



Southern Power Distribution Company of Andhra Pradesh Limited

Eastern Power Distribution Company of Andhra Pradesh Limited

# Vol-1 (PART – 1)

Common SSR for labour  
for Distribution Network  
for the year  
**2019-20**

(Effective from - -2019 until - -2020)

Prepared by SSR and Cost data committee consisting members of  
APTRANSCO, APSPDCL and APEPDCL

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# 1 Loading and Unloading charges

SL NO	Description of material		Unit weight in Kg	SAP Code	Loading	SAP Code	Un-Loading
<b>1.1</b>	<b>PSCC Poles</b>						
<b>1.1.1</b>	8m/140 KG PSCC Pole	EA	355	CLD00001	<b>89.00</b>	CUD00001	<b>44.50</b>
<b>1.1.2</b>	8m/200 KG PSCC Pole	EA	380	CLD00002	<b>95.00</b>	CUD00002	<b>47.50</b>
<b>1.1.3</b>	8m/300 KG PSCC Pole	EA	505	CLD00003	<b>126.00</b>	CUD00003	<b>63.00</b>
<b>1.1.4</b>	9.1m/280 KG PSCC Pole	EA	680	CLD00004	<b>176.00</b>	CUD00004	<b>88.00</b>
<b>1.1.5</b>	11m/365 KG PSCC Pole	EA	1127	CLD00005	<b>303.00</b>	CUD00005	<b>151.50</b>
<b>1.2</b>	<b>Spun poles</b>						
<b>1.2.1</b>	9.5m/300 KG Spun pole	EA	620	CLD00006	<b>210.00</b>	CUD00006	<b>147.00</b>
<b>1.2.2</b>	11m/350KG Spun pole	EA	900	CLD00007	<b>314.00</b>	CUD00007	<b>219.80</b>
<b>1.2.3</b>	12.5m/350 KG Spun pole	EA	1200	CLD00008	<b>430.00</b>	CUD00008	<b>301.00</b>
<b>1.3</b>	<b>RS Joists</b>						
<b>1.3.1</b>	9m - 150x75 RS Joist pole	EA	140	CLD00009	<b>34.00</b>	CUD00009	<b>17.00</b>
<b>1.3.2</b>	9m- 175 x85 RS Joist Pole	EA	215	CLD00010	<b>52.00</b>	CUD00010	<b>26.00</b>
<b>1.3.3</b>	9m - 150x150 RS Joist Pole (34.6Kg/m)	EA	311.4	CLD00011	<b>75.00</b>	CUD00011	<b>37.50</b>
<b>1.3.4</b>	11m- 175 x85 RS Joist Pole (19.3Kg/m)	EA	212.3	CLD00012	<b>57.00</b>	CUD00012	<b>28.50</b>
<b>1.3.5</b>	11m - 150x150 RS Joist Pole (34.6Kg/m)	EA	380.6	CLD00013	<b>103.00</b>	CUD00013	<b>51.50</b>
<b>1.4</b>	<b>Rail poles</b>						
<b>1.4.1</b>	8.23m - 60lbs/27.3 Kg Rail pole	EA	225	CLD00014	<b>47.00</b>	CUD00014	<b>23.50</b>
<b>1.4.2</b>	9.14m - 75lbs/34.1 Kg Rail pole	EA	312	CLD00015	<b>69.00</b>	CUD00015	<b>34.50</b>
<b>1.4.3</b>	9.14m - 90lbs/40.9Kg Rail pole	EA	374	CLD00016	<b>82.00</b>	CUD00016	<b>41.00</b>
<b>1.4.4</b>	9.14m - 105lbs/47.7Kg Rail pole	EA	436	CLD00017	<b>96.00</b>	CUD00017	<b>48.00</b>
<b>1.5</b>	<b>Distribution Transformers</b>						
<b>1.5.1</b>	1Ph 5 KVA DTR	EA	75	CLD00018	<b>20.00</b>	CUD00018	<b>20.00</b>
<b>1.5.2</b>	1Ph 10KVA DTR	EA	115	CLD00019	<b>30.00</b>	CUD00019	<b>30.00</b>
<b>1.5.3</b>	1Ph 15/16KVA DTR	EA	190	CLD00020	<b>50.00</b>	CUD00020	<b>50.00</b>
<b>1.5.4</b>	1Ph 25KVA DTR	EA	245	CLD00021	<b>64.00</b>	CUD00021	<b>64.00</b>
<b>1.5.5</b>	3Ph 15/16KVA DTR	EA	280	CLD00022	<b>73.00</b>	CUD00022	<b>73.00</b>

<b>1.5.6</b>	3Ph 25KVA DTR	EA	350	CLD00023	<b>91.00</b>	CUD00023	<b>91.00</b>
<b>1.5.7</b>	3Ph 40 KVA DTR	EA	455	CLD00024	<b>118.00</b>	CUD00024	<b>118.00</b>
<b>1.5.8</b>	3Ph 50 KVA DTR	EA	510	CLD00025	<b>132.00</b>	CUD00025	<b>132.00</b>
<b>1.5.9</b>	3Ph 63 KVA DTR	EA	690	CLD00026	<b>179.00</b>	CUD00026	<b>179.00</b>
<b>1.5.10</b>	3Ph 75 KVA DTR	EA	730	CLD00027	<b>189.00</b>	CUD00027	<b>189.00</b>
<b>1.5.11</b>	3Ph 100 KVA DTR	EA	730	CLD00028	<b>189.00</b>	CUD00028	<b>189.00</b>
<b>1.5.12</b>	Amorphous make 100KVA DTRs	EA	900	CLD00029	<b>233.00</b>	CUD00029	<b>233.00</b>
<b>1.5.13</b>	3Ph 160KVA DTR	EA	1200	CLD00030	<b>335.00</b>	CUD00030	<b>335.00</b>
<b>1.5.14</b>	3Ph 250 KVA DTR	EA	1700	CLD00031	<b>474.00</b>	CUD00031	<b>474.00</b>
<b>1.5.15</b>	3Ph 315 KVA DTR	EA	2340	CLD00032	<b>652.00</b>	CUD00032	<b>652.00</b>
<b>1.5.16</b>	3Ph 500 KVA DTR	EA	2750	CLD00033	<b>766.00</b>	CUD00033	<b>766.00</b>
<b>1.6</b>	<b>Power Transformers</b>						
<b>1.6.1</b>	3.15 MVA PTR	EA	10350	CLD00034	<b>3500.00</b>	CUD00034	<b>3500.00</b>
<b>1.6.2</b>	5.0 MVA PTR	EA	16000	CLD00035	<b>5410.00</b>	CUD00035	<b>5410.00</b>
<b>1.6.3</b>	8.0 MVA PTR	EA	18500	CLD00036	<b>6991.00</b>	CUD00036	<b>6991.00</b>
<b>1.6.4</b>	10.0 MVA PTR	EA	22500	CLD00037	<b>8502.00</b>	CUD00037	<b>8502.00</b>
<b>1.6.5</b>	12.5 MVA PTR	EA	25000	CLD00038	<b>9447.00</b>	CUD00038	<b>9447.00</b>
<b>1.7</b>	<b>Isolators</b>						
<b>1.7.1</b>	33 KV AB switch	EA	224	CLD00039	<b>83.00</b>	CUD00039	<b>83.00</b>
<b>1.7.2</b>	11 KV AB switch	EA	70	CLD00040	<b>26.00</b>	CUD00040	<b>26.00</b>
<b>1.7.3</b>	11 KV H.G. Fuse set	EA	30	CLD00041	<b>12.00</b>	CUD00041	<b>12.00</b>
<b>1.7.4</b>	L.T. H.G. Fuse set	EA	25	CLD00042	<b>10.00</b>	CUD00042	<b>10.00</b>
<b>1.8</b>	<b>EQUIPMENT</b>						
<b>1.8.1</b>	33 KV VCB alone	SET	910	CLD00043	<b>724.00</b>	CUD00043	<b>724.00</b>
<b>1.8.2</b>	11 KV VCB alone	SET	730	CLD00044	<b>581.00</b>	CUD00044	<b>581.00</b>
<b>1.8.3</b>	33KV or 11 KV control panels	EA	225	CLD00045	<b>179.00</b>	CUD00045	<b>179.00</b>
<b>1.8.4</b>	33KV HV/LV twin feeder panel	EA	600	CLD00046	<b>358.00</b>	CUD00046	<b>358.00</b>
<b>1.8.5</b>	11 KV Metering cubicle	SET	170	CLD00047	<b>136.00</b>	CUD00047	<b>136.00</b>
<b>1.8.6</b>	33KV PT or CT	EA	110	CLD00048	<b>88.00</b>	CUD00048	<b>88.00</b>
<b>1.8.7</b>	11KV PT or CT	EA	65	CLD00049	<b>52.00</b>	CUD00049	<b>52.00</b>
<b>1.8.8</b>	Batteries	EA	27	CLD00050	<b>14.00</b>	CUD00050	<b>14.00</b>
<b>1.8.9</b>	Charger with batteries	EA	45	CLD00051	<b>23.00</b>	CUD00051	<b>23.00</b>
<b>1.9</b>	<b>Iron Materials</b>						
<b>1.9.1</b>	Iron and steel materials	TON	1000	CLD00052	<b>259.00</b>	CUD00052	<b>259.00</b>
<b>1.9.2</b>	HT, Mild steel wire	TON	1000	CLD00053	<b>259.00</b>	CUD00053	<b>259.00</b>
<b>1.9.3</b>	Stay wire, GI wire	TON	1000	CLD00054	<b>259.00</b>	CUD00054	<b>259.00</b>
<b>1.9.4</b>	D.P. structural materials	SET	480	CLD00055	<b>96.00</b>	CUD00055	<b>96.00</b>

<b>1.9.5</b>	40 KVA DTR mounting arrangements	EA	45	CLD00056	<b>12.60</b>	CUD00056	<b>12.60</b>
<b>1.9.6</b>	Seating arrangements of 3ph 16/25KVA DTRs	EA	40	CLD00057	<b>12.00</b>	CUD00057	<b>12.00</b>
<b>1.9.7</b>	33 KV ' V ' cross arms	EA	22.5	CLD00058	<b>6.30</b>	CUD00058	<b>6.30</b>
<b>1.9.8</b>	11 KV ' V ' cross arms	EA	11	CLD00059	<b>3.10</b>	CUD00059	<b>3.10</b>
<b>1.9.9</b>	Three phase cross arms	EA	8.8	CLD00060	<b>2.30</b>	CUD00060	<b>2.30</b>
<b>1.9.10</b>	Single phase cross arms	EA	5.5	CLD00061	<b>1.50</b>	CUD00061	<b>1.50</b>
<b>1.9.11</b>	33 KV Top Fittings	EA	7	CLD00062	<b>1.90</b>	CUD00062	<b>1.90</b>
<b>1.9.12</b>	11 KV Top Fittings	EA	4.4	CLD00063	<b>1.20</b>	CUD00063	<b>1.20</b>
<b>1.9.13</b>	L.T Top Fittings	EA	3.5	CLD00064	<b>1.00</b>	CUD00064	<b>1.00</b>
<b>1.9.14</b>	Back clamps	EA	1.2	CLD00065	<b>0.40</b>	CUD00065	<b>0.40</b>
<b>1.9.15</b>	Stay clamps set	SET	1.5	CLD00066	<b>0.40</b>	CUD00066	<b>0.40</b>
<b>1.9.16</b>	Stay set	SET	7.8	CLD00067	<b>2.10</b>	CUD00067	<b>2.10</b>
<b>1.9.17</b>	G.I. Earth pipes	EA	6.4	CLD00068	<b>1.70</b>	CUD00068	<b>1.70</b>
<b>1.9.18</b>	C.I. Earth pipes	EA	35	CLD00069	<b>9.10</b>	CUD00069	<b>9.10</b>
<b>1.9.19</b>	'A' Type Distribution Box	EA	55	CLD00070	<b>14.30</b>	CUD00070	<b>14.30</b>
<b>1.9.20</b>	'B' type distribution box	SET	20	CLD00071	<b>5.20</b>	CUD00071	<b>5.20</b>
<b>1.9.21</b>	M.S/GI Bolts & Nuts	KG	1	CLD00072	<b>0.30</b>	CUD00072	<b>0.30</b>
	<b>INSULATORS &amp; PINS</b>						
<b>1.10</b>	<b>33KV - Insulators &amp; Pins</b>						
<b>1.10.1</b>	33 KV Post type Insulators-2 piece type	EA	6.2	CLD00073	<b>3.70</b>	CUD00073	<b>3.70</b>
<b>1.10.2</b>	33 KV Post type Insulators-Single piece solid core type	EA	10	CLD00074	<b>6.00</b>	CUD00074	<b>6.00</b>
<b>1.10.3</b>	33 KV Pin Insulators	EA	2.7	CLD00075	<b>1.70</b>	CUD00075	<b>1.70</b>
<b>1.10.4</b>	33 KV G.I. Pins	EA	2.3	CLD00076	<b>1.10</b>	CUD00076	<b>1.10</b>
<b>1.10.5</b>	33 KV Polymer disc	EA	1.25	CLD00077	<b>0.60</b>	CUD00077	<b>0.60</b>
<b>1.10.6</b>	33 KV LAS	EA	19.6	CLD00078	<b>15.60</b>	CUD00078	<b>15.60</b>
<b>1.11</b>	<b>11KV - Insulators &amp; Pins</b>						
<b>1.11.1</b>	11 KV Post type Insulators	EA	5.6	CLD00079	<b>3.40</b>	CUD00079	<b>3.40</b>
<b>1.11.2</b>	11 KV Pin Insulators	EA	1.1	CLD00080	<b>0.70</b>	CUD00080	<b>0.70</b>
<b>1.11.3</b>	11 KV GI Pins	EA	0.9	CLD00081	<b>0.40</b>	CUD00081	<b>0.40</b>
<b>1.11.4</b>	11 KV Disc Insulators	EA	1.4	CLD00082	<b>0.90</b>	CUD00082	<b>0.90</b>
<b>1.11.5</b>	11 KV Polymer disc	EA	0.7	CLD00083	<b>0.40</b>	CUD00083	<b>0.40</b>
<b>1.11.6</b>	11 KV/33KV Metal parts	SET	1.95	CLD00084	<b>0.90</b>	CUD00084	<b>0.90</b>
<b>1.11.7</b>	H.T. Guy Insulators	EA	1.15	CLD00085	<b>0.70</b>	CUD00085	<b>0.70</b>
<b>1.12</b>	<b>11 KV LAS</b>						
<b>1.12.1</b>	11 KV LAS(Station Type)	EA	9.6	CLD00086	<b>7.70</b>	CUD00086	<b>7.70</b>
<b>1.12.2</b>	11 KV LAS(Line Type)	EA	6.6	CLD00087	<b>5.30</b>	CUD00087	<b>5.30</b>
<b>1.13</b>	<b>LT- Insulators &amp; Pins</b>						

<b>1.13.1</b>	L.T. Pin Insulators	EA	0.5	CLD00088	<b>0.30</b>	CUD00088	<b>0.30</b>
<b>1.13.2</b>	L.T.G.I. Pins	SET	0.5	CLD00089	<b>0.30</b>	CUD00089	<b>0.30</b>
<b>1.13.3</b>	L.T. Shackles	EA	0.5	CLD00090	<b>0.30</b>	CUD00090	<b>0.30</b>
<b>1.13.4</b>	L.T. metal parts	SET	0.5	CLD00091	<b>0.30</b>	CUD00091	<b>0.30</b>
<b>1.13.5</b>	L.T. Guy Insulators	EA	0.5	CLD00092	<b>0.30</b>	CUD00092	<b>0.30</b>
<b>1.14</b>	<b>CONDUCTOR/ CABLE</b>						
<b>1.14.1</b>	Conductor Drum(All)	EA	900	CLD00093	<b>179.00</b>	CUD00093	<b>89.50</b>
<b>1.14.2</b>	PVC Cable(>25 up to 185sq.mm) Drum	EA	1000	CLD00094	<b>199.00</b>	CUD00094	<b>199.00</b>
<b>1.14.3</b>	PVC Cable up to and 10 Sq. Mm Drum	EA	734	CLD00095	<b>146.00</b>	CUD00095	<b>146.00</b>
<b>1.14.4</b>	33KV Cable XLPE Drum- 35/50,70,95,120,185,300 ,400 Sqmm & LT UV XLPE cable 300 Sqmm	DRUM	3000	CLD00096	<b>597.00</b>	CUD00096	<b>597.00</b>
<b>1.14.5</b>	11KV Cable XLPE Drum 35/50,70,95,120,185,300 Sqmm	DRUM	2000	CLD00097	<b>398.00</b>	CUD00097	<b>398.00</b>
<b>1.15</b>	<b>GENERAL ITEMS</b>						
<b>1.15.1</b>	Transformer oil drums with oil	EA	193	CLD00098	<b>50.00</b>	CUD00098	<b>50.00</b>
<b>1.15.2</b>	Empty oil drums	EA	22	CLD00099	<b>4.40</b>	CUD00099	<b>4.40</b>
<b>1.15.3</b>	C.T. Meter box with complete assembly	EA	15	CLD00100	<b>15.00</b>	CUD00100	<b>15.00</b>
<b>1.15.4</b>	3Ph/CT Meter Boxes	EA	10	CLD00101	<b>6.00</b>	CUD00101	<b>6.00</b>
<b>1.15.5</b>	3Ph Meters	EA	2.5	CLD00102	<b>2.50</b>	CUD00102	<b>2.50</b>
<b>1.15.6</b>	1Ph Meters	EA	1.2	CLD00103	<b>1.20</b>	CUD00103	<b>1.20</b>
<b>1.15.7</b>	Fuse units 16 A to 32 A	EA	0.4	CLD00104	<b>0.30</b>	CUD00104	<b>0.30</b>
<b>1.15.8</b>	Fuse units 63 A / 100 A	EA	0.75	CLD00105	<b>0.50</b>	CUD00105	<b>0.50</b>
<b>1.15.9</b>	Fuse units 200 A, 300 A	EA	1	CLD00106	<b>0.60</b>	CUD00106	<b>0.60</b>
<b>1.15.10</b>	100 Lugs	CAR-100 lugs	1.6	CLD00107	<b>1.30</b>	CUD00107	<b>1.30</b>
<b>1.15.11</b>	11KV Fixed/ Moving contacts	EA	1.2	CLD00108	<b>0.80</b>	CUD00108	<b>0.80</b>
<b>1.15.12</b>	33KV Fixed/ Moving contacts	EA	2.5	CLD00109	<b>1.50</b>	CUD00109	<b>1.50</b>
<b>1.15.13</b>	11KV Cable Jointing kits	EA	2	CLD00110	<b>1.60</b>	CUD00110	<b>1.60</b>
<b>1.15.14</b>	33KV Cable Jointing kits	EA	3.5	CLD00111	<b>2.80</b>	CUD00111	<b>2.80</b>
<b>1.15.15</b>	Street light fixture	SET	12.5	CLD00112	<b>7.50</b>	CUD00112	<b>7.50</b>
<b>1.15.16</b>	Fuse wire/MRT Materials	KG	1	CLD00113	<b>0.60</b>	CUD00113	<b>0.60</b>
<b>1.15.17</b>	Winding wire up to 5 Kg	ROL	5	CLD00114	<b>3.00</b>	CUD00114	<b>3.00</b>

<b>1.15.18</b>	Winding wire more than 5 Kg	ROL	15	CLD00115	<b>9.00</b>	CUD00115	<b>9.00</b>
<b>1.16</b>	<b>Paints</b>						
<b>1.16.1</b>	Paints up to & including 5 Lts	EA	5	CLD00116	<b>1.60</b>	CUD00116	<b>1.60</b>
<b>1.16.2</b>	Paints >5 Lts<=20 Lts	EA	20	CLD00117	<b>6.60</b>	CUD00117	<b>6.60</b>
<b>1.16.3</b>	Cement	TO	1000	CLD00118	<b>199.00</b>	CUD00118	<b>199.00</b>
<b>1.17</b>	<b>Loading and unloading of any other materials</b>						
<b>1.17.1</b>	Indoor Items up to 10 Kgs	BAG	10	CLD00119	<b>2.00</b>	CUD00119	<b>2.00</b>
<b>1.17.2</b>	Indoor Items > 10 Kgs	BAG	25	CLD00120	<b>5.00</b>	CUD00120	<b>5.00</b>
<b>1.18</b>	<b>SCRAP</b>						
<b>1.18.1</b>	Al./Cu/Plastic Scrap	TO	1000	CLD00121	<b>339.00</b>	CUD00121	<b>339.00</b>
<b>1.18.2</b>	Meters Scrap W/weightment	TO	1000	CLD00122	<b>339.00</b>	CUD00122	<b>339.00</b>
<b>1.18.3</b>	MS/Lead Scrap W/weightment	TO	1000	CLD00123	<b>339.00</b>	CUD00123	<b>339.00</b>

<b>1.19</b>	<b>Un coiling of conductor/ cables including weightment and loading</b>			
		<b>Rate per</b>	<b>SAP Code</b>	<b>Rate</b>
<b>1.19.1</b>	34sqmm conductor	KM	CSR00001	70.00
<b>1.19.2</b>	55sqmm conductor	KM	CSR00002	84.00
<b>1.19.3</b>	100sqmm conductor	KM	CSR00003	105.00
<b>1.19.4</b>	200sqmm /Panther conductor- 100RM	EA	CSR00004	56.00
<b>1.19.5</b>	Single Core 120/95/70 Sqmm LT X-PLE cables	1RM	CSR00005	0.50
<b>1.19.6</b>	3 1/2 Core 120/95/70/50 Sqmm LT X-PLE cables	1RM	CSR00006	0.90
<b>1.19.7</b>	Coils 50 / 25 Sqmm	1RM	CSR00007	0.20
<b>1.19.8</b>	Coils 10 / 6 / 4.25 / 1.5 Sqmm	1RM	CSR00008	0.11
<b>1.19.9</b>	Unwinding including loading 11KV Cable XLPE 35, 50, 70, 95, 120,185,300 Sqmm & LT UV XLPE cable 300 Sqmm	Meter	CSR00009	4.20
<b>1.19.10</b>	Unwinding including loading 33KV Cable XLPE 35, 50, 70, 95, 120,185,300,400 Sqmm	Meter	CSR00010	8.40



<b>1.19.11</b>	Un Winding , Weighing and Shifting of 3CX16+25 AB Cable (Check Measurement)	KM	CSR00011	84.00
<b>1.19.12</b>	Un Winding , Weighing and Shifting of 2CX16+25 AB Cable (Check Measurement)	KM	CSR00012	84.00
<b>2</b>	<b>Survey of HT/LT lines</b>			
2.1	Labour charges for survey and pit marking of HT/LT lines in plain areas	KM	CSR00013	416.00
2.2	Labour charges for survey and pit marking of HT/LT lines in Agency and Hilly areas.	KM	CSR00014	578.00
<b>3</b>	<b>Jungle clearance</b>			
3.1	Clearing of heavy jungle	10 sqm	CSR00015	32
3.2	Cutting and removing other kind of trees	1 No	CSR00016	33
3.3	General Tree cutting per one day - Semi skilled labour	1no	CSR00017	460
<b>4</b>	<b>Excavation of pole pits</b>			
<b>4.1</b>	Excavation of pits in <u>all soils</u> , i.e, mixture of gravel and soft disintegrated rock like shales ordinary gravel, stony earth and earth mixed with fair sized boulders.			
<b>4.1.1</b>	For 8m or 9.1m PSCC/RS Joist Poles ( Size of pit is 2'x2'x5' or 0.6mx0.6mx1.5m)	Pit	CSR00018	<b>166.00</b>
<b>4.1.2</b>	For 10m Joists/Rail Poles ( Size of pit is 2'x2'x5'6" or 0.6mx0.6mx1.65m)	Pit	CSR00019	<b>182.00</b>
<b>4.1.3</b>	For 9.5m Spun or 11m Spun/Joist /PSCC Poles (2'6"x2'6"x6' or 0.75mx0.75mx1.8m)	Pit	CSR00020	<b>310.00</b>
<b>4.1.4</b>	For 12.5m Spun/Joist Poles (2'6"x2'6"x7' or 0.75mx0.75mx2.1m)	Pit	CSR00021	<b>362.00</b>
<b>4.2</b>	Excavation of pits <u>in soft disintegrated rock removable by pick axes</u> and disposing material to a lead of 10m and lift of 3m.			
<b>4.2.1</b>	For 8m or 9.1m PSCC/RS Joist Poles ( Size of pit is 2'x2'x5' or 0.6mx0.6mx1.5m)	Pit	CSR00022	<b>236.00</b>

<b>4.2.2</b>	For 10m Joists/Rail Poles ( Size of pit is 2'x2'x5'6" or 0.6mx0.6mx1.65m)	Pit	CSR00023	<b>260.00</b>
<b>4.2.3</b>	For 9.5m Spun or 11m Spun/Joist /PSCC Poles (2'6"x2'6"x6' or 0.75mx0.75mx1.8m)	Pit	CSR00024	<b>443.00</b>
<b>4.2.4</b>	For 12.5m Spun/Joist Poles (2'6"x2'6"x7' or 0.75mx0.75mx2.1m)	Pit	CSR00025	<b>516.00</b>
<b>4.3</b>	<b>Excavation of pole pits in hard rock by blasting.</b>			
<b>4.3.1</b>	For 8m or 9.1m PSCC/RS Joist Poles ( Size of pit is 2'x2'x5' or 0.6mx0.6mx1.5m)	Pit	CSR00026	<b>610.00</b>
<b>4.3.2</b>	For 10m Joists/Rail Poles ( Size of pit is 2'x2'x5'6" or 0.6mx0.6mx1.65m)	Pit	CSR00027	<b>671.00</b>
<b>4.3.3</b>	For 9.5m Spun or 11m Spun/Joist /PSCC Poles (2'6"x2'6"x6' or 0.75mx0.75mx1.8m)	Pit	CSR00028	<b>1144.00</b>
<b>4.3.4</b>	For 12.5m Spun/Joist Poles (2'6"x2'6"x7' or 0.75mx0.75mx2.1m)	Pit	CSR00029	<b>1335.00</b>
<b>4.4</b>	<b>Excavation of pole pits for all sizes in cement roads( Shall be certified by Deputy Executive Engineer)</b>	Pit	CSR00030	<b>1000</b>
<b>5</b>	<b>Transport of one Pole from road side to pit location including loading and unloading (For 1Km, 2Km, 3Km, 4Km and 5 KM)</b>			
<b>5.1</b>	<b>Transport of PSCC poles</b>	Unit		Rate
	<b>Up to 1 Km</b>			
5.1.1	8m/140 KG PSCC Pole	EA	CSR00031	317
5.1.2	8m/200 KG PSCC Pole	EA	CSR00032	355
5.1.3	8m/300 KG PSCC Pole	EA	CSR00033	370

5.1.4	9.1m/280 KG PSCC Pole	EA	CSR00034	467
5.1.5	11m/365 KG PSCC Pole	EA	CSR00035	633
	<b>Up to 2 Km</b>			
5.1.6	8m/140 KG PSCC Pole	EA	CSR00036	356
5.1.7	8m/200 KG PSCC Pole	EA	CSR00037	398
5.1.8	8m/300 KG PSCC Pole	EA	CSR00038	415
5.1.9	9.1m/280 KG PSCC Pole	EA	CSR00039	524
5.1.10	11m/365 KG PSCC Pole	EA	CSR00040	709
	<b>Up to 3 Km</b>			
5.1.11	8m/140 KG PSCC Pole	EA	CSR00041	394
5.1.12	8m/200 KG PSCC Pole	EA	CSR00042	441
5.1.13	8m/300 KG PSCC Pole	EA	CSR00043	459
5.1.14	9.1m/280 KG PSCC Pole	EA	CSR00044	580
5.1.15	11m/365 KG PSCC Pole	EA	CSR00045	785
	<b>Up to 4 Km</b>			
5.1.16	8m/140 KG PSCC Pole	EA	CSR00046	432
5.1.17	8m/200 KG PSCC Pole	EA	CSR00047	483
5.1.18	8m/300 KG PSCC Pole	EA	CSR00048	504
5.1.19	9.1m/280 KG PSCC Pole	EA	CSR00049	636
5.1.20	11m/365 KG PSCC Pole	EA	CSR00050	861
	<b>Up to 5 Km</b>			
5.1.21	8m/140 KG PSCC Pole	EA	CSR00051	470
5.1.22	8m/200 KG PSCC Pole	EA	CSR00052	526
5.1.23	8m/300 KG PSCC Pole	EA	CSR00053	548
5.1.24	9.1m/280 KG PSCC Pole	EA	CSR00054	692
5.1.25	11m/365 KG PSCC Pole	EA	CSR00055	937
<b>5.2</b>	<b>Transport of Spun Poles</b>			
	<b>Up to 1 Km</b>			
5.2.1	9.5m/300 KG Spun pole	EA	CSR00056	726
5.2.2	11m/350KG Spun pole	EA	CSR00057	847
5.2.3	12.5m/350 KG Spun pole	EA	CSR00058	924
	<b>Up to 2 Km</b>			
5.2.4	9.5m/300 KG Spun pole	EA	CSR00059	814
5.2.5	11m/350KG Spun pole	EA	CSR00060	949
5.2.6	12.5m/350 KG Spun pole	EA	CSR00061	1035
	<b>Up to 3 Km</b>			
5.2.7	9.5m/300 KG Spun pole	EA	CSR00062	901
5.2.8	11m/350KG Spun pole	EA	CSR00063	1051
5.2.9	12.5m/350 KG Spun pole	EA	CSR00064	1146
	<b>Up to 4 Km</b>			
5.2.10	9.5m/300 KG Spun pole	EA	CSR00065	988
5.2.11	11m/350KG Spun pole	EA	CSR00066	1152
5.2.12	12.5m/350 KG Spun pole	EA	CSR00067	1257
	<b>Up to 5 Km</b>			

5.2.13	9.5m/300 KG Spun pole	EA	CSR00068	1075
5.2.14	11m/350KG Spun pole	EA	CSR00069	1254
5.2.15	12.5m/350 KG Spun pole	EA	CSR00070	1368
<b>5.3</b>	<b>Transport of RS Joist poles</b>	Unit		
	<b>Up to 1 Km</b>			
5.3.1	9m - 150x75 RS Joist pole	EA	CSR00071	317
5.3.2	9m- 175 x85 RS Joist Pole	EA	CSR00072	370
5.3.3	9m - 150x150 RS Joist Pole	EA	CSR00073	443
	<b>Up to 2 Km</b>			
5.3.4	9m - 150x75 RS Joist pole	EA	CSR00074	356
5.3.5	9m- 175 x85 RS Joist Pole	EA	CSR00075	415
5.3.6	9m - 150x150 RS Joist Pole	EA	CSR00076	497
	<b>Up to 3 Km</b>			
5.3.7	9m - 150x75 RS Joist pole	EA	CSR00077	394
5.3.8	9m- 175 x85 RS Joist Pole	EA	CSR00078	459
5.3.9	9m - 150x150 RS Joist Pole	EA	CSR00079	550
	<b>Up to 4 Km</b>			
5.3.10	9m - 150x75 RS Joist pole	EA	CSR00080	432
5.3.11	9m- 175 x85 RS Joist Pole	EA	CSR00081	504
5.3.12	9m - 150x150 RS Joist Pole	EA	CSR00082	603
	<b>Up to 5 Km</b>			
5.3.13	9m - 150x75 RS Joist pole	EA	CSR00083	470
5.3.14	9m- 175 x85 RS Joist Pole	EA	CSR00084	548
5.3.15	9m - 150x150 RS Joist Pole	EA	CSR00085	656
<b>5.4</b>	<b>Transport of Rail poles</b>	Unit		
	<b>Up to 1 Km</b>			
5.4.1	8.23m - 60lbs/27.3 Kg Rail pole	EA	CSR00086	355
5.4.2	9.14m - 75lbs/34.1 Kg Rail pole	EA	CSR00087	467
5.4.3	9.14m - 90lbs/40.9Kg Rail pole	EA	CSR00088	493
5.4.4	9.14m - 105lbs/47.7Kg Rail pole	EA	CSR00089	522
	<b>Up to 2 Km</b>			
5.4.5	8.23m - 60lbs/27.3 Kg Rail pole	EA	CSR00090	398
5.4.6	9.14m - 75lbs/34.1 Kg Rail pole	EA	CSR00091	524
5.4.7	9.14m - 90lbs/40.9Kg Rail pole	EA	CSR00092	553
5.4.8	9.14m - 105lbs/47.7Kg Rail pole	EA	CSR00093	585
	<b>Up to 3 Km</b>			
5.4.9	8.23m - 60lbs/27.3 Kg Rail pole	EA	CSR00094	441
5.4.10	9.14m - 75lbs/34.1 Kg Rail pole	EA	CSR00095	580
5.4.11	9.14m - 90lbs/40.9Kg Rail pole	EA	CSR00096	612
5.4.12	9.14m - 105lbs/47.7Kg Rail pole	EA	CSR00097	648
	<b>Up to 4 Km</b>			
5.4.13	8.23m - 60lbs/27.3 Kg Rail pole	EA	CSR00098	483
5.4.14	9.14m - 75lbs/34.1 Kg Rail pole	EA	CSR00099	636

5.4.15	9.14m - 90lbs/40.9Kg Rail pole	EA	CSR00100	671
5.4.16	9.14m - 105lbs/47.7Kg Rail pole	EA	CSR00101	710
	<b>Up to 5 Km</b>			
5.4.17	8.23m - 60lbs/27.3 Kg Rail pole	EA	CSR00102	526
5.4.18	9.14m - 75lbs/34.1 Kg Rail pole	EA	CSR00103	692
5.4.19	9.14m - 90lbs/40.9Kg Rail pole	EA	CSR00104	730
5.4.20	9.14m - 105lbs/47.7Kg Rail pole	EA	CSR00105	773
<b>6</b>	<b>Erection of PSCC/Spun/Rail/RS Joist Poles</b>			
	Erection of PSCC/Spun/Rail/RS Joist Poles in position, aligning and setting to work as per specification including supply of labour, T&P, back filling the earth, ramming for consolidation but excluding the cost of pit excavation and cost of transport.			
<b>6.1</b>	<b>Erection of PSCC poles</b>	Unit		
6.1.1	8m/140 KG PSCC Pole	EA	CSR00106	430
6.1.2	8m/200 KG PSCC Pole	EA	CSR00107	447
6.1.3	8m/300 KG PSCC Pole	EA	CSR00108	574
6.1.4	9.1m/280 KG PSCC Pole	EA	CSR00109	727
6.1.5	11m/365 KG PSCC Pole	EA	CSR00110	1338
<b>6.2</b>	<b>Erection of Spun Poles</b>			
6.2.1	9.5m/300 KG Spun pole	EA	CSR00111	1459
6.2.2	11m/350KG Spun pole	EA	CSR00112	1877
6.2.3	12.5m/350 KG Spun pole	EA	CSR00113	2217
<b>6.3</b>	<b>Erection of RS Joist poles</b>			
6.3.1	9m - 150x75 RS Joist pole	EA	CSR00114	394
6.3.2	9m- 175 x85 RS Joist Pole	EA	CSR00115	406
6.3.3	9m - 150x150 RS Joist Pole	EA	CSR00116	752
<b>6.4</b>	<b>Erection of Rail poles</b>			
6.4.1	8.23m - 60lbs/27.3 Kg Rail pole	EA	CSR00117	710
6.4.2	9.14m - 75lbs/34.1 Kg Rail pole	EA	CSR00118	731
6.4.3	9.14m - 90lbs/40.9Kg Rail pole	EA	CSR00119	745
6.4.4	9.14m - 105lbs/47.7Kg Rail pole	EA	CSR00120	760
<b>7</b>	<b>Rectification of Leaned poles</b>			

	Labour charges for rectification of all types of leaned poles where the lean is more than 30 degree to the vertical.	35% of pole erection charges		
<b>8</b>	<b>Dismantling works</b>			
	Dismantling charges for all types of works	75% of erection charges . In case of poles if received in good condition, 75% erection charges are payable. If pole is received in damaged condition then 50% erection charges are payable.		
<b>9</b>	<b>Erection of stay sets</b>			
9.1	Erection of stay set for 33 KV line	EA	CSR00121	193
9.2	Erection of stay set for 11 KV line or LT Line	EA	CSR00122	169
<b>10</b>	<b>Erection of Cross arms</b>			
<b>10.1</b>	<b>33KV Cross arms</b>			
10.1.1	33 KV V X-arms	EA	CSR00123	71
10.1.2	33 KV Top fittings	EA	CSR00124	39
10.1.3	33 KV Tapping Channel X-arm set	EA	CSR00125	71
10.1.4	33 KV Side arm with strut	EA	CSR00126	94
10.1.5	33 KV T Channel Set	EA	CSR00127	94
<b>10.2</b>	<b>11 KV Cross arms</b>			
10.2.1	11 KV V X-arms	EA	CSR00128	57
10.2.2	11 KV Top fittings	EA	CSR00129	36
10.2.3	11 KV Tapping Channel X-arm	EA	CSR00130	57
10.2.4	11 KV Side arm with strut	EA	CSR00131	78
10.2.5	11 KV T Channel Set	EA	CSR00132	78
<b>10.3</b>	<b>LT Cross arms</b>			
10.3.1	LT S Ph. X-arm	EA	CSR00133	51
10.3.2	LT Top fitting	EA	CSR00134	32
10.3.3	LT 3 Ph. 4 / 5 W X-arm	EA	CSR00135	57
10.3.4	LT 3 Ph. Side arm with strut	EA	CSR00136	64
<b>11</b>	<b>Fixing of insulators</b>			
<b>11.1</b>	<b>33 KV Insulators</b>			
11.1.1	33 KV Polymer Pin Insulators	Each	CSR00137	25
11.1.2	33 KV Porcelain Pin Insulators	Each	CSR00138	25

11.1.3	33 KV Composite Polymer/porcelain Disc Insulator	Each	CSR00139	73
<b>11.2</b>	<b>11 KV Insulators</b>			
11.2.1	11 KV Polymer Pin Insulators	Each	CSR00140	20
11.2.2	11 KV Porcelain Pin Insulators	Each	CSR00141	20
11.2.3	11 KV Composite Polymer/ porcelain Disc Insulator	Each	CSR00142	42
<b>11.3</b>	<b>LT Insulators</b>			
11.3.1	LT PI / Shackles	Each	CSR00143	16
<b>12</b>	<b>Erection of Double Pole structure</b>			
	Individual pole erection charges and other relevant items are to be considered to arrive the cost of erection of double pole structure			
<b>13</b>	<b>Erection of Strut</b>			
13.1	Erection of Strut	Relevant pole erection charges are to be considered for erection of strut		
13.2	Erection of 33KV Stay set with stay wire binding for eye bolt guy insulator and anchor rod and back filling the stay pit.	EA	CSR00144	180
13.3	Erection of 11KV Stay set with stay wire binding for eye bolt guy insulator and anchor rod and back filling the stay pit.	EA	CSR00145	150
<b>14</b>	<b>Paving, Stringing and Jumpering of Conductor</b>			
14.1	100 sq mm AAAC /Per KM/Per Conductor	KM	CSR00146	4155
14.2	55 sq mm AAAC /Per KM/Per Conductor	KM	CSR00147	2078
14.3	34 sq mm AAAC /Per KM/Per Conductor	KM	CSR00148	1870
<b>15</b>	<b>Paving , Stringing and Jumpering of Cable</b>			

15.1	2x16+25 sq mm	KM	CSR00149	2112
15.2	3x16+25 sq mm	KM	CSR00150	2703
15.3	11KV AB cable	KM	CSR00151	11114
<b>16</b>	<b>Restranging of loose spans</b>			
	Charges for restranging of loose spans	<b>50% of stringing charges</b>		

<b>17</b>	<b>Concreting of pole pits, stay pits and construction of DTR plinths</b>						
	AP Government has issued orders duly specifying rates of sand based on stock point. These rates varies from Rs 375 to Rs 1865/- per Metric tonne for each stock point differently. Hence the item rates are given in four categories as shown below. While preparing estimate, user has to verify nearest stock point sand rate from the site and adopt proper item rate.						
<b>17.1</b>	<b>Concreting of pole pit</b>			Sand rate up to Rs 500/- per MT	Sand rate from Rs 501/- to Rs 1000/- per MT	Sand rate from Rs 1001/- to Rs 1500/- per MT	Sand rate from Rs 1501/- to Rs 1865/- per MT
17.1.1	Concreting of pole pit of size 2'x2'x5' (0.6m x 0.6mx1.5 m.) with C.C.(1:4:8) using 40 mm. HBG metal.	EA	CSR00152	1968	2151	2333	2466
17.1.2	Concreting of pole pit of size 2'x2'x5' (0.6m x 0.6mx1.5 m.) with C.C.(1:3:6) using 20 mm and 12mm HBG metal.	EA	CSR00153	2082	2264	2447	2580
<b>17.2</b>	<b>Concreting of stay pit</b>						
17.2.1	Concreting of stay pit of size 1'-6" x 1'-6" x 4'6" (0.45mx0.45x1.35m) with C.C. (1:4:8) using 40 mm and 20mm HBG metal	EA	CSR00154	<b>997</b>	1090	1182	1249
17.2.2	Concreting of stay pit of size 1' 6"x 1'-6" x 4' 6"(0.45mx0.45x1.35m) with C.C. (1:3:6) using 20 mm and 12mm HBG metal	EA	CSR00155	<b>1055</b>	1147	1239	1307



<b>17.3</b>	<b>Construction of DTR plinths</b>						
17.3.1	Construction of DTR plinths- Size 4'x4'x6' (above ground) and 4'x4'x3' (below ground) with brick masonry/RR masonry wall - Excavation of pit of size 4'x4'x3', laying bed concrete with CC(1:4:8) using 40mm and 20mm HBG metal for 6" depth, Construction of distribution transformer plinth with 9" thick 8' height brick masonry wall in CM (1:6) all-round, filling the hollow portion with sand, laying of 6" thick PCC (1:3:6) using 20 mm and 12mm HBG metal on top and plastering all-round the outer side of wall with CM (1:5) 12mm thick and white washing two coats, including cost and Transport of all materials.	EA	CSR00156	<b>16685.00</b>	18212	19738	20852
17.3.2	Construction of DTR plinths- Pillar mounted RCC plinth with 5'x5'x5" slab with column 6' above ground level. - Excavation of pit of size 4'x4'x5', laying bed concrete with CC(1:4:8) using 40mm and 20mm HBG metal for 6" depth, Construction of distribution transformer plinth with footing size (4'x4'x1.5'), column size 9"x9"x4'6" (below ground), 9"x9"x5' (above ground), cross beams in plus shape 4'x9"x12", slab size 5'x5'x5", providing reif steel 12mm rod for footings and slab at 6" spacing, 4 nos 12mm rod for columns and beams with 8mm stirrups, re-filling the hollow portion with excavated earth, plastering	EA	CSR00158	<b>17040.00</b>	17591	18142	18544

	CM (1:5) 12mm thick and painting one coat to slabs, column and beam.						
17.3.3	Construction of DTR plinths- Size 4'x4'x6' (above ground) and 4'x4'x3' (below ground) with brick masonry/RR masonry wall- Excavation of pit of size 4'x4'x3', laying bed concrete with CC(1:4:8) using 40mm and 20mm HBG metal for 6" depth, Construction of distribution transformer plinth with 9" thick 8'6" height brick masonry wall in CM (1:6) all-round, filling the hollow portion with sand, and plastering all-round the outer side of wall with CM (1:5) 12mm thick and white washing two coats, including cost and Transport of all	EA	CSR00159	<b>22062.00</b>	22796	23530	24066

<b>18</b>	<b>Erection or Dismantlement of DTRs</b>			
	Erection of Distribution Transformer on the plinth/pole carefully without causing and damaging to bushing including labour and transport complete including earthing as per department standards.			
18.1	1Ph DTRs 5 / 15 KVA	EA	CSR00160	448
18.2	3Ph DTRs up to 40 KVA	EA	CSR00161	529
18.3	3Ph DTRs 63 KVA to 160 KVA	EA	CSR00162	967
18.4	3Ph DTRs 200 KVA to 500 KVA	EA	CSR00163	1289
<b>19</b>	<b>Erection of earth electrodes</b>			

	Erection of earth electrodes using CI/GI pipes including pit excavation, back filling , betonite powder and cement collar of 2' dia x 1' height etc complete.			
19.1	GI Pipe 40mm/ 80mm depth up to 2m (6.5ft)	EA	CSR00164	676
19.2	CI Pipe 80mm/ 150mm depth up to 3m (10ft)	EA	CSR00165	903
<b>20</b>	<b>Wiring of 3 Phase DTR</b>			
	Wiring of 3 phase Distribution Transformer with PVC Cable/XLPE cable/ conductor from transformer LV bushing to LT HG Fuse set and HG Fuse set to line with bear conductor supported on insulator fixed to fabricated LV frame including lugging at terminals.			
20.1	Single feeder (open / PVC cable/ XLPE Cable)	EA	CSR00166	375
20.2	Double feeder (open / PVC cable/ XLPE Cable)	EA	CSR00167	574
<b>21</b>	<b>Earthing of DTRs</b>			
	Running of No 8 G.I wire from Distribution Transformer (3 Phase) AB Switch, HG Fuse Set V'X' Arm etc running of 14 SWG G.I. Wire including double earthing as per specification for running of total 10 Nos GI wires. (Per Lead Per length)	Per Lead Per length	CSR00168	30
<b>22</b>	<b>Security fencing to DTRs</b>			
	Providing security fencing to Distribution Transformer structures with gate and locking arrangement which is one side removable and three sides fixed fencing using G.I. Chain link mesh 8 gauge 50.8mm x 50.8mm (2" x 2") size, MS angle 50 x 50 x 6, MS flat 35 x 6, MS flat 25 x 6, bolts, nuts, Aldrop, hinges, concreting the supports with PCC (1:3:6), painting one coat red oxide, two coats synthetic enamel paint, complete	1 sqm	CSR00169	<b>1036</b>

	for finished item of work.			
<b>23</b>	<b>Erection of HG Fuse sets</b>			
23.1	Erection of HG Fuse sets- 33 KV fuse set	EA	CSR00170	447
23.2	Erection of HG Fuse sets- 11 KV fuse set	EA	CSR00171	294
23.3	Erection of HG Fuse sets- LT fuse set	EA	CSR00172	220
<b>24</b>	<b>Extra percentage towards work involving (a) Single Pole (b) Two Pole (c) Three Poles (This rate is applicable to both Urban and Rural areas)</b>			
24.1	Single Pole	No Extra		
24.2	Two Poles	No Extra		
24.3	Three Poles	No Extra		
	<b>33/11 KV sub station works</b>			
<b>25</b>	<b>Erection of VCBs with CTs and CR Panels including earthing, wiring and Jumpering with all accessories as per departmental standards.</b>			
25.1	33 KV VCBs	EA	CSR00173	7550
25.2	11 KV VCBs	EA	CSR00174	5675
<b>26</b>	<b>Erection of AB switches</b>			
26.1	33 KV AB switch	EA	CSR00175	1245
26.2	11 KV AB switch	EA	CSR00176	830

<b>27</b>	<b>Painting of old structures (Work is to be done during LC period, hence these rates are applicable for old structures. For new structures separate rate is to be worked out)</b>			
27.1	Painting of old structures - with One coat of Anti corrosive bitumen black paint or red oxide priming coat during LC period.			
	<b>Rate /1 sqm</b>	1sqm	CSR00177	<b>90</b>
	<b>Rate / 1MT</b>	1MT	CSR00178	<b>2807</b>
27.2	Painting of old structures - with One coat of aluminium/ Synthetic enamel paint during LC period.			
	<b>Rate /1 sqm</b>	1sqm	CSR00179	<b>99</b>
	<b>Rate / 1MT</b>	1MT	CSR00180	<b>3085</b>
27.3	Painting of old structures - with <b>two</b> coats of aluminium/ Synthetic enamel paint during LC period.			
	<b>Rate /1 sqm</b>	1sqm	CSR00181	<b>155</b>
	<b>Rate / 1MT</b>	1MT	CSR00182	<b>4848</b>
27.4	Painting of old structures - with One coat of red oxide and two coats of aluminium paint or synthetic enamel paint during LC period.			
	<b>Rate /1 sqm</b>	1sqm	CSR00183	<b>245</b>
	<b>Rate / 1MT</b>	1MT	CSR00184	<b>7655</b>

28	Paving out and laying of 33KV/11 KV UG cable duly forming the cable trench including excavation of trench 2'X2' filling the trench with excavated earth including transporting of cable etc. complete with out construction of trench. / Laying of copper control cables buried in trench or ground and termination.			
28.1	33 KV UG cable	RM	CSR00185	320
28.2	11 KV UG cable	RM	CSR00186	175
28.3	4Corex2.5sqmm	RM	CSR00187	37
28.4	10Corex2.5sqmm	RM	CSR00188	42
29	Erection of Cable Heat Shrunk joints excluding material cost.			
29.1	33 KV cable heat shrunk joint			
29.1.1	up to 185 Sqmm	EA	CSR00189	3750
29.1.2	Above 185 Sqmm	EA	CSR00190	5250
29.2	11 KV cable heat shrunk joint			
29.2.1	Up to 70 Sqmm	EA	CSR00191	1500
29.2.2	95Sqmm to 185Sqmm	EA	CSR00192	2500
29.2.3	Above 185Sqmm	EA	CSR00193	3500
30	11 KV AB cable end termination consisting of 3 phases.	SET	CSR00194	7300
31	Labour charges for erection of 33 or 11 KV C.Ts including all connections.			
31.1	33 KV CTs	EA	CSR00195	250
31.2	11 KV CTs	EA	CSR00196	250
31.3	33KV Las- set(station type)	SET	CSR00197	1500
31.4	11KV Las- set(station type)	SET	CSR00198	1250
31.5	33 or 11KV Line type LAs	EA	CSR00199	<b>100</b>
32	Labour charges for erection of HT metering cubicle including all connections and earthing as per departmental standards.	EA	CSR00200	732

33	Labour charges for erection of HT Trivector meter box including all connections and earthing as per departmental standards.	EA	CSR00201	468
34	Labour charges for fixing of tube light fitting for street light	EA	CSR00202	147
35	Labour charges for fixing of MV/SV lamp fitting for street light	EA	CSR00203	162
36	Laying of earth mat/risers including excavation of trenches, welding, fixing lugs, connecting to equipment and refilling trenches using MS flat 75x8mm or 50x8mm.			
36.1	75x8mm	RM	CSR00204	68
36.2	50x8mm	RM	CSR00205	46
<b>37</b>	<b>M &amp; P Division Items</b>			
	Labour charges for testing and repairing of meters and rigging and modification of CT Boxes.			
37.1	Single Phase meter repair and overhauling	Each	CSR00206	26
37.2	Single Phase meter old or new testing	Each	CSR00207	18
37.3	Sealing of Meter bit, including inserting of wire	Each	CSR00208	9
37.4	Winding of trip and close coils including material and without bobbin	Each	CSR00209	1035
37.5	Fixing of 3-Ph LT CT meter at DTR including transport	Each	CSR00210	1455
37.6	Replacement of existing S-Ph meter with H.A meter (all types including infrared(IR) meter) including writing meter change slip and handing over to Section office including transporting from section office to location and back.	Each	CSR00211	69

37.7	Replacement of existing S-Ph meter with H.A meter (all types including infrared(IR) meter) and supply of flexible pipe and PVC pipe including writing meter change slip and handing over to Section office including transporting from section office to location and back.	Each	CSR00212	99
37.8	Replacement of existing 3-Ph meter with H.A meter (all types including infrared(IR) meter) including writing meter change slip and handing over to Section office including transporting from section office to location and back.	Each	CSR00213	104
37.9	Replacement of existing 3-Ph meter with H.A meter (all types including infrared(IR) meter) and supply of flexible pipe and PVC pipe including writing meter change slip and handing over to Section office including transporting from section office to location and back.	Each	CSR00214	144
37.10	Erection of 33KV and 11KV CTs including earthing & Jumpering with GI/Copper wire	Each	CSR00215	262
37.11	Erection of 33KV and 11KV CTs including earthing & Jumpering with GI/Copper/MS Flat Earthing	Each	CSR00216	332
37.12	Handling, testing, providing of seals with cover, stacking neatly.			
37.12.1	S phase energy meter.	EA	CSR00217	12
	3 Phase energy meter	EA	CSR00218	20



37.12.2				
37.13	Labour charges for sealing of single phase/3 phase meters including transportation of meter box carton to work spot, unpacking, packing of sealed meters and stocking etc., complete.			
37.13.1	2 Seals	EA	CSR00219	5
37.13.2	3 Seals	EA	CSR00220	5
37.13.3	4 Seals	EA	CSR00221	5
37.14	Labour charges for sealing of S Phase/ 3 phase energy meters housed in PP box including transportation unpacking and packing and stocking of meter box etc., complete.			
37.14.1	2 Seals	EA	CSR00222	5
37.14.2	3 Seals	EA	CSR00223	5
37.14.3	4 Seals	EA	CSR00224	5
37.14.4	6 Seals	EA	CSR00225	10
37.15	Removing the meter back cover, cleaning the old meter cover, painting the meter top & bottom covers with good approved enamel black paint, cleaning the meter with petrol and oiling to bearings with good 2 in 1 oil (Usha make) refixing the meter in meter cover duly providing new gaskets. Testing and adjustments of the meter as per departmental standards, loading, transporting, and unloading including introducing sealing wire to each meter including replacement of glass wherever necessary.			
37.15.1	Including cost of paint	EA	CSR00226	31
37.15.2	Excluding cost of paint	EA	CSR00227	23
37.16	Removal or fixing of PC coil, CC coil or Disc, cyclometer or terminal block.	EA	CSR00228	3.6
37.17	Metering arrangement with CTs to 16/25 KVA Agricultural DTRs			

37.17.1	Supply and rigging of meter with country wood of size 1'x1/2', 7/20 finolex wire, bolts and nuts and screws along with lugs. Removing of metallic strip in syntex box, fixing of wooden board suitably, fixing of meter and CT in position including fixing of neutral terminal bolt. Providing of internal wiring duly giving proper connections, opening of internal link in the meter duly providing sealing after testing. ( energy meter and box will be supplied by the dept)	EA	CSR00229	759
37.17.2	Supply and fixing of 2meters of aluminium cable, 05m of 3/20 copper wire, 2 sets of clamps with bolts and nuts and misc items like insulation tapes, screws etc., including labour charges for fixing of box and transport charges including loading and unloading.	EA	CSR00230	350
37.17.3	.do. with 4 sets of clamps	EA	CSR00231	409
37.18	HT metering wiring including pipes, bends and wires including cost of pipes, bends and wires	LS	CSR00232	2200
	<b>Transformer division/ SPM Works</b>			
<b>38.1</b>	<b>Loading or Unloading of PTR in to Lorry</b>			
38.1.1	Loading or Unloading of 1.5MVA/ 3MVA / 3.15MVA PTR	EA	CSR00233	3500.00
38.1.2	Loading or Unloading of 5MVA PTR	EA	CSR00234	5410.00
38.1.3	Loading or Unloading of 8MVA PTR	EA	CSR00235	6991.00
38.1.4	Loading or Unloading of 10MVA	EA	CSR00236	8502.00
38.1.5	Loading or Unloading of 12.5MVA	EA	CSR00237	9447.00
<b>38.2</b>	<b>Dragging of PTR on ground</b>			
38.2.1	Dragging of 1.5MVA/3MVA/3.15MVA/5MVA PTR	FT	CSR00238	204
38.2.2	Dragging of 8MVA/10 MVA PTR	FT	CSR00239	237

<b>38.3</b>	<b>Assembling or Dismantling of conservator tank, radiators, vent pipe and other accessories of PTR</b>			
38.3.1	1.5MVA PTR to 5MVA PTR	EA	CSR00240	2186
38.3.2	8MVA PTR to 12.5MVA PTR	EA	CSR00241	2733
<b>38.4</b>	<b>Top up/ removal of Transformer Oil into Conservator tank Radiators and other accessories</b>			
38.4.1	1.5MVA PTR to 5MVA PTR	EA	CSR00242	1168
38.4.2	8MVA PTR to 12.5MVA PTR	EA	CSR00243	1378
38.5	Labour for opening of the top cover of CSP Transformer by cutting with grinder and welding/fixing with bolts and nuts of the top cover for various capacities of Distribution transformers ie.,63 KVA,100KVA 250 KVA and 500 KVA at SPM shed inclusive of cost of welding electrodes, cost of bolts and nuts and drilling of holes	EA	CSR00244	1800
38.6	Labour charges for reclamation of used transformer oil at MRT shed	Kilo Litre	CSR00245	5000
38.7	Providing of MS vent pipe with diaphragm to the top cover of the D.Tr. The vent Pipe consists of 50mm dia, 4mm thick copper foil should be fixed between flange of the Nipple and 180 bend. Wire gauge protection should be provided at the end of the bend Duly providing flange	EA	CSR00246	261
	<b>FABRICATION OF LINE MATERIALS</b>			
39	<b>CUTTING CHARGES</b>			
39.1	60 lbs. Rail poles	EA	CSR00247	38
39.2	90 lbs. Rail poles	EA	CSR00248	59

39.3	105 lbs. Rail poles	EA	CSR00249	59
39.4	R.S. Joists of various sizes	EA	CSR00250	30
39.5	M.S. Channels of size 75 x 40 mm. and 80 x 40 mm	EA	CSR00251	10
39.6	M.S. Channels of size 100 x 50 mm. and 125 x 65 mm	EA	CSR00252	11
39.7	M.S. Channels of size 150 x 75 mm. and above	EA	CSR00253	15
39.8	M.S. Angles of sizes 50 x 50 x 6 mm. and 55 x 55 x 5 mm.	EA	CSR00254	5
39.9	M.S. Angles of size 65 x 65 x 6 mm. and above	EA	CSR00255	6
39.10	M.S. Flat 75 x 8 mm.	EA	CSR00256	4
39.11	M.S. Flat of size 50 x 6 mm.	EA	CSR00257	4
39.12	M.S. Flat of width below 50 mm.	EA	CSR00258	4
39.13	M.S. Rounds up to 23 mm.	EA	CSR00259	4
40	<b>DRILLING CHARGES</b>			
40.1	Charges for drilling of holes to various sizes of angle, channel and flats.			
40.1.1	For holes up to 18 mm.	EA	CSR00260	4
40.1.2	For holes above 18 mm	EA	CSR00261	5
40.2	Drilling of holes of various sizes to R.S. Joists and Rail poles with ratchet or hand Drilling machine:			
40.2.1	For R.S. Joists	EA	CSR00262	6
40.2.2	For 60 lbs. Rail poles	EA	CSR00263	7
40.2.3	For 90 lbs. Rail poles	EA	CSR00264	8
40.3	Drilling of holes of various sizes to R.S. Joists or Rails poles using power drilling Machine:.			
40.3.1	For R.S. Joists	EA	CSR00265	5
40.3.2	For 60 lbs. Rail poles	EA	CSR00266	6
40.3.3	For 90 lbs. And 120 lbs Rail	EA	CSR00267	7
41	<b>FABRICATION CHARGES</b>			
41.1	33 KV "V" Cross arms with 100x50 mm MS Channel 2.08mtrs(6'.10") – Weight of the materials=19.0 Kg	EA	CSR00268	158
41.2	11KV "V" Cross arms .			

41.2.1	With 75x40 mm M.S. Channel . Weight of the materials = 9 Kgs.(with 4 nos 50x50x6 packing plates are welded)	EA	CSR00269	131
41.2.2	With 65x65x6mm M.S. Angle – . Weight of the materials =8.2 Kgs	EA	CSR00270	102
41.3	LT 3.Phase 4 Wire Cross arms.			
41.3.1	With 50x50x6mm M.S. Angle( 3'.8") . Weight of the materials = 5.75 Kgs.	EA	CSR00271	58
41.3.2	With 65x65x6mm M.S. Angle (3'.8") – Weight of the materials = 7 Kgs	EA	CSR00272	58
41.4	LT 3.Phase 5 Wire Cross arms .			
41.4.1	With 50x50x6mm M.S. Angle(4'.5")– Weight of the materials = 7.3 Kgs	EA	CSR00273	60
41.4.2	With 65x65x6mm M.S. Angle ( 4'.5") – Weight of the materials = 9.6 Kgs	EA	CSR00274	60
41.5	LT S.Phase 3 Wire Cross arms with 50x50x6mm M.S. Angle (2'.5") = Weight of the materials = 4.2 Kgs.	EA	CSR00275	43
41.6	M.S. Stay sets			
41.6.1	11 KV M.S. Stay sets with 20 mm M.S. Rod & Stay Clamps with 100x50mm M.S. Channel . Weight of the materials = 10.3 Kgs	EA	CSR00276	143
41.6.2	M.S. Stay sets with 20 mm M.S. Rod & Stay Clamps with 75 x40mm M.S. Channel . Weight of the materials = 10.2 Kgs.	EA	CSR00277	143
41.6.3	M.S. Stay sets with 16mm M.S. Rod & Stay Clamps with 100x50mm M.S. Channel .Weight of the materials = 8.0 Kgs	EA	CSR00278	115
41.6.4	M.S. Stay sets with 16mm M.S. Rod & Stay Clamps with 75x40xmm M.S. Channel .Weight of the materials = 7.6 Kgs	EA	CSR00279	115

41.6.5	M.S. Stay sets with 16mm M.S. Rod & Stay Clamps with 50x50x6mm M.S. Angle – Weight of the materials = 6.3 Kgs	EA	CSR00280	100
41.7	33KV Top Fitting			
41.7.1	33KV Top Fitting with Clamps with 75x40mm M.S. Channel . Weight of the materials = 6.9 Kgs.	EA	CSR00281	72
41.7.2	33KV Top Fitting with Clamps with 65x65x6mm M.S. angle . Weight of the materials = 6.5 Kgs.	EA	CSR00282	72
41.8	11KV Top Fittings			0
41.8.1	11KV Top Fittings with Clamps 65x65x6mm M.S. Angle – Weight of the materials = 4.4 Kgs.	EA	CSR00283	77
41.8.2	11KV Top Fittings with Clamps 50x50x6mm M.S. Angle . Weight of the materials = 3.63Kgs.	EA	CSR00284	64
41.8.3	11KV Special Top Fittings with Clamps (2'.0" Height ) 50x50x6mm M.S. Angle – Weight of the materials = 3.6Kgs.	EA	CSR00285	64
41.9	LT Top Fittings with Clamps 50x6mm M.S. Flat – Weight of the materials = 2.4 Kgs.	EA	CSR00286	42
41.10	11KV Tapping Cross arms with (5.6") 100x50mm M.S. Channel – Weight of the materials =13.4 Kgs	EA	CSR00287	80
41.11	11KV Tapping Cross arms with (5.6") 75x40mm M.S. Channel – Weight of the materials = 11.2 Kgs.	EA	CSR00288	80
41.12	33KV Tapping Cross arms with (7'.0") 100x50mm M.S. Channel – Weight of the materials = 16.2 Kgs.	EA	CSR00289	80

41.13	HT/LT Side arms with strut- (7'.6") 75x40mm M.S. Channel, (3'.6") 50x50x6mm M.S. Angle, (7'.6") 50x50x6mm M.S. Angle, (3'.0") 50x50x6mm M.S. Angle – Weight of the materials = 37.600Kgs.	EA	CSR00290	132
41.14	LT Side arms with strut - (5'.6") 50x50x6mm M.S. Angle, (6'.0") 50x50x6mm M.S. Angle – Weight of the materials = 15.600Kgs.	EA	CSR00291	192
41.15	M.S Back Clamps (1'.3")			
41.15.1	With 50x6mm M.S. Flat for 8m/140 Kg Pole – Weight of the materials = 0.84 Kgs.	EA	CSR00292	19
41.15.2	With 50x6mm M.S. Flat for 8m/200 Kg Pole – Weight of the materials = 0.924 Kgs.	EA	CSR00293	19
41.15.3	With 75x8mm M.S. Flat for 9.1m/280 Kg Pole – Weight of the materials = 2.17 Kgs.	EA	CSR00294	20
41.16	M.S. Stay Clamps (1'.1" X 2Nos.)- 50x6mm M.S. Flat – Weight of the materials = 1.640Kgs.			
41.16.1	For 8m/140 Kg Pole – Weight of the materials = 1.38 Kgs.	EA	CSR00295	31
41.16.2	For 8m/200 Kg Pole – Weight of the materials = 1.416 Kgs.	EA	CSR00296	32
41.16.3	For 9.1m/280 Kg Pole – Weight of the materials = 3.71 Kgs.	EA	CSR00297	39
41.17	Pole mounting arrangement for 3.Phase 16/25 KVA DTR'S - (4'.0=2Nos.) 75x40mm M.S. Channel, (5'.0"=1No) 50x50x6mm M.S. Angle, (1'.6"=2Nos.)50x50x6mm M.S. Angle, (1'.1"=2Nos.)50x50x6mm M.S. Flat – Weight of the materials = 26Kgs	SET	CSR00298	289
41.18	D.P. Structures total set- 10' – 2Nos. 100 x 50 MS Channel, 10' .2Nos. 50 x 50x 6 Angle, 3' – 3 Nos. 75 x 40 Channel, 2' – 4Nos. 50 x 6 MS Flat	SET	CSR00299	598

41.19	Spun Pole Clamps			
41.19.1	i) Back Clamps	EA	CSR00300	34
41.19.2	ii) Stay Clamps	EA	CSR00301	28
41.20	Extension Pieces	EA	CSR00302	
41.21	HT/LT Spun Pole mounting- 8' – 100 x 50 Channel, 21' – 65 x 65 Angle, 12' – 75 x 8 MS Flat	SET	CSR00303	404
41.22	AB Switch OFF & ON Base with Clamp	SET	CSR00304	69
	<b>WELDING CHARGES</b>			
42.1	ARC WELDING charges for all steel materials to a length of 25 mm.(1") of weld including cost of power and electrodes.			
42.1.1	Double welding	25mm	CSR00305	12
42.1.2	Single welding	25mm	CSR00306	7
42.2	GAS WELDING charges for all steel materials to a length of 25 mm.(1") of weld including cost of gas	25mm	CSR00307	13
43	GAS CUTTING	25mm	CSR00308	6
	<b>Other Items</b>			
44	Labour charges for erection / fixing of heavy steel structures, like M+3, M+6, M+9 and M+12 towers , Trusses erecting in position and fixing by using chain pulley blocks, Derek pole arrangements and cranes etc., complete in position	1MT	CSR00309	7800
44.1	M+3 Tower Light(2.02MT)	1 No	CSR00310	15756
44.2	M+3 Tower Heavy(2.4MT)	1 No	CSR00311	18720
44.3	M+6 Tower Light(2.4MT)	1 No	CSR00312	18720
44.4	M+6 Tower Heavy(2.8MT)	1 No	CSR00313	21840
44.5	M+9 Tower Light(2.8MT)	1 No	CSR00314	21840
44.6	M+9 Tower Heavy(3.4MT)	1 No	CSR00315	26520
44.7	M+12 Tower Light(3.2MT)	1 No	CSR00316	24960
44.8	M+12 Tower Heavy(4MT)	1 No	CSR00317	31200
45	Providing of trenchless digging with HDD (Horizontal Directional Drilling) method for laying & installation of HT or LT lines using XLPE UG Cables			



45.1	33KV 400 sqmm	RM	CSR00318	806
45.2	11KV 300 sqmm	RM	CSR00319	719
45.3	11KV 185 sqmm	RM	CSR00320	635

## 46 Transport/ conveyance/ Lead charges

1)	Government SSR for the year 2019-20 for transport Charges of materials (Steel, RCC Poles, Cement, Packed materials) excluding loading and unloading is adopted for all DISCOM materials.	
2)	<b>However, for transport of conductor drums, transformer oil drums, and fragile materials such as kiosks, L.As, Insulators, Transformers, Meters etc., which occupy more space and less weight, the rates with 20% excess over the Govt SSR rates for line materials shall be adopted.</b>	
3)	Loading and unloading charges are payable extra.	
4)	Transport charges in respect of poles up to 5 KM, SSR item 10 may be adopted.	
	<b>Transport/conveyance/Lead charges for trucks and tippers</b>	
<b>Sl No.</b>	<b>Distance</b>	<b>For Cement/ Steel/ RCC poles/ AC &amp; GI sheets/ Packed materials/ Rate per Ton</b>
<b>1</b>	<b>2</b>	<b>3</b>
1	Lead up to 1 km	17.1
2	Lead up to 2 km	24
3	Lead up to 3 km	33
4	Lead up to 4 km	40
5	Lead up to 5 km	47.1
6	for Every km beyond 5 km up to 30 km	7.1
7	for Every km beyond 30 km	5.9

Transport charges for **Cement/ Steel/ RCC poles/ AC & GI sheets/ Packed materials** excluding loading and unloading charges - Rate per Ton for each Km- is shown in the next page along with SAP codes.

**Calculated transport charges**

SAP Service code	Lead in KM	Rate/MT
CTR00001	1	17.1
CTR00002	2	24
CTR00003	3	33
CTR00004	4	40
CTR00005	5	47.1
CTR00006	6	54.2
CTR00007	7	61.3
CTR00008	8	68.4
CTR00009	9	75.5
CTR00010	10	82.6
CTR00011	11	89.7
CTR00012	12	96.8
CTR00013	13	103.9
CTR00014	14	111
CTR00015	15	118.1
CTR00016	16	125.2
CTR00017	17	132.3
CTR00018	18	139.4
CTR00019	19	146.5
CTR00020	20	153.6
CTR00021	21	160.7
CTR00022	22	167.8
CTR00023	23	174.9
CTR00024	24	182
CTR00025	25	189.1
CTR00026	26	196.2
CTR00027	27	203.3
CTR00028	28	210.4
CTR00029	29	217.5
CTR00030	30	224.6
CTR00031	31	231.4
CTR00032	32	238.2
CTR00033	33	245
CTR00034	34	251.8
CTR00035	35	258.6

**1Km to 35Km**

SAP Service code	Lead in KM	Rate/MT
CTR00001	1	17.1
CTR00002	2	24
CTR00003	3	33
CTR00004	4	40
CTR00005	5	47.1
CTR00006	6	54.2
CTR00007	7	61.3
CTR00008	8	68.4
CTR00009	9	75.5
CTR00010	10	82.6
CTR00011	11	89.7
CTR00012	12	96.8
CTR00013	13	103.9
CTR00014	14	111
CTR00015	15	118.1
CTR00016	16	125.2
CTR00017	17	132.3
CTR00018	18	139.4
CTR00019	19	146.5
CTR00020	20	153.6
CTR00021	21	160.7
CTR00022	22	167.8
CTR00023	23	174.9
CTR00024	24	182
CTR00025	25	189.1
CTR00026	26	196.2
CTR00027	27	203.3
CTR00028	28	210.4
CTR00029	29	217.5
CTR00030	30	224.6
CTR00031	31	231.4
CTR00032	32	238.2
CTR00033	33	245
CTR00034	34	251.8
CTR00035	35	258.6

**36Km to 70Km**

SAP Service code	Lead in KM	Rate/MT
CTR00036	36	265.4
CTR00037	37	272.2
CTR00038	38	279
CTR00039	39	285.8
CTR00040	40	292.6
CTR00041	41	299.4
CTR00042	42	306.2
CTR00043	43	313
CTR00044	44	319.8
CTR00045	45	326.6
CTR00046	46	333.4
CTR00047	47	340.2
CTR00048	48	347
CTR00049	49	353.8
CTR00050	50	360.6
CTR00051	51	367.4
CTR00052	52	374.2
CTR00053	53	381
CTR00054	54	387.8
CTR00055	55	394.6
CTR00056	56	401.4
CTR00057	57	408.2
CTR00058	58	415
CTR00059	59	421.8
CTR00060	60	428.6
CTR00061	61	435.4
CTR00062	62	442.2
CTR00063	63	449
CTR00064	64	455.8
CTR00065	65	462.6
CTR00066	66	469.4
CTR00067	67	476.2
CTR00068	68	483
CTR00069	69	489.8
CTR00070	70	496.6

71Km to 105Km		
SAP Service code	Lead in KM	Rate/ MT
CTR00071	71	503.4
CTR00072	72	510.2
CTR00073	73	517
CTR00074	74	523.8
CTR00075	75	530.6
CTR00076	76	537.4
CTR00077	77	544.2
CTR00078	78	551
CTR00079	79	557.8
CTR00080	80	564.6
CTR00081	81	571.4
CTR00082	82	578.2
CTR00083	83	585
CTR00084	84	591.8
CTR00085	85	598.6
CTR00086	86	605.4
CTR00087	87	612.2
CTR00088	88	619
CTR00089	89	625.8
CTR00090	90	632.6
CTR00091	91	639.4
CTR00092	92	646.2
CTR00093	93	653
CTR00094	94	659.8
CTR00095	95	666.6
CTR00096	96	673.4
CTR00097	97	680.2
CTR00098	98	687
CTR00099	99	693.8
CTR00100	100	700.6
CTR00101	101	707.4
CTR00102	102	714.2
CTR00103	103	721
CTR00104	104	727.8
CTR00105	105	734.6

106Km to 140Km		
SAP Service code	Lead in KM	Rate/ MT
CTR00106	106	741.4
CTR00107	107	748.2
CTR00108	108	755
CTR00109	109	761.8
CTR00110	110	768.6
CTR00111	111	775.4
CTR00112	112	782.2
CTR00113	113	789
CTR00114	114	795.8
CTR00115	115	802.6
CTR00116	116	809.4
CTR00117	117	816.2
CTR00118	118	823
CTR00119	119	829.8
CTR00120	120	836.6
CTR00121	121	843.4
CTR00122	122	850.2
CTR00123	123	857
CTR00124	124	863.8
CTR00125	125	870.6
CTR00126	126	877.4
CTR00127	127	884.2
CTR00128	128	891
CTR00129	129	897.8
CTR00130	130	904.6
CTR00131	131	911.4
CTR00132	132	918.2
CTR00133	133	925
CTR00134	134	931.8
CTR00135	135	938.6
CTR00136	136	945.4
CTR00137	137	952.2
CTR00138	138	959
CTR00139	139	965.8
CTR00140	140	972.6

141Km to 175Km		
SAP Service code	Lead in KM	Rate/ MT
CTR00141	141	979.4
CTR00142	142	986.2
CTR00143	143	993
CTR00144	144	999.8
CTR00145	145	1006.6
CTR00146	146	1013.4
CTR00147	147	1020.2
CTR00148	148	1027
CTR00149	149	1033.8
CTR00150	150	1040.6
CTR00151	151	1047.4
CTR00152	152	1054.2
CTR00153	153	1061
CTR00154	154	1067.8
CTR00155	155	1074.6
CTR00156	156	1081.4
CTR00157	157	1088.2
CTR00158	158	1095
CTR00159	159	1101.8
CTR00160	160	1108.6
CTR00161	161	1115.4
CTR00162	162	1122.2
CTR00163	163	1129
CTR00164	164	1135.8
CTR00165	165	1142.6
CTR00166	166	1149.4
CTR00167	167	1156.2
CTR00168	168	1163
CTR00169	169	1169.8
CTR00170	170	1176.6
CTR00171	171	1183.4
CTR00172	172	1190.2
CTR00173	173	1197
CTR00174	174	1203.8
CTR00175	175	1210.6

176Km to 210Km		
SAP Service code	Lead in KM	Rate/ MT
CTR00176	176	1217.4
CTR00177	177	1224.2
CTR00178	178	1231
CTR00179	179	1237.8
CTR00180	180	1244.6
CTR00181	181	1251.4
CTR00182	182	1258.2
CTR00183	183	1265
CTR00184	184	1271.8
CTR00185	185	1278.6
CTR00186	186	1285.4
CTR00187	187	1292.2
CTR00188	188	1299
CTR00189	189	1305.8
CTR00190	190	1312.6
CTR00191	191	1319.4
CTR00192	192	1326.2
CTR00193	193	1333
CTR00194	194	1339.8
CTR00195	195	1346.6
CTR00196	196	1353.4
CTR00197	197	1360.2
CTR00198	198	1367
CTR00199	199	1373.8
CTR00200	200	1380.6
CTR00201	201	1387.4
CTR00202	202	1394.2
CTR00203	203	1401
CTR00204	204	1407.8
CTR00205	205	1414.6
CTR00206	206	1421.4
CTR00207	207	1428.2
CTR00208	208	1435
CTR00209	209	1441.8
CTR00210	210	1448.6

211Km to 245Km		
SAP Service code	Lead in KM	Rate/ MT
CTR00211	211	1455.4
CTR00212	212	1462.2
CTR00213	213	1469
CTR00214	214	1475.8
CTR00215	215	1482.6
CTR00216	216	1489.4
CTR00217	217	1496.2
CTR00218	218	1503
CTR00219	219	1509.8
CTR00220	220	1516.6
CTR00221	221	1523.4
CTR00222	222	1530.2
CTR00223	223	1537
CTR00224	224	1543.8
CTR00225	225	1550.6
CTR00226	226	1557.4
CTR00227	227	1564.2
CTR00228	228	1571
CTR00229	229	1577.8
CTR00230	230	1584.6
CTR00231	231	1591.4
CTR00232	232	1598.2
CTR00233	233	1605
CTR00234	234	1611.8
CTR00235	235	1618.6
CTR00236	236	1625.4
CTR00237	237	1632.2
CTR00238	238	1639
CTR00239	239	1645.8
CTR00240	240	1652.6
CTR00241	241	1659.4
CTR00242	242	1666.2
CTR00243	243	1673
CTR00244	244	1679.8
CTR00245	245	1686.6

246Km to 280Km		
SAP Service code	Lead in KM	Rate/ MT
CTR00246	246	1693.4
CTR00247	247	1700.2
CTR00248	248	1707
CTR00249	249	1713.8
CTR00250	250	1720.6
CTR00251	251	1727.4
CTR00252	252	1734.2
CTR00253	253	1741
CTR00254	254	1747.8
CTR00255	255	1754.6
CTR00256	256	1761.4
CTR00257	257	1768.2
CTR00258	258	1775
CTR00259	259	1781.8
CTR00260	260	1788.6
CTR00261	261	1795.4
CTR00262	262	1802.2
CTR00263	263	1809
CTR00264	264	1815.8
CTR00265	265	1822.6
CTR00266	266	1829.4
CTR00267	267	1836.2
CTR00268	268	1843
CTR00269	269	1849.8
CTR00270	270	1856.6
CTR00271	271	1863.4
CTR00272	272	1870.2
CTR00273	273	1877
CTR00274	274	1883.8
CTR00275	275	1890.6
CTR00276	276	1897.4
CTR00277	277	1904.2
CTR00278	278	1911
CTR00279	279	1917.8
CTR00280	280	1924.6

281Km to 315Km		
SAP Service code	Lead in KM	Rate/ MT
CTR00281	281	1931.4
CTR00282	282	1938.2
CTR00283	283	1945
CTR00284	284	1951.8
CTR00285	285	1958.6
CTR00286	286	1965.4
CTR00287	287	1972.2
CTR00288	288	1979
CTR00289	289	1985.8
CTR00290	290	1992.6
CTR00291	291	1999.4
CTR00292	292	2006.2
CTR00293	293	2013
CTR00294	294	2019.8
CTR00295	295	2026.6
CTR00296	296	2033.4
CTR00297	297	2040.2
CTR00298	298	2047
CTR00299	299	2053.8
CTR00300	300	2060.6
CTR00301	301	2067.4
CTR00302	302	2074.2
CTR00303	303	2081
CTR00304	304	2087.8
CTR00305	305	2094.6
CTR00306	306	2101.4
CTR00307	307	2108.2
CTR00308	308	2115
CTR00309	309	2121.8
CTR00310	310	2128.6
CTR00311	311	2135.4
CTR00312	312	2142.2
CTR00313	313	2149
CTR00314	314	2155.8
CTR00315	315	2162.6

316Km to 350Km		
SAP Service code	Lead in KM	Rate/ MT
CTR00316	316	2169.4
CTR00317	317	2176.2
CTR00318	318	2183
CTR00319	319	2189.8
CTR00320	320	2196.6
CTR00321	321	2203.4
CTR00322	322	2210.2
CTR00323	323	2217
CTR00324	324	2223.8
CTR00325	325	2230.6
CTR00326	326	2237.4
CTR00327	327	2244.2
CTR00328	328	2251
CTR00329	329	2257.8
CTR00330	330	2264.6
CTR00331	331	2271.4
CTR00332	332	2278.2
CTR00333	333	2285
CTR00334	334	2291.8
CTR00335	335	2298.6
CTR00336	336	2305.4
CTR00337	337	2312.2
CTR00338	338	2319
CTR00339	339	2325.8
CTR00340	340	2332.6
CTR00341	341	2339.4
CTR00342	342	2346.2
CTR00343	343	2353
CTR00344	344	2359.8
CTR00345	345	2366.6
CTR00346	346	2373.4
CTR00347	347	2380.2
CTR00348	348	2387
CTR00349	349	2393.8
CTR00350	350	2400.6

351Km to 385Km		
SAP Service code	Lead in KM	Rate/ MT
CTR00351	351	2407.4
CTR00352	352	2414.2
CTR00353	353	2421
CTR00354	354	2427.8
CTR00355	355	2434.6
CTR00356	356	2441.4
CTR00357	357	2448.2
CTR00358	358	2455
CTR00359	359	2461.8
CTR00360	360	2468.6
CTR00361	361	2475.4
CTR00362	362	2482.2
CTR00363	363	2489
CTR00364	364	2495.8
CTR00365	365	2502.6
CTR00366	366	2509.4
CTR00367	367	2516.2
CTR00368	368	2523
CTR00369	369	2529.8
CTR00370	370	2536.6
CTR00371	371	2543.4
CTR00372	372	2550.2
CTR00373	373	2557
CTR00374	374	2563.8
CTR00375	375	2570.6
CTR00376	376	2577.4
CTR00377	377	2584.2
CTR00378	378	2591
CTR00379	379	2597.8
CTR00380	380	2604.6
CTR00381	381	2611.4
CTR00382	382	2618.2
CTR00383	383	2625
CTR00384	384	2631.8
CTR00385	385	2638.6

386Km to 420Km		
SAP Service code	Lead in KM	Rate/ MT
CTR00386	386	2645.4
CTR00387	387	2652.2
CTR00388	388	2659
CTR00389	389	2665.8
CTR00390	390	2672.6
CTR00391	391	2679.4
CTR00392	392	2686.2
CTR00393	393	2693
CTR00394	394	2699.8
CTR00395	395	2706.6
CTR00396	396	2713.4
CTR00397	397	2720.2
CTR00398	398	2727
CTR00399	399	2733.8
CTR00400	400	2740.6
CTR00401	401	2747.4
CTR00402	402	2754.2
CTR00403	403	2761
CTR00404	404	2767.8
CTR00405	405	2774.6
CTR00406	406	2781.4
CTR00407	407	2788.2
CTR00408	408	2795
CTR00409	409	2801.8
CTR00410	410	2808.6
CTR00411	411	2815.4
CTR00412	412	2822.2
CTR00413	413	2829
CTR00414	414	2835.8
CTR00415	415	2842.6
CTR00416	416	2849.4
CTR00417	417	2856.2
CTR00418	418	2863
CTR00419	419	2869.8
CTR00420	420	2876.6

421Km to 455Km		
SAP Service code	Lead in KM	Rate/ MT
CTR00421	421	2883.4
CTR00422	422	2890.2
CTR00423	423	2897
CTR00424	424	2903.8
CTR00425	425	2910.6
CTR00426	426	2917.4
CTR00427	427	2924.2
CTR00428	428	2931
CTR00429	429	2937.8
CTR00430	430	2944.6
CTR00431	431	2951.4
CTR00432	432	2958.2
CTR00433	433	2965
CTR00434	434	2971.8
CTR00435	435	2978.6
CTR00436	436	2985.4
CTR00437	437	2992.2
CTR00438	438	2999
CTR00439	439	3005.8
CTR00440	440	3012.6
CTR00441	441	3019.4
CTR00442	442	3026.2
CTR00443	443	3033
CTR00444	444	3039.8
CTR00445	445	3046.6
CTR00446	446	3053.4
CTR00447	447	3060.2
CTR00448	448	3067
CTR00449	449	3073.8
CTR00450	450	3080.6
CTR00451	451	3087.4
CTR00452	452	3094.2
CTR00453	453	3101
CTR00454	454	3107.8
CTR00455	455	3114.6

456Km to 490Km		
SAP Service code	Lead in KM	Rate/ MT
CTR00456	456	3121.4
CTR00457	457	3128.2
CTR00458	458	3135
CTR00459	459	3141.8
CTR00460	460	3148.6
CTR00461	461	3155.4
CTR00462	462	3162.2
CTR00463	463	3169
CTR00464	464	3175.8
CTR00465	465	3182.6
CTR00466	466	3189.4
CTR00467	467	3196.2
CTR00468	468	3203
CTR00469	469	3209.8
CTR00470	470	3216.6
CTR00471	471	3223.4
CTR00472	472	3230.2
CTR00473	473	3237
CTR00474	474	3243.8
CTR00475	475	3250.6
CTR00476	476	3257.4
CTR00477	477	3264.2
CTR00478	478	3271
CTR00479	479	3277.8
CTR00480	480	3284.6
CTR00481	481	3291.4
CTR00482	482	3298.2
CTR00483	483	3305
CTR00484	484	3311.8
CTR00485	485	3318.6
CTR00486	486	3325.4
CTR00487	487	3332.2
CTR00488	488	3339
CTR00489	489	3345.8
CTR00490	490	3352.6

491Km to 525Km		
SAP Service code	Lead in KM	Rate/ MT
CTR00491	491	3359.4
CTR00492	492	3366.2
CTR00493	493	3373
CTR00494	494	3379.8
CTR00495	495	3386.6
CTR00496	496	3393.4
CTR00497	497	3400.2
CTR00498	498	3407
CTR00499	499	3413.8
CTR00500	500	3420.6
CTR00501	501	3427.4
CTR00502	502	3434.2
CTR00503	503	3441
CTR00504	504	3447.8
CTR00505	505	3454.6
CTR00506	506	3461.4
CTR00507	507	3468.2
CTR00508	508	3475
CTR00509	509	3481.8
CTR00510	510	3488.6
CTR00511	511	3495.4
CTR00512	512	3502.2
CTR00513	513	3509
CTR00514	514	3515.8
CTR00515	515	3522.6
CTR00516	516	3529.4
CTR00517	517	3536.2
CTR00518	518	3543
CTR00519	519	3549.8
CTR00520	520	3556.6
CTR00521	521	3563.4
CTR00522	522	3570.2
CTR00523	523	3577
CTR00524	524	3583.8
CTR00525	525	3590.6

526Km to 560Km		
SAP Service code	Lead in KM	Rate/ MT
CTR00526	526	3597.4
CTR00527	527	3604.2
CTR00528	528	3611
CTR00529	529	3617.8
CTR00530	530	3624.6
CTR00531	531	3631.4
CTR00532	532	3638.2
CTR00533	533	3645
CTR00534	534	3651.8
CTR00535	535	3658.6
CTR00536	536	3665.4
CTR00537	537	3672.2
CTR00538	538	3679
CTR00539	539	3685.8
CTR00540	540	3692.6
CTR00541	541	3699.4
CTR00542	542	3706.2
CTR00543	543	3713
CTR00544	544	3719.8
CTR00545	545	3726.6
CTR00546	546	3733.4
CTR00547	547	3740.2
CTR00548	548	3747
CTR00549	549	3753.8
CTR00550	550	3760.6
CTR00551	551	3767.4
CTR00552	552	3774.2
CTR00553	553	3781
CTR00554	554	3787.8
CTR00555	555	3794.6
CTR00556	556	3801.4
CTR00557	557	3808.2
CTR00558	558	3815
CTR00559	559	3821.8
CTR00560	560	3828.6

561Km to 595Km		
SAP Service code	Lead in KM	Rate/ MT
CTR00561	561	3835.4
CTR00562	562	3842.2
CTR00563	563	3849
CTR00564	564	3855.8
CTR00565	565	3862.6
CTR00566	566	3869.4
CTR00567	567	3876.2
CTR00568	568	3883
CTR00569	569	3889.8
CTR00570	570	3896.6
CTR00571	571	3903.4
CTR00572	572	3910.2
CTR00573	573	3917
CTR00574	574	3923.8
CTR00575	575	3930.6
CTR00576	576	3937.4
CTR00577	577	3944.2
CTR00578	578	3951
CTR00579	579	3957.8
CTR00580	580	3964.6
CTR00581	581	3971.4
CTR00582	582	3978.2
CTR00583	583	3985
CTR00584	584	3991.8
CTR00585	585	3998.6
CTR00586	586	4005.4
CTR00587	587	4012.2
CTR00588	588	4019
CTR00589	589	4025.8
CTR00590	590	4032.6
CTR00591	591	4039.4
CTR00592	592	4046.2
CTR00593	593	4053
CTR00594	594	4059.8
CTR00595	595	4066.6



596Km to 630Km		
SAP Service code	Lead in KM	Rate/ MT
CTR00596	596	4073.4
CTR00597	597	4080.2
CTR00598	598	4087
CTR00599	599	4093.8
CTR00600	600	4100.6
CTR00601	601	4107.4
CTR00602	602	4114.2
CTR00603	603	4121
CTR00604	604	4127.8
CTR00605	605	4134.6
CTR00606	606	4141.4
CTR00607	607	4148.2
CTR00608	608	4155
CTR00609	609	4161.8
CTR00610	610	4168.6
CTR00611	611	4175.4
CTR00612	612	4182.2
CTR00613	613	4189
CTR00614	614	4195.8
CTR00615	615	4202.6
CTR00616	616	4209.4
CTR00617	617	4216.2
CTR00618	618	4223
CTR00619	619	4229.8
CTR00620	620	4236.6
CTR00621	621	4243.4
CTR00622	622	4250.2
CTR00623	623	4257
CTR00624	624	4263.8
CTR00625	625	4270.6
CTR00626	626	4277.4
CTR00627	627	4284.2
CTR00628	628	4291
CTR00629	629	4297.8
CTR00630	630	4304.6

631Km to 665Km		
SAP Service code	Lead in KM	Rate/ MT
CTR00631	631	4311.4
CTR00632	632	4318.2
CTR00633	633	4325
CTR00634	634	4331.8
CTR00635	635	4338.6
CTR00636	636	4345.4
CTR00637	637	4352.2
CTR00638	638	4359
CTR00639	639	4365.8
CTR00640	640	4372.6
CTR00641	641	4379.4
CTR00642	642	4386.2
CTR00643	643	4393
CTR00644	644	4399.8
CTR00645	645	4406.6
CTR00646	646	4413.4
CTR00647	647	4420.2
CTR00648	648	4427
CTR00649	649	4433.8
CTR00650	650	4440.6
CTR00651	651	4447.4
CTR00652	652	4454.2
CTR00653	653	4461
CTR00654	654	4467.8
CTR00655	655	4474.6
CTR00656	656	4481.4
CTR00657	657	4488.2
CTR00658	658	4495
CTR00659	659	4501.8
CTR00660	660	4508.6
CTR00661	661	4515.4
CTR00662	662	4522.2
CTR00663	663	4529
CTR00664	664	4535.8
CTR00665	665	4542.6

666Km to 700Km		
SAP Service code	Lead in KM	Rate/ MT
CTR00666	666	4549.4
CTR00667	667	4556.2
CTR00668	668	4563
CTR00669	669	4569.8
CTR00670	670	4576.6
CTR00671	671	4583.4
CTR00672	672	4590.2
CTR00673	673	4597
CTR00674	674	4603.8
CTR00675	675	4610.6
CTR00676	676	4617.4
CTR00677	677	4624.2
CTR00678	678	4631
CTR00679	679	4637.8
CTR00680	680	4644.6
CTR00681	681	4651.4
CTR00682	682	4658.2
CTR00683	683	4665
CTR00684	684	4671.8
CTR00685	685	4678.6
CTR00686	686	4685.4
CTR00687	687	4692.2
CTR00688	688	4699
CTR00689	689	4705.8
CTR00690	690	4712.6
CTR00691	691	4719.4
CTR00692	692	4726.2
CTR00693	693	4733
CTR00694	694	4739.8
CTR00695	695	4746.6
CTR00696	696	4753.4
CTR00697	697	4760.2
CTR00698	698	4767
CTR00699	699	4773.8
CTR00700	700	4780.6

## Annexure – I - References

### **1 Points observed for preparation of common SSR for APSPDCL and APEPDCL.**

i)	Rates of labour, Transport and other items of Andhra Pradesh Government common SSR as per A.P revised standard data for the year 2019-20 (with effect from 1-6-2019) is adopted in preparation of Common SSR for Transco and Discoms.
ii)	Lower rates of APSPDCL and APEPDCL SSRs with worked out data are considered for preparation of this SSR.
iii)	No contractor profit and over head charges are applicable from the date of issue of this SSR in respect of all Civil, Electrical and Telecom works.
iv)	Area allowances on labour extra is revised and are as per Annexure Point 3.
v)	Transport/ Lead/ Conveyance Charges of Government SSR for the year 2019-20 is adopted for preparation of common SSR.
vi)	For construction of DTR plinths and pole pit concreting average lead of 30 Km is adopted for Sand, Metal, stone, brick and gravel material to arrive at common rate. But these rates may be revised by local civil wings based on actual leads of above materials

## 2 Note on GST rates on labour and materials and Contractor Profit and overhead charges

SL No	Description of Item		
1	All the labour rates in SSR and material rates (except Petrol & Diesel) in Cost data are exclusive of GST only. At the time of preparation of estimate, applicable Building workers welfare cess and applicable GST is to be applied on the final value of estimate.		
2	But for Petrol & Diesel, the rates are inclusive of VAT & Excise duty as per the current policy of Govt. of India.		
3	Rates of Cement, Reinforcement Steel and structural steel are exclusive of GST only and are communicated by Govt of AP on monthly basis.		
4	As on 1-9-2019 applicable Building workers welfare cess and GST on works is as below ( Estimates are to be revised as and when Government revises applicable Cess and GST rates)		
a)	Building workers welfare cess	1%	To be applied at the end of estimate but before GST.
b)	Rate of GST on works contract, applicable on estimate value + Building workers welfare cess	18%	To be applied at the end of estimate. GST rate from 1-7-2017 to till date

**Imp Note :- No provision is allowed towards Contractor profit and over head charges in respect of all Discom Electrical, Civil and Telecom works. Hence adding of extra percentage towards CP & OH in Electrical, Civil and Telecom estimates is not allowed from the date of issue of this SSR.**

### 3. Area Allowances

- a) 15% extra over the basic rates on labour component of works is allowed in all District head quarters for all special class and Municipal Corporations.
- b) 10% extra over the basic rates on labour component of works is allowed in minor municipalities.

**Note:-** Works within a belt of 12Km from the Municipal limits shall be taken into account for the purpose of allowing the extra percentage.

c) Agency/ Tribal Areas:-

- i. 25% extra is allowed for the works located inside the Agency/Tribal area.
- ii. 15% extra is allowed for the works located in the border of Agency/ Tribal area i.e., works located within a belt of 16km from the boundary of Agency/Tribal area.

**Note:-**

- i. The extra percentage on cost of material in agency / tribal area can be allowed on the labour component only, if they are manufactured in agency/ tribal area, itself except forest produced.
- ii. No extra percentage is permissible in respect of forest produce such as Bamboos, Rellu grass and for all materials obtained from outside the Agency/ Tribal area.
- iii. 20% extra rate is payable for soils such as hard gravel, murram in case of excavation of pits for erection of poles, joists etc.

## 4 Basic rates of Labour and hire charges of machinery

( As per AP Government Common Schedule of rates for the year 2019-20, effective from 1-6-2019)

### a) Basic rates of labour

	Part I (WATER RESOURCES DEPARTMENT WORK ITEMS)- Labour Rates-Common SoR 2019-20- Page No 6 to 9		
Sl no	Description of item	Unit	Rate in Rs
<b>1</b>	<b><u>Skilled Labour</u></b>		
<b>a</b>	Electrician (Licensed)	1 No	575
<b>b</b>	Bar bender	1 No	625
<b>c</b>	Work inspector with Non Technical qualification SSLC/ SSC/ HSC	1 No	520
<b>d</b>	Operator Crane/ Tower Crane/ Cable way/ Tipper/ dumper/ Lorry/ Bus/ Tanker/ Driller/ Drifter/ Blaster	1 No	570
<b>e</b>	Operator concrete vibrator	1 No	510
<b>f</b>	Mason/ Brick layer/ Tile layer 1st class	1 No	500
<b>g</b>	Carpenter/ Painter/ Plumber 1st class	1 No	580
<b>h</b>	Welder/ Gas cutter	1 No	510
<b>2</b>	<b><u>Semi Skilled Labour</u></b>		
<b>a</b>	Lineman Electric	1 No	460
<b>b</b>	Helper Crane/ Tower Crane/ Cable way/ Tipper/ dumper/ Lorry/ Bus/ Tanker	1 No	460
<b>c</b>	Helper Vibrator	1 No	460
<b>d</b>	Mason/ Brick layer 2nd class	1 No	460
<b>e</b>	Helper Carpenter/ Painter 2nd class	1 No	460
<b>3</b>	<b><u>Un Skilled Labour</u></b>		
<b>a</b>	Man/ Woman Mazdoor	1 No	420
<b>b</b>	Watch man	1 No	420

### b) Hire charges of machinery

	Part I (WATER RESOURCES DEPARTMENT WORK ITEMS)- Machinery Hire Charges – Common SoR 2019-20- Page No 44 to 47		
<b>1</b>	<b>Truck mounted derrick crane 5 Ton</b>		
	Hire charges	1 Hour	432.10
	Fuel charges	1 Hour	369.30
	Crew Charges	1 Hour	200.90
		<b>1 Hour</b>	<b>1002.30</b>
		<b>1 day</b>	<b>8018.40</b>
<b>2</b>	<b>Hydraulic Truck Crane 16 Ton</b>		

	Hire charges	1 Hour	1893.60
	Fuel charges	1 Hour	1282.40
	Crew Charges	1 Hour	601.50
		<b>1 Hour</b>	<b>3777.50</b>
		<b>1 day</b>	<b>30220.00</b>
<b>3</b>	<b>Hydraulic Truck Crane 30 Ton</b>		
	Hire charges	1 Hour	2574.10
	Fuel charges	1 Hour	1450.10
	Crew Charges	1 Hour	601.50
		<b>1 Hour</b>	<b>4625.70</b>
		<b>1 day</b>	<b>37005.60</b>
<b>4</b>	<b>Tractor (as per Local market rates)</b>		
	Hire charges + Crew Charges - 1500/- per day	1 day	1500.00
	Fuel Charges -	1 day	583.33
	Tractor hire charges	<b>1 day</b>	<b>2084.00</b>

Diesel cost per 1 Lt in Rs

70

Tractor mileage in KM for 1 lt

6 Km

Tractor utilised distance in KM

50 Km

<b>5</b>	<b>Concrete mixer 300 / 200 ( diesel)</b>		
	Hire charges	1 Hour	44.5
	Fuel charges	1 Hour	97.7
	Crew Charges	1 Hour	252.2
		1 Hour	394.4
<b>6</b>	<b>Needle vibrator 40 mm ( petrol )</b>		
	Hire charges	1 Hour	6.4
	Fuel charges	1 Hour	21.2
	Crew Charges	1 Hour	181.5
		1 Hour	209.1
<b>7</b>	<b>Batching plant 0.5 cum ( 6 Cum/hr)</b>		
	Hire charges	1 Hour	95.3
	Fuel charges	1 Hour	127.6
	Crew Charges	1 Hour	387.4
		1 Hour	610.3
<b>8</b>	<b>Air compressor 15 cmm/ hour</b>		
	Hire charges	1 Hour	115.4
	Fuel charges	1 Hour	1063.1
	Crew Charges	1 Hour	201.8
		1 Hour	1380.3
<b>9</b>	<b>Welding set</b>		
	Hire charges	1 Hour	14.4
	Fuel charges/ Power charges	1 Hour	102.1

	Crew Charges	1 Hour	0
		1 Hour	116.5

**c) Other items**

i)	Part II ROAD & BRIDGE WORKS- Rates of works-Common SoR 2019-20- Page No 21 &22		
ii)	Clearing of heavy jungle	32	10 sqm
iii)	Cutting and removing other kind of trees	33	1 No
iv)	Gelatin 80%	59	1 Kg
v)	Detonator electric	9	1 No
vi)	Water proof Cement paint	49	1 Kg
vii)	Water charges (urban)	107	1 KL
viii)	Water charges (Rural)	80	1 KL
ix)	Binding wire	55	1 Kg
xi)	Red Oxide Primer Paint/ black bitumen paint for iron works of Grade -1	121	1 Lt
x)	Ready mixed Synthetic Enamel paints in all shades Grade I	248	1 Lt
xi)	Aluminium paint Grade I	255	1 Lt
xii)	Labour charges for fabricating steel works like Window Grills, Compound Wall Grills, Iron Doors, Windows including cost of welding rods, power charges, excluding cost of fixing in position	27	1 Kg
xiii)	Hot dipped Galvanised Iron Chain link mesh 8 gauge - (4.0 mm) as per IS: 2721-1979: 2"x2" (50 mm x 50 mm) - 8 Gauge	404	1 sqm
xiv)	Oxygen gas @ 2.4 cum / t	40	1 cum
xv)	Acetylene gas @ 0.8 cum / t	306	1 cum

**d) Centering Charges**

i)	Footings		
	Material	1 cum	288
	Labour	1 cum	631
	Total	1 cum	919
ii)	Columns		
	Material	1 cum	355
	Labour	1 cum	2268
	Total	1 cum	2623
iii)	Beams		
	Material	1 cum	2085
	Labour	1 cum	1903
	Total	1 cum	3988
iv)	Slab up to 150mm thick		
	Material	1 cum	236
	Labour	1 cum	226
	Total	1 cum	462

DTR security fencing, with GI chain link mesh 8 gauge, 50x50x6 angle supports, 35x6 flat around, 25x6 flat inside supports

