



**CHHATTISGARH STATE POWER DISTRIBUTION COMPANY LTD.**

(Govt. of C.G. undertaking)

(A Successor Company of CSEB)

O/o ED (Project), Gudhiyari, Raipur, E-mail ID - ce.stre@cseb.gov.in

Phone - (0771) - 2574915/2574917 Fax - (0771) - 2574278

No/02-08/ACE/SOR/ 833\

/Raipur/dtd.

To,

22 MAR 2017

The Superintending Engineer (Wks)

O/o E.D.(O&M) C.S.P.D.C.L.

Raipur.

Sub:- Rate of Standard stock items/materials/fabricated items/Civil work for the year 2017-18 for preparation of Schedule of Rates.

Ref:- Note sheet No. E.D. (O&M) 1777 dtd 22.02.2017.

With reference to the above Note sheet, Labour schedule for the year 2017-18 prepared is enclosed. The Labour charges for unskilled Labour for the year ending 31 March 2016 & ending 31 March 2017 Declared by Labour comissinor Chhattisgarh Govt. Raipur. (Photocopy enclosed ) are given as below:-

- |    |                           |   |                       |
|----|---------------------------|---|-----------------------|
| 1- | Year ending 31 March 2017 | - | Rs. 6206/- Per Month. |
| 2- | Year ending 31 March 2016 | - | Rs. 5860/- Per Month. |

Percentage increase in Labour charge during the year - (+)5.90%

New Labour schedule for year 2017-18 has been decided by increasing (+)5.90% of the rate year 2016-17.

Enclosed :- as above-1 set.

*Baner*

Add. Chief Engineer

O/o E.D.(Project) CSPDCL Raipur

Copy to:-

1. The E.D.(Project) CSPDCL, Raipur.

*EEW*  
*MERE*

*Jan*  
*23.3.17*

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**अनुसूची-“क”**

छत्तीसगढ़ के विभिन्न शासकीय विभागों में कार्यरत दैनिक वेतन भोगी श्रमिकों एवं कर्मचारियों के मासिक एवं दैनिक वेतन की दरें, जिसमें परिवर्तनशील महंगाई भत्ता भी शामिल है।

(ऑकड़े रूप्यों में)

न्यूनतम मूल वेतन		परिवर्तनशील महंगाई भत्ता		कुल वेतन		श्रमिकों का वर्ग	न्यूनतम मूल वेतन		परिवर्तनशील महंगाई भत्ता		कुल वेतन	
प्रतिमाह	प्रतिदिन	प्रतिमाह	प्रतिदिन	प्रतिमाह	प्रतिदिन (पूर्णक)		प्रतिमाह	प्रतिदिन	प्रतिमाह	प्रतिदिन	प्रतिमाह	प्रतिदिन (पूर्णक)
दिनांक 01.10.2015 से 31.03.2016												
1	2	3	4	5	6	7	8	9	10	11	12	13
3432.00	114.40	2428.00	80.93	5860.00	195.33 (195)	अकुशल	3432.00	114.40	2675.00	89.17	6107.00	203.57 (204)
3614.00	120.47	2428.00	80.93	6042.00	201.40 (201)	अर्धकुशल	3614.00	120.47	2675.00	89.17	6289.00	209.63 (210)
3874.00	129.00	2428.00	80.93	6302.00	210.07 (210)	कुशल	3874.00	129.00	2675.00	89.17	6549.00	218.30 (218)
दिनांक 01.04.2016 से 30.09.2016												

*8/10/2016*  
(डॉ. जितन कुमार)

श्रमायुक्त एवं सक्षम प्राधिकारी  
न्यूनतम वेतन अधिनियम, 1948  
छत्तीसगढ़, रायपुर

Addl. Chief Engineer (G)  
C/o. E.D.(Project) CSPDCL, Raipur.

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# कार्यालय श्रमायुक्त छत्तीसगढ़, रायपुर

(छत्तीसगढ़ शासन, श्रम विभाग)

खण्ड-तीन, द्वितीय तल, इंद्रावती भवन, नया रायपुर (छ.ग.)

Website-www.cglabour.gov.in, E-Mail ID- cglc2012@gmail.com No. 0771-2443513,14,15,16

क्रमांक / आठ / न्यूवे 0 / श्र0आ0 / 2016 / 1739,

रायपुर, दिनांक - 26.03.2016

## अधिसूचना

छत्तीसगढ़ राज्य में प्रभावशील न्यूनतम वेतन अधिनियम, 1948 की धारा 2(घ) में निहित प्रावधान सह पठित श्रम विभाग की अधिसूचना क्रमांक / 3761 / 613 / 16-ए / 82, दिनांक 25.05.1982 के अनुशरण में, मैं डॉ. जितेन कुमार, श्रमायुक्त छत्तीसगढ़, रायपुर एतद् द्वारा अखिल भारतीय उपभोक्ता मूल्य सूचकांक, जो कि भारत सरकार के लेबर ब्यूरो, शिमला से ज्ञात किया गया है जिसके अनुसार जुलाई 2015 से दिसम्बर 2015 तक के माहों के लिये निम्नानुसार प्रकाशित करता हूँ :-

माह / वर्ष	अखिल भारतीय उपभोक्ता मूल्य सूचकांक (आधार वर्ष 1960 = 100)
जुलाई 2015	4842
अगस्त 2015	4900
सितम्बर 2015	4942
अक्टूबर 2015	5001
नवम्बर 2015	5024
दिसम्बर 2015	5024
कुल	$\frac{29733}{6} = 4956$

इनका औसत 4956 घोषित करता हूँ, पूर्व में कृषि नियोजन का औसत 4757 को वर्तमान औसत 4956 से घटाने पर 199 बिन्दु की वृद्धि हुई है। अतः कृषि नियोजन के लिए 01.04.2016 से 30.09.2016 तक के लिये मंहगाई भत्ते में रूपये 199.00 की वृद्धि घोषित करता हूँ। जो कि अनुसूची- "ख" कृषि नियोजन के श्रमिकों के लिये निर्वाह व्यय सूचकांक (कास्ट ऑफ लिविंग इंडेक्स नंबर) रहेगा। श्रम विभागीय अधिसूचना क्रमांक एफ 4-(सी)-3-88-16 ए, दिनांक 12.09.1989 (राजपत्र दिनांक 14.09.1989) द्वारा परिवर्तनशील मंहगाई भत्ता देय है।

*(Handwritten Signature)*  
13/3/2016

(डॉ. जितेन कुमार)

श्रमायुक्त एवं सक्षम प्राधिकारी  
न्यूनतम वेतन अधिनियम, 1948  
छत्तीसगढ़, रायपुर

Addl. Chief Engineer (c)  
O/o, E.D.(Project) CSPDCL, Raipur

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- 1 -  
कार्यालय कलेक्टर, जिला-रायपुर(छ.ग.)

-: आदेश :-

क्रमांक / 878 / सविलि-2 / 2016 /

रायपुर, दिनांक 20/10/2016

श्रमायुक्त, छ0ग0 शासन, रायपुर एवं न्यूनतम वेतन अधिनियम 1948 के अंतर्गत सक्षम प्राधिकारी ने अपने अधिसूचना क्रमांक/आठ/न्यू.वे./श्र.आ./2016/6038, रायपुर दिनांक 15.09.2016 द्वारा निर्धारित दरों में वृद्धि की गई है, उसी के समान जिले में आकस्मिक निधि से वेतन पाने वाले विभिन्न श्रेणी के श्रमिकों एवं कर्मचारियों हेतु निम्नानुसार दैनिक एवं मासिक वेतन दरें निर्धारित किया जाता है।

2/- अधिसूचित न्यूनतम वेतन में परिवर्तनशील महंगाई भत्ता भी सम्मिलित है, इसलिए वेतनभोगी श्रमिकों एवं कर्मचारियों को अतिरिक्त रूप से परिवर्तनशील महंगाई भत्ते की पात्रता नहीं है।

3/- यदि विद्यमान वेतन की दरें न्यूनतम वेतन की पुनरीक्षित दरों से अधिक है तो वह किसी भी दशा में कम नहीं की जावेगी, किन्तु उनका समायोजन भविष्य में होने वाले वृद्धि से किया जावेगा।

4/- ये दरें आदेश में अंकित अवधि के लिए प्रभावशील मानी जावेगी तथा नई दरें लागू होने तक इन्हीं दरों पर भुगतान किया जावेगा।

5/- ये दरें लोक निर्माण विभाग, सिंचाई विभाग एवं लोक स्वास्थ्य यांत्रिकी विभाग के लिए लागू नहीं हैं। श्रमायुक्त, छ0ग0 रायपुर द्वारा जारी किया गया दर न्यूनतम वेतन अधिनियम 1948 के अंतर्गत निर्धारित न्यूनतम वेतन दरें लोक निर्माण, सिंचाई एवं लोक स्वास्थ्य यांत्रिकी विभाग को लागू होगी।

6/- जो मासिक वेतन निर्धारित किया गया है वह कलेण्डर माह की समाप्ति पर देय होगी। मासिक मजदूरी पर नियुक्त कर्मचारी को सप्ताह में एक दिन वेतन सहित अवकाश की पात्रता होगी।

7/- जिन पदों के लिए मजदूरी अलग से स्वीकृत नहीं की गई है उसे दैनिक मजदूरी का भुगतान निर्धारित दर में 26 (छब्बीस) से भाग देकर गणना किया जावेगा।

8/- यदि किसी संदर्भ में एक दिन का पारिश्रमिक निकाला जाना हो तो मासिक दर में 30 का भाग देकर निकाला जावेगा।

9/- यह दरें सम्पूर्ण जिले के लिए आकस्मिक निधि से वेतन पाने वाले कर्मचारियों के लिए लागू मानी जावेगी। ये दरें दिनांक 01.10.2016 से 31.03.2017 तक की अवधि के लिए लागू मानी जावेगी।

10/- छ0ग0 शासन, श्रम विभाग, मंत्रालय, रायपुर की अधिसूचना क्रमांक एफ 10-34 /2010/16, दिनांक 29.11.2010 के अनुसार न्यूनतम वेतन अधिनियम के अधिसूचित नियोजनों में न्यूनतम मजदूरी प्रभावशीलन हेतु प्रदेश को तीन श्रेणी अ.ब.स में विभाजित किया गया है, जिसके अनुसार अ श्रेणी का क्षेत्र रायपुर नगरनिगम एवं नगरनिगम सीमा के 16 कि.मी. क्षेत्र तक, नया रायपुर, नगरपालिका बीरगांव, उरला, सिलतरा औद्योगिक क्षेत्र में प्रचलित न्यूनतम वेतन से प्रतिदिन रु. 20/- (कार्यदिवस की गणना की जाकर) अधिक विशेष वेतन प्रभावशील होगा।

क्रमशः.....2

Addl. Chief Engineer (o)  
C/o. E.D.(Project) CSPDCL, Raipur


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क्रमांक	पद श्रेणी	अनुसूची "अ" 45 अनुसूचित नियोजनो (अनुसूची ब,स,द छोड़कर)के लिये 26 दिनों के अनुसार		अनुसूची "क" शासकीय विभागों के लिये 30 दिनों के अनुसार	
		मासिक	दैनिक	मासिक	दैनिक
(1)	(2)	(3)	(4)	(5)	(6)
<b>1.10.2016 से 31.03.2017</b>					
1.	<p><b>अकुशल श्रमिक:</b> वाटरमेन, वाटरमेन कम माली, चौकीदार कम फर्श, चौकीदार कम माली, घोषी, खलासी, डाक रनर, हेडमाली, वाटरमेन, रसोइया (मांसाहारी-शाकाहारी) बार्डवाय, आया, ड्रेसर, स्वीपर, अस्पताल सर्वेन्ट, (सहाविद्यालय/छात्रावास) मोटर तथा इंजनविलनर, कर्मशाला मजदूर, वर्कशाप तथा फार्मसी मेंट, वेटनरी, मैनेजर, पैकेट, मत्स्य विभाग, फील्ड वर्कर, सभी प्रकार के सभी विभागों के लिये फर्श, वेल्डर, वेल्डर आटोचालक, पंप परिचालक, प्लायर, चरवाहा, फिशरमेन, मैकेनिक, वन विभाग, मृत्यु, चैनमेन, सभी विभागों के लिए स्वैच्छिक ( पी.टी.एस.लश्कर) (भूतपूर्व सैनिक ) ( स्टोरमेन) एस.सी. चर्मकार, औजार के साथ (एस.सी. के लिए) ----- पूर्णकालिक ----- अर्धकालिक</p>	6206.00	238.69	6206.00	206.87
		3103.00		3103.00	
2	<p><b>अर्धकुशल श्रमिक:-</b> व्हाइट वाशिंग, सफेदीवाला, टाइलटनर्स, प्रेसर, मोहरर, सहायक मिस्त्री, लाईनमेन, सहायक बिजली मिस्त्री, सहायक आपरेटर, सहायक ग्राउंडर, सहायक पेंटर, सहायक टिकर, सहायक इलेक्ट्रिशियन, सहायक मेकर, सहायक वायरलेस, सहायक टायर, प्रिंटर चालक ( स्कूटर, आटो आदि हल्के वाहन) परिचालक, जांच करने वाला, निरीक्षक, बालपेन, फायरमेन, लिपिक पंप अटेंडेंट, व्हीलरी, कैशियर, खानसामा, सर्किट हालस, मुख्य रसोइया, इंजन ड्रायवर, सुपरवाइजर, फिल्टर्वर्कर, व्हाईटिंग, क्लीरिंग, मेसरी, मशीनमेन, मशीन अटेंडेंट, मिल बिल कलेक्टर, बिल क्लर्क, सहायक आपरेटर, मुंशी, बुक लिप्टर (लाइब्रेरी) मेकर पट्टी, मेकर नमूना सहायक) उप संचालक खाद्य एवं प्रसाधन रायपुर के लिए ----- पूर्णकालिक ----- अर्धकालिक</p>	6388.00	245.69	6388.00	212.93
		3194.00		3194.00	

**LABOUR SCHEDULE AL-1**  
**LABOUR CHARGES OF 33 KV LINE ON 280 Kg. 9.1 Mtr. LONG PCC POLES, 365 Kg 11 Mtr. LONG PCC POLES AND 60 Kg./Mtr., 13 Mtr. LONG RAIL POLE WITH RACCOON CONDUCTOR**

S. No.	Particulars	Unit	Qty.	For 280 Kg. 9.1 Mtr. Long PCC poles		For 365 Kg. 11 Mtr. Long PCC poles		For 280 Kg. 9.1 Mtr. Long PCC poles		For 365 Kg. 11 Mtr. Long PCC poles		For 152x152 mm 37.1 Kg/Mtr 13.0 Mtr Long H-Beam poles			
				Year 2016-17		Year 2017-18		Year 2016-17		Year 2017-18		Year 2016-17		Year 2017-18	
				Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
1	Survey	Km.	1	3200.75	3200.75	3389.60	3389.60	3200.76	3200.76	3200.76	3389.60	3200.75	3389.59		
2	Tree cutting	Km.	1	256.06	256.06	271.17	271.17	281.48	281.48	281.48	298.08	256.06	271.17		
3	Approach Clearance	Km.	1	213.38	213.38	225.97	225.97	225.65	225.65	225.65	240.02	213.38	225.97		
4	Pit digging	No.	10	320.08	3200.80	338.96	3389.60	383.44	3834.44	383.44	406.07	320.08	3389.60		
5	Stay Pit digging	No.	3	83.22	249.66	88.13	264.39	88.39	265.17	88.39	93.61	83.22	249.66		
6	Transportation of pole from road side to pole pit for a lead of 1.0 Km.	No.	10	85.35	853.50	90.39	903.90	90.66	906.60	90.66	96.01	85.35	853.50		
7	Shifting of materials (other No than pole) to pole pits	No.	10	853.54	8535.40	903.89	9038.90	1045.18	10451.80	1045.18	1106.84	853.54	8535.40		
8	Cross arm fixing complete with top clamp	No.	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
9	Pole erection complete	No.	10	602.58	6025.80	638.13	6381.30	640.04	6400.40	640.04	677.80	602.58	6025.80		
10	Concreting of stay and base pad for poles	Cmt	1.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	(i) For PCC poles	Cmt	7.65	448.11	3418.38	474.54	3618.35	475.97	3618.35	475.97	504.05	3880.00	4880.93		
	(ii) For Rail poles	Cmt	3	149.37	448.11	158.18	474.54	158.66	475.97	158.66	168.02	448.11	474.54		
11	Stay erection complete	No.	30	21.34	640.20	22.60	677.92	22.67	679.95	22.67	24.00	21.34	640.20		
12	Insulator fixing at each location	No.	10	53.35	533.50	56.49	564.90	56.66	566.60	56.66	60.01	53.35	533.50		
13	Anti climbing devices and danger board fixing.	No.	10	64.02	640.20	67.79	677.92	68.00	680.00	68.00	72.01	64.02	640.20		
14	Painting and numbering etc including steel support	Km.	1	8321.97	8321.97	8812.97	8812.97	8839.36	8839.36	8839.36	9360.88	8321.97	8812.97		
15	Stringing of line for all three Raccoon conductors	Span	1	1813.76	1813.76	1920.78	1920.78	1926.53	1926.53	1926.53	2040.19	1813.76	1920.78		
16	Carpet guarding.	No.	3	64.02	192.06	67.79	203.38	68.00	203.99	68.00	72.01	64.02	203.38		
17	Twisting of jointing sleeves	No.	3	3283.35	9849.95	35247.06	123741.18	37069.00	111207.00	37069.00	39256.07	3283.35	108567.05		
	<b>TOTAL</b>														

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

  
**M.D. Badgaiyan (93513883)**  
 Executive Engineer  
 Project Division  
 C.S.P.D.C.L., Raipur

**LABOUR SCHEDULE AL-2**  
**SCHEDULE OF LABOUR CHARGES PER 33 KV D.P. STRUCTURE (PCC POLE / 13 MTR. LONG RAIL POLE)**

S.No.	Particulars	Unit	Qty.	For 280 Kg. 9.1 Mtr. Long PCC poles		For 280 Kg. 9.1 Mtr. Long PCC poles		For 365 Kg. 11 Mtr. Long PCC poles		For 365 Kg. 11 Mtr. Long PCC poles		For 152x152 mm 37.1 Kg/Mtr 13.0 Mtr Long H-Beam poles		For 152x152 mm 37.1 Kg/Mtr 13.0 Mtr Long H-Beam poles	
				Year 2016-17 (PCC Pole)		Year 2017-18 (PCC Pole)		Year 2016-17 (PCC Pole)		Year 2017-18 (PCC Pole)		Year 2016-17 (Rail Pole)		Year 2017-18 (Rail Pole)	
				Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
1	Pit digging	No.	2	256.06	512.12	271.17	542.34	281.48	562.95	298.08	596.16	256.06	512.12	271.17	542.34
2	Stay Pit digging	No.	6	213.38	1280.30	225.97	1355.84	213.38	1280.30	225.97	1355.84	213.38	1280.30	225.97	1355.84
3	Shifting of materials to pole pit	Set	1	185.64	185.64	196.60	196.60	185.64	185.64	196.60	196.60	185.64	185.64	196.60	196.60
4	Transportation of pole from road side to pole pit for a lead of 1.0 Km.	No.	2	320.08	640.15	338.96	677.92	383.44	766.89	406.07	812.13	320.08	640.15	338.96	677.92
5	Cross arm fixing complete including insulator etc.	No.	1	586.81	586.81	621.43	621.43	586.81	586.81	621.43	621.43	586.81	586.81	621.43	621.43
6	Pole erection complete (including earthing)	No.	2	853.54	1707.07	903.89	1807.79	1045.18	2090.35	1106.84	2213.68	853.54	1707.07	903.89	1807.79
7	Concreting of stay and poles	Cmt	2.92	602.77	1758.28	638.33	1862.02	602.77	1758.28	638.33	1862.02	602.77	1758.28	638.33	1862.02
8	Stay erection complete with binding of stay wire.	No.	6	149.37	896.21	158.18	949.09	149.37	896.21	158.18	949.09	149.37	896.21	158.18	949.09
9	Anticlimbing devices and danger board fixing	No.	2	53.35	106.69	56.49	112.99	53.35	106.69	56.49	112.99	53.35	106.69	56.49	112.99
10	Painting of cross arm and numbering of poles etc.	No.	2	64.02	128.03	67.79	135.58	64.02	128.03	67.79	135.58	256.06	512.11	271.16	542.33
	<b>TOTAL</b>				<b>7801.32</b>		<b>8261.59</b>		<b>8362.16</b>		<b>8855.53</b>		<b>8185.40</b>		<b>8668.34</b>

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

  
**E.B. Badgaiyan**  
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 M.D. Badgaiyan (93513883)

**LABOUR SCHEDULE AL-2(A)**

**SCHEDULE OF LABOUR CHARGES PER 33 KV FOUR POLE STRUCTURE (PCC POLE / 9 MTR.  
LONG RAIL POLE)**

S.No.	Particulars	Unit	Qty.	For 280 Kg. 9.1 Mtr. Long PCC poles		For 280 Kg. 9.1 Mtr. Long PCC poles Year 2017-18 (PCC Pole)		For 60 Kg./ Mtr 9.0 Mtr. Long Rail poles		For 60 Kg./ Mtr 9.0 Mtr. Long Rail poles Year 2017-18 (PCC Pole)	
				Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
				1	Pit digging	No.	4	284.55	1138.22	301.34	1205.37
2	Stay Pit digging	No.	8	237.13	1897.03	251.12	2008.96	213.38	1707.07	225.97	1807.79
3	Shifting of materials to pole pit	Set	6	206.30	1237.81	218.47	1310.84	185.64	1113.86	196.60	1179.58
4	Transportation of pole from road side to pole pit for a lead of 1.0 Km.	No.	4	355.69	1422.77	376.68	1506.72	320.08	1280.30	338.96	1355.84
5	Cross arm fixing complete including insulator etc.	No.	6	652.10	3912.63	690.58	4143.47	586.81	3520.83	621.43	3728.56
6	Pole erection complete (including earthing)	No.	4	948.52	3794.06	1004.48	4017.91	853.54	3414.14	903.89	3615.58
7	Concreting of stay and poles	Cmt.	3.79	669.84	2542.02	709.36	2692.00	602.77	2287.48	638.33	2422.44
8	Stay erection complete with binding of stay wire.	No.	8	165.99	1327.92	175.78	1406.27	149.37	1194.95	158.18	1265.45
9	Anticlimbing devices and danger board fixing	No.	4	59.28	237.13	62.78	251.12	53.35	213.38	56.49	225.97
10	Painting of cross arm and numbering of poles etc.	No.	6	71.14	426.83	75.34	452.02	256.06	1536.34	271.16	1626.98
	<b>TOTAL</b>				<b>17936.43</b>		<b>18994.68</b>		<b>17292.61</b>		<b>18312.87</b>

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.



**LABOUR SCHEDULE AL-3**

**LABOUR CHARGES OF 33 KV LINE ON 280 Kg. 9.1 MTR. LONG PCC POLES, 365 Kg 11 MTR. LONG PCC POLES AND 60 Kg./ MTR. 13 MTR LONG RAIL POLE WITH DOG CONDUCTOR**

S. No.	Particulars	Unit	Qty.	For 280 Kg. 9.1 Mtr. Long PCC poles		For 280 Kg. 9.1 Mtr. Long PCC poles		For 365 Kg. 11 Mtr. Long PCC poles		For 365 Kg. 11 Mtr. Long PCC poles		For 152x152 mm 37.1 Kg/Mtr 13.0 Mtr Long H-Beam poles			
				Year 2016-17		Year 2017-18		Year 2016-17		Year 2017-18		Year 2016-17		Year 2017-18	
				Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
1	Survey	Km.	1												
2	Tree cutting	Km.	1	3200.76	3200.76	3389.60	3389.60	3200.76	3389.60	3200.76	3389.60	3200.76	3389.60		
3	Approach Clearance	Km.	1												
4	Pit digging	No.	10	256.06	2560.61	271.17	2711.68	281.48	2814.75	298.08	2980.8	256.06	2560.61		
5	Stay Pit digging	No.	3	213.38	640.15	225.97	677.92	213.38	640.14	225.97	677.9	213.38	640.15		
6	Transportation of pole from road side to pole pit for a lead of 1.0 Km.	No.	10	320.08	3200.76	338.96	3389.60	383.44	3834.44	406.07	4060.7	320.08	3200.76		
7	Shifting of materials (other No than pole) to pole pits	No.	10	83.22	832.20	88.13	881.30	83.22	832.21	88.13	881.3	83.22	832.20		
8	Cross arm fixing complete with top clamp	No.	10	85.35	853.54	90.39	903.89	85.36	853.56	90.39	903.9	85.35	853.54		
9	Pole erection complete	No.	10	853.54	8535.36	903.89	9038.94	1045.18	10451.76	1106.84	11068.4	853.54	8535.36		
10	Concreting of stay and base pad for poles			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.00	0.00		
	(i) For PCC poles	Cmt	1.44	602.77	870.61	638.33	921.97	602.71	870.52	638.27	921.9	0.00	0.00		
	(ii) For Rail poles	Cmt	7.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	602.58	4607.65		
11	Stay erection complete	No.	3	149.37	448.11	158.18	474.54	149.37	448.12	158.19	474.6	149.37	448.11		
12	Insulator fixing with G.I. Pin	No.	30	21.34	640.15	22.60	677.92	21.34	640.17	22.60	677.9	21.34	640.15		
13	Anti climbing devices and danger board.	No.	10	53.35	533.46	56.49	564.93	53.34	533.42	56.49	564.9	53.35	533.46		
14	Painting and numbering etc.	No.	10	64.02	640.15	67.79	677.92	64.02	640.17	67.79	677.9	64.02	640.15		
15	Stringing of line for Dog conductor	Km.	1	9602.28	9602.28	10168.81	10168.81	9602.28	9602.28	10168.82	10168.8	9602.28	9602.28		
16	Carpet guarding	Span	1	1813.76	1813.76	1920.78	1920.78	1813.76	1813.76	1920.78	1920.8	1813.76	1813.76		
17	Twisting of jointing sleeves	No.	3	64.02	192.05	67.79	203.38	64.02	192.05	67.79	203.4	64.02	192.05		
	<b>TOTAL</b>				<b>34563.93</b>		<b>36603.20</b>		<b>37368.12</b>		<b>39572.84</b>		<b>40221.38</b>		
													<b>42594.45</b>		

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

LABOUR SCHEDULE AL-3 (B)

LABOUR CHARGES FOR ADDITIONAL MID-SPAN RAIL POLE FOR 33 KV LINE

S. No.	Particulars	Unit	Qty.	For 60 Kg. / Mtr. 13.0 Mt. Rail poles Year 2016-17		For 60 Kg. / Mtr. 13.0 Mt. Rail poles Year 2017-18	
				Rate	Amount	Rate	Amount
				1	Pit digging	No.	1
2	Transportation of pole from road side to pole pit for a lead of 1.0 Km.	No.	1	320.08	320.08	338.96	338.96
3	Shifting of materials (other No than pole) to pole pits	No.	1	83.22	83.22	88.13	88.13
4	Cross arm fixing complete with top clamp	No.	1	85.35	85.35	90.39	90.39
5	Pole erection complete	No.	1	853.54	853.54	903.89	903.89
6	Concreting of rail @ 0.6 cmt. Per pole and @ 0.05 cmt per pole for base padding of rail pole (i) For Rail poles	Cmt	0.68	554.92	377.18	587.66	399.43
7	Insulator fixing with G.I. Pin	No.	3	21.34	64.02	22.60	67.79
8	Anti climbing devices and danger board.	No.	1	53.35	53.35	56.49	56.49
9	Painting and numbering etc.	No.	1	256.06	256.06	271.16	271.16
10	<b>TOTAL</b>				<b>2348.84</b>		<b>2487.42</b>

Note :- The rates are proposed for normal soil conditions . In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

  
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LABOUR SCHEDULE AL-4

LABOUR CHARGES OF 33 KV LINE ON 60 Kg. / 52 Kg./ MTR. LONG RAIL POLE 13 METER LONG  
MAX. 50 METER SPAN PANTHER CONDUCTOR

S. No.	Particulars	Unit	Qty.	For 60 Kg./ Mtr 13 Mtr. Long Rail poles Year 2016-17		For 60 Kg./ Mtr 13 Mtr. Long Rail poles Year 2017-18	
				Rate	Amount	Rate	Amount
				1	Survey	Km.	1
2	Tree cutting	Km.	1	3200.76	3200.76	3389.60	
3	Approach Clearance	Km.	1				
4	Pit digging 7 feet depth	No.	20	298.74	5974.75	316.36	
5	Stay Pit digging	No.	12	213.38	2560.61	225.97	
6	Transportation of pole from road side to pole pit for a lead of 1.0 Km.	No.	20	426.77	8535.36	451.95	
7	Shifting of materials (other No than pole) to pole pits	No.	20	83.22	1664.39	88.13	
8	DC Cross arm fixing	No.	30	128.03	3840.91	135.58	
9	Pole erection complete	No.	20	1066.92	21338.39	1129.87	
10	Concreting of stay and base pad for poles			0.00	0.00	0.00	
	(i) For PCC poles	Cmt	0	0.00	0.00	0.00	
	(ii) For Rail poles	Cmt	14.5	602.77	8740.21	638.33	
11	Stay erection complete	No.	12	149.37	1792.42	158.18	
12	Insulator fixing with hardware	No.	180	21.34	3840.91	22.60	
13	Anti climbing devices and danger board.	No.	20	53.35	1066.92	56.49	
14	Painting and numbering etc.	No.	20	256.06	5121.21	271.17	
15	Stringing of line for Panther conductor	Km.	1	32007.59	32007.59	33896.04	
16	Carpet guarding	Span	5	2133.84	10669.20	2259.74	
17	Twisting of jointing sleeves	No.	6	128.03	768.18	135.58	
	<b>TOTAL</b>				<b>111121.81</b>	<b>117677.99</b>	

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

R

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**LABOUR SCHEDULE AL-5 (REVISED)**

**SCHEDULE OF LABOUR CHARGES FOR 33 KV / 11 KV UNDERGROUND CABLE CROSSING UNDER EXISTING RAILWAY TRACK 2.5 Mtr. DEEP FROM GROUND LEVEL. (60 Mtr. LONG CORRIDOR / ROUTE LENGTH OF HDPE PIPE DOUBLE CIRCUIT)**

S. No.	Particulars	Unit	Year 2016-17						Year 2017-18						Year 2018-19					
			Using HDD Technique			Using Pipe Pushing			Using HDD Technique			Using Pipe Pushing			Using HDD Technique			Using Pipe Pushing		
			Qty.	Rate	Amount	3x240 sq.mm XLPE Cable	3x400 sq.mm XLPE Cable	Rate	3x240 sq.mm XLPE Cable	3x400 sq.mm XLPE Cable	Rate	3x240 sq.mm XLPE Cable	3x400 sq.mm XLPE Cable	Rate	3x240 sq.mm XLPE Cable	3x400 sq.mm XLPE Cable	Rate	3x240 sq.mm XLPE Cable	3x400 sq.mm XLPE Cable	
1	2	3	7	8	9	10	11	12	13	14	15	16	17	18	19					
1	Labour charges for laying of HDPE Pipe of maximum 240 mm dia, in normal soil under 2.5 mtr. Deep from ground level using	Mtr.	120	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
a	Pipe Pushing method *	Mtr.	120	1285.23	154227.23	154227.23	1361.06	163326.64	163326.64	13701.18	1644141.28	1644141.28	14509.55	1741145.61	1741145.61	—	—	—		
b	Using HDD Technique (Horizontal Directional Drilling) **	Mtr.	120	342.53	61655.30	61655.30	362.74	65292.96	65292.96	342.53	61655.30	61655.30	362.74	65292.96	65292.96	—	—	—		
2	Laying of 240 sqmm 3 core XLPE cable through HDPE pipe.	Mtr.	180	342.53	61655.30	61655.30	362.74	65292.96	65292.96	342.53	61655.30	61655.30	362.74	65292.96	65292.96	—	—	—		
3	Laying of 400 sqmm 3 core XLPE cable through HDPE pipe.	Mtr.	190	342.53	65080.59	65080.59	362.74	68920.35	68920.35	342.53	68920.35	68920.35	362.74	68920.35	68920.35	—	—	—		
4	Earthing pit digging and laying of earth pipe complete.	Set.	10	746.84	7468.44	7468.44	790.91	7909.07	7909.07	746.84	7468.44	7468.44	790.91	7909.07	7909.07	—	—	—		
5	Joining kit labour charges.	Set.	4	5480.47	21921.88	21921.88	5803.82	23215.27	23215.27	5480.47	21921.88	21921.88	5803.82	23215.27	23215.27	—	—	—		
6	Covering of cable with tiles	Mtr.	60	2.73	163.62	163.62	2.89	173.28	173.28	2.73	163.62	163.62	2.89	173.28	173.28	—	—	—		
7	Spreading sand and forming with sand round the cable	Mtr.	60	9.91	594.57	594.57	10.49	629.65	629.65	9.91	594.57	594.57	10.49	629.65	629.65	—	—	—		
8	Laying of GI Pipe	Mtr.	24	49.08	1177.89	1177.89	51.97	1247.39	1247.39	49.08	1177.89	1177.89	51.97	1247.39	1247.39	—	—	—		
9	Fixing of 33 KV LA including earthing.	Set.	2	213.38	426.77	426.77	225.97	451.95	451.95	213.38	426.77	426.77	225.97	451.95	451.95	—	—	—		
10	Jumping of Lightning Arrestor and fixing of Aluminium lugs.	Set.	2	215.25	430.50	430.50	227.95	455.90	455.90	215.25	430.50	430.50	227.95	455.90	455.90	—	—	—		
11	Fixing of Riser pipe with clamps	Mtr.	12	274.02	3288.28	3288.28	290.19	3482.29	3482.29	274.02	3288.28	3288.28	290.19	3482.29	3482.29	—	—	—		
12	<b>TOTAL</b>				<b>251354.49</b>	<b>254779.78</b>			<b>266184.40</b>	<b>269811.79</b>	<b>1741268.54</b>	<b>1744693.83</b>		<b>1844003.38</b>	<b>1847630.77</b>					
13	<b>TOTAL (Rounded Off)</b>				<b>251354.00</b>	<b>254780.00</b>			<b>266184.00</b>	<b>269811.79</b>	<b>1741269.00</b>	<b>1744694.00</b>		<b>1844003.38</b>	<b>1847630.77</b>					

Note: Since our requirement of HDPE Pipe is maximum 240 mm hence HDD technique is suitable in place of pipe pushing.

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*Rem*  
**Addl. Chief Engineer (b)**  
**O/c. E.D.(Project) CSPDCL, Raipur**

**LABOUR SCHEDULE AL-6 [ for Sch-A-10 ]**

**SCHEDULE OF LABOUR CHARGES FOR 33 kV / 11 kV UNDERGROUND CABLE CROSSING UNDER PROPOSED RAILWAY TRACK 2.5 Mtr. DEEP FROM GROUND LEVEL. (60 Mtr. LONG CORRIDOR / ROUTE LENGTH OF HDPE PIPE DOUBLE CIRCUIT ) USING OPEN TRENCH METHOD**

S. No.	Particulars	Unit	Qty.	Rate	2016-17		2017-18	
					3x240 sq.mm AB XLPE Cable Amount	3x400 sq.mm AB XLPE Cable Amount	3x240 sq.mm AB Amount	3x400 sq.mm AB Amount
1	2	3	4	5	6	7	6	7
1	Cable trench excavation 1000x0.6x1=600 ordinary soil.	Cube / Mtr.	120	176.79	21214.42	21214.42	22466.07	22466.07
2	Labour charges for laying of HDPE Pipe of maximum 240 mm dia, in normal soil under 2.5 mtr. Deep from ground level using Open Trench Method	Mtr.	120	38.17	4580.39	4580.39	4850.63	4850.63
3	Laying of 240 sqmm 3 core XLPE cable through HDPE pipe.	Mtr.	180	342.53	61655.30		65292.96	
4	Laying of 400 sqmm 3 core XLPE cable through HDPE pipe.	Mtr.	190	342.53		65080.59	362.74	68920.35
5	Earthing pit digging and laying of earth pipe complete.	Set.	10	746.84	7468.44		7909.07	7909.07
6	Joining kit labour charges.	Set.	4	5480.47	21921.88	21921.88	5803.82	23215.27
7	Covering of cable with tiles	Mtr.	60	2.73	163.62	163.62	2.89	173.28
8	Spreading sand and forming with sand round the cable	Mtr.	60	9.91	594.57	594.57	10.49	629.65
9	Laying of GI Pipe	Mtr.	24	49.08	1177.89	1177.89	51.97	1247.39
10	Fixing of 33 kV LA including earthing.	Set.	2	213.38	426.77	426.77	225.97	451.95
11	Jumpering of Lightning Arrestor and fixing of Aluminium lugs.	Set.	2	215.25	430.50	430.50	227.95	455.90
12	Fixing of Riser pipe with clamps	Mtr.	12	274.02	3288.28	3288.28	290.19	3482.29
13	<b>TOTAL</b>				<b>122922.07</b>	<b>126347.36</b>		<b>130174.47</b>
14	<b>TOTAL (Rounded Off)</b>				<b>122922.00</b>	<b>126347.00</b>		<b>130174.00</b>

*Bsm*  
**Addl. Chief Engineer (o)**  
**O/c. E.D.(Project) CSPDCL, Raipur**

LABOUR SCHEDULE BL-1

SCHEDULE OF LABOUR CHARGES OF 33/11 KV SUB-STATION EXCLUDING TRANSFORMER 1.6 MVA & ABOVE

S.No.	Particulars	Unit	2016-17						2017-18					
			1.6 MVA		3.15 MVA		5.0 MVA		1.6 MVA		3.15 MVA		5.0 MVA	
			Qty.	Rate (Rs)	Qty.	Rate (Rs)	Qty.	Rate (Rs)	Qty.	Rate (Rs)	Qty.	Rate (Rs)	Qty.	Rate (Rs)
1	Pole pit digging	No.	28	256.06	28	7169.70	32	8193.94	28	7592.71	28	7592.71	32	8677.38
2	Shifting of materials (Other than pole) to pole pits in case of: (a) S/s materials excluding yard lighting	Set	22	106.89	22	2347.22	22	2347.22	22	2485.71	22	2485.71	22	2485.71
3	(b) Yard lighting	Set	32.01	32.01	6	192.05	6	192.05	6	203.38	6	203.38	6	203.38
4	Transportation of support from road side to pole pits for a lead for 1.0 Km. (a) Bus bar gantry structure & FCC pole for yard lighting	No.	320.08	320.08	33	10562.50	33	10562.50	33	11185.69	33	11185.69	41	13897.37
5	Cross arm fixing complete including insulator etc. Pole erection complete	No.	320.08	320.08	33	10562.50	33	10562.50	33	11185.69	33	11185.69	41	13897.37
6	(i)H-Beam for mounting DO fuse units & DP.	No.	533.46	533.46	12	6401.52	12	6401.52	12	6779.21	12	6779.21	14	7909.07
7	(ii) Bus bar structure.	No.	853.54	853.54	10	8535.36	10	8535.36	10	9038.94	10	9038.94	12	10846.73
8	(iii) Tabular pole for yard lighting	No.	533.46	533.46	6	3200.76	6	3200.76	6	3389.60	6	3389.60	6	3389.60
9	Concreting of supports	Cmt	602.77	602.77	1.04	624.79	1.04	624.79	1.04	661.65	1.04	661.65	1.27	813.50
10	Fixing of 33 kV DO fuse units.	Set.	266.73	266.73	0	0.00	0	0.00	0	282.47	0	0.00	0	0.00
11	Fixing of 11 kV DO fuse units.	Set.	213.38	213.38	1	213.38	1	213.38	1	225.97	1	225.97	1	225.97
12	Fixing of 33 kV LA including earthing	Set.	213.38	213.38	1	213.38	1	213.38	1	225.97	1	225.97	1	225.97
13	Fixing of 11 kV LA including earthing	Set.	160.04	160.04	12	1920.46	12	1920.46	12	2033.76	12	2033.76	15	2542.20
14	Fixing of 33 kV AB switch complete with handle.	Set.	746.84	746.84	1	746.84	1	746.84	1	790.91	1	790.91	1	790.91
15	Fixing of 11 kV AB switch complete with handle isolator	Set.	640.15	640.15	3	1920.46	3	1920.46	3	2033.76	3	2033.76	4	2711.68
16	Stringing of DOG ACSR conductor with fixing of terminal clamps.	LS	1066.91	1066.91	1	1066.91	1	1066.91	1	1129.86	1	1129.86	1	1129.86
17	(a) 33 kV incoming gantry structure	LS	2133.27	2133.27	1	2133.27	1	2133.27	1	2259.14	1	2259.14	1	2259.14
18	(b) 11 kV incoming gantry structure	LS	533.52	533.52	1	533.52	1	533.52	1	565.00	1	565.00	1	565.00
19	(c) for transformer protection	No.	356.23	356.23	3	1068.69	3	1068.69	3	1131.74	3	1131.74	4	1508.99
20	(d) Bus bar structure (per bus)	LS	1066.91	1066.91	1	1066.91	1	1066.91	1	1129.86	1	1129.86	1	1129.86
21	Digging and concreting of foundation of X-mer	No.	2133.84	2133.84	3	6401.52	3	6401.52	3	6779.21	3	6779.21	4	9038.94
22	Digging and concreting of foundation of VCB	LS	14937.02	14937.02	1	14937.02	1	14937.02	1	15818.31	1	15818.31	1	15818.31
23	Digging of trenches, pits & laying out earthing mat, interconnection etc.	No.	2055.18	2055.18	0	0.00	0	0.00	0	2176.43	0	0.00	1	15818.31
24	Handling & installation of 33 kV X-mer control and feeder VCB on foundation.	No.	1493.69	1493.69	3	4481.06	3	4481.06	3	4745.44	3	4745.44	4	6327.26
25	Handling & installation of 11 kV X-mer control and feeder VCB on foundation.	LS	2740.24	2740.24	1	2740.24	1	2740.24	1	2901.91	1	2901.91	1	2901.91
26	Preparation of cable trench from 11 kV VCB to control room	No.	17.81	17.81	106	1888.02	106	1888.02	106	1999.42	106	1999.42	111	2093.73
27	Fixing of T-clamps for jumpers & bimetallic clamps	LS	3200.60	3200.60	1	3200.60	1	3200.60	1	3389.43	1	3389.43	1	3389.43
28	Painting of channels and supports	LS	853.58	853.58	1	853.58	1	853.58	1	903.94	1	903.94	1	903.94
29	Handling & installation of station X-mer.	LS	640.12	640.12	1	640.12	1	640.12	1	677.89	1	677.89	1	677.89
30	Fixing of LT switch box complete & crimping.	LS	640.12	640.12	1	640.12	1	640.12	1	677.89	1	677.89	1	677.89
31	Fixing of 3 Ph. 4 wire LT meters.	LS	640.12	640.12	1	640.12	1	640.12	1	677.89	1	677.89	1	677.89
32	Handling & installation of battery charger & distn Board	LS	640.12	640.12	1	640.12	1	640.12	1	677.89	1	677.89	1	677.89
33	Handling & installation of batteries.	LS	1096.09	1096.09	1	1096.09	1	1096.09	1	1160.76	1	1160.76	1	1160.76
34	DC cabling from distn. Board to yard connection.	LS	640.12	640.12	1	640.12	1	640.12	1	677.89	1	677.89	1	677.89
35	Laying of under-ground cable complete including fixing of terminal block.	LS	640.12	640.12	1	640.12	1	640.12	1	677.89	1	677.89	1	677.89
36	Fixing arrangement of search light of support & handling and fixing of search light.	LS	479.54	479.54	1	479.54	1	479.54	1	507.83	1	507.83	1	507.83
37	Jumping of DO fuse, AB switch & transformer and fixing of terminal clamps.	LS	640.12	640.12	1	640.12	1	640.12	1	677.89	1	677.89	1	677.89
38	Installation, testing and commissioning of 33 kV ME	No.	2055.18	2055.18	1	2055.18	1	2055.18	1	2176.43	1	2176.43	1	2176.43
39	Installation, testing and commissioning of 11 kV ME	No.	1370.12	1370.12	2	2740.24	2	2740.24	2	2901.91	2	2901.91	3	4352.86
40	Installation, testing and commissioning of HT meter complete with box	No.	685.06	685.06	3	2055.18	3	2055.18	3	2176.43	3	2176.43	4	2901.91
41	Total labour charges.			113597.30		115385.74		130416.54		120299.54		122193.50		138111.12
42	Total Labour Charges. (Rounded off)			113597		115386		130417		120300		122194		138111

Note- The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

LABOUR SCHEDULE BL-2

SCHEDULE OF LABOUR CHARGES FOR POWER TRANSFORMER IN  
PARALLEL EXCLUDING BAY

S.No.	Particulars	Unit	Qty.	2016-2017		2017-2018	
				Rate	Amt.	Rate	Amt.
1	Pit digging	No.	4	256.06	1024.24	271.17	1084.67
2	Shifting of materials (Other than pole) to pole pits	No.	3	96.01	288.03	101.67	305.02
3	Transportation of support from road side to pole pits for a lead for 1.0 Km.	No.	4	192.02	768.07	203.35	813.38
4	Cross arm fixing complete including insulator etc.	No.	2	288.03	576.05	305.02	610.04
5	Pole erection complete (Joist)	No.	4	480.04	1920.17	508.36	2033.46
6	Concreting of supports	Cmt	1.19	542.41	645.18	574.41	683.24
7	Fixing of 33 kV DO fuse units.	Set.	1	240.02	240.02	254.18	254.18
8	Fixing of 11 kV DO fuse units.	Set.	1	192.02	192.02	203.35	203.35
9	Fixing of 33 kV LA including earthing.	Set.	1	192.02	192.02	203.35	203.35
10	Fixing of 11 kV LA including earthing.	Set.	1	144.01	144.01	152.51	152.51
11	Stringing of Dog ACSR conductor with fixing of terminal clamps.	LS	LS	LS	1066.92	LS	1129.87
12	Digging and concreting of foundation of X-mer	LS	LS	LS	10669.20	LS	11298.68
13	Digging and concreting of foundation of VCB.	No.	1	1920.17	1920.17	2033.46	2033.46
14	Handling & installation of 11 kV X-mer control and feeder VCB on foundation.	LS	LS	LS	1493.69	LS	1581.81
15	Preparation of cable trench from 11 kV VCB to control room	LS	LS	LS	640.15	LS	677.92
16	Painting of channels and supports	LS	LS	LS	640.15	LS	677.92
	<b>Total Labour Charges. (Rounded off)</b>				<b>22420.07</b>		<b>23742.85</b>

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

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M.D. Badgaiyan (93513883)  
Executive Engineer  
Project Division  
C.S.P.D.C.L., Raipur

**LABOUR SCHEDULE BL-3**

**SCHEDULE OF LABOUR CHARGES FOR 33/11 KV POWER TRANSFORMER**

S.No.	Particulars	Unit	Qty.	2016-17 Amount			2017-18 Amount		
				1.6 MVA	3.15 MVA	5.0 MVA	1.6 MVA	3.15 MVA	5.0 MVA
1	Shifting of Xmer on foundation (Incl. lifting from A/S )	No.	1	27402.99	34253.10	41103.22	29019.76	36274.03	43528.31
2	Assembling,	No.	1	5480.34	6850.12	8221.15	5803.69	7254.27	8706.20
3	Testing including testing of 11 kV VCB and commissioning	LS	LS	10686.99	10686.99	10960.69	11317.52	11317.52	11607.37
	<b>Total Labour Charges. (Rounded off)</b>			<b>43570.32</b>	<b>51790.20</b>	<b>60285.05</b>	<b>46140.97</b>	<b>54845.83</b>	<b>63841.87</b>



  
**Addl. Chief Engineer (o)**  
**O/o. E.D.(Project) CSPDCL, Raipur**



## LABOUR SCHEDULE BL-4

## Labour Charges for 11 kV Outdoor Yard Extension of Additional Bay

S.No.	Particulars	Unit	Qty.	2016-17		2017-18	
				Rate	Amount	Rate	Amount
1	Pit digging	No.	2	256.73	513.45	271.87	543.75
2	Shifting of materials to pole pits	No.	6	106.97	641.82	113.28	679.68
3	Transportation of pole from road side to pole pit	No.	2	294.65	589.31	312.04	624.08
4	Cross arm fixing with insulator HW with insulator etc.	No.	6	294.65	1767.93	312.04	1872.24
5	Pole erection complete	No.	2	785.75	1571.49	832.10	1664.21
6	Concreting of poles	Cmt	0.99	554.89	550.02	587.63	582.47
7	Fixing of 11 kV AB switch / Isolator complete with operating handle.	No.	3	589.31	1767.93	624.08	1872.24
8	Stringing of DOG conductor including jumpering .	L.S.	L.S.	L.S.	1473.27	L.S.	1560.20
9	Fixing of T-clamps for jumpering	No.	11	L.S.	117.86	L.S.	124.82
10	Digging and concreting of foundation of 11 kV VCB.	No.	1	2139.39	2139.39	2265.61	2265.61
11	Handling & installation of VCB on foundation	No.	1	1497.57	1497.57	1585.93	1585.93
12	Preparation of cable trench from 11 kV VCB to control room.	L.S.	L.S.	L.S.	641.82	L.S.	679.68
13	Painting of structure.	L.S.	L.S.	L.S.	1069.69	L.S.	1132.81
14	Digging of pits & laying out earthing mat, interconnection etc.	L.S.	L.S.	L.S.	2139.39	L.S.	2265.61
15	Levelling & Metalling	L.S.	L.S.	L.S.	4278.78	L.S.	4531.22
	<b>TOTAL</b>				<b>20759.72</b>		<b>21984.54</b>

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

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2016-17

LABOUR SCHEDULE BL-5							
Labour Charges for 33 kV Out Door Yard							
S.No.	Particulars	Unit	Qty.	2016-17		2017-18	
				Rate	Amount	Rate	Amount
1	Pit digging	No.	2	256.73	513.45	271.87	543.75
2	Shifting of materials to pole pit	No.	6	106.97	641.82	113.28	679.68
3	Transportation of pole from road side to pole pit	Set	2	320.91	641.82	339.84	679.68
4	Gross arm fixing with insulator HW including channel for AB switch	No.	6	320.91	1925.45	339.84	2039.05
5	Pole erection complete	No.	2	855.76	1711.51	906.24	1812.49
6	Concreting of stay and poles	Cmt.	0.99	604.33	599.03	639.99	634.37
7	Fixing of isolator complete with operating handle.	Set	1	748.79	748.79	792.96	792.96
8	Stringing of double conductor including jumpering and fixing of terminal clamps etc.	L.S.	LS	L.S.	1604.54	L.S.	1699.21
9	Fixing of T-clamps for jumpering	No.	18	12.84	231.05	13.59	244.69
10	Painting of Structure	L.S.	LS	L.S.	1069.69	L.S.	1132.81
11	Digging of trenches, pits & laying out earthing mat, interconnection etc.	L.S.	L.S.	L.S.	2139.39	L.S.	2265.61
12	Levelling & Metalling	L.S.	L.S.	L.S.	4278.78	L.S.	4531.22
	<b>TOTAL</b>				<b>16105.32</b>		<b>17055.53</b>

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

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Executive Engineer  
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C.S.P.D.O.-L., Raipur

**LABOUR SCHEDULE BL-6**  
**Schedule of Labour Charges For installation of 33 Kv VCB**

S.No	Particulars	Unit	2016-17			2017-18		
			Rate	Qty.	Amt. (Rs)	Rate	Qty.	Amt. (Rs)
1	Digging and concreting of foundation of VCB.	No.	2133.84	1.00	2133.84	2259.74	1.00	2259.74
2	Handling & installation of 33 kV X-mer control and feeder VCB on foundation.	No.	2055.18	1.00	2055.18	2176.43	1.00	2176.43
3	Fixing of T-clamps for jumpers & bimetallic clamps	No.	17.81	35.00	623.40	18.86	35.00	660.18
4	DC cabling from distn. Board to yard connection.	LS	640.12	1.00	640.12	677.89	1.00	677.89
5	Laying of under-ground cable complete including fixing of terminal block.	LS	640.12	1.00	640.12	677.89	1.00	677.89
	Total labour charges.				6092.66			6452.12
	<b>Total Labour Charges. (Rounded off)</b>				<b>6093</b>			<b>6452</b>

7777.83

6 Transportation of pole from road side to pole pit for a lead of 1.0 Km.

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for

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*Per*  
**Addl. Chief Engineer (o)**  
O/o. E.D.(Project) CSPDCL, Raipur

**LABOUR SCHEDULE BL-7**

**Schedule of Labour Charges for installation of 11 KV Single phase AB Switch on exiting out going feeder DP from 33/11 Kv S/S**

S.No.	Particulars	Unit	2016-17			2017-18		
			Rate	Qty.	Amt. (Rs)	Rate	Qty.	Amt. (Rs)
1	Fixing of 11 kV AB switch complete with handle isolator	Set.	640.15	1	640.15	677.92	1	677.92
2	Stringing of DOG ACSR conductor with fixing of terminal clamps. (a) 11 kV incoming gantry structure	LS	1066.91	1	1066.91	1129.86	1	1129.86
3	Fixing of T-clamps for jumpers & bimetallic clamps	No.	17.81	35	623.40	18.86	35	660.18
4	Jumpering of DO fuse, AB switch & transformer and fixing of terminal clamps.	LS	640.12	1	640.12	677.89	1	677.89
	Total labour charges.				2970.58			3145.85
	<b>Total Labour Charges. (Rounded off)</b>				2971			3146
5	Transportation of pole from road side to pole pit for a lead of 1.0 Km.				7061.91			

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

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**Addl. Chief Engineer (b)**  
 O/o. E.D.(Project) CSPDCL, Raipur

**LABOUR SCHEDULE BL-8**  
**Schedule of Labour Charges For augmentation of 33/11 kv s/s capacity**  
**replacement of power xmer**

S.No.	Particulars	Unit	2016-17		2017-18	
			Rate	Qty.	Rate	Qty.
1	Shifting of Xmer on foundation (including lifting from A/Store)	No.	34252.94	1	34252.94	36273.86
2	Assembling	No.	6850.58	1	6850.58	7254.77
3	Testing and Commissioning of Xmer and VCB	No.	10686.91	1	10686.91	11317.44
4	Digging and concreting of foundation of VCB.	No.	2133.84	1.00	2133.84	2259.74
5	Handling & installation of 33 kV X-mer control and feeder VCB on foundation.	No.	2055.18	1.00	2055.18	2176.43
6	Fixing of T-clamps for jumpers & bimetallic clamps	No.	17.81	35.00	623.40	18.86
7	DC cabling from distrn. Board to yard connection.	LS	640.12	1.00	640.12	677.89
8	Laying of under-ground cable complete including fixing of terminal block.	LS	640.12	1.00	640.12	677.89
	Total labour charges.				57883.09	61298.19
	<b>Total Labour Charges. (Rounded off)</b>				<b>57883</b>	<b>61298</b>

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

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*Amr*  
**Addl. Chief Engineer (o)**  
**O/o. E.D.(Project) CSPDCL, Raipur**

**LABOUR SCHEDULE BL-9**

**Schedule of Labour Charges For installation of 1.6 MVA Power Transformer on line**

S.No.	Particulars	Unit	Qty.	2016-2017		2017-2018	
				Rate	Amt.	Rate	Amt.
1	Pit digging	No.	10	256.06	2560.61	271.17	2711.68
2	Shifting of materials (Other than pole) to pole pits	No.	5	106.69	533.46	112.99	564.93
3	Transportation of support from road side to pole pits for a lead for 1.0 Km.	No.	10	213.38	2133.84	225.97	2259.74
4	Cross arm fixing complete including insulator etc.	No.	5	320.08	1600.38	338.96	1694.80
5	Pole erection complete (Joist)	No.	10	533.46	5334.60	564.93	5649.34
6	Concreting of supports	Cmt.	5.24	602.77	3158.08	638.33	3344.41
7	Fixing of 33 kV DO fuse units.	Set.	1	266.73	266.73	282.47	282.47
8	Fixing of 11 kV DO fuse units.	Set.	1	213.38	213.38	225.97	225.97
9	Fixing of 33 kV LA including earthing.	Set.	1	213.38	213.38	225.97	225.97
10	Fixing of 11 kV LA including earthing.	Set.	1	160.04	160.04	169.48	169.48
11	Stringing of Dog ACSR conductor with fixing of terminal clamps.	LS	LS	LS	1066.92	LS	1129.87
12	Digging and concreting of foundation of X-mer	LS	LS	LS	10669.20	LS	11298.68
13	Painting of channels and supports	LS	LS	LS	640.15	LS	677.92
14	Shifting of Xmer (including lifting from A/Store)	No.	1	25644.07	25644.07	27157.07	27157.07
15	Assembling	No.	1	5128.81	5128.81	5431.41	5431.41
16	Testing and commissioning of power Xmer	No.	1	10001.18	10001.18	10591.25	10591.25
17	Digging of pits and laying out earthing mate connecteion etc	LS	LS	LS	2133.83	LS	2259.72
	<b>Total Labour Charges</b>	LS	LS	LS	<b>71458.66</b>	LS	<b>75674.72</b>

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

  
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## LABOUR SCHEDULE CL-1

## Labour Charges of 11 KV line on PCC poles.

S. No.	Particulars	Unit	Qty.	Year 2016-17		Year 2017-18	
				Rate	Amount	Rate	Amount
1	Survey	Km.	1	3209.08	3209.08	3398.42	3398.42
2	Tree cutting	Km.	1				
3	Approach Clearance	Km.	1				
4	Pit digging	No.	12	213.94	2567.27	226.56	2718.73
5	Stay Pit digging	No.	4	192.54	770.18	203.91	815.62
6	Transportation of pole from road side to pole pit for a lead of 1 Km.	No.	12	213.94	2567.27	226.56	2718.73
7	Shifting of materials to pole pits	No.	12	42.79	513.45	45.31	543.75
8	Cross arm fixing complete with top clamp	No.	12	64.18	770.18	67.97	815.62
9	Pole erection complete (including earthing)	No.	12	534.85	6418.17	566.40	6796.84
10	Concreting of stay and poles	Cmt.	1.44	604.33	872.87	639.99	924.37
11	Stay erection complete	No.	4	139.06	556.24	147.26	589.06
12	Insulator fixing with GI Pin	No.	36	14.98	539.13	15.86	570.93
13	Anti climbing devices and danger board fixing	No.	12	53.48	641.82	56.64	679.68
14	Painting of cross arm & numbering of poles	No.	12	53.48	641.82	56.64	679.68
15	Stringing of line (Rabbit) all three conductor	Km.	1	7701.80	7701.80	8156.20	8156.20
16	Carpet guarding	Span	1	1069.69	1069.69	1132.81	1132.81
17	Twisting of jointing sleeves	No.	3	47.07	141.20	49.84	149.53
	<b>TOTAL</b>				<b>28980.16</b>		<b>30689.99</b>
	Stringing of line (Weasel) all three conductor	Km.	1	7059.98	<b>25789.35</b>	7476.52	<b>27310.92</b>

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

  
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LABOUR SCHEDULE CL-2									
Labour charges per Km. of 11 kV D.P. Structure on PCC pole									
S. No.	Particulars	Unit	Qty.	Rate for 2016-2017		Rate for 2017-2018			
				Rate	Amount	Rate	Amount		
1	Pit digging	No.	2	213.94	427.88	226.56	453.12		
2	Stay Pit digging	No.	6	192.54	1155.27	203.91	1223.43		
3	Shifting of materials to pole pit	Set	1	149.76	149.76	158.59	158.59		
4	Transportation of pole from road side to pole pit for a lead of 1 Km.	No.	2	213.94	427.88	226.56	453.12		
5	Cross arm fixing complete including insulator etc.	No.	1	320.91	320.91	339.84	339.84		
6	Pole erection complete (including earthing)	No.	2	534.85	1069.69	566.40	1132.81		
7	Concreting of stay and poles	Cmt.	2.15	604.33	1300.75	639.99	1377.49		
8	Stay erection complete	No.	6	139.06	834.36	147.26	883.59		
9	Anticlimbing devices and danger board fixing	No.	2	53.48	106.97	56.64	113.28		
10	Painting of cross arm and numbering of poles etc.	No.	2	64.18	128.36	67.97	135.94		
	<b>TOTAL</b>				<b>5921.83</b>		<b>6271.22</b>		

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

  
**M.D. Badgalyan (93513883)**  
 Executive Engineer  
 Project Division  
 C.S.P.D.C.L., Raipur




**LABOUR SCHEDULE CL-3**

**Labour Charges for 25/63/100/200 KVA 11/0.4 kV Out Door Transformer Sub-station**

S. No.	Particulars	Unit	Qty.	25 kVA X-Mer 2016-2017		63/100 kVA X-Mer 2016-2017		200 kVA X-Mer 2016-2017		25 kVA X-Mer 2017-2018		63/100 kVA X-Mer 2017-2018		200 kVA X-Mer 2017-2018	
				Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
1	Pit digging	Each	2	213.38	426.77	213.38	426.77	256.73	513.45	225.97	451.95	225.97	451.95	271.87	543.75
2	Stay Pit digging	Each	4	192.05	768.18	192.05	768.18	192.54	770.18	203.38	813.50	203.38	813.50	203.91	815.62
3	Shifting of materials to pole pits	Set	1	213.38	213.38	213.38	213.38	213.94	213.94	225.97	225.97	225.97	225.97	226.56	226.56
4	Transportation of pole from road side to pole pit	Each	2	213.38	426.77	213.38	426.77	213.94	427.88	225.97	451.95	225.97	451.95	226.56	453.12
5	DC Cross arm fixing complete including insulator	Each	2	320.08	640.15	320.08	640.15	320.91	641.82	338.96	677.92	338.96	677.92	339.84	679.68
6	Pole erection complete including earthing	Each	2	533.46	1066.92	533.46	1066.92	0.00	0.00	564.93	1129.87	564.93	1129.87	0.00	0.00
7	Concreting of stay and base pad for poles	Cmt.	1.98	602.77	1194.95	602.77	1194.95	602.77	1194.95	638.33	1265.45	638.33	1265.45	638.33	1265.45
8	Stay erection complete	Each	4	138.70	554.80	138.70	554.80	138.70	554.80	146.88	587.53	146.88	587.53	146.88	587.53
9	Fixing of LA Set	Set	1	160.04	160.04	160.04	160.04	160.04	160.04	169.48	169.48	169.48	169.48	169.48	169.48
10	Anti climbing devices and danger board fixing	Each	2	53.35	106.69	53.35	106.69	53.35	106.69	56.49	112.99	56.49	112.99	56.49	112.99
11	Painting of cross arm & numbering of poles.	Each	2	85.35	170.71	85.35	170.71	256.06	512.12	90.39	180.78	90.39	180.78	271.17	542.34
12	Fixing of LT switch box & transformer wiring etc.	Job	1	426.77	426.77	640.15	640.15	640.15	640.15	451.95	451.95	677.92	677.92	677.92	677.92
13	Handling and installation of transformer on structure	Job	1	640.15	640.15	853.54	853.54	1280.30	1280.30	677.92	677.92	903.89	903.89	1355.84	1355.84
14	Fixing of D.O fuse complete with base channel	Set	1	213.38	213.38	213.38	213.38	213.38	213.38	225.97	225.97	225.97	225.97	225.97	225.97
15	Earthing of S/s including pit digging, laying and connecting wires to supports X-mer etc.	Set	1	746.84	746.84	746.84	746.84	746.84	746.84	790.91	790.91	790.91	790.91	790.91	790.91
16	Fixing of 11 KV AB switch	Set	1	0.00	0.00	0.00	0.00	640.15	640.15	0.00	0.00	0.00	0.00	677.92	677.92
17	Installation & commissioning of DT Meter	Job	1	704.17	704.17	704.17	704.17	704.17	704.17	745.71	745.71	745.71	745.71	745.71	745.71
18	Rail / H Beam Pole erection complete incl. earthing	No.	2	0.00	0.00	0.00	0.00	853.54	1707.07	0.00	0.00	0.00	0.00	903.89	1807.79
	<b>TOTAL</b>				<b>8460.67</b>		<b>8887.44</b>		<b>11027.94</b>		<b>8959.85</b>		<b>9411.80</b>		<b>11678.59</b>

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

  
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 Executive Engineer  
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**LABOUR SCHEDULE CL-3 (B)**

**Labour Charges for per Km. of 11 kV line on H-Beam (11 mtr. ) & 200 KG PCC Pole 9 Mtr. with AB Cable**

S. No.	Particulars	Unit	Qty.	With H-Beam		With H-Beam		With 200 KG 9 Mtr long PCC Pole		With 200 KG 9 Mtr long PCC Pole	
				2016-2017		2017-2018		2016-2017		2017-2018	
				Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
1	Survey	Km.	1								
2	Tree cutting	Km.	1	3200.76	3200.76	3389.60	3389.60	3200.76	3200.76	3389.60	3389.60
3	Approach Clearance	Km.	1								
4	Pit digging	No.	29	256.06	7425.76	271.17	7863.88	256.06	7425.67	271.16	7863.78
5	Stay Pit digging	No.	12	213.38	2560.61	225.97	2711.68	213.38	2560.61	225.97	2711.68
6	Transportation of pole from road side to pole pit for a lead of 1 Km.	No.	29	320.08	9282.20	338.96	9829.85	266.73	7735.24	282.47	8191.62
7	Shifting of materials to pole pits	No.	29	42.68	1237.63	45.19	1310.65	42.68	1237.63	45.19	1310.65
8	Cross arm fixing complete with top clamp	No.	37	64.02	2368.56	67.79	2508.31	64.02	2368.56	67.79	2508.31
9	Pole erection complete (including earthing)	No.	29	853.54	24752.53	903.89	26212.93	717.62	20811.10	759.96	22038.95
10	Concreting of stay and poles	Cmt.	17.70	602.77	10669.20	638.33	11298.68	602.77	10669.20	638.33	11298.68
11	Stay erection complete	No.	12	149.37	1792.42	158.18	1898.18	149.37	1792.42	158.18	1898.18
12	Anti climbing devices and danger board fixing	No.	29	53.35	1547.03	56.49	1638.31	53.35	1547.03	56.49	1638.31
13	Painting of Hardware and numbering of poles including steel pole.	No.	29	256.06	7425.76	271.17	7863.88	15.93	462.04	16.87	489.31
14	Stringing of AB Cable 3x35+35 three conductor	Km.	1.06	7041.67	7464.17	7457.13	7904.56	7041.67	7464.17	7457.13	7904.56
15	Formation of Cable termination Kit	Set.	9	2727.05	24543.49	2887.95	25991.56	2727.05	24543.49	2887.95	25991.56
16	Formation of Cable straight through joint	Set.	6	3224.23	19345.40	3414.46	20486.78	3224.23	19345.40	3414.46	20486.78
	<b>TOTAL</b>				<b>123615.53</b>		<b>130908.85</b>		<b>111163.32</b>		<b>117721.96</b>

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

  
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**LABOUR SCHEDULE CL-4**

**Labour Charges for per Km. of 11 kV line on 11 Mtr long H-Beam / 365 Kg PCC Pole**

S. No.	Particulars	Unit	Qty.	Using H-Beam		Using H-Beam		Using 365 Kg 11 Mtr long PCC Pole		Using 365 Kg 11 Mtr long PCC Pole	
				2016-2017 (Weasel)	2017-2018	2016-2017 (Weasel)	2017-2018 (Weasel)	2016-2017 (Weasel)	2017-2018 (Weasel)	2016-2017 (Weasel)	2017-2018 (Weasel)
				Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
1	Survey	Km.	1								
2	Tree cutting	Km.	1	3200.76	3200.76	3389.60	3389.60	3200.76	3200.76	3389.60	3389.60
3	Approach Clearance	Km.	1								
4	Pit digging	No.	12	256.06	3072.73	271.17	3254.02	281.48	3377.70	298.08	3576.99
5	Stay Pit digging	No.	4	213.38	853.54	225.97	903.89	213.38	853.52	225.97	903.88
6	Transportation of pole from road side to pole pit for a lead of 1 Km.	No.	12	320.08	3840.91	338.96	4067.52	383.44	4601.32	406.07	4872.80
7	Shifting of materials to pole pits	No.	12	42.68	512.12	45.19	542.34	42.68	512.14	45.20	542.35
8	Cross arm fixing complete with top clamp	No.	12	64.02	768.18	67.79	813.50	64.02	768.20	67.79	813.53
9	Pole erection complete (including earthing)	No.	12	853.54	10242.43	903.89	10846.73	1045.18	12542.12	1106.84	13282.10
10	Concreting of stay and poles	Cmt.	7.65	602.77	4609.09	638.33	4881.03	602.71	4608.65	638.27	4880.56
11	Stay erection complete	No.	4	149.37	597.47	158.18	632.73	149.37	597.49	158.19	632.74
12	Insulator fixing with GI Pin	No.	36	14.94	537.73	15.82	569.45	14.93	537.63	15.82	569.35
13	Anti climbing devices and danger board fixing	No.	12	53.35	640.15	56.49	677.92	53.34	640.11	56.49	677.87
14	Painting of Hardware and numbering of poles including steel pole.	No.	12	256.06	3072.73	271.17	3254.02	64.02	768.20	67.79	813.53
15	Stringing of line (Weasel) all three conductor	Km.	1	7041.67	7041.67	7457.13	7457.13	7041.67	7041.67	7457.13	7457.13
16	Carpet guarding	Span	1	1066.92	1066.92	1129.87	1129.87	1066.92	1066.92	1129.87	1129.87
17	Twisting of jointing sleeves	No.	3	46.94	140.83	49.71	149.14	64.02	192.05	67.79	203.38
	<b>TOTAL</b>				<b>40197.26</b>		<b>42568.90</b>		<b>41308.49</b>		<b>43745.69</b>
	Stringing of line (Rabbit) all three conductor	Km.	1	7681.82	40837.41	8135.05	43246.82	7681.82	41948.64	8135.05	44423.61
	Stringing of line (Raccoon) all three conductor	Km.	1	8321.97	41477.57	8812.97	43924.74	8321.97	42588.79	8812.97	45101.53
	Stringing of line (Dog) all three conductor	Km.	1	9602.28	42757.87	10168.82	45280.59	9602.28	43869.10	10168.82	46457.38

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

  
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## LABOUR SCHEDULE CL-5

Labour charges per Km. of 11 kV D.P. structure on 11 Mtr long  
H-Beam / 365 Kg PCC Pole

S. No.	Particulars	Unit	Qty.	Using H-Beam		Using H-Beam		Using 365 Kg 11 Mtr long PCC Pole		Using 365 Kg 11 Mtr long PCC Pole	
				2016-2017		2017-2018		2016-2017 (Weasel)		2017-2018 (Weasel)	
				Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
1	Pit digging	No.	2	256.06	512.12	271.17	542.34	281.48	562.95	298.08	596.16
2	Stay Pit digging	No.	6	213.38	1280.30	225.97	1355.84	213.38	1280.28	225.97	1355.81
3	Shifting of materials to pole pit	Set	1	149.37	149.37	158.18	158.18	149.37	149.37	158.19	158.19
4	Transportation of pole from road side to pole pit for a lead of 1 Km.	No.	2	320.08	640.15	338.96	677.92	383.44	766.89	406.07	812.13
5	DC Cross arm fixing complete including insulator etc.	No.	1	320.08	320.08	338.96	338.96	320.07	320.07	338.96	338.96
6	Pole erection complete (including earthing)	No.	2	853.54	1707.07	903.89	1807.79	1045.18	2090.35	1106.84	2213.68
7	Concreting of stay and poles	Cmt.	2.15	602.77	1297.37	638.33	1373.92	602.71	1297.25	638.27	1373.79
8	Stay erection complete	No.	6	149.37	896.21	158.18	949.09	149.37	896.24	158.19	949.12
9	Anticlimbing devices and danger board fixing	Set	2	53.35	106.69	56.49	112.99	53.34	106.68	56.49	112.98
10	Painting of cross arm, pole and numbering of poles etc.	No.	2	256.06	512.12	271.17	542.34	64.02	128.03	67.79	135.59
	<b>TOTAL</b>				<b>7421.49</b>		<b>7859.36</b>		<b>7598.12</b>		<b>8046.41</b>

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

  
**M.D. Badarayan (93513883)**  
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**LABOUR SCHEDULE CL-6**

**Labour charges for per Km. of 11 kV line on RS Joist (11 mtr.)**

S. No.	Particulars	Unit	Qty.	2016-2017		2017-2018	
				Rate	Amount	Rate	Amount
1	Survey	Km.	1				
2	Tree cutting	Km.	1	3200.76	3200.76	3389.60	3389.60
3	Approach Clearance	Km.	1				
4	Pit digging	No.	12	256.06	3072.73	271.17	3254.02
5	Stay Pit digging	No.	4	213.38	853.54	225.97	903.89
6	Transportation of pole from road side to pole pit for a lead of 1 Km.	No.	12	320.08	3840.91	338.96	4067.52
7	Shifting of materials to pole pits	No.	12	42.68	512.12	45.19	542.34
8	Cross arm fixing complete with top clamp	No.	12	64.02	768.18	67.79	813.50
9	Pole erection complete with earthing	No.	12	853.54	10242.43	903.89	10846.73
10	Concreting of stay and poles	Cmt.	7.65	602.77	4609.09	638.33	4881.03
11	Stay erection complete.	No.	4	149.37	597.47	158.18	632.73
12	Insulator fixing with GI Pin.	No.	36	14.94	537.73	15.82	569.45
13	Anti climbing devices and danger board fixing	No.	12	53.35	640.15	56.49	677.92
14	Painting of Hardware and numbering of poles including steel pole.	No.	12	256.06	3072.73	271.17	3254.02
15	Stringing of line (Weasel) all three conductor.	Km.	1	7041.67	7041.67	7457.13	7457.13
16	Carpet guarding.	Span	1	1066.92	1066.92	1129.87	1129.87
17	Twisting of jointing sleeves.	No.	3	46.94	140.83	49.71	149.14
	<b>TOTAL</b>				<b>40197.26</b>		<b>42568.90</b>
	Stringing of line (Rabbit) all three conductor.	Km.	1	7681.82	7681.82	8135.04	8135.04
					<b>40837.41</b>		<b>43246.82</b>

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compare to the rates applicable for normal soil.

R

M.D. Badgaiyan (93513883)  
Executive Engineer  
Project Division  
C.S.P.D.C.L., Raipur

LABOUR SCHEDULE CL-7							
Labour charges per Km. of 11 KV D.P. structure with R.S.Joist							
S. No.	Particulars	Unit	Qty.	2016-2017		2017-2018	
				Rate	Amount	Rate	Amount
1	Pit digging	No.	2	256.06	512.12	271.17	542.34
2	Stay Pit digging	No.	6	213.38	1280.30	225.97	1355.84
3	Shifting of materials to pole pit	Set	1	149.37	149.37	158.18	158.18
4	Transportation of pole from road side to pole pit for a lead of 1 Km.	No.	2	320.08	640.15	338.96	677.92
5	DC Cross arm fixing complete including insulator etc.	No.	1	320.08	320.08	338.96	338.96
6	Pole erection complete (including earthing)	No.	2	853.54	1707.07	903.89	1807.79
7	Concreting of stay and poles	Cmt.	2.15	602.77	1297.37	638.33	1373.92
8	Stay erection complete	No.	6	149.37	896.21	158.18	949.09
9	Anticlimbing devices and danger board fixing	Set	2	53.35	106.69	56.49	112.99
10	Painting of cross arm, pole and numbering of poles etc.	No.	2	256.06	512.12	271.17	542.34
	<b>TOTAL</b>				<b>7421.49</b>		<b>7859.36</b>

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compare to the rates applicable for normal soil.

R

M.D. Badgaiyan (93513883)  
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Project Division  
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**LABOUR SCHEDULE CL-7 (B-1) B**

**Labour Schedule - for Renovation of Existing Distribution X-mer S/s.**

S. No.	Particulars	Unit	2016-2017		2016-2017		2016-2017		2016-2017		2017-2018		2017-2018		2017-2018	
			Rate	2016-2017	63 kVA X-mer Qty.	Amount	100 kVA X-mer Qty.	Amount	200 kVA X-mer Qty.	Amount	Rate	2017-2018	63 kVA X-mer Qty.	Amount	100 kVA X-mer Qty.	Amount
1	Shifting of material to pole pits	Set	207.64	1	207.64	1	207.64	1	207.64	219.89	1	219.89	1	219.89	1	219.89
	Fixing of LT distribution of Box with Cable		0.00		0.00		0.00		0.00	0.00		0.00		0.00		0.00
2	63/100 KVA	Each	1191.67	1	1191.67	1	1121.92	0	0.00	1261.98	1	1261.98	1	1188.11	0	0.00
3	200 KVA	Each	2220.83		0.00		0.00	1	2090.84	2351.86		0.00		0.00	1	2214.20
4	Handling/ Inst. Of Transformer	Each	LS	1	1461.68	1	2667.29	1	2667.29	LS	1	1547.92	1	2824.66	1	2824.66
5	Earthing of S/s	LS	LS	1	1280.30	1	1280.30	1	1280.30	LS	1	1355.84	1	1355.84	1	1355.84
	<b>TOTAL</b>				<b>4141.29</b>		<b>5277.15</b>		<b>6246.08</b>			<b>4385.63</b>		<b>5588.51</b>		<b>6614.60</b>

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

*Amc*  
**Addl. Chief Engineer (o)**  
**O/o. E.D.(Project) CSPDCL, Raipur**

**LABOUR SCHEDULE CL-8 (G-1)**

**Single pole mounted low capacity Single phase/Three phase 11/0.4 kV Distribution Transformer Sub-station**

S. No.	Particulars	Unit	Qty.	2016-2017		2017-2018	
				Rate	Amount	Rate	Amount
1	Pit digging	Each	1	213.38	213.38	225.97	225.97
2	Stay Pit digging	Each	4	192.05	768.18	203.38	813.50
3	Shifting of materials to pole pits	Set	1	213.38	213.38	225.97	225.97
4	Transportation of pole from road side to pole pit	Each	1	266.73	266.73	282.47	282.47
5	DC/V Cross arm fixing complete including insulator	Each	1	320.08	320.08	338.96	338.96
6	Pole erection complete including earthing	Each	1	533.46	533.46	564.93	564.93
7	Concreting of stay and base pad for poles	Cmt.	1.33	602.77	802.32	638.33	849.66
8	Stay erection complete	Each	4	138.70	554.80	146.88	587.53
9	Fixing of LA Set (2 Nos.)	Set	1	106.69	106.69	112.99	112.99
10	Anti climbing devices and danger board fixing	Each	1	53.35	53.35	56.49	56.49
11	Painting of cross arm & numbering of poles.	Each	1	85.35	85.35	90.39	90.39
12	Fixing of LT switch box & transformer wiring etc.	Job	1	160.04	160.04	169.48	169.48
13	Handling and installation of transformer on structure	Job	1	213.38	213.38	225.97	225.97
14	Fixing of D.O fuse complete with base channel	Set	1	106.69	106.69	112.99	112.99
15	Earthing of S/s including pit digging laying and connecting wires to supports X-mer etc.	Set	1	746.84	746.84	790.91	790.91
16	Installation & commissioning of TPN switch & DT Meter	Job	1	704.17	704.17	745.71	745.71
	<b>TOTAL</b>				<b>5848.85</b>		<b>6193.94</b>

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

  
**M.D. Badgaiyan (93513883)**  
 Executive Engineer  
 Project Division  
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**LABOUR SCHEDULE CL-9**

**Labour Schedule - Plinth mounted distribution X-mer S/s.**

S. No.	Particulars	Unit	Rate 2016-2017		Rate 2016-2017		Rate 2016-2017		Rate 2016-2017		Rate 2017-2018		Rate 2017-2018		Rate 2017-2018	
			63 KVA X-mer Qty.	Amount	100 KVA X-mer Qty.	Amount	200 KVA X-mer Qty.	Amount	63 KVA X-mer Qty.	Amount	100 KVA X-mer Qty.	Amount	200 KVA X-mer Qty.	Amount		
Pole Pit digging																
1	(i) RSJ	No.	2	541.67	2	541.67	0	0.00	2	573.63	2	573.63	0	0.00	0	0.00
	(ii) H.Beam	No.	0	0.00	0	0.00	2	617.50	0	0.00	0	0.00	2	653.93	2	653.93
2	Stay pit digging	Each	4	830.56	4	830.56	4	830.56	4	879.56	4	879.56	4	879.56	4	879.56
3	Shifting of material to pole pits	Set	1	207.64	1	207.64	1	207.64	1	219.89	1	219.89	1	219.89	1	219.89
4	Transportation of pole from Road side to pole pit	Each	2	415.28	2	415.28	2	415.28	2	439.78	2	439.78	2	439.78	2	439.78
5	Cross arm fixing complete.	Each	2	1679.17	2	1679.17	2	1679.17	2	1778.24	2	1778.24	2	1778.24	2	1778.24
6	Pole erection complete including earthing (RSJ)	Each	2	1570.83	2	1570.83	0	0.00	2	1663.51	2	1663.51	0	0.00	0	0.00
(a)	Pole erection complete including earthing H-Beam	Each	2	1083.33	2	1083.33	2	2166.67	2	2166.67	2	2166.67	2	2294.50	2	2294.50
(b)	Pole erection complete including earthing H-Beam	Each	2	1083.33	2	1083.33	2	2166.67	2	2166.67	2	2166.67	2	2294.50	2	2294.50
7	Concreting	Cmt.	11.47	7312.50	11.47	7312.50	11.89	7583.34	11.47	7743.94	11.47	7743.94	11.89	8030.75	11.89	8030.75
8	Stay erection complete	Each	4	938.89	4	938.89	4	938.89	4	994.28	4	994.28	4	994.28	4	994.28
9	Fixing of LA set.	Set	1	315.97	1	315.97	1	315.97	1	334.61	1	334.61	1	334.61	1	334.61
10	Anticlimbing device and danger board fixing	Each	2	126.39	2	126.39	2	126.39	2	133.85	2	133.85	2	133.85	2	133.85
11	Painting of HW/No. of pole	Each	2	90.28	2	90.28	2	90.28	2	95.60	2	95.60	2	95.60	2	95.60
12	Fixing of LT distribution of Box	Each	1	1191.67	1	1191.67	0	0.00	1	1261.98	1	1261.98	0	0.00	0	0.00
	63/100 KVA	Each	1	1191.67	1	1191.67	0	0.00	1	1261.98	1	1261.98	0	0.00	0	0.00
	200 KVA	Each	1	2220.83	1	2220.83	1	2220.83	1	2351.86	1	2351.86	1	2351.86	1	2351.86
13	Handling/ Inst. Of Transformer	Each	1	1461.68	1	1461.68	1	2667.30	1	1547.92	1	1547.92	1	2824.67	1	2824.67
14	Earthing of S/s	LS	1	1280.30	1	1280.30	1	1280.30	1	1355.84	1	1355.84	1	1355.84	1	1355.84
15	Fixing of DO fuse unit	Set	1	349.46	1	349.46	1	349.46	1	370.08	1	370.08	1	370.08	1	370.08
16	Fixing of AB Switch	Set	0	0.00	1	698.92	1	698.92	0	0.00	0	0.00	1	740.16	1	740.16
	<b>TOTAL</b>			<b>18312.28</b>		<b>20216.82</b>		<b>22188.49</b>		<b>19392.71</b>		<b>21409.62</b>		<b>23497.61</b>		<b>23497.61</b>

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

M.D. Badgaiyan (93513883)  
Executive Engineer  
Project Division  
C.S.P.D.C.L., Raipur

**LABOUR SCHEDULE CL-10**

**Labour Schedule for laying 1 Km. length of 11 kV 3 Core 95 Sqmm UG Cable / 3 Core 240 Sqmm UG Cable/ 3 Core 400 Sqmm under Ground Cable.**

S. No.	Particulars	Unit	2016-2017		2017-2018	
			Qty.	Amount	Qty.	Amount
1	Cable trench excavation 1000x0.6x1=600 ordinary soil.	Cube/Mtr.	600	112666.71	600	119314.04
2	Laying of cable in trench, refilling & consolidation	Km.	1	48875.59	1	51759.25
3	Making of straight through	No.	3	9672.69	3	10243.38
4	Making of cable terminations	No.	2	5454.09	2	5775.88
5	Covering of cable with tiles	Km.	1	2727.05	1	2887.94
6	Spreading sand and forming with sand round the cable	Km.	1	9909.55	1	10494.21
7	Laying of RCC hume pipes	Mtr	100	4054.29	100	4293.50
8	Laying of GI Pipe	Mtr	8	392.63	8	415.79
9	Laying of route & joint indicating staves	No.	30	2240.53	30	2372.72
10	Rate for reinstatement of roads (as per Nagar Nigam / Nagar Palika)	LS				0.00
	<b>TOTAL</b>			<b>195993.13</b>		<b>207556.72</b>

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

**LABOUR SCHEDULE CL-10 (B)**

**Labour Schedule - For Augmentation of 11/0.4 KV S/s Capacity (Assuming 25 Year of life & 10 years in service)**

S. No.	Particulars	Unit	Rate 2016-2017		2016-2017		2016-2017		2016-2017		Rate 2017-2018		2017-2018		2017-2018		2017-2018		
			Rate	Qty.	Amount	Qty.	Amount	Qty.	Amount	Rate	Qty.	Amount	Rate	Qty.	Amount	Rate	Qty.	Amount	
	Pole Pit digging																		
1	(i) RSJ	No.	270.83	4	1083.33	4	1083.33	0	0.00	0.00	286.81	4	1147.25	4	1147.25	0	0.00	0.00	
	(ii) H.Beam	No.	308.75	0	0.00	0	0.00	4	1235.00	0	326.97	0	0.00	0	0.00	4	1307.87	4	1307.87
2	Stay pit digging	Each	207.64	4	830.56	4	830.56	4	830.56	4	219.89	4	879.56	4	879.56	4	879.56	4	879.56
3	Shifting of material to pole pits	Set	207.64	1	207.64	1	207.64	1	207.64	1	219.89	1	219.89	1	219.89	1	219.89	1	219.89
4	Transportation of pole from Road side to pole pit	Each	207.64	4	830.56	4	830.56	4	830.56	4	219.89	4	879.56	4	879.56	4	879.56	4	879.56
5	Cross arm fixing complete.	Each	839.58	2	1679.17	2	1679.17	2	1679.17	2	889.12	2	1778.24	2	1778.24	2	1778.24	2	1778.24
6	Pole erection complete including earthing (RSJ)	Each	785.42	2	1570.83	2	1570.83	0	0.00	0.00	831.76	2	1663.51	2	1663.51	0	0.00	0	0.00
(a)		Each	1083.33		0.00		0.00	2	2166.67	2	1147.25		0.00		0.00	2	2294.50	2	2294.50
(b)	Pole erection complete including earthing H-Beam	Each	637.54	2.95	1877.78	2.95	1877.78	2.95	1877.78	2.95	675.16	2.95	1988.57	2.95	1988.57	2.95	1988.57	2.95	1988.57
7	Concreting	Cmt.	234.72	4	938.89	4	938.89	4	938.89	4	248.57	4	994.28	4	994.28	4	994.28	4	994.28
8	Stay erection complete	Each	315.97	1	315.97	1	315.97	1	315.97	1	334.61	1	334.61	1	334.61	1	334.61	1	334.61
9	Fixing of LA set.	Set	63.19	2	126.39	2	126.39	2	126.39	2	66.92	2	133.85	2	133.85	2	133.85	2	133.85
10	Anticlimbing device and danger board fixing	Each	45.14	2	90.28	2	90.28	2	90.28	2	47.80	2	95.60	2	95.60	2	95.60	2	95.60
11	Painting of HW/No. of pole	Each	0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00
12	Fixing of LT distribution of Box	Each	1191.67	1	1191.67	1	1191.67	0	0.00	0.00	1261.98	1	1261.98	1	1261.98	0	0.00	0	0.00
	63/100 KVA	Each	2220.83		0.00		0.00	1	2220.83	1	2351.86		0.00		0.00	1	2351.86	1	2351.86
	200 KVA	Each	LS	1	1461.68	1	1461.68	1	2667.29	1	2667.30	1	1547.92	1	2824.66	1	2824.67	1	2824.67
13	Handling/ Inst. Of Transformer	LS	LS	1	1280.31	1	1280.31	1	1280.30	1	LS	1	1355.85	1	1355.85	1	1355.84	1	1355.84
14	Earthing of S/s	Set	373.42	1	373.42	1	373.42	1	351.56	1	395.45	1	395.45	1	395.45	1	372.31	1	372.31
15	Fixing of DO fuse unit	Set	746.84	0	0.00	0	0.00	1	703.13	1	790.91	0	0.00	1	790.91	1	744.61	1	744.61
16	Fixing of AB Switch	Set			13858.47		15810.93		17522.02				14676.12		16743.77		18555.82		18555.82
	<b>TOTAL</b>																		

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

**M.D. Badgaiyan (93513883)**  
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**LABOUR SCHEDULE CL-11**

**2016-17**

**LABOUR SCHEDULE FOR INSTALLATION OF COMPACT R.M.U. 11 KV CLASS SF6**  
**/ VCB TYPE (1 INCOMING + 2 BREAKER + 1 OUTGOING)**

S. No.	Particulars	Unit	Qty.	2016-17		2017-18	
				Rate	Amount	Rate	Amount
1	2	3	4	5	6	6	
1	Digging and concreting of foundation of R.M.U.	No.	1	2133.84	2133.84	2259.74	2259.74
2	Handling & installation of R.M.U. on foundation.	No.	1	2055.18	2055.18	2176.44	2176.44
3	Fixing of incoming & outgoing cables on terminals of R.M.U.	L.S.	1	640.12	640.12	677.89	677.89
4	Earthing of RMU including pit digging, laying and connecting wires to RMU etc.	Set	1	746.84	746.84	790.90	790.90
5	Lettering the R.M.U. with enamel paint and also writing single line diagram of each panel, caution Board, Danger Board etc. including cost of paint, Brush etc.	Per Panel	1	528.00	528.00	559.15	559.15
6	<b>Total Labour Charges</b>				<b>6103.98</b>		<b>6464.11</b>
7	<b>Total Labour Charges (Rounded Off)</b>				<b>6104.00</b>		<b>6464.00</b>


*Per*  
**Addl. Chief Engineer (o)**  
**O/α E.D.(Project) CSPDCL, Raipur**

**LABOUR SCHEDULE DL-1**

**Labour Schedule of LT line on PCC supports per Km.**

S. No.	Particulars	Unit	Qty.	Rate for 2016-2017			Rate for 2017-2018				
				Rate	3 P 5 W	3 P 4 W	1 P 3 W	Rate	3 P 5 W	3 P 4 W	1 P 3 W
1	Survey	Km.	1	3200.76	3200.76	3200.76	3200.76	3389.60	3389.60	3389.60	
2	Tree cutting	Km.	1	213.38	3627.53	3627.53	3627.53	225.97	3841.55	3841.55	
3	Approach Clearance	Km.	1	42.68	725.51	725.51	725.51	45.19	768.31	768.31	
4	Pit digging	No.	17	192.05	1728.41	1728.41	1728.41	203.38	1830.39	1830.39	
5	Shifting of materials to pole pits	No.	17	213.38	3627.53	3627.53	3627.53	225.97	3841.55	3841.55	
6	Stay Pit digging	No.	9	53.35	1173.61	1173.61	1173.61	56.49	1242.85	1242.85	
7	Transportation of pole from road side to pole pit for a lead of 1 Km.	No.	22	533.46	9068.82	9068.82	9068.82	564.93	9603.88	9603.88	
8	Fixing of LT clamps complete per location including insulator fixing	No.	17	602.77	1707.07	1707.07	1707.07	638.33	1807.79	1807.79	
9	Pole erection complete with earthing	Cmt.	2.83	149.37	1344.32	1344.32	1344.32	158.18	1423.63	1423.63	
10	Concreting of stay and base pad for poles	No.	9	42.68	938.89	938.89	938.89	45.19	994.28	994.28	
11	Stay erection complete	No.	22	640.15	640.15	640.15	640.15	677.92	677.92	677.92	
12	Painting of cross arm and numbering of poles.	Span	1	42.68	725.51	725.51	725.51	45.19	768.31	768.31	
13	Carpet guarding	Pair	17		28508.09	28508.09	28508.09		30190.07	30190.07	
14	Diamond Guarding										
15	Stringing of line										
	(i) 3P 5W (4 Weasel + 1 Squirrel)	Each	5	11716.83	0.00	0.00	0.00	12408.13	0.00	0.00	
	(ii) 3P 4W (3 Weasel + 1 Squirrel)	Each	4	0.00	9330.07	0.00	0.00	0.00	9880.54	0.00	
	(ii) 1P 3W (2 Weasel + 1 Squirrel)	Each	3				6943.31			6943.31	
	<b>TOTAL</b>				<b>40224.92</b>	<b>37838.16</b>	<b>35451.40</b>	<b>42598.19</b>	<b>40070.61</b>	<b>37133.38</b>	
	(i) Squirrel Conductor	Km.									
	(ii) Weasel Conductor	Km.									
	(iii) Rabbit Conductor	Km.									

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compare to the rates applicable for normal soil.

  
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 Executive Engineer  
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 C.S.P.D.C.L., Raipur

**LABOUR SCHEDULE DL-2**  
Labour Charges per Km. of LT line on R.S. Joist

S. No.	Particulars	Unit	Qty.	2016-17		2017-18		2016-17		2017-18	
				Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
				3P 5W LT line on R.SJ 125x70 mm Max span 45 Mtr.				3P 5W LT line on R.SJ 125x70 mm Max span 45 Mtr.			
1	Survey	Km.	1								
2	Tree cutting	Km.	1	3200.76	3200.76	3389.60	3389.60	3200.76	3200.76	3389.60	3389.60
3	Approach Clearance	Km.	1								
4	Pit digging	No.	22	213.38	4694.45	225.97	4971.42	213.38	3200.76	225.97	3389.60
5	Shifting of materials to pole pits	No.	22	42.68	938.89	45.19	994.28	42.68	3200.76	45.19	3389.60
6	Stay pit digging	No.	12	192.05	2304.55	203.38	2440.51	192.05	3200.76	203.38	3389.60
7	Transportation of pole from road side to pole pit for a lead of 1 Km.	No.	22	170.71	3755.56	180.78	3977.13	213.38	3200.76	225.97	3389.60
8	Fixing of 5 Pin cross arm	No.	27	53.35	1440.34	56.49	1525.32	53.35	3200.76	56.49	3389.60
9	Pole erection complete with earthing	No.	22	426.77	9388.89	451.95	9942.84	533.46	3200.76	564.93	3389.60
10	Concreting of supports	Cmt.	14.39	602.77	8671.92	638.33	9183.57	602.77	3200.76	638.33	3389.60
11	Stay erection complete	No.	12	213.38	2560.61	225.97	2711.68	149.37	3200.76	158.18	3389.60
12	Painting of cross arm, pole and numbering of poles	No.	22	213.38	4694.45	225.97	4971.42	213.38	3200.76	225.97	3389.60
13	Carpet guarding	Span	1	640.15	640.15	677.92	677.92	640.15	3200.76	677.92	3389.60
14	Diamond guarding	Pair	22	42.68	938.89	45.19	994.28	42.68	3200.76	45.19	3389.60
	<b>TOTAL</b>				<b>43229.45</b>		<b>45779.99</b>		<b>32873.93</b>		<b>34813.49</b>
15	Stringing of line 3 Ph. 5 Wire	Each	5	8863.64	44318.20	9386.59	46932.95	11522.73	3200.76	12202.57	3389.60
					<b>52093.09</b>		<b>55166.58</b>		<b>44396.66</b>		<b>47016.06</b>
	(i) Squirrel Conductor	Km.			1000						
	(ii) Weasel Conductor	Km.			1100						
	(iii) Rabbit Conductor	Km.			1200						

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

  
**M.D. Badgaiyan (93513883)**  
 Executive Engineer  
 Project Division  
 C.S.P.D.C.L., Raipur

2016-17

### LABOUR SCHEDULE DL-3 (E-1)

#### Labour schedule for Conversion of LT line into 11 kV line

S. No.	Particular	Unit	Qty.	Year 2016-17		Year 2017-18	
				Rate	Amount	Rate	Amount
1	Survey	Km.	1				
2	Tree cutting	Km.	1	1600.38	1600.38	1694.80	1694.80
3	Approach Clearance	Km.	1				
4	Pit digging for 140 Kg PCC pole	No.	1	213.38	213.38	225.97	225.97
5	Transportation of PCC pole from road side to pole pit.	No.	1	213.38	213.38	225.97	225.97
6	Pole erection complete earthing	No.	1	533.46	533.46	564.93	564.93
7	Dismantalling of L.T. cross arm	No.	17	49.08	834.33	51.97	883.56
8	Dismantalling of L.T. conductor 3 Phase 4 wire	Km.	4	1173.61	4694.45	1242.85	4971.42
9	Shifting of material to pole pits	No.	17	42.68	725.51	45.19	768.31
10	V cross arm and top clamp fixing complete	No.	17	64.02	1088.26	67.79	1152.47
11	Earthing of metallic parts (V-cross and top clamp)	No.	17	149.37	2539.27	158.18	2689.09
12	Pin insulator fixing with GI pin	No.	51	14.94	761.78	15.82	806.73
13	Anti climbing devices and danger board.	No.	17	53.35	906.88	56.49	960.39
14	Painting of cross arm, pole and numbering of poles	No.	17	53.35	906.88	56.49	960.39
15	Stringing of line weasel/ Rabbit all three conductor with binding on insulators	Km.	1	7041.67	7041.67	7457.13	7457.13
16	Carpet guarding.	No.	1	1066.92	1066.92	1129.87	1129.87
17	Twisting of jointing sleeves	No.	3	46.94	140.83	49.71	149.14
18	Re-aligning of leaning PCC pole	No.	5	277.40	1387.00	293.77	1468.83
	<b>TOTAL</b>				<b>24654.38</b>		<b>26108.99</b>

Note:- In 3 Phase 4 Wire LT system, 4th conductor i.e. neutral conductor will be returned to area stores and depreciated value of neutral conductor will be reduced at the time of estimate framing. L.T. R, Y and B Phase conductor will be reutilised and where ever new conductor for 11 KV line required, the same may be incorporated in the estimate.

  
 Addl. Chief Engineer (P)  
 Sd/- E.D.(Project) CSPDCL, Raipur

**LABOUR SCHEDULE DL-4**  
Labour schedule per Km. of LT line conversion max. span of 45 mtr.

S. No.	Particular	Unit	Rate Year 2016-17	Year 2016-17		Year 2016-17		Year 2016-17		Rate Year 2017-18	Year 2017-18		Year 2017-18		Year 2017-18	
				Qty.	Amount	Qty.	Amount	Qty.	Amount		Qty.	Amount	Qty.	Amount	Qty.	Amount
1	Shifting of materials to pole-pt	No.	53.35	22	1173.61	22	1173.61	22	1173.61	56.49	22	1242.85	22	1242.85	22	1242.85
2	Fixing of LT cross arm & shackle insulator per location	No.	96.02	24	2304.55	24	2304.55	24	2304.55	101.69	24	2440.51	24	2440.51	24	2440.51
3	Painting of LT cross arm	No.	21.34	24	512.12	24	512.12	24	512.12	22.60	24	542.34	24	542.34	24	542.34
4	Stringing of conductor	Each wire	4523.74	1	4523.74	1	4523.74	2	9047.48	4790.64	1	4790.64	2	9581.28	1	4790.64
5	Diamond guarding	No.	34.14	44	1502.22	44	1502.22	44	1502.22	36.16	44	1590.85	44	1590.85	44	1590.85
	<b>TOTAL</b>				<b>10016.24</b>		<b>14539.98</b>		<b>10016.24</b>			<b>10607.20</b>		<b>15397.84</b>		<b>10607.20</b>

*Amr*  
**Addl. Chief Engineer (o)**  
O/o. E.D.(Project) CSPDCL, Raipur



## LABOUR SCHEDULE DL-5 (E-2)

### Labour Schedule for Conversion of 1 Km 1 Phase 3 Wire LT line into 11 kV line

S. No.	Particulars	Unit	Qty.	Year 2016-17		Year 2017-18	
				Rate Rs.	Amount Rs.	Rate Rs.	Amount Rs.
1	Survey	Km.	1				
2	Tree cutting	Km.	1	1600.38	1600.38	1694.80	1694.80
3	Approach Clearance	Km.	1				
4	Pit digging for 140 Kg PCC pole	No.	1	213.38	213.38	225.97	225.97
5	Transportation of PCC pole from road side to pole pit.	No.	1	213.38	213.38	225.97	225.97
6	Pole erection complete with earthing	No.	1	533.46	533.46	564.93	564.93
7	Dismantling of L. T. Cross arm.	No.	22	49.08	1079.72	51.97	1143.43
8	Dismantling of LT conductor 3 phase 4 wire	Km.	3	1173.61	3520.83	1242.85	3728.56
9	Shifting of materials to pole pits.	No.	22	42.68	938.89	45.19	994.28
10	V - Cross arm and top clamp fixing complete.	No.	22	64.02	1408.33	67.79	1491.43
11	Earthing of metallic parts. (V - cross and top clamp)	No.	22	149.37	3286.11	158.18	3479.99
12	Pin Insulator fixing with GI pins.	No.	66	14.94	985.83	15.82	1044.00
13	Anti Climbing devices and danger board fixing	No.	22	53.35	1173.61	56.49	1242.85
14	Painting of cross arm, pole and numbering of poles	No.	22	53.35	1173.61	56.49	1242.85
15	Stringing of line Weasel / Rabbit all three conductor with binding on insulators.	Km.	1	7041.67	7041.67	7457.13	7457.13
16	Stringing of line squirrel conductor.	Km.	1.03	2347.22	2417.64	2485.71	2560.28
17	Carpet guarding with stay.	No.	1	1066.92	1066.92	1129.87	1129.87
18	Carpet guarding without stay.	No.	21	128.03	2688.64	135.58	2847.27
19	Twisting for jointing sleeves	No.	3	46.94	140.83	49.71	149.14
20	Re-aligning of leaning PCC pole	No.	5	277.40	1387.00	293.77	1468.83
21	Laying of PVC insulated cable 16 sqmm 2 core unarmoured with 4 mm G.I. wire.	Mtr.	10.5	501.45	5265.25	531.04	5575.90
	<b>TOTAL</b>				<b>36135.50</b>		<b>38267.49</b>

**LABOUR SCHEDULE DL-6 (E-3)**

**Labour Schedule for Conversion of 1 Km. 3 Phase 5 Wire LT line into 11 KV line**

S. No.	Particulars	Unit	Qty.	Year 2016-17		Year 2017-18	
				Rate Rs.	Amount Rs.	Rate Rs.	Amount Rs.
1	Survey	Km.	1				
2	Tree cutting	Km.	1	1600.38	1600.38	1694.80	1694.80
3	Approach Clearance	Km.	1				
4	Pit digging for 140 Kg PCC pole	No.	1	213.38	213.38	225.97	225.97
5	Transportation of PCC pole from road side to pole pit.	No.	1	213.38	213.38	225.97	225.97
6	Pole erection complete with earthing	No.	1	533.46	533.46	564.93	564.93
7	Dismantling of L. T. cross arm.	No.	22	49.08	1079.72	51.97	1143.43
8	Dismantling of LT conductor 3 phase 4 wire	Km.	5	1173.61	5868.06	1242.85	6214.27
9	Shifting of materials to pole pits.	No.	22	42.68	938.89	45.19	994.28
10	V - Cross arm and top clamp fixing complete.	No.	22	64.02	1408.33	67.79	1491.43
11	Earthing of metallic parts (V - cross and top clamp)	No.	17	149.37	2539.27	158.18	2689.09
12	Pin Insulator fixing with GI pins.	No.	66	14.94	985.83	15.82	1044.00
13	Anti Climbing devices and danger board fixing	No.	22	53.35	1173.61	56.49	1242.85
14	Painting of cross arm, pole and numbering of poles	No.	22	53.35	1173.61	56.49	1242.85
15	Stringing of line Weasel / Rabbit all three conductor with binding on insulators.	Km.	1	7041.67	7041.67	7457.13	7457.13
16	Stringing of line squirrel Conductor.	Km.	1.03	2347.22	2417.64	2485.71	2560.28
17	Carpet guarding with stay	No.	1	1066.92	1066.92	1129.87	1129.87
18	Carpet guarding without stay.	No.	21	128.03	2688.64	135.58	2847.27
19	Twisting for jointing sleeves	No.	3	46.94	140.83	49.71	149.14
20	Re-aligning of leaning PCC pole	No.	5	277.40	1387.00	293.77	1468.83
21	Laying of PVC insulated cable 16 Sqmm 2 Core unarmoured with 4 mm G.I. wire	Mtr.	1050	5.01	5264.46	5.31	5575.07
	<b>TOTAL</b>				<b>37735.10</b>		<b>39961.47</b>

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**Addl. Chief Engineer (c)**  
O/o. E.D./Project CSPDCL, Bahur

**LABOUR SCHEDULE DL-6 (A)**

**Charge for 3 phase 5 Wire Bare conductor Replacement with AB Cable**

S. No.	Particulars	Unit	Qty.	Year 2016-17		Year 2017-18	
				Rate Rs.	Amount Rs.	Rate Rs.	Amount Rs.
				Using 1100 V grade AB Cable 3x50+1x25+1x35 sqmm.			
1	Survey	Km.	1				
2	Tree cutting	Km.	1	3220.03	3220.03	3410.01	3410.01
3	Approach Clearance	Km.	1				
4	Shifting of materials to pole pits.	No.	20	42.68	853.54	45.19	903.89
5	fixing of LT clams complete per location including service ring. Distribution box , piercing connector	No.	30	53.34	1600.21	56.49	1694.62
6	Stringht through Jointing	No.	20	64.01	1280.22	67.79	1355.75
7	stringing of 3 Phase 5 Wire (Cable )	Each	1	11522.69	11522.69	12202.53	12202.53
8	Distmentling of Bare Conductor (50% of Transport & Labour Charges other than Dismentling )		0	0.00	12204.74	0.00	12924.82
	<b>TOTAL</b>			0.00	<b>30681.42</b>	0.00	<b>32491.62</b>
9	Transportation Charges		1	5355.83	5355.83	5671.83	5671.83
	<b>Grand Total</b>				<b>36037.25</b>		<b>38163.45</b>
	<b>Grand Total (ROUND OFF)</b>				<b>36037.00</b>		<b>38163.00</b>

*Perr*  
**Addl. Chief Engineer (c)**  
**C/o. E.D.(Project) CSPDCL, Raipur**

**LABOUR SCHEDULE DL-6(B)**

**Labour Schedule for additional LT Mid Span Joist support with AB cable**

S. No.	Particulars	Unit	Qty.	Rate for 2016-2017		Rate for 2017-2018	
				Rate	Amount	Rate	Amount
1	Pit digging	No.	1	213.38	213.38	225.97	225.97
2	Shifting of materials to pole pits	No.	1	42.68	42.68	45.19	45.19
3	Transportation of pole from road side to pole pit for a lead of 1 Km.	No.	1	213.38	213.38	225.97	225.97
4	Fixing of LT clamps complete per location including Service ring, Distribution box, piercing connector, etc.	No.	1	53.35	53.35	56.49	56.49
5	Pole erection complete with earthing	No.	1	533.46	533.46	564.93	564.93
6	Concreting of base pad and pole	Cmt.	0.51	602.77	307.27	638.33	325.40
7	Painting of cross arm and numbering of poles.	No.	1	42.68	42.68	45.19	45.19
	<b>TOTAL</b>				<b>1406.20</b>		<b>1489.17</b>

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compare to the rates applicable for normal soil.

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**M.D. Badgaiyan (93513863)**  
Executive Engineer  
Project Division  
C.S.P.D.C.L., Raipur

**COST SCHEDULE -- DL - 7**

**FOR D-6 (1) & D-6 (2)**

1. KM. OF 3 PHASE 5 WIRE LINE ON 140 KG. PCC POLE 8 MTR. LONG USING AB XLPE CABLE FOR RURAL AREAS WITH MAXIMUM SPAN 50 MTRS. AND R.S. JOIST/H-BEAM POLE SUPPORT USING AB XLPE CABLE WITH MAXIMUM SPAN 50 METER URBAN AREA

S. No	PARTICULARS	Unit	Qty.	2016-17										2017-18									
				140 Kg, 8.0 Mtr. long PCC support		H-BEAM 152x152 mm 9.3 Mtr Long i.e. 333.9 Kg/pole x 20 Nos = 6678 Kgs		RS Joist (175X85) mm 9.3 Mtr Long i.e. 19.495 kg/mtr x 9.3 mtr = 181.30 kg x 20 No = 3626.07 Kgs		140 Kg, 8.0 Mtr. long PCC support		H-BEAM 152x152 mm 9.3 Mtr Long i.e. 333.9 Kg/pole x 20 Nos = 6678 Kgs		RS Joist (175X85) mm 9.3 Mtr Long i.e. 19.495 kg/mtr x 9.3 mtr = 181.30 kg x 20 No = 3626.07 Kgs									
		Using 1100 V grade AB Cable 3x50 + 1x25 + 1x35 sqmm.		Using 1100 V grade AB Cable 3x35 + 1x16 + 1x35 sqmm.		Using 1100 V grade AB Cable 3x50 + 1x25 + 1x35 sqmm.		Using 1100 V grade AB Cable 3x50 + 1x25 + 1x35 sqmm.		Using 1100 V grade AB Cable 3x35 + 1x16 + 1x35 sqmm.		Using 1100 V grade AB Cable 3x50 + 1x25 + 1x35 sqmm.		Using 1100 V grade AB Cable 3x35 + 1x16 + 1x35 sqmm.		Using 1100 V grade AB Cable 3x50 + 1x25 + 1x35 sqmm.		Using 1100 V grade AB Cable 3x35 + 1x16 + 1x35 sqmm.		Using 1100 V grade AB Cable 3x50 + 1x25 + 1x35 sqmm.			
		Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount		
1	Survey	Km.	3																				
2	Tree cutting	Km.	1																				
3	Approach Clearance	Km.	1																				
4	Pit digging	No.	20	213.38	4267.68	213.38	4267.68	213.38	4267.68	213.38	4267.68	213.38	4267.68	213.38	4267.68	213.38	4267.68	213.38	4267.68	213.38	4267.68	213.38	4267.68
5	Shifting of materials to pole pits	No.	20	42.68	853.54	42.68	853.54	42.68	853.54	42.68	853.54	42.68	853.54	42.68	853.54	42.68	853.54	42.68	853.54	42.68	853.54	42.68	853.54
6	Stay Pit digging	No.	12	192.05	2304.55	192.05	2304.55	192.05	2304.55	192.05	2304.55	192.05	2304.55	192.05	2304.55	192.05	2304.55	192.05	2304.55	192.05	2304.55	192.05	2304.55
7	Transportation of pole from road side to pole pit for a lead of 1 Km.	No.	20	213.38	4267.68	213.38	4267.68	213.38	4267.68	213.38	4267.68	213.38	4267.68	213.38	4267.68	213.38	4267.68	213.38	4267.68	213.38	4267.68	213.38	4267.68
8	Fixing of LT clamps complete per location including Service ring, distribution box, piercing connector	No.	20	53.35	1066.92	53.35	1066.92	53.35	1066.92	53.35	1066.92	53.35	1066.92	53.35	1066.92	53.35	1066.92	53.35	1066.92	53.35	1066.92	53.35	1066.92
9	Pole erection complete with earthing	No.	20	533.46	10669.20	533.46	10669.20	533.46	10669.20	533.46	10669.20	533.46	10669.20	533.46	10669.20	533.46	10669.20	533.46	10669.20	533.46	10669.20	533.46	10669.20
10	Concreting of stay and base pad for poles	Cmt.	3.37	602.77	2031.41	602.77	2031.41	602.77	2031.41	602.77	2031.41	602.77	2031.41	602.77	2031.41	602.77	2031.41	602.77	2031.41	602.77	2031.41	602.77	2031.41
11	Concreting of stay and pole	Cmt.	8.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Concreting of stay and pole	Cmt.	12.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Stay erection complete	No.	12	149.37	1792.42	149.37	1792.42	149.37	1792.42	149.37	1792.42	149.37	1792.42	149.37	1792.42	149.37	1792.42	149.37	1792.42	149.37	1792.42	149.37	1792.42
14	Painting of cross arm and numbering of poles	No.	20	42.68	853.54	42.68	853.54	42.68	853.54	42.68	853.54	42.68	853.54	42.68	853.54	42.68	853.54	42.68	853.54	42.68	853.54	42.68	853.54
15	TOTAL				31307.69		31307.69		31307.69		31307.69		31307.69		31307.69		31307.69		31307.69		31307.69		31307.69
16	Shrinking of line	Each	1	11522.73	11522.73	11522.73	11522.73	11522.73	11522.73	11522.73	11522.73	11522.73	11522.73	11522.73	11522.73	11522.73	11522.73	11522.73	11522.73	11522.73	11522.73	11522.73	11522.73
17	(I) 3P 5W ( Cable )	Each	0	9175.51	0.00	9175.51	0.00	9175.51	0.00	9175.51	0.00	9175.51	0.00	9175.51	0.00	9175.51	0.00	9175.51	0.00	9175.51	0.00	9175.51	0.00
18	(II) 3P 4W ( Cable )	Each	0	6828.28	0.00	6828.28	0.00	6828.28	0.00	6828.28	0.00	6828.28	0.00	6828.28	0.00	6828.28	0.00	6828.28	0.00	6828.28	0.00	6828.28	0.00
19	(III) 1P 3W ( Cable )	Each	0	42830.42	0.00	42830.42	0.00	42830.42	0.00	42830.42	0.00	42830.42	0.00	42830.42	0.00	42830.42	0.00	42830.42	0.00	42830.42	0.00	42830.42	0.00
20	Transportation Charges		1																				
GRAND TOTAL																							
GRAND TOTAL (ROUND OFF)																							

  
**M.D. Badgaiyan (93513883)**  
 Executive Engineer  
 Project Division  
 C.S.P.D.C.L., Raipur

**COST SCHEDULE -- DL - 8 for D-6 (3)**

1 KM OF 1 PHASE 3 WIRE LINE ON 140 KG. PCC POLE 8 MTR. LONG USING AB XLPE CABLE FOR RURAL AREAS WITH MAXIMUM SPAN 50 MTRS.

S. No.	PARTICULARS	Unit	Qty.	2016-17		2017-18	
				Rate	Amount	Rate	Amount
1	2	3	4	5	6	5	6
1	Survey	Km.	1				
2	Tree cutting	Km.	1		3200.76		3389.60
3	Approach Clearance	Km.	1				
4	Pit digging	No.	20	213.38	4267.68	225.97	4519.47
5	Shifting of materials to pole pits	No.	20	42.68	853.54	45.19	903.89
6	Stay Pit digging	No.	12	192.05	2304.55	203.38	2440.51
7	Transportation of pole from road side to pole pit for a lead of 1 Km.	No.	20	213.38	4267.68	225.97	4519.47
8	Fixing of LT clamps complete per location including Service ring, distribution box, piercing connector etc.	No.	20	53.35	1066.92	56.49	1129.87
9	Pole erection complete with earthing	No.	20	533.46	10669.20	564.93	11298.68
10	Concreting of stay and base pad for poles	Cmt.	3.37	602.77	2031.41	638.33	2151.27
11	Stay erection complete	No.	12	149.37	1792.42	158.18	1898.18
12	Painting of cross arm and numbering of poles.	No.	20	42.68	853.54	45.19	903.89
13	<b>TOTAL</b>				<b>31307.69</b>		<b>33154.84</b>
14	Stringing of line						
15	(ii) 1P 3W ( Cable )	Set.	1	6828.28	6828.28	7231.15	7231.15
	<b>TOTAL</b>				<b>38135.97</b>	0.00	<b>40385.99</b>
16	Transportation Charges		1				
	<b>GRAND TOTAL</b>				<b>38135.97</b>		<b>40385.99</b>
	<b>GRAND TOTAL (ROUND OFF)</b>				<b>38136</b>		<b>40386</b>

  
**M.D. Badgaiyan (93513880)**  
 Executive Engineer  
 Project Division  
 C.S.P.D.C.L., Raipur

**COST SCHEDULE -- DL - 9 for D-6 (4)**

1 KM OF 3 PHASE 4 WIRE LINE ON 140 KG. PCC POLE 8 MTR. LONG USING AB XLPE CABLE FOR PUMP CONNECTION UPTO 5 HP & 5 CONNECTION PER KM. WITH MAXIMUM SPAN 50 MTRS.

S. No.	PARTICULARS	Unit	Qty.	2016-17		2017-18	
				140 Kg, 8.0 Mtr. long PCC support		140 Kg, 8.0 Mtr. long PCC support	
				Rate	Amount	Rate	Amount
1	2	3	4	5	6	5	6
1	Survey	Km.	1				
2	Tree cutting	Km.	1		3200.76		3389.60
3	Approach Clearance	Km.	1				
4	Pit digging	No.	20	213.38	4267.68	225.97	4519.47
5	Shifting of materials to pole pits	No.	20	42.68	853.54	45.19	903.89
6	Stay Pit digging	No.	12	192.05	2304.55	203.38	2440.51
7	Transportation of pole from road side to pole pit for a lead of 1 Km.	No.	20	213.38	4267.68	225.97	4519.47
8	Fixing of LT clamps complete per Set including Service ring, Spring loaded distribution Box, piercing connector, etc.	Set.	5	219.22	1096.09	232.15	1160.76
9	Fixing of Piller Box (including Transportation) with concreting of columns and bottom area of Piller box	No.	1	3014.26	3014.26	3192.10	3192.10
10	Pole erection complete with earthing	No.	20	533.46	10669.20	564.93	11298.68
11	Concreting of stay and base pad for poles	Cmt.	3.37	602.77	2031.41	638.33	2151.27
12	Stay erection complete	No.	12	149.37	1792.42	158.18	1898.18
13	Painting of cross arm and numbering of poles.	No.	20	42.68	853.54	45.19	903.89
14	<b>TOTAL</b>				<b>34351.12</b>		<b>36377.84</b>
15	Stringing of line						
16	(ii) 3P 4W ( Cable )	Set.	1	9175.51	9175.51	9716.86	9716.86
	<b>TOTAL</b>				<b>43526.63</b>		<b>46094.70</b>
17	Transportation Charges		1				
	<b>GRAND TOTAL</b>				<b>43526.63</b>		<b>46094.70</b>
	<b>GRAND TOTAL (ROUND OFF)</b>				<b>43527</b>		<b>46095</b>



  
 M. D. Das  
 Executive Engineer  
 Project Division  
 C.S.P.D.C.L., Raipur

**LABOUR SCHEDULE DL-10, HVDS 200 KVA**  
**HVDS system of 200 kv Parent d Xmer Taking 4 km LT to be converted**

S. No.	Particulars	Unit	Qty.	2016-2017		2017-2018	
				Rate	Amount	Rate	Amount
1	Pit digging	Each	10	213.38	2133.84	225.97	2259.74
2	Stay Pit digging	Each	40	192.05	7681.82	203.38	8135.05
3	Shifting of materials to pole pits	Set	10	213.38	2133.84	225.97	2259.74
4	Transportation of pole from road side to pole pit	Each	10	266.73	2667.30	282.47	2824.67
5	DC Cross arm fixing complete including insulator	Each	10	320.08	3200.76	338.96	3389.60
6	Pole erection complete including earthing	Each	10	533.46	5334.60	564.93	5649.34
7	Concreting of stay and base pad for poles	Cmt.	8.92	602.77	5377.27	638.33	5694.53
8	Stay erection complete	Each	40	138.70	5547.98	146.88	5875.31
9	Fixing of LA Set (2 Nos.)	Set	10	106.69	1066.92	112.99	1129.87
10	Anti climbing devices and danger board fixing	Each	10	53.35	533.46	56.49	564.93
11	Painting of cross arm & numbering of poles.	Each	10	85.35	853.54	90.39	903.89
12	Painting of V cross arm, Top clamps & numbering of poles.	Each	65	53.34	3467.12	56.49	3671.68
13	Fixing of LT switch box & transformer wiring etc.	Job	10	160.04	1600.38	169.48	1694.80
14	Handling and installation of transformer on structure	Job	10	213.38	2133.84	225.97	2259.74
15	Fixing of D.O fuse complete with base channel	Set	10	106.69	1066.92	112.99	1129.87
16	Earthing of S/Is including pit digging laying and connecting wires to supports X-mer etc.	Set	10	746.84	7468.44	790.91	7909.07
17	Installation & commissioning of TPN switch & DT Meter	Job	10	704.17	7041.67	745.71	7457.13
18	Fixing of V cross arm with top clamp	Set	65	64.01	4160.71	67.79	4406.19
19	Insulator fixing with GI pin	Set	195	14.93	2912.09	15.81	3083.90
20	Shifting of material to pole side other than xmer location	Set	55	42.67	2346.84	45.19	2485.30
21	Earthing of Metals parts of pole	No	55	148.88	8188.61	157.67	8671.73
22	Stringing of 11 kv line	km	4	7041.64	28166.58	7457.10	29828.40
23	Dismantling of LT line (conductor and Bracket)	km	4	11702.32	46809.28	12392.76	49571.03
	<b>TOTAL</b>				<b>151893.79</b>		<b>160855.53</b>

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

R  
**M.D. Badgaiyan (93513883)**  
 Executive Engineer  
 Project Division  
 C.S.P.D.C.L., Raipur



**LABOUR SCHEDULE DL-11 , HVDS 100 KVA  
HVDS system of 100 KVA Parent D- Xmer Taking 3 km LT to be converted**

S. No.	Particulars	Unit	Qty.	2016-2017		2017-2018	
				Rate	Amount	Rate	Amount
1	Pit digging	Each	8	213.38	1707.07	225.97	1807.79
2	Stay Pit digging	Each	30	192.05	5761.37	203.38	6101.29
3	Shifting of materials to pole pits	Set	8	213.38	1707.07	225.97	1807.79
4	Transportation of pole from road side to pole pit	Each	8	266.73	2133.84	282.47	2259.74
5	DC Cross arm fixing complete including insulator	Each	8	320.08	2560.61	338.96	2711.68
6	Pole erection complete including earthing	Each	8	533.46	4267.68	564.93	4519.47
7	Concreting of stay and base pad for poles	Cmt.	6.71	602.77	4045.76	638.33	4284.46
8	Stay erection complete	Each	30	138.70	4160.99	146.88	4406.48
9	Fixing of LA Set (2 Nos.)	Set	8	106.69	853.54	112.99	903.89
10	Anti climbing devices and danger board fixing	Each	8	53.35	426.77	56.49	451.95
11	Painting of cross arm & numbering of poles.	Each	8	85.35	682.83	90.39	723.12
12	Painting of V cross arm, Top clamps & numbering of poles.	Each	45	53.34	2400.32	56.49	2541.93
13	Fixing of LT switch box & transformer wiring etc.	Job	8	160.04	1280.30	169.48	1355.84
14	Handling and installation of transformer on structure	Job	8	213.38	1707.07	225.97	1807.79
15	Fixing of D.O fuse complete with base channel	Set	8	106.69	853.54	112.99	903.89
16	Earthing of S/s including pit digging laying and connecting wires to supports X-mer etc.	Set	6	746.84	4481.06	790.91	4745.44
17	Installation & commissioning of TPN switch & DT Meter	Job	6	704.17	4225.00	745.71	4474.28
18	Fixing of V cross arm with top clamp	Set	45	64.01	2880.49	67.79	3050.44
19	Insulator fixing with GI pin	Set	135	14.93	2016.06	15.81	2135.01
20	Shifting of material to pole side other than xmer location	Set	37	42.67	1578.78	45.19	1671.93
21	Earthing of Metals parts of pole	No	37	148.88	5508.70	157.67	5833.71
22	Stringing of 11 kv line	km	3	7041.64	21124.93	7457.10	22371.30
23	Dismantling of LT line (conductor and Bracket)	km	3	11702.32	35106.96	12392.76	37178.27
	<b>TOTAL</b>				<b>111470.73</b>		<b>118047.50</b>

**Transportation Charges**

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

**LABOUR SCHEDULE DL-12, HVDS 63 KVA**  
**HVDS system of 63 KVA Parent D-Xmer Taking 2 km LT to be converted**

S. No.	Particulars	Unit	Qty.	2016-2017		2017-2018	
				Rate	Amount	Rate	Amount
1	Pit digging	Each	6	213.38	1280.30	225.97	1355.84
2	Stay Pit digging	Each	25	192.05	4801.14	203.38	5084.41
3	Shifting of materials to pole pits	Set	6	213.38	1280.30	225.97	1355.84
4	Transportation of pole from road side to pole pit	Each	6	266.73	1600.38	282.47	1694.80
5	DC Cross arm fixing complete including insulator	Each	6	320.08	1920.46	338.96	2033.76
6	Pole erection complete including earthing	Each	6	533.46	3200.76	564.93	3389.60
7	Concreting of stay and base pad for poles	Cmt.	5.55	602.77	3345.86	638.33	3543.27
8	Stay erection complete	Each	25	138.70	3467.49	146.88	3672.07
9	Fixing of LA Set (2 Nos.)	Set	6	106.69	640.15	112.99	677.92
10	Anti climbing devices and danger board fixing	Each	6	53.35	320.08	56.49	338.96
11	Painting of cross arm & numbering of poles.	Each	6	85.35	512.12	90.39	542.34
12	Painting of V cross arm, Top clamps & numbering of poles.	Each	45	53.34	2400.32	56.49	2541.93
13	Fixing of LT switch box & transformer wiring etc.	Job	6	160.04	960.23	169.48	1016.88
14	Handling and installation of transformer on structure	Job	6	213.38	1280.30	225.97	1355.84
15	Fixing of D.O fuse complete with base channel	Set	6	106.69	640.15	112.99	677.92
16	Earthing of S/s including pit digging laying and connecting wires to supports X-mer etc.	Set	4	746.84	2987.37	790.91	3163.63
17	Installation & commissioning of TPN switch & DT Meter	Job	4	704.17	2816.67	745.71	2982.85
18	Fixing of V cross arm with top clamp	Set	45	64.01	2880.49	67.79	3050.44
19	Insulator fixing with GI pin	Set	195	14.93	2912.09	15.81	3083.90
20	Shifting of material to pole side other than xmer location	Set	39	42.67	1664.12	45.19	1762.30
21	Earthing of Metals parts of pole	No	39	148.88	5806.47	157.67	6149.05
22	Stringing of 11 kv line	km	2	7041.64	14083.29	7457.10	14914.20
23	Dismantling of LT line (conductor and Bracket)	km	2	11702.32	23404.64	12392.76	24785.52
	<b>TOTAL</b>				<b>84205.17</b>		<b>89173.28</b>

The rates are proposed for normal soil conditions. In case of soft rock & hard rock, the rates of pit digging will be taken as two times and ten times respectively as compared to the rates applicable for normal soil.

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