



HYDERABAD ELECTRIC SUPPLY COMPANY

OFFICE OF THE CHIEF FINANCIAL OFFICER HESCO

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HESCO, HYDERABAD

NO: CFO/HESCO/CPC/256/9

Dated 30-03-2023

The Registrar,

National Electric Power Regulatory Authority, NEPRA Tower, Attaturk Avenue (East), Sector G-5/1,

<u>Islamabad.</u>

Subject:

APPLICATION FOR ANNUAL INDEXATION / ADJUSTMENT OF TARIFF FOR

THE FY 2023-24 UNDER MYT DETERMINATION DATED JUNE 02, 2022

Dear Sir,

In furtherance of current notified tariff vide S.R.O No. 1166(I)/2022 dated 25.07.2022, consequent upon determination of the Authority in respect of HESCO dated June 02, 2022, HESCO is submitting this application for Annual Indexation / Adjustment of Tariff for the FY 2023-24 in compliance with the directions of the Authority in the determination.

We shall be grateful if the Authority shall give due consideration to our application to allow necessary Indexation / Adjustments for the FY 2023-24 in the light of tariff determination in vogue. The application is supported with all requisite data and supporting material.

In case any further clarification is required, please intimate.

With best regards,

TARIFF (DEPARTMENT)

For information & n.a, please.
• ADG (Tariff)

ADG (Tariff) Copy to:

DG (M&E) CC: Chairman

- M/F

M (Tariff)

CHIEF EXECUTIVE OFFICER
HESCO, HYDERABAD

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BEFORE THE NATIONAL ELECTRIC POWER REGULATORY AUTHORITY (NEPRA)

HYDERABAD ELECTRIC SUPPLY COMPANY LIMITED



APPLICATION FOR ANNUAL INDEXATION / ADJUSTMENTS OF TARIFF

FOR THE FY 2023-24

AS PER NOTIFIED TARIFF

VIDE SRO NO. 1166(I)/2022 DATED 25.07.2022

AS A CONSEQUENCE OF NEPRA DETERMINATION DATED 02.06.2022

March 30, 2023

HYDERABAD ELECTRIC SUPPLY COMPANY LIMITED

Address

: HESCO HEADQUARTERS, HUSSAINABAD, HYDERABAD

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1. Petitioner

- 1.1 Hyderabad Electricity Supply Company Limited (HESCO) is an Ex-WAPDA Distribution Company (DISCO) owned by the Government of Pakistan (GOP) and incorporated as a Public Limited Company on 23rd April, 1998 vide company registration No. L09436 of 1997-98 under section 32 of the repealed Companies Ordinance 1984.
- 1.2 Principal business of HESCO is to provide electricity to the thirteen districts of Sindh including Hyderabad, Matiari, Shaheed Benazirabad, Sanghar, Mirpurkhas, Tharparkar, Tando Allah Yar, T. M. Khan, Badin and Thatta under distribution license No. No. 05/DL/2002 granted by NEPRA (the Distribution License).

2. Background

- 2.1 Hyderabad Electric Supply Company Limited (HESCO) being a Distribution as well as deemed Supplier filed separate Tariff Petitions for determination of its Distribution and Supply of Electric Power Tariff under the MYT Regime for a period of five years i.e. from FY 2020-21 to FY 2024-25, in terms of Rule 3(1) of Tariff Standards & Procedure Rules-1998. The Tariff Petitions were admitted by the Authority and Public Hearing in the matter was conducted on 16.12.2021.
- 2.2 Thereafter, the Authority determined tariffs of HESCO on June 02, 2022 which were notified by GOP vide S.R.O No. 1166(I)/2022 dated 25.07.2022 and are still effective to recover the cost from end consumers of HESCO.
- 2.3 Being cognizant of the fact that the FY 2020-21 and 2021-22 would have already elapsed and indexation / adjustment for the FY 2022-23 would have become due by the time the determination would be notified, the Authority, in order to ensure timely recovery of allowed cost, decided to allow indexation / adjustment for the FY 2021-22 and 2022-23 upfront in the said determination. For future indexations / adjustments the Authority directed to submit annual adjustment / indexation requests by February every year.
- 2.4 Therefore, in compliance of the directives of the Authority, HESCO is hereby submitting its annual indexation / adjustment of tariff request for the FY 2023-24. In this regard the Authority is requested to condone the delay in the submission of said indexation / adjustment petition please.

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- Salient Features of the Application 3.
- Following is the summary of submissions of HESCO before the Authority for indexation / adjustment of tariff for the FY 2023-24:

	Determine	Pro	ected FY 202	3-24		
Description	ption d FY 2022- 23 SOP		DOP	Total		
Distribution Margin	Rs. In Million					
O&M Cost						
Pay & Allowance	7,335	927	6,203	7,129		
Post Retirement Benefit	3,016	529	3,537	4,066		
Repair & Maintenance	799	19	917	935		
Travelling Allowance	314	48	319	367		
Vehicle Expenses	185	22	194	216		
Other Expenses	346	198	206	405		
Sub Total	11,995	1,742	11,376	13,118		
Depreciation Expense	1,638	1	2,370	2,372		
RORB	3,529	2	5,873	5,875		
Other Income	(2,052)	(474)	(1,161)	(1,635)		
Net Distribution Margin	15,110	1,271	18,459	19,729		
Prior Year Adjustment	1,580	38,009	-	38,009		
Total	16,690	39,279	18,459	57,738		

- Distribution Margin 4.
- 4.1 **Operation and Maintenance Expenses:**
- 4.2 For uncontrollable expenses i.e. Pay & Allowances and Post-Retirement Benefits 10% increase has been estimated based on the budgeted / estimated expenditure for the FY 2022-23 as under:

	FY 20	FY 2022-23		
Description	NEPRA Determined Budgeted / Indexed Estimated Cost		Estimated / Projected	
O&M				
Salaries & Other Benefits	7,336	6,481	7,129	
Post-Retirement Benefits	3,016	3,696	4,066	
PM Assistance Package	-	500	-	
Total ERE	10,352	10,677	11,195	



4.3 ECC of the cabinet approved adjustment of employees of GENCOs Power Plants under closure with following stipulations:

"It is proposed that 2,368 Pensioners of GENCOs may be adjusted in their pension disbursing DISCOs or WAPDA. Similarly, 1,753 employees of these plants would be adjusted in DISCOs. Pensions of these employees will be paid by the relevant DISCOs on their retirement according to rules of the relevant DISCOs. In turn the respective DISCOs and WAPDA would claim adjustment of the same from NEPRA in their tariffs."

- In light of the above decision 774 No. pensioners of GENCOs have been transferred to HESCO during the FY 2021-22 with total financial impact of Rs. 301 million. Further, the Authority determined reference cost for the FY 2020-21 on account of Post-Retirement Benefits amounting to Rs. 2.5 billion was on the lower side as actual benefits paid as per Audited Accounts for the Base Year of FY 2019-20 were Rs. 2.49 Billion. Therefore, due to lower determination of reference cost, the indexation for the subsequent financial years also remained on the lower side. Therefore, for being the uncontrollable cost, the Authority is requested to allow the under allowed costs as PYA besides incorporating the impact in the upfront indexation for the FY 2023-24. Furthermore, projections have not been made for PM Assistance Package for the FY 2023-24 in view of the Authority's decision to allow the same on actual basis as PYA.
- 4.5 For controllable expenses i.e. Repair & Maintenance, Travelling Allowance, Vehicle Expenses and Other Expenses the figures have been indexed in line with the adjustment mechanism defined by the Authority in the MYT determination which is as under:

O&M Expenses = Ref. O&M Cost * [1 + (CPI – X Factor)]

4.6 For the purpose of indexation, the CPI has been calculated as 24.47% for the month of December 2022. As per the determination, the Authority, in line with its decisions in the matter of XWDISCOs which have been allowed MYTs, had decided to keep the efficiency factor 'X', as 30% of increase in CPI for the relevant year of the MYT control period. The Authority further decided to implement the efficiency factor from the 3rd year of the control period, in order to provide the Petitioner with an opportunity to improve its operational performance, before sharing such gains with the consumers. Therefore, for



being the third year of the MYT control period, and in line with the Authority's decision, X-Factor has been taken at 30% of CPI increase i.e. 7.34% in the instant case.

4.7 **Depreciation:**

4.8 For the purpose of indexation of Depreciation Expense, the Authority's determined formula has been used which is as under:

Where:

DEP (Rev) = Revised Depreciation Expense for the Current Year

DEP (Ref) = Reference Depreciation Expense for the Reference Year

GFAIO (Rev) = Revised Gross Fixed Assets in Operation for the Current Year

GFAIO (Ref) = Reference Gross Fixed Assets in Operation for the Reference Year

4.9 Indexation of Depreciation for the FY 2023-24 has been based on the following data:

	2020-21	2020-21	2021-22	2022-23	2023-24
Particulars	Reference Determined	Audited	Provisional	Projected	Projected
Gross Fixed Assets O/B	54,130	54,130	55,785	57,416	80,602
Addition	3,086	1,655	1,631	23,186	23,695
Gross Fixed Assets C/B	57,216	55,785	57,416	80,602	104,297
Allowed Investment	2,227	2,227	11,932	20,686	21,195
Actual investment		2,514	3,150	20,686	21,195
Under/(Over) Investment		(287)	8,782	-	-

4.10 Return on Rate Base (RORB):

4.11 For the purpose of indexation of RORB, the Authority's determined adjustment mechanism has been used which is as under:

RORB (Rev) = RORB (Ref) * RAB (Rev) / RAB (Ref)

4.12 Following data has been used for indexation of RORB for the FY 2023-24.

	2020-21	2020-21	2021-22	2022-23	2023-24
Particulars	Reference Determined	Audited	Provisional	Projected	Projected
Gross Fixed Assets O/B	54,130	54,130	55,785	57,416	80,602
Addition	3,086	1,655	1,631	23,186	23,695
Fixed Assets C/B	57,216	55,785	57,416	80,602	104,297
Accumulated Depreciation	(21,428)	(21,371)	(22,627)	(24,656)	(27,443)
Net Fixed Assets	35,788	34,414	34,790	55,947	76,854
Less: Deferred Credit	(21,369)	(20,004)	(21,318)	(22,384)	(23,503)

	14,419	14,410	13,472	33,563	53,351
Regulatory Asset Base (RAB)	13,692	13,688	13,941	23,517	43,457

4.13 Other Income:

4.14 Other Income for the FY 2023-24 has been projected as under:

Particulars	Amount
Return on bank deposits	250
Rental and service income	20
Non-utility operations	237
Stores handling and others	355
Amortization of deferred credit	773
Total	1,635

4.15 **Bifurcation of Cost:**

4.16 The projected Distribution Margin for the FY 2023-24 has been bifurcated in to SOP and DOP on the following basis:

Particulars	SOP	DOP	Total
Pay & Allowance	13%	87%	100%
Post Retirement Benefit	13%	87%	100%
Repair & Maintenance	2%	98%	100%
Travelling Allowance	13%	87%	100%
Vehicle Maintenance	10%	90%	100%
Other Expenses	49%	51%	100%
Depreciation Expense	0%	100%	100%
RORB	0%	100%	100%
Supply Margin	29%	71%	100%
Other Income	6%	94%	100%

- 5. Prior Year Adjustment (PYA)
- 5.1 The summary of PYA claimed up to the FY 2021-22 as part of adjustment in Tariff for the FY 2023-24 is as under:

Particulars	Amount in Million
QTA 2nd & 3rd Quarter FY 2019-20	515
QTA 4th Quarter FY 2019-20	507
QTA 1st & 2nd Quarter FY 2020-21	307



QTA 3rd Quarter FY 2020-21	
QTA 4th Quarter FY 2020-21	(90)
QTA 1st Quarter FY 2021-22	(44)
QTA 2nd Quarter FY 2021-22	(87)
QTA 3rd Quarter FY 2021-22	202
QTA 4th Quarter FY 2021-22	551
Distribution Margin FY 2021-22	(1,133)
Under Allowed Expense for the FY 2020-21	1,623
Over Allowed Expense for the FY 2021-22	(142)
Sales Mix Variance for the FY 2021-22	8,190
Turnover / Minimum Tax for the FY 2020-21 & 2021-22	1,605
Supplemental Charges FY 2020-21 (in excess of LPS)	10,373
Supplemental Charges FY 2021-22 (in excess of LPS)	15,939
Total	38,009

5.2 The detailed working of the PYA related to Quarterly Adjustments allowed by the Authority is as under:

Description		Amount	Period of Applicability
QTA 2nd & 3rd Quarter FY 2019-20			
QTA Amount Allowed by NEPRA	А	10,863	
QTA Rate (Rs. / kWh)	В	2.3899	
Units Purchased during the period of Applicability	С	5,598	01 October, 2020 to September 30,
Units to be Sold after allowed T&D losses	D	4,461	2021
Units to be Sold net of Life line Sales	E	4,330	(12 Months)
QTA Recovered	F = B*E	10,348	
Under / (Over) Recovery	G = A-F	515	
QTA 4th Quarter FY 2019-20			
QTA 1st & 2nd Quarter FY 2020-21			_
QTA 3rd Quarter FY 2020-21			·
QTA Amount Allowed by NEPRA	А	7,936	
QTA Rate (Rs. / kWh)	В	1.8022	
Units Purchased during the period of Applicability	С	5,263	01 October, 2021 to September 30,
Units to be Sold after allowed T&D losses	D	4,248	2022
Units to be Sold net of Life line Sales	E	4,122	(12 Months)
QTA Recovered	F = B*E	7,429	1
Under / (Over) Recovery	G = A-F	507	d

Units to be Sold after allowed T&D losses	D	1,063
Units to be Sold net of Life line Sales	E = C-D	1,031
QTA Recovered	F = B*E	5,373
Under / (Over) Recovery	G = A-F	551

5.3 Following is the working of PYA related to Distribution Margin for the FY 2021-22.

Distribution Margin FY 2021-22		Amount
Allowed	Α	12,732
Notified DM FY 2021-22	В	3.0689
Units to be sold after allowed T&D Losses	С	4,518
Recovered	D=B*C	13,865
Under / (Over) Recovery	E=A-D	(1,133)

5.4 Following is the working of PYA related to (under) / over allowed Distribution Margin for the FY 2020-21 and 2021-22.

	FY 2020-21							
Description	NEPRA Determined Reference Cost	Audited	(Under) / Over Utilization	(Lapsed) / Allowable Expenses				
O&M								
Salaries & other Benefits	5,453	5,364	(89)	(89)				
P.M Asstt: Package	-	199	199	199				
Post-Retirement Benefits	2,525	2,912	387	387				
Total ERE	7,978	8,475	497	497				
Travelling Allowances	257	261	4	-				
Repair & Maintenance	653	350	(303)	-				
Vehicle Expenses	151	142	(9)	-				
Other Expenses	283	309	26	-				
Non-ERE	1,344	1,063	(281)	-				
Total O&M Exp.	9,322	9,537	215	497				
Depreciation	1,301	1,268	(33)	(33)				
Return on Regulatory base	1,851	1,850	(1)	(1)				
Other Income	(2,831)	(1,671)	1,160	1,160				
Total D.M	9,643	10,985	1,342	1,623				

		FY 2021-22						
Description	NEPRA Determined Indexed Cost	Un- Audited	(Under) / Over Utilization	(Lapsed) / Allowable Expenses				
O&M								

Salaries & other Benefits	- 6,626	6,173	(453)	(453)
P.M Asstt: Package	-	298	298	298
Post-Retirement Benefits	2,777	3,360	583	583
Total ERE	9,403	9,831	428	428
Travelling Allowances	289	279	(10)	-
Repair & Maintenance	736	532	(204)	-
Vehicle Expenses	170	163	(7)	-
Other Expenses	319	426	107	-
Non-ERE	1,514	1,401	(113)	-
Total O&M Exp.	10,917	11,231	314	428
Depreciation	1,424	1,306	(118)	(118)
Return on Regulatory base	2,443	1,885	(558)	(558)
Other Income	(2,052)	(1,945)	107	107
Total D.M	12,732	12,476	(256)	(142)

Following is the working of PYA related to Sales Mix Variance for the FY 2021-22. 5.5

Description	Actual Sales (units) FY 2021- 22	Actual Sales Mix	Units to be Sold as per Actual Sales Mix	NEPRA Rates	Reven ue of Units to be Sold as per Actual Sales Mix	NEPRA Sales Mix as per Deter minati on FY 2019-	Units to be sold as per NEPRA Sales Mix	Reven ue of Units to be Sold as per NEPRA Sales Mix	Sales Mix Varian ce
1	2	3	4	5	6 = 4 X 5	7	8	9 = 8 X 5	10 = 9 - 6
Residential - A1									
Upto - 50 (life line)	10.27	0.25%	11.50	4.00	46	0.98%	44.28	177	131
51 - 100 (life line)	30.74	0.76%	34.42	19.3	664		-	-	(664)
0 - 100 (Protected)	179.89	4.46%	201.44	19.3	3,888	16.90%	763.54	14,736	10,848
101 - 200 (Protected)	118.41	2.93%	132.59	20.95	2,778	10.79%	487.49	10,213	7,435
0-100	627.54	15.55%	702.74	19.3	13,563		-		(13,56 3)
101 – 200	617.62	15.31%	691.63	20.95	14,490		-	-	(14,49 0)
201-300	404.90	10.04%	453.41	22.34	10,129	10.34%	467.16	10,436	307
301 – 400	44.94	1.11%	50.32	23.38	1,177	10.82%	488.85	11,429	10,253
401 – 500	27.37	0.68%	30.65	23.38	717			-	(717)
501 – 600	15.33	0.38%	17.17	23.38	401		-		(401)
601 – 700	143.52	3.56%	160.72	23.38	3,758			-	(3,758)
Above 700	36.51	0.90%	40.88	25.03	1,023	4.98%	225.00	5,632	4,608
(TOD) – Peak	7.13	0.18%	7.98	25.03	200	1.12%	50:60	1,267	-1,067
(TOD) - Off Peak	34.40	0.85%	38.53	19.08	735	0.00%	-	-	(735)
E-1i(55) TEMP	0.01	0.00%	0.01	24.93	0	0.00%	-	-	(0)
Sub-Total:	2,298. 57	56.97 %	2,574. 01		53,569	55.93 %	2,526. 92	53,890	322
Commercial - A2							أنكن	E 32	

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Commercial - A2	118.78	2.94%	133.01	23.79	3,164	3.24%	146:38	3,482	318
E-1 (2)	1.71	0.04%	1.92	21.62	42	0.02%	0.90	20	(22)
Regular A-2 (II)	0.28	0.01%	0.31	23.79	7	0.02%	0.90	21	14
(TOD) – Peak	27.28	0.68%	30.55	24.72	755	4.17%	188.40	4,657	3,902
(TOD) - Off-Peak	115.57	2.86%	129.42	19.22	2,487	0.00%	-	-	(2,487)
Sub-Total:	263.63	6.53%	295.22		6,456	7.45%	336.59	8,181	1,725
Industrial									
B-1 (07)	5.60	0.14%	6.27	21.29	134	0.28%	12.65	269	136
B-1 (08)	0.01	0.00%	0.01	21.29	0		-	-	(0)
B-1(09) PEAK	9.61	0.24%	10.76	24.89	268	1.70%	76.81	1,912	1,644
B-1(09) OFF-PEAK	50.99	1.26%	57.10	19.39	1,107	0.00%	-	-	(1,107)
B-2 (400 Volts 41- 500	0.95	0.02%	1.06	20.62	22	0.11%	4.97	102	81
KW)									
B-2- 11 TOD - Peak	54.63	1.35%	61.18	24.72	1,512	8.03%	362.80	8,968	7,456
B-2-11 TOD - Off Peak	306.32	7.59%	343.03	19.02	6,524	0.00%	-	-	(6,524)
B-3 (II) TOD - Peak	48.42	1.20%	54.22	24.72	1,340	5.86%	264.75	6,545	5,204
B-3 (II) TOD - Off Peak	242.81	6.02%	271.90	18.82	5,117	0.00%	_	-	(5,117)
B-4 TOD - Peak	29.57	0.73%	33.11	24.72	819	2.91%	131.47	3,250	2,432
B-4 TOD - Off Peak	165.65	4.11%	185.50	18.72	3,473	0.00%	-	-	(3,473)
TMP E-2 (1)	0.08	0.00%	0.09	29.29	3	0.00%	-	-	(3)
Sub-Total:	914.65	22. 67 %	1,024. 25		20,319	18.89 %	853.45	21,047	728
Single Point Supply for									
Further Distribution									
C- 1A (19)	0.52	0.01%	0.59	22.62	13	0.21%	9.49	215	201
C- 1B (25)	9.24	0.23%	10.34	22.12	229	0.60%	27.11	600	371
C- 1C (26)T Peak	3.98	0.10%	4.45	24.72	110	0.64%	28.92	715	605
C- 1C (26)- T Off Peak	29.23	0.72%	32.73	19.22	629	0.00%	-	-	(629)
C- 2A (28)	21.34	0.53%	23.90	20.92	500	0.50%	22.59	473	(27)
C- 2B (29)T Peak	4.54	0.11%	5.08	24.72	126	0.67%	30.27	748	623
C- 2B (29)T Off Peak	26.26	0.65%	29.41	19.02	559	0.00%	-	-	(559)
C-3A(37)	18.28	0.45%	20.47	24.72	506	0.28%	12.65	313	(193)
C-3b(38)T Off Peak	-	0.00%	-	18.82	-	0.00%	-	-	-
Sub-Total:	113.39	2.81%	126.98		2,672	2.90%	131.02	3,063	390
Agriculture Tube well - Tariff D									
D-1A (41)	5.51	0.14%	6.17	25.48	157	0.87%	39.31	1,002	844
D-1A (42)	_	0.00%	-		-		-	-	-
D-1A (43)	-	0.00%	-		-		-	-	-
D- 1B (45)T Peak	7.58	0.19%	8.49	24.89	211	0.74%	33.43	832	621
D- 1B (45)T Off Peak	41.23	1.02%	46.18	18.99	877	0.00%	-	-	(877)
D- 2(47,48,49,52)(NOR)	3.53	0.09%	3.95	20.79	82	0.26%	11.75	244	162
D-2 (47,48,49,52) (SUB)	-	0.00%	-		-		-	-	-
D- 2B (50, 51,53,54)T Peak NOR	26.93	0.67%	30.16	24.89	751	4.74%	214.15	5,330	4,580
D- 2B (50, 51,53,54)T Off Peak NOR	123.33	3.06%	138.10	18.99	2,623	0.00%	-		(2,623)
D- 2B (50, 51,53,54)T Peak (SUB)	-	0.00%	-		-		-	-	-
D- 2B (50, 51,53,54)T Off Peak (SUB)	-	0.00%	-		-		ectrin	T EVE	_

Sub-Total:	208.11	5.16%	233.05		4,701	6.61%	298.64	7,408	2,707
Public Lighting - Tariff									
<u>G</u>									
G(I)	8.09	0.20%	9.06	22.74	206	0.64%	28.92	658	452
G(II)	-	0.00%						-	
Sub-Total:	8.09	0.20%	9.06		206	0.64%	28.92	658	452
Housing Colonies -									
Tariff H	2.67	0.070/	2.00	22.74		0.110/	4.07	112	45
H(1)	2.67	0.07%	2.99	22.74	68	0.11%	4.97	113	45
H(2)	-	0.00%						-	
Sub-Total:	2.67	0.07%	2.99		68	0.11%	4.97	113	45
AJK BULK SUPPLY									
General Services									
A3a(66)	225.44	5.59%	252.45	21.43	5,410	7.47%	337.49	7,233	1,823
Sub-Total:	225.44	5.59%	252.45		5,410	7.47%	337.49	7,233	1,823
Total	4,034. 54	100.00 %	4,518. 00		93,400	100.00 %	4,518. 00	101,59 1	8,191
Purchased units	5,610. 33		,						
Units on T&D Loss allowed @ 19.47%	1,092. 33								

5.6 Following Turnover tax paid by HESCO for the FY 2020-21 & 2021-22 has been claimed as PYA:

4,518.

00

Tax Year	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total
			Rs. In Million		
2021	237	180	146	249	811
2022	214	172	162	246	794
Total	451	352	308	494	1,605

6 Prayer

Units to be sold

6.1 The Authority is requested to allow the Prior Year Adjustments along-with under recovered amounts pertaining to previous years and Indexation / Adjustment of Distribution / Supply Margin for the FY 2023-24.

CHIEF EXECUTIVE OFFICER
HESCO, HYDERABAGO