

दिल्ली ट्रांसको लिमिटेड

(दिल्ली सरकार का उपकम)

DELHI TRANSCO LIMITED

(A Govt. of NCT of Delhi Undertaking)

CORPORATE IDENTIFICATION NUMBER (CIN) - U40103DL2001SGC111529

No. F.DTL/203/F-1 1/2021-22/Oprn. GM(C&RA)/ る

Date: 2 / /06/2021

The Secretary
Delhi Electricity Regulatory Commission
Viniyamak Bhawan, C-Block, Shivalik
Malviya Nagar
New Delhi-110 017

Subject: Regarding submission of Revised Assets Capitalization for FY 2021-22.

Reference: DTL Letter No. F.DTL/203/F-01/2021-22/Oprn. GM(C&RA)/31 dated 17.06.2021

Sir

In continuation to the above mentioned referenced letter, it is submitted that DTL has revised its projections for Assets Capitalization for FY 2021-22 to Rs. 690.35 Crore. The list of the schemes proposed to be capitalized in FY 2021-22 along with the relevant ARR formats are enclosed as **Annexure-I**.

Hon'ble Commission is therefore requested to kindly consider the same while approving the ARR for FY 2021-22.

Thanking you

Yours Sincerely

(K. M. Lal) General Manager(C&RA)

Enclosure: As above



कार्यालय: महाप्रबंधक (वाणिज्यिक और विनियामक कार्य), 33 के वी ग्रिड सब स्टेशन बिल्डिंग, आई पी एस्टेट, नई दिल्ली - 110002 Office: General Manager (Commercial & Reg. Affairs) 33 KV Grid

S/Station Building, IP Estate, New Delhi-110002

पंजीकृत कार्यालयः शक्ति सदन, कोटला मार्ग, नई दिल्ली - 110 002 Registered office : Shakti Sadan, Kotla Road, New Delhi - 110 002

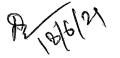
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FORM-4

Revised Details of Capital works envisaged for 2021-22 in respect of Planning Deptt.

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		Revised	Detai	ls of Capi	<u>tal work</u>	<u>s envisaged</u>	<u> </u>	<u> 21-22 in re</u>	spect of I	<u> Planni</u>	ng Dep	<u>ott.</u>						
														ate (In C				
S.No.	Particulars	Freehold Land	Lease hold Land	Building & Other Civil works		Sub-Station equipments	PLCC	TOTAL	Notional Loan	Notion al Equity	TOTAL	Debt- Equity Ratio	Debt	Equity	TOTA L	Cumula tive amount of Deprici ation	lative Repay ment	Initial Spares
1	220kV S/C LILO of Electric Lane to Park Street at Dev Nagar				75.68			75.68					,					0.71
2	220kV D/C underground cable from Dwarka to PPK-II				83.39			83.39										0.70
3	33KV GIS conversion at Okhla					24.99		24.99										0.45
4	220/33kV GIS at Timarpur					61.79		61.79					-					2.05
5	02 nos 100 MVA Pr.Tr. at Timarpur S/Stn.					15.82		15.82										0.00
6	66kV AIS to GIS conversion at Gopalpur					35.20		35.20	s.				•					0.91
	Establishment of 500 MVA Tr. Bay and 25 MVAR bay at Bamnauli, 125 & 25 MVAR bay at Tikri kalan, 25 MVAR reactor bay at IP.				24.80			24.80										
8	50 MVAR Reactor at Peeragarhi & Harsh Vihar				23.52			23.52										0.59
9	220 kV D/C U/G from Kashmere Gate- Timarpur				66.86			66.86										0.82
10	220 kV D/C U/G from Tughlkabad - Masjid Moth				100.78			100.78										0.72
11	Land Cost				25.00			25.00										
12	Road Restoration Charges				8.60			8.60										
	Spill Over Project						,											
13	Single circuit underground cable (Lodhi Road -Park street-Electric Lane-Lodhi Road)				120.00			120.00										0.58
14	Other Capital works proposed by O&M Deptt.				23,918	·		23.918										
	Total							690.35				1						



ANNEXURE-1

69038.20

Revised Details of Capital works envisaged for 2021-22 in respect of Planning Deptt.

Total

Cost Estimate (In Rupees Lakhs) S.N. Foreign Exchange contigency @ 5.25%, rate Price level Capital cost excluding IDC,IEDC & Engg. & Capital cost including considered IDC,IEDC,FC,FERV&Hedging cost Schedule of Commissioning Particulars of Approved for the FC Admin. IDC,IEDC,FC,FERV&Hedging cost Estimates Capital Charges @ 8.5% cost estimates 10 12 14 15 COD of COD of Transmi COD of last Transmiss Transmissio Capital cost ssion Foreig Total Capital cost ion system excluding system n system DC.EDC. 2/Transmi Foreign Domestic **Domestic** Rate of taxes Foreign including IDC.IEDC. Domestic 1/Trans Transmissio Compo FC.FERV IDC.IEDC.FC Component Componen Compone and duties Compone ssion FC,FERV& Component mission , if any &Hedging considered nt, if any FERV&Hedgi element2/ nent. nt Hedging element1 element/com if any cost communic ng cost munication cost commun/ ation ication system system2 system1 220kV S/C LILO of Electric Lane 5986.33 5986,33 7568,17 7568.17 to Park Street at Dev Nagar 758.72 758.72 823.12 220kV D/C underground cable from 464.29 7016.29 7016.29 464.29 859.16 8339.74 8339.74 Dwarka to PPK-II 2074.85 2074.85 139.14 139.14 285.29 2499.28 2499.28 33KV GIS conversion at Okhla 220/33kV GIS at Timarpur 4962.02 4962.02 535.11 535.11 682.28 6179 41 6179.41 02 nos 100 MVA Pr.Tr. at Timarpur 1333.16 1333,16 65.40 65,40 1581.87 1581.87 183,31 5 S/Stn. 220 kV D/C U/G from Kashmere 5369,05 5369.05 579.00 579,00 738.24 6686.29 6686.29 Gate-Timarnur 220 kV D/C U/G from 10078,31 8252.40 8252.40 691.21 691.21 1134.7 10078.31 Tughlkahad - Masiid Moth 66kV AIS to GIS conversion at 2923.04 2923.04 196.02 196.02 401.91 3520.97 3520.97 Gopalpur Establishment of 500 MVA Tr. Bay and 25 MVAR bay at Bamnauli, 125 & 2090.11 2090,11 102,53 102.53 287.39 2480.03 2480.03 25 MVAR bay at Tikri kalan, 25 MVAR reactor bav at IP. 50 MVAR Reactor at Peeragarhi & 1982.49 97.25 97.25 272.59 2352.33 2352.33 1982.49 Harsh Vihar 2500,00 11 Land Cost 860.00 12 Road Restoration Charges Spill Over Project Single circuit underground cable (Lodhi 12000.00 13 Road -Park street-Electric Lane-Lodhi Other Capital works proposed by 2391.80 O&M Deptt.



No. of additinal bays at each Sub-station proposed in 2021-22

De	tails of the Substation Schemes proposed									No. of	bays					·				
S.No.	Name of Schemes		400kV				220k	V					66kV					33kV		
5.110		Tr. Bay	Reactor Bay	Total	Tr. Bay	Reacto r Bay	Feeder Bay	B/C	B/S	Total	Tr. Bay	Feeder Bay	B/C	B/S	Total	Tr. Bay	Feeder Bay	B/C	B/S	Total
1	Establishment of 500 MVA Tr. Bay and 25 MVAR bay at Bamnauli, 125 & 25 MVAR bay at Tikri kalan, 25 MVAR reactor bay at IP.	1	1	2		3			1	3										
2	220/33kV GIS at Timarpur			I	3		4	1		8						3	12	1		16
3	33KV GIS conversion at Okhla(Add. Bays)											ļ				_1	2	1	2	6
4	66kV AIS to GIS conversion at Gopalpur		Ī							<u> </u>	2	10	1		13					<u> </u>
5	50 MVAR Reactor at Peeragarhi & Harsh Vihar					1+2				3										
	Total		<u> </u>	2						14					13					22

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Length of Transmission lines proposed to be added for the year 2021-22

	Name of proposed Schemes	Length (in ckt. Km)
S.No.		400kV	220kV
1	220kV S/C LILO of Electric Lane to Park Street at Dev Nagar		11
2	220kV D/C underground cable from Dwarka to PPK-II		11
3	220 kV D/C U/G from Kashmere Gate-Timarpur		10
3	220 kV D/C U/G from Tughlkabad -Masjidmoth		14
4	Single circuit underground cable (Lodhi Road -Park street-Electric Lane-Lodhi Road) (Approx. ckt km length)		53
	Total		99

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Name of Scheme	220kV S/C LILO	of Electric I	Lane to Park	Street at Dev Nag	gar					<u>FORM- 13</u>
	*Plant & Machinery			contigency @ 5.25%, Engg. &		vise Capi o cutoff		(Amount in		res claimed
Particulars	cost(excluding IDC&IEDC) upto DOCO	#IDC	IEDC	Admin. Charges @ 8.5%	Year-1	Year-2	Year-3	Total Cost	Amount	%
Transmission Line	5986.33	758.72	•	823.12				7568.17	71.00	0.94%
Transmission (Green Field/Brown								,		:
PLCC									7	
HVDC Station										
S/Stn.			•							
Communicatio n System										

Erection, Testimg, Commissioning, Civil Work, Type Testing, Training and Spare Cost.



IDC is assumed @ 10% of the Capital cost.

Name of Scheme	220kV D/C underg	ground cabl	e from Dwarl	ka to PPK-II						FORM- 13
								(Amount in		
	*Plant &			contigency @ 5.25%, Engg. &		vise Capi o cutoff o			Initial Spa	res claimed
Particulars	Machinery cost(excluding IDC&IEDC) upto DOCO	#IDC	IEDC	Admin. Charges @ 8.5%, Road Restoration charges	Year-1	Year-2	Year-3	Total Cost	Amount	%
Transmission Line	7016.29	464,29		859.16				8339.74	70.00	0.84%
Transmission (Green Field/Brown			,							
PLCC										
HVDC Station										
S/Stn.										
Communicati on System	i									1

Erection, Testimg, Commissioning, Civil Work, Type Testing, Training and Spare Cost.



IDC is assumed @ 10% of the Capital cost.

								(Amount in Rs.	. такп)		
n	*Plant & Machinery cost(excluding	//TD-C	TED C	contigency @ 5.25%, Engg. &		se Capital l cutoff date			Initial Spares claimed		
Particulars	IDC&IEDC) upto DOCO	#IDC	IEDC	Admin. Charges @ 8.5%	Year-1	Year-2	Year-3	Total Cost	Amount	%	
Transmission											
Line											
Transmission											
(Green											
Field/Brown		İ					İ				
Field)											
PLCC											
HVDC Station											
S/Stn.	2074.85	139.14		285.29				2499.28	45.00	1.80%	
Communication											
System	1					1	1	l	I	l	

Plant & Machinery cost includes Material, Erection,
Testimg, Commissioning, Civil Work, Type Testing,
Training and Spare Cost.

IDC is assumed @ 10% of the Capital cost.

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(Amount in Rs. Lakh)

								(Amount in Rs.	Lakii)	
	*Plant & Machinery cost(excluding			contigency @ 5.25%, Engg. &	&			Initial Spares claime		
Particulars	IDC&IEDC) upto DOCO	#IDC	IEDC	Admin. Charges @ 8.5%	Year-1	Year-2	Year-3	Total Cost	Amount	%
Transmission Line										
Transmission (Green Field/Brown Field)									,	
PLCC										
HVDC Station					·	:				
S/Stn.	4962.02	535.11		682.28				6179.41	205.00	3.32%
Communication System							,			

Plant & Machinery cost includes Material, Erection,
Testimg, Commissioning, Civil Work, Type Testing,
Training and Spare Cost.

IDC is assumed @ 10% of the Capital cost.

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ı	Am	ounf	in	Rs.	Lakh)
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								(Amount in As.	Lakin		
n. z. I	*Plant & Machinery cost(excluding	#IDC	IEDC	contigency @ 5.25%, Engg. &		se Capital l cutoff date			Initial Spares claimed		
Particulars	IDC&IEDC) upto DOCO	#1100	IEDC	Admin. Charges @ 8.5%	Year-1	Year-2	Year-3	Total Cost	Amount	%	
Transmission Line	5369.05	579.00		738.24				6686.29	55.00	0.82%	
Transmission											
(Green											
Field/Brown				,							
Field)											
PLCC											
HVDC Station			·					· · · · · · · · · · · · · · · · · · ·			
S/Stn.										,,	
Communication System											

Plant & Machinery cost includes Material, Erection,
Testimg, Commissioning, Civil Work, Type Testing,
Training and Spare Cost.

IDC is assumed @ 10% of the Capital cost.



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								(Amount III IXS.			
Deschar	*Plant & Machinery cost(excluding	#DC	#DC EDC 5.2	contigency @ 5.25%, Engg. &		se Capital I cutoff date		- Total Cost	Initial Spares claimed		
Particulars	IDC&IEDC) upto DOCO	#IDC	IEDC	Admin. Charges @ 8.5%	Year-1	Year-2	Year-3	Total Cost	Amount	%	
Fransmission Line	8252.40	691.21		1134.70				10078.31	72.84	0.72%	
Transmission (Green											
Field/Brown		•									
Field) PLCC								-	<u></u>		
HVDC Station									=		
S/Stn.											
Communication System											

Plant & Machinery cost includes Material, Erection,

* Testimg, Commissioning, Civil Work, Type Testing,

Training and Spare Cost.

IDC is assumed @ 10% of the Capital cost.

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(Amount in Rs. Lakh)

								(Exmount in 172)	waxay		
	*Plant & Machinery cost(excluding	#IDC IEDC	contigency @						Total Cost	Initial Spares claimed	
Particulars	IDC&IEDC) upto DOCO	#IDC	IEDC	Admin. Charges @ 8.5%	Year-1	Year-2	Year-3	Total Cost	Amount	%	
Transmission										*	
Line Transmission (Green Field/Brown											
Field) PLCC				:					:		
HVDC Station		-									
S/Stn.	2923.04	196.02		401.91				3520.97	91.00	2.58%	
Communication System											

Plant & Machinery cost includes Material, Erection,
Testimg, Commissioning, Civil Work, Type Testing,
Training and Spare Cost.

IDC is assumed @ 10% of the Capital cost.

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(Amount	in	Rε	La	lzh)
CALIDODIL	ш	NS.	La	KII)

								(Amount in Rs.	Lakn)	
70. 41. I	*Plant & Machinery cost(excluding	ding #IDC IEDC 5.25%, Engg. & Admin. Charges	Year wise Capital Exp upto cutoff date			Total Cost	Initial Spares claimed			
Particulars	IDC&IEDC) upto DOCO		Admin. Charges	Year-1	Year-2	Year-3	Total Cost	Amount	%	
Transmission Line	1982.49	97.25	×.	272.59				2352.33	59.00	2.51%
Transmission (Green Field/Brown			-							
Field) PLCC										
HVDC Station										
S/Stn.										· · · · · · · · · · · · · · · · · · ·
Communication System										

Plant & Machinery cost includes Material, Erection,

* Testimg, Commissioning, Civil Work, Type Testing,
Training and Spare Cost.

IDC is assumed @ 10% of the Capital cost.

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2 nos 100 MVA Power Tr. For Timarpur S/Stn.

PART 'A' :- Total PO Cost:

S.No.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT (RS.)
1	TOTAL				133316400.00
	Total of Part 'A'				133316400.00

Material cost 133316400.00 Contigency + Engg. 18331005.00 & Admin. Charges IDC 6540268.24 Total cost 158187673.24 spares

Part 'B':- Contingency & Other Charges:

S.No.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT (RS.)
1	Contingencies @ 3% on Part 'A'				3999492
2	Misc. Tools & Plants @ 1% on Part 'A'				1333164
3	Maintenance During Construction @ 1% on Part 'A'				1333164
4	Losses on Stock @ 0.25% on Part 'A'				333291
	Total of Part 'B'				6999111

PART 'C':- Engineering & Administrative Charges:

S.No.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT (RS.)
1	Engg. & Admn. Charges @ 8.5% on Part 'A'				11331894.00
	Total of Part 'C'				11331894.00
	TOTAL OF PART ('A'+'B'+'C')				151647405.00

S.No.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT (RS.)
1	Interest During Construction (IDC) for 9 Month @10% per annum on recurring expenditure of Total cost (on Total of Part 'A'+'B'+*C')			The production of the stage of	6540268.24
	Total of Part 'D'				6540268.24
	TOTAL OF PART ('A'+'B'+'C'+'D')				158187673.24



220kV XLPE Cable Tughlakabad to Masjid Moth PO

PART 'A' :- Total PO Cost :

S.No.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT (RS.)
1	TOTAL				825240317.38
	Total of Part 'A'				825240317.38

Material cost	825240317.38
Contegency + Engg. & Admin. Charges	113470543.64
IDC	69121737.28
Total cost	1007832598.30
spares	7284377.18

Part 'B':- Contingency & Other Charges:

S.No.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT (RS.)
1	Contingencies @ 3% on Part 'A'				24757209.52
2	Misc. Tools & Plants @ 1% on Part 'A'				8252403.174
3	Maintenance During Construction @ 1% on Part 'A'		,		8252403.174
4	Losses on Stock @ 0.25% on Part 'A'		·		2063100.793
	Total of Part 'B'				43325116.66

PART 'C':- Engineering & Administrative Charges:

S.No.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT (RS.)
1	Engg. & Admn. Charges @ 8.5% on Part 'A'				70145426.98
	Total of Part 'C'				70145426.98
	TOTAL OF PART ('A'+'B'+'C')				938710861.02

PART 'D' :- Interest During Construction:

S.No.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT (RS.)
1	Interest During Construction (IDC) for 15 Month @10% per annum on recurring expenditure of Total cost (on Total of Part 'A'+'B'+'C')				69121737.28
	Total of Part 'D'				69121737.28
	TOTAL OF PART ('A'+'B'+'C'+'D') — ——		and the same		1007832598.30

82/18/6/21