2020/10-2, दिनांक 18.06.2024

उपरोक्त विषयांतर्गत लेख है कि संदर्भित पत्र के द्वारा अपर मुख्य सचिव, छत्तीसगढ़ शासन, वन एवं जलवायु परिवर्तन विभाग की अध्यक्षता में दिनांक 26.06.2024 को आयोजित बैठक का कार्यवाही विवरण संलग्न प्रेषित है। कृपया कार्यवाही विवरण में आपके विभाग से संबंधित बिन्दुओं के पालन में अपने विभाग के संबंधित अधिकारियों को अपने स्तर से भी निर्देशित करते हुये इस विभाग को भी अवगत कराने का कष्ट करें।

संलग्न:- दिनांक 26.06.2024 का कार्यवाही विवरण (05 पृष्ठीय)  
(संलग्नक- 175 पृष्ठीय केवल ईमेल पर प्रेषित)।

( के.एल. मांझी )

अवर सचिव  
छत्तीसगढ़ शासन,  
वन एवं जलवायु परिवर्तन विभाग

पृ0क्रमांक/ 2638/197/2020/10-2  
प्रतिलिपि:-

नवा रायपुर, अटल नगर, दिनांक 12/7/2024

1. प्रधान मुख्य वन संरक्षक (वन्यप्राणी) छत्तीसगढ़ अरण्य भवन, नवा रायपुर अटल नगर की प्रेषित। कृपया एजेंडा बिन्दुओं का पालन प्रतिवेदन 15 दिवस के भीतर भेजने का कष्ट करें।
2. प्रधान मुख्य वन संरक्षक एवं वन वल प्रमुख, छत्तीसगढ़ अरण्य भवन, नवा रायपुर अटल नगर
3. अपर प्रधान मुख्य वन संरक्षक (भू-प्रबंध) कार्यालय प्रधान मुख्य वन संरक्षक, अरण्य भवन, नवा रायपुर अटल नगर

✓ श्री के.एल. भारती, अतिरिक्त मुख्य अभियन्ता, (O&M) छत्तीसगढ़ राज्य पावर वितरण कंपनी, रायपुर - की ओर आवश्यक कार्यवाही हेतु प्रेषित।

संलग्न:- दिनांक 26.06.2024 का कार्यवाही विवरण।

(संलग्नक- 175 पृष्ठीय केवल ईमेल पर प्रेषित)।

अवर सचिव  
छत्तीसगढ़ शासन,  
वन एवं जलवायु परिवर्तन विभाग

जी हाथियों के प्रबंधन एवं सुरक्षा हेतु 33 के.वी. विद्युत लाईनों के लूज पाइन्ट मानक उंचाई में करने एवं WP (PIL) 05/2018 में माननीय छत्तीसगढ़ उच्च न्यायालय विलासपुर के निर्णय दिनांक 12.03.2019 पर कार्यवाही के संबंध में अद्यतन स्थिति की समीक्षा बैठक दिनांक 26.06.2024 का कार्यवाही विवरण।

दिनांक 26.6.2024 को अपर मुख्य मांचय, छत्तीसगढ़ शासन, वन एवं जलवायु परिवर्तन विभाग की अध्यक्षता में मंत्रालय, महानदी भवन, नवा रायपुर में वृक्ष क. एस-2/12 में बैठक आयोजित की गई। बैठक में निम्नानुसार उपस्थित रहे :-

1. श्री अमरनाथ प्रसाद, सचिव, छ.ग. शासन, वन एवं जलवायु परिवर्तन विभाग, मंत्रालय महानदी भवन, नवा रायपुर।
2. श्री सुधीर कुमार अग्रवाल, प्रधान मुख्य वन संरक्षक (वन्यजीवन) छत्तीसगढ़।
3. श्री सुनील कुमार मिश्रा, अपर प्रधान मुख्य वन संरक्षक (भू-प्रबंध) छत्तीसगढ़।
4. श्री प्रेम कुमार, अपर प्रधान मुख्य वन संरक्षक (वन्यजीवन) छत्तीसगढ़।
5. श्री के. एस. भारती, अपर मुख्य अभियंता, ऊर्जा विभाग।
6. श्री आशुतोष जायसवाल, कार्यपालन अभियंता, ऊर्जा विभाग।
7. श्री मनीष तलारेजा, अधीक्षण अभियंता, सीएसपीडीसीएल रायगढ़।
8. श्री आर. के. टाकुर, अधीक्षण अभियंता, सीएसपीडीसीएल बैकुण्ठपुर।

2/- बैठक में जंगली हाथियों के प्रबंधन एवं सुरक्षा हेतु 33 के.वी. विद्युत लाईनों के लूज पाइन्ट मानक उंचाई में करने एवं WP (PIL) 05/2018 में माननीय छत्तीसगढ़ उच्च न्यायालय विलासपुर के निर्णय दिनांक 12.03.2019 पर कार्यवाही के संबंध में अद्यतन स्थिति की समीक्षा के संबंध में निम्नानुसार एजेण्डा पर चर्चा की गई :-

एजेण्डा क्र.	विषय
एजेण्डा क्र. 1	माननीय उच्च न्यायालय विलासपुर के आदेश दिनांक 12.03.2019 के अनुपालन में की जाने वाली आवश्यक कार्यवाही/गतिविधियाँ।
एजेण्डा क्र. 2	Required Activities/Works के मध्य प्राथमिकताओं के निर्धारण एवं वित्तीय व्यवस्था के संबंध में।
एजेण्डा क्र. 3	गत 02 वर्षों में विजली करेंट में हाथियों की मृत्यु की घटनाओं की संख्या की जानकारी।
एजेण्डा क्र. 4	अन्य बिन्दु आवश्यकतानुसार।

उपरोक्त बिन्दुओं पर हुई चर्चा एवं निर्देश निम्नानुसार है :-

3/- एजेण्डा क्रमांक- 1 :- माननीय उच्च न्यायालय विलासपुर के आदेश दिनांक 12.03.2019 के अनुपालन में की जाने वाली आवश्यक कार्यवाही/गतिविधियाँ।

- 3.1 मान. उच्च न्यायालय ने अपने निर्णय में हाथियों को विद्युत करेंट लगने से होने वाली मृत्यु की रोकथाम हेतु ऊर्जा एवं वन विभागों को आपस में समन्वय स्थापित कर आवश्यक कार्य करने हेतु निर्देश दिये गये हैं ताकि भविष्य में विद्युत करेंट से हाथियों की मृत्यु न हो। मान. उच्च न्यायालय के उक्त निर्देश के अनुक्रम में प्रधान मुख्य वन संरक्षक (वन्यप्राणी) द्वारा ऊर्जा

Y L 12/07/24



विभाग के अधिकारियों के साथ दिनांक 15.12.2023 का बैठक आयोजित कर वस्तुस्थिति की समीक्षा की गयी थी तथा समीक्षा के आधार पर भावी हेतु किये जाने वाले कार्यों को सूचीबद्ध कर पूर्ण करने के निर्देश दिये गये थे। बैठक में प्रधान मुख्य वन संरक्षक (वन्यप्राणी) की अध्यक्षता में आयोजित बैठक के निर्देशों, गानगीय उच्च न्यायालय के आदेश दिनांक 12.03.2019, भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय नई दिल्ली के द्वारा समय समय पर जारी निर्देशों/अनुशङ्गाओं, भारत सरकार, विद्युत मंत्रालय, केन्द्रीय विद्युत प्राधिकरण मुख्य विद्युत निगमालय प्रभाग, नई दिल्ली के द्वारा जारी दिशा-निर्देशों के पालन की समीक्षा की गयी।

3.2 बैठक में दिनांक 15.12.2023 को प्रधान मुख्य वन संरक्षक (वन्यप्राणी) की अध्यक्षता में आयोजित अंतरविभागीय बैठक का विन्दुवार पालन प्रतिवेदन ऊर्जा विभाग द्वारा प्रस्तुत किया गया। प्रधान मुख्य वन संरक्षक (वन्यप्राणी) की अध्यक्षता में आयोजित बैठक का कार्यवाही विवरण एवं ऊर्जा विभाग द्वारा प्रस्तुत पालन प्रतिवेदन की प्रती क्रमशः परिशिष्ट 1 एवं 2 के रूप में संलग्न है। ऊर्जा विभाग द्वारा अंतरविभागीय बैठक दिनांक 15.12.2023 के विन्दुओं पर बताई गई प्रगति पर अपर मुख्य सचिव, वन एवं जलवायु परिवर्तन विभाग द्वारा निर्देशित किया गया कि चूंकि हाथी की सुरक्षा हेतु विद्युत तारों/पोल के प्रबंधन के लिये समय के साथ-साथ नये लक्ष्य स्थापित होते रहेंगे। अतः ऊर्जा विभाग एवं वन एवं जलवायु परिवर्तन विभाग का प्रयास सतत एवं लगातार रहना चाहिए।

3.3 बैठक में हाथी प्रभावित वनगडलाधिकारियों से हाथी विवरण क्षेत्र के वनक्षेत्र एवं गैर वनक्षेत्र से गुजरने वाले विद्युत लाईन के लूज पाईंटों की जी.पी.एस. को-ऑर्डिनेट के साथ प्रस्तुत किया गया है (परिशिष्ट-3)।

3.4 प्रधान मुख्य वन संरक्षक (वन्यप्राणी) की अध्यक्षता में बैठक दिनांक 15.12.2023 के आलोक में जारी किये गये कार्यवाही विवरण के अनुसार ऊर्जा विभाग द्वारा प्रस्तुत प्रगति प्रतिवेदन की समीक्षा की गयी जिसके अनुसार ऊर्जा विभाग द्वारा हाथी प्रभावित जिलों के कुछ स्थानों पर लूज पाईंट को कसने, अतिरिक्त पोल लगाकर उंचाई बढ़ाने इत्यादि की कार्यवाही की गयी है तथा अनेक स्थानों पर कार्यवाही प्रगतिरत है। शेष बचे प्रत्येक लूज पाईंट को सुधार करने के कार्य को प्राथमिकता प्रदान कर यथार्थाप पूर्ण करने के निर्देश दिये गये।

4/- एजेण्डा क्रमांक- 2 :- Required Activities/Works के मध्य प्राथमिकताओं के निर्धारण एवं वित्तीय व्यवस्था के संबंध में।

4.1 बैठक में अपर मुख्य सचिव, वन एवं जलवायु परिवर्तन विभाग को लूज पाईंटों की पहचान के बारे में जानकारी दी गई कि समय के साथ लूज पाईंटों की संख्या बढ़ती रहती है। वन एवं जलवायु परिवर्तन विभाग के अधिकारियों द्वारा बताया गया कि वर्तमान में लगभग 1900 लूज पाईंटों की पहचान वन एवं जलवायु परिवर्तन विभाग द्वारा की गई है। अपर मुख्य सचिव, वन एवं जलवायु परिवर्तन विभाग द्वारा निर्देशित किया गया कि वन एवं जलवायु परिवर्तन विभाग द्वारा बैठक में जिन लूज पाईंटों की जानकारी उनके जी.पी.एस. को-ऑर्डिनेट सहित ऊर्जा विभाग को दी गई है, उनके सुधार हेतु शीघ्र कार्यवाही की जाये।

(कार्यवाही - प्रधान मुख्य वन संरक्षक (वन्यप्राणी)/ऊर्जा विभाग/सीएसपीडीसीएल)

K. L. Mohan

4.2 इसके साथ ही अपर मुख्य सचिव महोदयों द्वारा निर्देशित किया गया कि इस हेतु एक गृहल शीट बनाया जाए तथा संबंधित लूज प्वाइंट पर सुधार करने की कार्यवाही उक्त शीट में रियलटाईम में प्रविष्टि की जा सके।

(कार्यवाही - प्रधान मुख्य वन संरक्षक (वन्यप्राणी)/ऊर्जा विभाग/सीएसपीडीसीएल)

4.3 अवैध विद्युत कनेक्शन एवं हूकअप के ऐसे प्वाइंट्स जो हाथियों के आवागमन क्षेत्र में आते हैं तथा जिनसे हाथियों के जान का खतरा हो सकता है उनको हटाने की कार्यवाही विद्युत विभाग द्वारा जारी रहे। इस संबंध में वनमण्डलाधिकारियों को जो भी जानकारी प्राप्त होगी, उसे वो उक्त जिले के विजली विभाग के अधिकारियों को उपलब्ध करावेंगे तथा वहां के विद्युत विभाग के जिले के अधिकारी उसे हटवावेंगे। विद्युत विभाग के माध्यम संज्ञान में भी अवैध हूकअप एवं कनेक्शन के प्रकरण आवेंगे, उस पर भी यह कार्यवाही करेंगे। इस संबंध में प्रधान मुख्य वन संरक्षक (वन्यप्राणी), ऊर्जा विभाग तथा सीएसपीडीसीएल अपने क्षेत्रीय अधिकारियों को पृथक से निर्देश जारी करेंगे तथा एक दूसरे को उसकी प्रतिलिपि देते हुये अवगत करावेंगे।

(कार्यवाही - प्रधान मुख्य वन संरक्षक (वन्यप्राणी)/ऊर्जा विभाग/सीएसपीडीसीएल)

4.4 बैठक में चर्चा के दौरान यह तथ्य प्रकाश में आया कि विजली के अवैध कनेक्शन के प्रकरण इस हेतु गठित स्पेशल कोर्ट में जाते हैं तथा वहां प्रकरण के निराकरण में अत्यधिक विलंब होता है एवं सजा भी कम है जिसके कारण लोगों में अवैध कनेक्शन का भय नहीं है तथा वे उक्त कृत्य को बार-बार दोहराते हैं। यदि भारतीय दंड संहिता से संबंधित कड़ी धाराओं का प्रयोग पुलिस थाने के माध्यम से दोषियों के विरुद्ध किया जाये तो उक्त अपराध पर विराम लगेगा। इस संबंध में ऊर्जा विभाग के द्वारा पृथक से गृह विभाग को लेख किया जा सकता है।

(कार्यवाही - ऊर्जा विभाग एवं सीएसपीडीसीएल)

5/- एजेण्डा क्रमांक- 3 :- गत 02 वर्षों में विजली कोर्ट में हाथियों की मृत्यु की घटनाओं की संख्या की जानकारी।

विद्युत कोर्ट से विगत वर्षों में हुई हाथियों की मृत्यु की संख्या की जानकारी निम्नानुसार है:-

वर्ष	हाथी मृत्यु की संख्या
2022	08
2023	10
2024 (तृन तक)	03
योग	21

विरस्तुत जानकारी परिशिष्ट-4 में संलग्न है।

6/- एजेण्डा क्र. 4 अन्य विन्दु आवश्यकतानुसार।

अपर मुख्य सचिव (वन एवं जलवायु परिवर्तन) अव्यक्त महोदयों की अनुमति से निम्नानुसार अतिरिक्त एजेण्डा पर चर्चा एवं निर्णय की अनुमति प्राप्त की गयी :-

"WP (PIL) 145/2021 में माननीय छत्तीसगढ़ उच्च न्यायालय बिलासपुर के आदेश दिनांक 09.04.2024 में की जाने वाली अग्रिम कार्यवाही बाबत।"

*K. L. Sharma*



- 6.1 WP (PIL) 145/2021 में माननीय प्रतीमण्ड उच्च न्यायालय विलासपुर द्वारा अपने आदेश दिनांक 09.04.2024 के आग जाँच्यों के केंद्र के द्वारा मृत्यु को रोकने के संबंध में निम्नलिखित निर्देश दिया गया है :-

*Let the matter be listed in the 1st week of August, 2024 leaving it open for learned counsel for the petitioner to point out whether any new instances taking place meanwhile. The progress report shall be filed by the State before the next date of hearing.*

- 6.2 माननीय उच्च न्यायालय विलासपुर के आदेश दिनांक 09.04.2024 के आदेशानुसार प्रगति प्रतिवेदन के संबंध में निम्नलिखित निर्देश दिये गये :-

- 6.2.1 उपरोक्त के अतिरिक्त वन क्षेत्रों से गुजरने वाले विद्युत लाईन के संबंध में निम्नलिखित निर्देशों एवं प्रावधानों को ध्यान में रखा जाये और आधिकारिकों को विस्तार से अवगत कराया गया:-

- (i) वन (संरक्षण एवं संवर्धन) अधिनियम, 1980 एवं उसकी मार्गदर्शिका में दर्शित प्रावधान।
- (ii) वन्यप्राणी (संरक्षण) अधिनियम, 1972 के संबंधित प्रावधान।
- (iii) भारत सरकार पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली का पत्र क्रमांक 2-11/2020-पीई दिनांक 06.07.2020 (परिशिष्ट-5)
- (iv) भारत सरकार, विद्युत मंत्रालय, केन्द्रीय विद्युत प्राधिकरण मुख्य विद्युत निरीक्षणालय प्रभाग, नई दिल्ली के द्वारा जारी पत्र क्रमांक CFI/1/2/2022/522 Dated 31-08-2022 (परिशिष्ट-6)
- (v) भारत सरकार पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली का पत्र क्रमांक 7-25/2012-एफसी दिनांक 24.10.2016 (परिशिष्ट-7)

- 6.2.2 वन विभाग के द्वारा ऊर्जा विभाग को विद्युत लाईन दिखाने के संबंध में पैरा 6.2.1 में दर्शित प्रावधानों को पालन किया जाना सुनिश्चित करने हेतु निर्देशित किया गया।

(कार्यवाही - ऊर्जा विभाग एवं सीएसपीडीसीएल)

- 6.2.3 उक्त दिशा-निर्देश के आलोक में ऊर्जा विभाग विजली के 11 के.वी. लाईन, 33 के.वी. लाईन एवं एल.टी. लाईन के झुले हुये तारों को कसने का काम, तार की ऊँचाई बढ़ाने का काम तथा वनक्षेत्र/हाथी रहवास/हाथी विचरण क्षेत्र में भूमिगत बिजली की लाईन दिखाने अथवा इन्फ्रारेड कैमरा लगाने का कार्य करेंगे तथा साईकलिंग रास्तों का प्रयोग करेंगे।

(कार्यवाही - ऊर्जा विभाग/सीएसपीडीसीएल)

- 6.2.4 ऊर्जा विभाग को इस बात से अवगत कराया गया कि वन विभाग वनों का कस्टोडियन है तथा ऊर्जा विभाग एवं उससे संबंधित सीएसपीडीसीएल यूजर एजेंसी के रूप में वनों का गैरवाणिज्यिक कार्य के लिए उपयोग करते हैं और उसके अनुसार

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विद्युत करोट से गीत से बचाने हेतु आवश्यक एहतियात बरतना ऊर्जा विभाग से अपेक्षित है। इस दिशा में ऊर्जा विभाग को केंद्रीय विद्युत प्राधिकरण के पत्र दिनांक 31.08.2022 द्वारा दिये गये निर्देशों का पालन सुनिश्चित करें।

(कार्यवाही - ऊर्जा विभाग/सीएसपीडीसीएल)

6.2.5 बैठक में दोनों विभागों द्वारा यह विचार व्यक्त किया गया कि ऊर्जा विभाग के विभागीय धनराशि के अलावा कैम्पा/डीएमएफ फंड से भी राशि प्राप्त होने की संभावना है पर विचार किया जाकर कारवाई की जाये।  
(कार्यवाही - कैम्पा फंड - प्रधान मुख्य वन संरक्षक (वन्यप्राणी) एवं मुख्य कार्यपालन अधिकारी कैम्पा तथा डीएमएफ फंड - ऊर्जा विभाग एवं सीएसपीडीसीएल द्वारा)

6.2.6 बैठक में अपर मुख्य सचिव (वन एवं जलवायु परिवर्तन) द्वारा निर्देशित किया गया कि भविष्य में मान. न्यायालय में वन विभाग अथवा ऊर्जा विभाग द्वारा जो भी जवाबदावा प्रस्तुत किया जाए वो दोनों विभाग के आपसी समन्वय से प्रस्तुत हो जिससे कि प्रस्तुत होने वाली जानकारी में एकरूपता रहे। साथ ही साथ दोनों विभाग के वरिष्ठ अधिकारीगण मुख्यालय स्तर पर बैठके करते रहे ताकि माननीय न्यायालय द्वारा दिये गये निर्देशों का बेहतर पालन सुनिश्चित हो।  
(कार्यवाही - प्रधान मुख्य वन संरक्षक (वन्यप्राणी)/ ऊर्जा विभाग/ सीएसपीडीसीएल द्वारा)

7/- उपरोक्त पश्चात अपर मुख्य सचिव, छ.ग. शासन वन एवं जलवायु परिवर्तन विभाग की अनुमति से बैठक समाप्त की गई।

कार्यवाही वि०  
अपर मुख्य सचिव (वन)  
डॉ. मनुमोहन

सचिव

प्रतीसंगद शासन  
वन एवं जलवायु परिवर्तन विभाग  
भारतिय, गढ़ा नगर, जटल नगर

KM 21/8/24  
(के.एल.गांझी)

अवर सचिव

छत्तीसगढ़ शासन

वन एवं जलवायु परिवर्तन विभाग