

F-No.Tariff /RE POLICY-2019
Government of Pakistan
Ministry of Energy
Power Division

Islamabad, the April 04, 2019

Managing Director,
NTDC Wapda House,
Lahore.

Chief Executive Officer,
AEDB, Islamabad.

Chief Executive Officer,
CPPA-G Islamabad.

Managing Director,
PPIB, Islamabad.

Chairman NEPRA,
Islamabad.

Subject: - AMENDMENT IN DECISIONS OF THE CABINET COMMITTEE ON ENERGY HELD ON 17TH DECEMBER 2017 AND FEBRUARY 2018

I am directed to refer to this Division letter No.Tariff /RE POLICY-2019 dated the 01st April, 2019 on the above subject and to state that the letter is hereby withdrawn ab initio.

2. The CCoE decision on case No. CCE-12/04/2019 (V) conveyed by above referred letter be read as under:-

- I. *All future RE investments will have to be dealt with under RE Policy 2019 which will clearly enunciate a framework in consistent with current international market norms and greater consumer benefits;*
- II. *Any resource risk that is linked with RE projects being considered as pipeline projects under the RE Policy 2006 which conform to NEPRA's decisions taken in various tariff determinations of such projects(resource risk for wind, solar and hydel), would be henceforth borne by the seller;*
- III. *All processing of the above projects would be linked with the date of grid interconnectivity as provided and confirmed by NTDCL;*
- IV. *All those projects which have been granted LOS by AEDB will be permitted to proceed towards the achievement of their requisite milestones as per RE Policy 2006. However, if more than one year has elapsed since determination of tariff by NEPRA, the said tariffs will be reviewed by NEPRA to bring them in line with the prevailing market conditions and rationalization of cost keeping in view consumer interest as well as subsequent determinations on the same technologies given by NEPRA. Such review shall include appropriate time extension to reach financial closing.*
- V. *All projects that have been issued LOIs and have been granted determination of tariff by NEPRA and issued a generation license would be allowed to proceed ahead towards the achievement of their requisite milestones as per the RE Policy 2006. However, if the tariff determination has been done since more than one year or if the tariff validity period has elapsed, NEPRA would be requested for review of the same to make it consistent with the current market environment/conditions and consumer interest. Such review shall include appropriate time extension to reach financial closing;*
- VI. *In all these projects, grid connectivity date will have to be approved by NTDC and the COD will be subject to the same.*

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DIARY No. 47263
DATE 5-4-19

- VII. *In case of wind projects that fall in the above categories and are situated in the wind corridor of Jhimpir, Sindh, the NTDC and the Sindh Government will work on the proposal of the Sindh Government for construction of evacuation facilities from the said corridor by the Sindh Government and will be reflected in a firm agreement between the two.*
- VIII. *Based on NTDC's confirmation of evacuation and the timeline decided for completion of the projects, the CPPA-G will consider granting of consent.*
- IX. *Projects that have been issued LOI prior to the expiry of RE Policy, 2006 on March 08, 2018 but have not received a tariff from NEPRA, may be allowed to proceed ahead subject to becoming successful in the competitive bidding process to be undertaken by AEDB specifically designed for each technology under this category based on the quantum ascertained for each technology by Indicative Generation Capacity Expansion Plan (IGCEP) by NTDC. Once IGCEP by NTDC determines how much additional power it needs to induct in the system by June 2023 as approved by the regulator and NTDC confirms its interconnection including the completion of pre-requisites for issuance of Power Acquisition Request, AEDB will conduct competitive bidding, one for each technology, for the capacity to be procured under each technology, with resource risk being borne by the Project. The determination of size of each block will be done by NTDC within 60 days of the approval of IGCEP and accordingly the capacity of wind, solar and bagasse power to be inducted through competitive bidding shall be intimated to AEDB. Thereafter, AEDB will develop the bidding documents based on the parameters determined by NEPRA. For projects which are regarded successful in the bidding process, an LOS shall be issued subsequently allowing the projects to achieve Financial Closing as per the time period allowed in the LOS. All other LOIs which are not successful in the bidding process shall stand lapsed and bank guarantees provided against the LOI will be returned in full.*
- X. *The sponsors willing to proceed with the development of their respective projects under this mechanism will be required to provide an undertaking to withdraw all lawsuits against Federal/Provincial Governments.*
- XI. *Projects that are going back for review of tariff, will be asked to submit their applications on the basis of latest technology and technology related factors.*

3. The list of projects (145) as approved by the Cabinet is enclosed for necessary action pl.
4. This issues with the approval of Secretary of Energy, Power Division.


(Syed Mateen Ahmed)
Section Officer (Tariff)

C.C:

1. PSO, to Minister for Energy, Power Division, Islamabad.
2. SPS, to Secretary, Power Division, Islamabad.
3. SPS, to Addl. Secretary, Power Division, Islamabad.
4. PS to Joint Secretary (PF), Power Division, Islamabad.

i. Projects at LOS Stage

There are 19 projects in this category totalling 531.02 MW, with 15 projects of a total of 489.5 MW of bagasse and 4 projects of a total of 41.52 MW of solar power projects. List of project under this category is given below:

Sr#	Name of Project	LOI Issued By	Type	Capacity (MW)	Date of Tariff Award	Tariff (US cents /kWh)	Generation License
1	Access Solar (Pvt.) Ltd.	AEDB	Solar	11.52	11-Oct-18	5.9374	22 Aug, 2013
2	Access Electric (Pvt.) Ltd.	AEDB	Solar	10	11-Oct-18	5.9374	26 Jun, 2014
3	Bukhsh Solar (Pvt.) Ltd.	AEDB	Solar	10	29-Feb-16	14.4096	26 Jun, 2014
4	Safe Solar Power Pvt. Ltd.	AEDB	Solar	10	29-Feb-16	14.4096	12 Sep, 2014
5	Shahtaj Sugar Mills Ltd at, Mandi Bahauddin, Punjab	AEDB	Bagasse	32	Jan 02, 2017	10.6202	10 Nov, 2016
6	Hunza Power (Pvt.) Ltd, District Jhang, Punjab;	AEDB	Bagasse	49.8	Feb 22, 2017	10.6202	20 Mar, 2017
7	Ittefaq Power (Pvt.) Ltd, District Bahawalpur, Punjab	AEDB	Bagasse	31.2	May 25, 2017	10.6202	04 May, 2017
8	Kashmir Power Private Ltd, District Jhang, Punjab	AEDB	Bagasse	40	April 26, 2017	10.6202	30 May, 2017
9	Indus Energy Limited, District Rajanpur, Punjab	AEDB	Bagasse	31	April 26, 2017	10.6202	13 June, 2017
10	Bahawalpur Energy Ltd, District Jhang, Punjab	AEDB	Bagasse	31.2	April 26, 2017	10.6202	02 May, 2017
11	Alliance Sugar Mills Ltd, Ubauro, District Ghotki, Sindh	AEDB	Bagasse	30	Sep 11, 2017	10.6202	02 Oct, 2014
12	RYK Energy Limited, Rahim Yar Khan, Punjab	AEDB	Bagasse	25	Sep 11, 2017	10.6202	30 May, 2017
13	Two Star Industries Pvt Ltd,	AEDB	Bagasse	49.3	Sep 11, 2017	10.6202	25 Sep, 2017
14	TAY Powergen Company, Tando Allahyar, Sindh	AEDB	Bagasse	30	Sep 11, 2017	10.6202	20 Mar, 2015
15	Faran Power Ltd, District Tando Muhammad Khan, Sindh	AEDB	Bagasse	26.5	Sep 11, 2017	10.6202	13 June, 2017
16	Hamza Sugar Mill Limited (Unit-II), Rahim Yar Khan, Punjab	AEDB	Bagasse	30	Sep 11, 2017	10.6202	10 Oct, 2017
17	Sheikhoo Power Ltd, District Muzafargarh, Punjab	AEDB	Bagasse	30	Sep 11, 2017	10.6202	20 Sep, 2017

18	Mehran Energy Ltd, District Tando Allahyar, Sindh	AEDB	Bagasse	26.5	Sep 11, 2017	10.6202	26 Sep, 2017
19	Habib Sugar Mills Ltd, Shaheed Banazir Abad, Sindh	AEDB	Bagasse	26.5	Sep 11, 2017	10.6202	16 Oct, 2017
				531.02			

ii. **Projects with LOI and Tariff Determination but no LOS**

There are 22 projects in this category totalling 1199.3 MW, with 2 projects of a total of 90 MW of bagasse, 5 projects of a total of 350 MW of solar and 15 projects of a total of 759.3 MW of wind power projects. List of project under this category is given below:

Sr#	Name of Project	LOI Issued By	Type	Capacity (MW)	Date of Tariff Award	Tariff (US cents /kWh)	Generation License
1	Lakeside Energy Pvt. Ltd.	GoS	Wind	50	19-Nov-18	4.7154	27 Nov 2017
2	Artistic Wind Power Pvt. Ltd.	GoS	Wind	50	19-Nov-18	4.7212	28 Mar 2017
3	Liberty Wind Power 1 Pvt. Ltd.	GoS	Wind	50	19-Nov-18	4.7824	01 Feb 2017
4	Indus Wind Energy Ltd	GoS	Wind	50	19-Nov-18	4.7931	13 Jun 2017
5	Master Green Energy Ltd	GoS	Wind	50	20-Aug-18	4.1302	27 Nov 2017
6	ACT2 Wind Pvt. Ltd	GoS	Wind	50	19-Nov-18	4.7212	04 Apr 2017
7	Liberty Wind Power 2 Pvt. Ltd	GoS	Wind	50	19-Nov-18	4.7824	01 Aug 2017
8	Metro Wind Power Ltd.	GoS	Wind	60	19-Nov-18	4.6360	02 Aug 2017
9	Nasda Green Energy Pvt. Ltd	GoS	Wind	50	19-Nov-18	4.7190	03 Aug 2017
10	DIN Energy Ltd	GoS	Wind	50	19-Nov-18	4.7824	01 Feb 2017
11	Gul Ahmed Electric Ltd	GoS	Wind	50	19-Nov-18	4.7212	01 Aug 2017
12	Tricom Wind Power Pvt. Ltd	GoS	Wind	50	19-Nov-18	4.7824	08 Aug 2017
13	Western Energy Pvt. Ltd (CPEC PROJECT)	AEDB	Wind	50	20-Aug-18	4.3467	05 Jan 2017
14	Shaheen Renewable Energy Pvt. Ltd	AEDB	Wind	51	20-Aug-18	4.4154	07 Jan 2017
15	Trans Antlatic Energy Pvt. Ltd.	AEDB	Wind	48.3	20-Nov-18	4.3464	18 Apr 2017
16	Zorlu Solar Pakistan (Pvt.) Ltd.	GoPb	Solar	100	25-Jan-18	5.3086	18 Aug 2017
17	Helios Power (Pvt.) Ltd.	GoS	Solar	50	25-Jan-18	5.2622	16 Aug 2017
18	HNDS Energy (Pvt.) Ltd.	GoS	Solar	50	25-Jan-18	5.2622	16 Aug 2017

19	Meridian Energy (Pvt.) Ltd.	GoS	Solar	50	25-Jan-18	5.2622	16 Aug 2017
20	Zhenfa Pakistan New Energy Company (Pvt.) Ltd.	GoS	Solar	100	13-Aug-18	4.7746	10 Jul 2017
21	M/s Sadiqabad Power Pvt Ltd, Rahim Yar Khan, Punjab	AEEDB	Bagasse	45	Sep 11, 2017	10.6202	17 Jul 2018
22	M/s Gotki Power Pvt Ltd, Ghotki, Sindh	AEEDB	Bagasse	45	Sep 11, 2017	10.6202	27 Nov 2017
				1199.3			

iii. Projects At LOI Stage

There are 104 projects in this category totalling 6,547 MW, with 31 projects of a total of 2139 MW of wind, 65 projects of a total of 4143.5 MW of solar, 07 projects of a total of 224.5 MW of bagasse and 01 project of 40 MW of Waste-to-Energy (Municipal Solid Waste). List of projects under this category is given below:

Sr#	Name of Project	Capacity (MW)	Type	LOI Issued By	LOI Issuance Date
1	Burj Wind Energy Pvt. Limited	14	Wind	AEEDB	10 Oct 2012
2	DHA City Karachi (DCK)	50	Wind	GOS	20 Oct 2014
3	Cacho Wind Energy (Pvt) Ltd (CPEC Project)	50	Wind	GOS	28 Nov 2014
4	Harvey Energy (Pvt) Ltd	50	Wind	GOS	28 Nov 2014
5	Finergy (Pvt) limited	50	Wind	GOS	13 Feb 2015
6	New Generation Power Pvt Ltd	100	Wind	GOS	17 Apr 2015
7	Norinco International Corporation Ltd	50	Wind	GOS	20 Apr 2015
8	Norinco International Corporation Ltd	50	Wind	GOS	20 Apr 2015
9	Power China Chengdu Engineering Corporation Ltd	150	Wind	GOS	3 Jul 2015
10	Harbin Electric International -II	250	Wind	GOS	19 Aug 2015
11	Jamsheed wind Energy (Pvt) Ltd	50	Wind	GOS	1 Oct 2015
12	Unicol Energy Limited	50	Wind	GOS	16 Oct 2015
13	Power China Houdang Engg Corporation	50	Wind	GOS	4 Feb 2016
14	Wuwei Aerospace New energy Investment Co Ltd	100	Wind	GOS	29 Feb 2016
15	Wuwei Aerospace New energy Investment Co Ltd	100	Wind	GOS	29 Feb 2016
16	Gul Ahmed Textile Mills Ltd	50	Wind	GOS	1 Mar 2016
17	Gul Ahmed Textile Mills Ltd	50	Wind	GOS	1 Mar 2016
18	Yunus Wind power Ltd (Y.B. Holdings)	50	Wind	GOS	1 Mar 2016
19	Lucky Wind power Ltd (Y.B. Holdings)	50	Wind	GOS	1 Mar 2016
20	Moro Power Company (Pvt) Ltd	25	Wind	GOS	1 Mar 2016
21	Western Energy (Pvt) Ltd(Sino well pvt ltd)	50	Wind	GOS	1 Mar 2016
22	Shafi Energy (Pvt) Ltd	50	Wind	GOS	2 Mar 2016

23	Orient Energy Systems (Pvt) Ltd	50	Wind	GOS	7 Mar 2016
24	Lootah Energy Ltd	50	Wind	GOS	7 Mar 2016
25	Lootah Energy Ltd	50	Wind	GOS	7 Mar 2016
26	Iran-Pak Wind Power (Pvt.) Ltd.	50	Wind	GOS	8 Mar 2016
27	Novatex limited	50	Wind	GOS	8 Mar 2016
28	Mustaqim Dyeing & Printing Industries	50	Wind	GOS	8 Mar 2016
29	Sindh Renewable Energy Company Pvt. Ltd	50	Wind	GOS	11 Sep 2017
30	Sindh Renewable Energy Company Pvt. Ltd	50	Wind	GOS	11 Sep 2017
31	Vestas Asia Pacific Wind Technology (Pvt) Ltd	250	Wind	GOPb	6 Mar 2016
		2139			
32	IPS Solar Park – IPS 22 (Pvt.) Ltd.	50	Solar	AEDB	3 Jul 2013
33	IPS Solar Park – JA 23 (Pvt.) Ltd.	50	Solar	AEDB	3 Jul 2013
34	IPS Solar Park – SB 24 (Pvt.) Ltd.	50	Solar	AEDB	3 Jul 2013
35	R.E. Solar I Pvt. Ltd.	20	Solar	AEDB	21 Apr 2014
36	R.E. Solar II Pvt. Ltd.	20	Solar	AEDB	21 Apr 2014
37	Janpur Energy Limited SPV: Jan Solar (Pvt.) Ltd.	12	Solar	AEDB	27 May 2014
38	Janpur Energy Limited	12	Solar	AEDB	27 May 2014
39	Siddiqsons Energy Karachi	50	Solar	AEDB	5 Dec 2014
40	ET Solar (Pvt.) Ltd.	50	Solar	AEDB	22 Apr 2015
41	ET Solar (Pvt.) Ltd.	25	Solar	AEDB	22 Apr 2015
42	ACT Solar (Pvt.) Ltd.	50	Solar	AEDB	6 Jul 2015
43	Asia Petroleum Limited	30	Solar	AEDB	3 Aug 2015
44	New Generation	200	Solar	GOS	17 Apr 2015
45	Meridian Energy Pvt Ltd	50	Solar	GOS	30 Apr 2015
46	HNDS Energy Pvt Ltd	50	Solar	GOS	30 Apr 2015
47	Hellous Power Pvt Ltd.	50	Solar	GOS	30 Apr 2015
48	Metro solar power Ltd	50	Solar	GOS	4 May 2015
49	Technomen Kinetics/ZTE	20	Solar	GOS	22 May 2015
50	MI Solar	20	Solar	GOS	25 May 2015
51	Sukkur solar park Pvt Ltd	20	Solar	GOS	2 Jun 2015
52	Thatta Solar Park Pvt Ltd	20	Solar	GOS	2 Jun 2015
53	Al Tariq & Laguardia	20	Solar	GOS	30 Jun 2015
54	Gul Ahmed Energy Ltd	50	Solar	GOS	10 Jul 2015
55	National power & water company Pvt Ltd	50	Solar	GOS	3 Aug 2015
56	MCC New Energy Company(PK) Pvt Ltd	100	Solar	GOS	20 Aug 2015
57	Tricom solar power Pvt Ltd	50	Solar	GOS	28 Aug 2015
58	Siachen energy Ltd	100	Solar	GOS	28 Aug 2015

59	Siachen energy Ltd -II	100	Solar	GOS	28 Aug 2015
60	China National Power Ltd	100	Solar	GOS	28 Oct 2015
61	Zhongxing Telecom pakistan Pvt Ltd(ZTE)	100	Solar	GOS	28 Oct 2015
62	Technomen Kinetics pvt Ltd	100	Solar	GOS	25 Nov 2015
63	Act 2 Solar Pvt Ltd	50	Solar	GOS	8 Feb 2016
64	Greenewable solar Pvt Ltd.	50	Solar	GOS	8 Mar 2016
65	IDC Pvt Ltd	50	Solar	GOS	1 Mar 2016
66	Siddiq Sons Limited	50	Solar	GOS	1 Mar 2016
67	Artistic Milliners Pvt Ltd	50	Solar	GOS	13 Apr 2016
68	Sindh Renewable Energy Company Pvt. Ltd	50	Solar	GOS	14 Jul 2017
69	Zonergy Company Ltd. (CPEC Project)	100	Solar	GOPb	3 Apr 2015
70	Zonergy Company Ltd. (CPEC Project)	100	Solar	GOPb	3 Apr 2015
71	Zonergy Company Ltd. (CPEC Project)	100	Solar	GOPb	3 Apr 2015
72	Zonergy Company Ltd. (CPEC Project)	100	Solar	GOPb	3 Apr 2015
73	Zonergy Company Ltd. (CPEC Project)	100	Solar	GOPb	3 Apr 2015
74	Zonergy Company Ltd. (CPEC Project)	100	Solar	GOPb	3 Apr 2015
75	Zorlu Solar Pakistan Pvt. Ltd.	100	Solar	GOPb	17 Jan 2017
76	Zorlu Renewable Pakistan Pvt. Ltd.	100	Solar	GOPb	10 Jul 2017
77	Zorlu Sun Power Pvt. Ltd.	100	Solar	GOPb	10 Jul 2017
78	Zhenfa Pakistan New Energy Co. Ltd.	100	Solar	GOPb	19 Mar 2015
79	Solution De Energy	100	Solar	GOPb	12 May 2015
80	TBEA Xingiang (SPV - HUAGUANG Energy Pvt. Ltd.)	100	Solar	GOPb	4 Apr 2016
81	CWE & Welt Konnect (Pvt) Ltd. (Joint Venture)	50	Solar	GOPb	30 Apr 2015
82	Vogt Solar Ltd	15	Solar	GOPb	9 Jan 2018
83	Roshan Power (Pvt.) Ltd.	10	Solar	GOPb	23 May 2011
84	CK Solar, Korea	300	Solar	GOB	-
85	Enertech Holding Company	50	Solar	GOB	26 Oct 2016
86	Enertech Holding Company	50	Solar	GOB	26 Oct 2016
87	Nizam & Sons	50	Solar	GOB	28 Oct 2016
88	Nizam & Sons	50	Solar	GOB	3 Jul 2018
89	Canadian Commercial Company	50	Solar	GOB	-
90	EL-Passo Technology	50	Solar	GOB	26 Dec 2017
91	EL-Passo Technology	50	Solar	GOB	26 Dec 2017
92	Siddiqsons	50	Solar	GOKPK	28 Dec 2015
93	Siddiqsons	50	Solar	GOKPK	28 Dec 2015
94	Assal Solar Power	49.5	Solar	GOKPK	21 Jul 2016
95	FAS Energy	50	Solar	GOKPK	22 Sep 2016

96	Target Energy	50	Solar	GOKPK	20 Oct 2016
		4143.5			
97	Safina Sugar Mills Ltd.	20	Bagasse	AEDB	9 May 2014
98	Alman Seyyam (Pvt.) Ltd.	34.5	Bagasse	AEDB	25 Jan 2017
99	Al-Mughni Industries (Pvt.) Ltd	40	Bagasse	AEDB	5 May 2017
100	Digri Gen Ltd.	25	Bagasse	AEDB	26 Apr 2017
101	Ranipur Energy (Pvt.) Ltd	60	Bagasse	AEDB	24 May 2017
102	Popular Energy Pvt. Ltd.	30	Bagasse	AEDB	15 Aug 2017
103	Hamza Sugar Mills (Unit-III)	15	Bagasse	AEDB	21 Jul 2017
		224.5			
104	Lahore Xingzhong Renewable Energy Co. Ltd.	40	MSW	GOPb	19 Oct 2016
	Total	6547			