

GULBARGA ELECTRICITY SUPPLY COMPANY LTD.
ESTIMATE FOR IMPLEMENTATION OF RURAL ELECTRIFICATION WORKS UNDER DDUGJY CARRIED OUT BY M/S NCC LIMITED, HYDERABAD AT
O&M SECTION KONCHAVARAM

(KONCHAVARAM-VENKATAPUR NEW) LOCATION Pedda Thanda, Ontigudesi Thanda, Onti Chinta Thanda, Sangapur, Antaram, Venkatapur, Dharma Sagar & Motimukh Thanda, SV Palli & Laxmisagar VILLAGE UNDER KONCHAVARAM-VENKATAPUR NEW FEEDER IN CHINCHOLI SUB

SL. NO	SUPPLY DWA SL.NO.	ERECTION DWA SL.NO.	PARTICULARS	UNIT	SUPPLY PORTION - PART-A			ERECTION PORTION - PART-B		
					QTY	RATE	AMOUNT	QTY	RATE	AMOUNT
						Rs.	Rs.		Rs.	Rs.
1	1	1	RCC Poles(Rectangle) 9 Mtr long with 145 Kg WL	Nos	264	7,422.901	19,59,645.80	62	1,697.395	1,05,238.48
2	2	2	PSC Poles(Rectangle) 9 Mtr long with 200 Kg WL	Nos	1022	4,249.333	43,42,818.01	1022	1,697.395	17,34,737.49
3	6		Double Pole TC Set for 63KVA & 25 KVA	Sets	25	11,727.209	2,93,180.22	25.00		
4	7		DP Sets -GI	Set	76	6,165.968	4,68,613.56	76.00		
5	8	8	11kV/433V, 25KVA, 3 Phase, 50 Cys Distribution Transformer BEE-4 Star Rated with Oil	No	16	68,680.261	10,98,884.18	16	1,092.097	17,473.56
6	9	9	11kV/433V, 63KVA, 3 Phase, 50 Cys Distribution Transformer BEE-4 Star Rated with Oil	No	9	1,18,394.080	10,65,546.72	9	1,092.097	9,828.88
7	11	11	Rabbit ACSR Conductor with 1.5% Sag	Kms	91.052	42,076.015	38,31,100.89	91.052	4,176.232	3,80,253.81
8	12	12	1.1kV Class 3 Phase Aerial Bunched Cable of size 3x95+1x16+1x70 Sqmm	kms	1.796	2,40,708.516	4,32,225.00	1.796	32,708.478	58,732.54
9	14		11kV Polymeric Pin Insulators with GI pin	Nos	2301	181.168	4,16,868.16	2,301.00		
10	15		45kN polymeric Disc Insulators	Nos	680	362.337	2,46,388.83	680.00		
11	16		No.15 Strain Polymeric Insulators	Nos	416	41.231	17,152.26	416.00		
12	17		PVC Insulated wire 16/25 Sqmm	Mtrs	440	40.557	17,844.95	440.00		
13	18		Al Lead Wire - 50 Sqmm	Mtrs	400	56.225	22,489.85	400.00		
14	19		Al Lead Wire - 95 Sqmm	Mtrs	360	102.454	36,883.36	360.00		
15	21	36	11kV Solid Core Type HG Fuse Unit-GI	Nos	75	344.428	25,832.09	25	677.357	16,933.92
16	22	37	11kV, 200Amps, Single Break GOS	Nos	27	8,684.831	2,34,490.45	27	1,018.437	27,497.80
17	23	38	Three Phase Distribution box for 6 Connections	Nos	55	2,580.086	1,41,904.72	55	861.508	47,382.94
18	24	39	11kV Lightning Arrester, Metal oxide, 9kV, 5kA	Nos	75	1,003.297	75,247.30	25	113.693	2,842.34
19	25	40	LT Protection Kit for 25 Kva & 63 kva	Nos	34	2,001.597	68,054.29	34	328.270	11,161.17
20	26	55	H frame for mounting 400/200A G.O.S-GI	Nos	2	4,590.429	9,180.86	2	305.851	611.70
21	28		GI Wire 8 SWG	Kgs	750.1	68.307	51,236.84	750.10		
22	29		Guy wire 7/10 SWG-GI	Kgs	2363	70.293	1,66,103.03	2,363.00		
23	30	32	Spiral Earth Electrodes-GI	Nos	1370	258.633	3,54,327.63	1370	88.072	1,20,659.15
24	31	34	GI Grounding pipe, B-Class, 40mm dia, 2.5 mtrs long, 2.9mm thick, with bolt, nut, GI strips and washers complete	Nos	75	1,595.530	1,19,664.76	75	917.554	68,816.55
25	32	54	EG Stirrups with GI wire lacing-GI	Nos	1359	231.146	3,14,127.01	679.5	158.530	1,07,721.32
26	33	16	11 Horizontal Cross Arms for RCC- GI	Nos	111	393.572	43,686.54	111	158.530	17,596.86
27	34	17	11 Horizontal Cross Arms for PSC- GI	Nos	966	393.572	3,80,190.96	966	158.530	1,53,140.24
28	35		HT ST Top supports-GI	Nos	1093	94.957	1,03,788.17	1,093.00		
29	38		Clamps for PSC poles-GI	Nos	1026	74.966	76,915.30	1,026.00		
30	39		Clamps for RCC poles-GI	Nos	111	83.712	9,292.06	111.00		
31	41		Anchor rods using 12 mm round/Guy rod-GI	Nos	416	268.629	1,11,749.58	416.00		

SL.NO.	OPPL Y DWA SL.NO.	ERECTION N DWA SL.NO.	PARTICULARS	UNIT	SUPPLY PORTION - PART-A			ERECTION PORTION - PART-B		
					QTY	RATE Rs.	AMOUNT Rs.	QTY	RATE Rs.	AMOUNT Rs.
32	42		Turn Buckle-GI	Nos	416	198.660	82,642.71	416.00		-
33	43		Guy Clamp-GI	Nos	416	82.463	34,304.52	416.00		-
34	44		GI fish plate	Nos	346	72.467	25,073.69	346.00		-
35	48		Copper Lugs - 50 Sqmm	Nos	64	37.483	2,398.92	64.00		-
36	49		Copper Lugs - 95 Sqmm	Nos	36	88.710	3,193.56	36.00		-
37	51		Spacers for DTC Wiring	Nos	200	47.479	9,495.72	200.00		-
38	52		PG Clamps for Rabbit Conductor-GI	Nps	299	94.957	28,392.19	299.00		-
39	54	49	Caution/Danger Board	No	482	149.932	72,267.39	482	76.863	37,048.04
40	55	57	Anti Climbing Device (12mtrs/1Kg GI Barbed wire) Lumpsum-GI	Kgs	583	79.964	46,618.97	583	40.033	23,339.18
41	56		Bolts and Nuts	Kgs	2995.92	106.202	3,18,172.94	2,995.92		-
42	57	21	c) LT Metering box with CTs and necessary wiring for housing ETV Meter including supply, installation of LT CT 50/5 A 1.0 class accuracy ring type, Vermin proof, weather proof LT metering BOX without Meter.(25KVA)	No	16	7,074.308	1,13,188.93	16	823.076	13,169.22
43	59	23	c) LT Metering box with CTs and necessary wiring for housing ETV Meter including supply, installation of LT CT 100/5 A 1.0 class accuracy ring type, Vermin proof, weather proof LT metering BOX without Meter(for 63KVA)	No	9	6,527.055	58,743.49	9	823.076	7,407.69
44	60		d) LT Electronic Tri-Vector Meter 5A, Class- 0.5/1.0 accuracy (25kva, 63kva&100KVA)	No	25	2,811.232	70,280.79	25.00		-
45	62	24	Suspension Clamp Assembly including pole clamps-GI	Sets	123	381.078	46,872.60	123	184.151	22,650.61
46	63	25	Dead End Clamp/Anchor Clamp Assembly including brackets, pole clamps-GI	Sets	61	163.676	9,984.25	61	184.151	11,233.23
47	64	42	Cable Straight thru' joint kits suitable for 95 Sqmm	Sets	14	387.325	5,422.55	14	307.453	4,304.34
48	65	27	Universal Hook, Bolts & nuts-GI	Nos	184	381.078	70,118.36	184	184.151	33,883.84
49	67	30	Piercing connector suitable for 16 Sqmm - 95 Sqmm AB Cable - Service Connections	Nos	220	284.871	62,671.72	220	123.301	27,126.29
50	68	31	Piercing connector suitable for 16 Sqmm - 95 Sqmm AB Cable - Street Light Connections	Nos	55	199.910	10,995.04	55	86.471	4,755.91
51	69	52	T-connector KZ3 95	Nos	4	422.309	1,689.24	4	208.171	832.68
52	94		Concreting for Guy sets without cement	Nos	416	174.921	72,767.17	416.00		-
53		6	a) 9 Mtr RCC DP Transformer Structure (Using 9 Mtr poles) supply, fabrication, installation of GI steel structure, Bolt nut and washer as per Drawing for 25kva & 63Kva DTC	No				25	6,589.415	1,64,735.37

SL.NO	SUPPLY DWA SL.NO.	ERECTION DWA SL.NO.	PARTICULARS	UNIT	SUPPLY PORTION - PART-A			ERECTION PORTION - PART-B		
					QTY	RATE Rs.	AMOUNT Rs.	QTY	RATE Rs.	AMOUNT Rs.
54		7	DP Structure with 9 Mtrs RCC(Rectangle) Poles includes supply, fabrication, installation of GI steel structure, Bolt nut, and washer as per Drawing	Set				76	5,207.479	3,59,316.06
55		20	Guy Set Complete(16mm) includes anchor Rod with one washer and nut, Anchor Plate (200mmx200mmx6mm), Turn Buckle & Eye Bolt with 2 nuts and Bow with welded angle-GI	Nos				416	566.866	2,14,275.28
56		41	b) LT Wiring (From DTC to LT Line Through Metering Box & LT Protection Kit) SINGLE CIRCUIT	No				38	909.547	30,924.61
57		44	d) LT Electronic Tri-Vector Meter 5A, Class- 0.5/1.0 accuracy (25kva & 63kva)	No				28	1,010.430	25,260.76
58	95	86	Raising Channel	Nos.	50	1,696.150	84,807.50	50	475.590	23,779.50
59		95	Digging of Poles pits (9 Mtr RCC/PSC Poles) (HARD ROCK)	Per Pit				1399	2,941.119	37,38,162.25
60		97	Digging of Stay pits (HARD ROCK)	Per Pit				416	1,522.095	5,75,351.91
61		99	Digging of GI Pipe Earthing (HARD ROCK)	Per Pit				83	3,557.148	2,66,786.10
TOTAL							1,81,58,830.33			85,90,807.93
ELECTRICAL INSPECTOR FEE										77,500.00
GRAND TOTAL										2,68,27,138.26

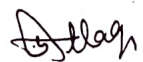
TYPICAL COST DATA SHEET FOR TURNKEY WORKS			
S.NO.	PARTICULARS	UNITS	AMOUNT
1	MATERIAL COST	A	1,81,58,830.33
2	LABOUR COST	B	85,90,807.93
3	GOVERNMENT ELECTRICAL INSPECTORATE CHARGES AND OTHER TENDER	C	77,500.00
NET COST OF ESTIMATE		D=A+B+C	2,68,27,138.26

REPORT

This Estimate is amounting for Rs. 18158830.33 for Supply portion, Rs. 8590807.93 for Erection Portion and Total amount Rs. 26827138.26 has been prepared for execution under DDUGJY scheme Location under KONCHAVARAM-VENKATAPUR NEW, KONCHAVARAM section, CHINCHOLI sub division O&M GESCOM, SEDAM division. It is proposed to draw HT Line 34 KM and LT Line 3 KM FEEDER SEPARATION line using 9 Mtr PSC & RCC poles, 16X25KVA, 9X63KVA. The project has been award to M/s NCC LIMITED vide DWA letter no: GESCOM/SEE(Projects) EEE(DDUGJY) /DWA / INDENT-753/2017-18 /39846-59 Dt. 09.11.2017. All the materials and labour charges provision has been made as per the DWA. Hence this estimate may kindly be sanctioned at an earliest.

CERTIFICATE:

Certified that I have personally visited the spot and got prepared this estimate as per DWA specifications for most safe and economical execution.


Assistant Engineer (Elec),
WORKS UNIT - O&M GESCOM,
SEDAM DIVISION, SEDAM


Assistant Executive Engineer (Elec),
WORKS UNIT - O&M GESCOM,
SEDAM DIVISION, SEDAM

ಗೌ.ವಿ.ಸ.ಕಂ.ನಿ., ಸೇಡಂ ವಿಭಾಗ
ಕೆ.ಎ.ಸಿ.ಯು. Yumaketh
ಶಿಕ್ಷಣಾಧಿಕಾರಿ ಸ.ಕಂ.ನಿ.ಯು. SM Rulhnd
ಶಿಕ್ಷಣಾಧಿಕಾರಿ 14.187
ಕಾರ್ಯದರ್ಶಿ ಸಂಖ್ಯೆ H-29681/26/03/2020
ಆಂದಾಜು ದೆಕ್ಕಾ ರೂ. 2,68,27,138.26
ಅಕ್ಷರದಲ್ಲಿ Two Lakhs Sixty eight thousand Seven hundred thirty eight Rupees
M.Haniff (RRA)
ಶಿ.ಆ. ಸ.ಕಂ.ನಿ.ಯು. ಶಿಕ್ಷಣಾಧಿಕಾರಿ
ಕಂ.ನಿ.ಆ.ಯು. (ಇ) Page 3 of 3

DDUGY WORKS IN GESCOM, GULBARGA DISTRICT

NAME OF DIV: SEDAN

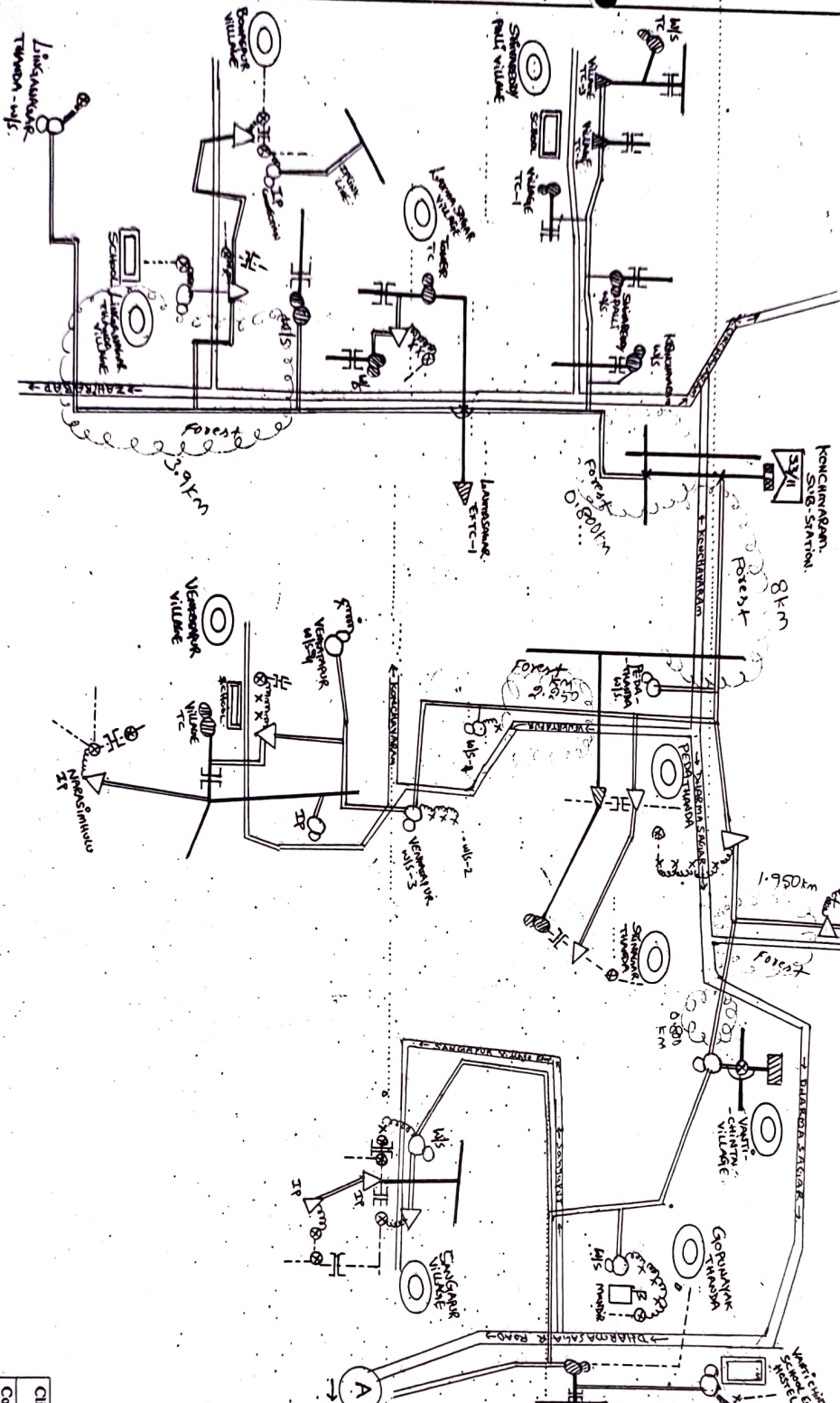
NAME OF THE SS: KONCHAVARAM

NAME OF SUB-DIV: CHINCHOLI

NAME OF THE FEEDER: VENKATAPUR R

NAME OF THE SECTION: KONCHAVARAM

NAME OF THE VILLAGE/LOCATION:



LEGEND

Sl. No.	Symbol	Description	Unit	Qty.
1	—	Ex HT Line (V)	Km	
2	—	New HT Line	Km	58.583
3	—	Rec HT Line	Km	
4	⊗	Ex HT Pole	No.	
5	⊗	Prop HT Pole	No.	
6	⊗	Ex DP	Set	
7	⊗	Prop DP	Set	
8	⊗	Ex DTR - 100 KVA	No.	
9	⊗	Ex DTR - 63 KVA	No.	
10	⊗	Ex DTR - 25 KVA	No.	
11	⊗	Prop DTR - 100 KVA	No.	
12	⊗	Prop DTR - 63 KVA	No.	13
13	⊗	Prop DTR - 25 KVA	No.	19
14	⊗	Ex LT Line (S)	Km	
15	⊗	Ex LT Line (V)	Km	
16	⊗	Prop AB Cable	Km	
17	⊗	Ex LT Cable	Km	
18	⊗	Ex LT Pole	No.	
19	⊗	Prop LT Pole	No.	
20	⊗	Prop Day set	Set	
21	⊗	Prop Stand Pole	No.	
22	⊗	Ladder Tower	No.	
23	⊗	Ex Day Set	Set	
24	⊗	Ex Stand Pole	No.	
25	⊗	Road Crossing	No.	
26	⊗	Rail Crossing	No.	
27	⊗	River / Canal Crossing	No.	
28	⊗	Temple	No.	
29	⊗	School or Govt Building	No.	

Client	G	GESCOM
Contractor	NCC	NCC Limited
Project	DDUGY- GULBARGA	
LOI no &	GESCOM/EE/CP/EE/EN/17-	
Date	18/07/84 DE 15.07.17	
Description of Work	NEW 11KV LINE	

Project Engineer (Elec.)
For **NCC**
GULBARGA

J. A. L.
GESCOM

Asst. Exe. Engineer
GESCOM

Executive Engineer (Elec.)
GESCOM
O & M Division,
GESCOM, SEDAN.

NAME OF DIV: SEDAM
NAME OF THE SS: KONCHAVARAM

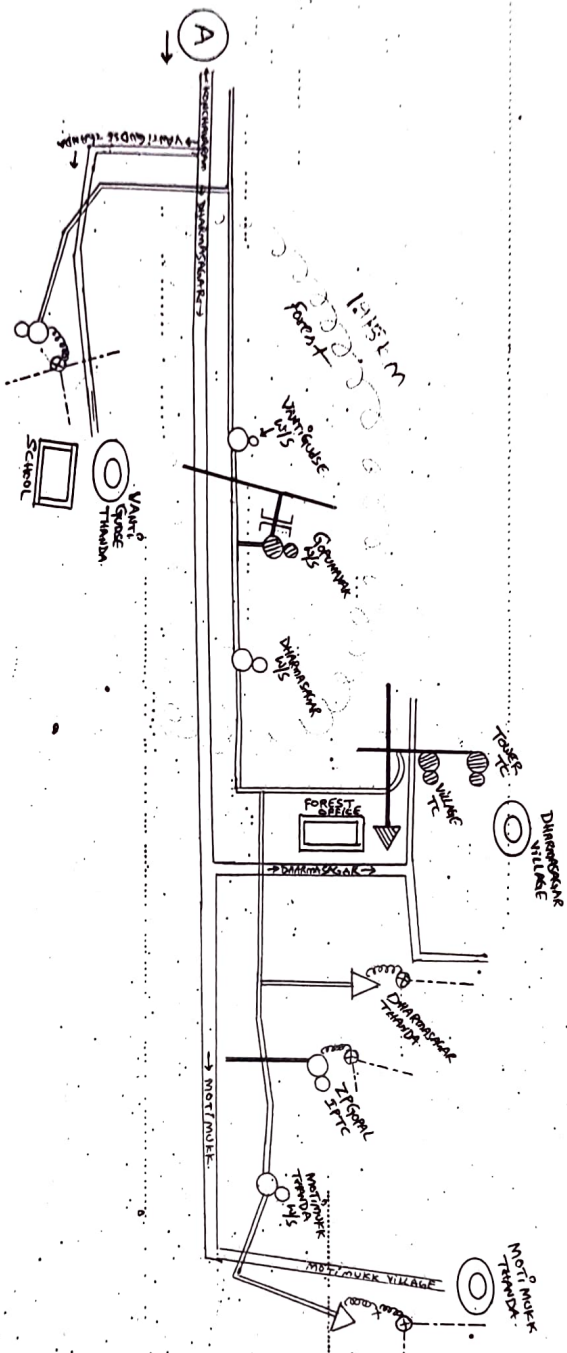
NAME OF SUB-DIV: CHINCHOLI
NAME OF THE FEEDER: VENKATA PUR R

NAME OF THE SECTION: KONCHAVARAM
NAME OF THE VILLAGE/LOCATION: _____

DDUGJY WORKS IN GESCOM, GULBARGA DISTRICT

LEGEND

Sl. No.	Symbol	Description	Unit	Qty.
1	—	Ex.H.T Line (W)	Km	
2	==	New H.T. Line	Km	
3	---	Rec.H.T. Line	Km.	
4	⊗	Ex.H.T. Pole	No.	
5	X	Prop.H.T. Pole	No.	
6	⊗	Ex.DP	Set	
7	X X	Prop.DP	Set	
8	▨	Ex.DTR - 100 KVA	No.	
9	▨	Ex.DTR - 63 KVA	No.	
10	⊗	Ex.DTR - 25 KVA	No.	
11	⊗	Prop.DTR - 100 KVA	No.	
12	△	Prop.DTR - 63 KVA	No.	
13	⊙	Prop.DTR - 25 KVA	No.	
14	—	Ex.L.T Line (S)	Km.	
15	—	Ex.L.T Line (W)	Km.	
16	⊗	Prop.AB Cable	Km.	
17	⊗	Conversion AB Cable	Km.	
18	⊗	Ex.L.T Pole	No.	
19	X	Prop.L.T Pole	No.	
20	X	Prop.Stay set	Set	
21	X	Prop.Stud Pole	No.	
22	△	Lattice Tower	No.	
23	⊗	Ex.Stay Set	Set	
24	X	Ex.Stud Pole	No.	
25	≡	Road Crossing	No.	
26	≡≡	Rail Crossing	No.	
27	≡	River/Canal Crossing	No.	
28	⊗	Temple	No.	
29	⊗	School or Govt Building	No.	



J.E./A.E.
GESCOM

Asst. Exe. Engineer
GESCOM

Executive Engineer (Elec.)
GESCOM
O & M Division

Client	GESCOM
Contractor	NCC NCC Limited
Project	DDUGJY - GULBARGA
LOI no &	GESCOM/CEE(CP)/EE(ND)/17-
Date	18/7/24-16 Dec 15/07/17
Description of Work	NEW 11KV LINE