

CHHATTISGARH STATE POWER DISTRIBUTION COMPANY LTD.

SCHEDULES OF RATES FOR THE YEAR 2020-21

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 2020-21. Salient bullet points relating to the schedule are briefly mentioned hereunder ---

- While preparing the estimates for any work, estimated quantity required as per field conditions must only be taken in the schedule.
- 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.
 - (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) For any new river / road crossing requiring line to be erected on tower, the same must be laid on Panther conductor.
 - (iv) 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.
- Circular no. 6011 date 14/11/2013, No. 6408 date 19/12/2014, and guidelines issued vide this office letter No. (i) 4808 date 08/12/2005, (ii) 127 Raipur, dated 10/04/2017; (iii) 132 Raipur, dated 10/04/2017; (iv) 3829 Raipur, dated 24/09/2018; (v) 5684 Raipur, dated 28/01/2019; (vi) 005 Raipur, dated 01/04/2019 should be strictly followed.

- The order no. 02-11/IV-3/CTPT/3171 date 16.03.2016 issued by ED (HR) CSPDCL Raipur is to be strictly followed.
- 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-3574 Dtd. 21.05.1999.
- 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.
- In place of old 4-Star rated 16, 25, 63, 100 and 200 kVA Distribution Transformer, **Energy Efficient I.S.I. Marked Level-2 Transformers** have been introduced from last two years whose rates are indicated in Standard Stock Materials of SoR 2020-21.
- The rate of concreting mix includes GST.
- Use of RCC Blocks have been incorporated for lines to be laid on 140 kG, 8 Mtr. long PCC Pole and associated stay set.
- Use of Covered conductor is restricted only to be used in last span of HT consumers.
- 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.
- It should be ensured that the enlisted materials used by Turnkey contractor must bear I.S.I. Mark or must confirm to other applicable standard.
- 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.
- **Civil Works** --
 - (i) The list of Civil items for Stage-I estimate / administration approval for Civil works are indicated in Civil wing rates.

- (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.
- 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.
 - In Job wise labour rates for maintenance works, Incidental charges and Overhead charges should not be included as the same already includes Overhead charges at the rate 20%.
 - 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.
 - 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 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.

- 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.
- All the labour schedules have been thoroughly reviewed to make them more realistic, few new labour schedules added too.
- The Transportation charges have been reviewed and revised to be taken as 4% on the material cost.
- The cost of Labour charges for concreting of PCC Poles & H-Beam along with back filling of PCC Poles have been updated by applying CPI changes of 5.5%
- The rates of services used in various schedules of SoR have been updated by applying CPI changes of 5.5%
- Use of R.S. Joist of 125x70 mm size have been stopped and replaced by PCC Pole of 200 kG, 9 Mtr. long size.
- 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.
- 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 01.01.2021 to 31.03.2022.


CHIEF ENGINEER (O&M)
CSPDCL: RAIPUR