



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

No. 02-01 / WK-I / F.No.20 [Vol.17(A)] / 5392

Raipur, Date **15 MAR 2024**

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 2024-25.

- 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/5684 Raipur, dated 28/01/2019.
 - 8.) T.O. Letter No. 02-01/Works/005 Raipur, dated 01/04/2019.
 - 9.) T.O. Letter No. 02-01/Works/2037 Raipur, dated 23/08/2019.
 - 10.) T.O. Letter No. 02-01/Works-I/1483 Raipur, dated 15/07/2020.
 - 11.) T.O. Letter No. 02-01/Gen./5107 Raipur, dated 23/02/2024.

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The Schedule of Rates for the year 2024-25 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 2024-25" 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. 5684 date 28.01.2019 naming - "revised methodology for estimate preparation w.e.f. date of issue". While preparing the estimates, rates of various materials may be referred as provided in the SoR 2024-25 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.

The other Important Instructions, which are part of Schedule of Rates for the year 2024-25, 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 2024-25 is applicable with effect from 01.04.2024 to 31.03.2025.

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) / {H.R.(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 / 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 have been prepared based on revision in the cost of materials, steel sections, civil work, labour & transportation charges etc., for applicability during the year 2024-25. 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. To resolve the anomaly of tax on tax issue, the following amendments are to be adopted while preparing the estimates-
 - (a) Incidental charges @7.5%, which were earlier calculated on cost of material including GST, are now to be taken on cost of material excluding GST;
 - (b) Overhead charges @12.5%, which were earlier calculated on cost of material including GST, are now 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, only underground 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.

Copy of letter no. 5107 date 23.02.2024 issued by this office for all concerned may be implemented strictly as instructed.

- 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) 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.
- (iv) 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.
- (v) For any river / road crossing requiring new line to be erected on tower, the same must be laid on Panther conductor.
- (vi) 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.
- (vii) Circular no. 6011 date 14.11.2013, No. 6408 date 19.12.2014, and guidelines issued vide this office letter No. (a) 4808 date 08.12.2005, (b) 127 Raipur, dated 10/04/2017; (c)132 Raipur, dated 10/04/2017; (d) 3829 Raipur, dated 24/09/2018; (e) 5684 Raipur, dated 28/01/2019; (f) 005 Raipur, dated

01/04/2019; (g) 2037 dated 23.08.2019; (h) 1483 dated 15.07.2020 and (h) 5107 dated 23.02.2024 should be strictly followed.

(viii) 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 mandatory with B-1 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. **The Energy Efficient I.S.I. Marked 11/0.4 kV Distribution Transformers (with or without Secondary Terminal Box, as the case may be) earlier marked as Level-2 have been renamed as Level-1.** The rates of these DTs have been indicated in Standard Stock Materials of SoR for the year 2024-25.
8. The rate of concreting mix includes GST.
9. Use of RCC Blocks have been incorporated for lines to be laid on 140 kG, 8 Mtr. long PCC Pole and associated stay set.
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) Earlier there was only A-1 type control room for entire areas of state. This has now 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.
- (b) 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.
- (c) 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.
- (d) 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 --
- (i) rates of transportation for "Power Transformer (P.T.) and Distribution Transformer (D.T.) of 315 kVA capacity and above" shall be taken as --
 - (a) Upto 100 km. - @ 1% of the cost of P.T. and D.T. of 315 kVA capacity and above;
 - (b) Upto 200 km. - @ 1.5% of the cost of P.T. and D.T. of 315 kVA capacity and above; and
 - (c) Above 200 km. - @ 2% of the cost of P.T. and D.T. of 315 kVA capacity and above
- * The distance shall be taken from proposed work site to nearby store.
- (ii) Similarly, the rates of transportation for all other materials except "Power Transformer and Distribution Transformer of 315 kVA capacity and above" shall be taken as --

- (a) Upto 100 km. - @ 2% of the cost of materials;
(b) Upto 200 km. - @ 3% of the cost of materials; and
(c) Above 200 km. - @ 4% of the cost of materials.
- * 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 3.7%.
23. The rates of services used in various schedules of SoR have been updated by applying hike of 3.7%.
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