

No. SEC(TCB-1)/NEPRA-2023/029  
October 10, 2023

**The Registrar**

National Electric Power Regulatory Authority  
NEPRA Tower, Attaturk Avenue, G-5/1,  
Islamabad.

**Subject: Application for License Proposed Modification to the Generation License under NEPRA Licensing (Application, Modification, Extension and Cancellation) Procedure Regulations, 2021, on behalf of 2x660 MW Thar Coal Block-1 Power Generation Company (Private) Limited**

Ref: TCB-1 Letter No. SEC(TCB-1)/NEPRA-2022, dated

Dear Sir,

The Authority granted a Generation License No. IGSPL/74/2017, dated January 05, 2017 for our above mentioned generation facility located at Thar Block-1. It is pertinent to mention that at the time of grant of the said license due to lack of detailed design, we had provided indicative parameters pertinent to the plant including "Ramping Rate" and "Time required to Synchronize to Grid" which is to be confirmed after engineering design of the plant.

2-The project achieved COD on February 05, 2023 and based on the said, we provided the details of the above mentioned parameters and submitted a modification/Licensee Proposed Modification (LPM) for incorporating the same in the licence and Authority sought comments of the stakeholders by publishing a notice and seeking comments of the relevant stakeholders.

3-In this regard, it is submitted that the plant has been in operation for the last eight (08) months and based on the operational experience OEM has suggested certain modifications in the above parameters and accordingly we hereby submit amendments to the already submitted LPM. It is requested that same may processed as stipulated in the relevant rules and regulations. The Addendum made is attached herewith accordingly.

Sincerely yours,

Forwarded please:

☒ For nec action ☐ for information

1. DG (Lic.)	2. DG (Admn./HR)
3. DG (M&E)	4. DG (CAD)
5. DG (Trf.)	6. Dir. (Fin.)
7. Dir. (Tech.)	8. Consultant
9. LA	10. Dir. (IT)

For kind information please

Chairman  
S. M (Lic.)  
S. M (Law)

S. M (Tech.)  
S. M (Trf. & Fin)

  
**Meng Donghai**  
Chief Executive Officer

**Attachments:**

- Annex-1

塔尔煤田一区块发电有限公司

THAR COAL BLOCK-1 POWER GENERATION COMPANY (PVT) LTD

Registered address: 7th Floor, Executive Tower, Dolmen Mall Clifton, Karachi

Mailing address: No. A-1, Navy Housing Scheme, Zam Zama Link Road, Clifton Block-9, Karachi

Landline: +9221-3518-3615, Fax: +9221-3518-3666

(g). **Plant Characteristics:**

The changes are in the *Ramping Rate (%/min)* and *Time Required to Synchronize to Grid (min)* as these values were indicative at the time of application of Generation License and hence these parameters as set out in row (v) and (vi) of schedule I of the Generation License (under the heading ("Plant Characteristics")) are proposed to be modified as follows in accordance with the OEM data:

**Table-1 (a)**  
**Ramping Rate in the already submitted LPM Petition**

Unit load (%)	Cold start (%)	Warm start (%)	Hot start (%)	Very Hot start (%)
0-30	0.2	0.6	1	1
30-50	0.2	0.8	1	1
50-100	0.3	0.3	0.8	0.8
<b>Revised Ramping Rate</b>				
Unit load (%)	Cold start (%)	Warm start (%)	Hot start (%)	Very Hot start (%)
0-30	0.25 ↓	↓ 0.4	0.5 ↓	0.5 ↓
30-50	0.5 ↓	0.8 ↓	1 ↓	1 ↓
50-100	1 ↓	1 ↓	1.05 ↑	1.05 ↑

**Table-1 (b)**  
**Holding Time in the Petition**

Unit load (%)	Cold start (min)	Warm start (min)	Hot start (min)	Very Hot start (min)
5% initial load during grid connection	60	30	0	0
35% unit load	0	10	0	0
67.5% unit load	0	0	10	0
<b>Revised Holding Time</b>				
Unit load (%)	Cold start (min)	Warm start (min)	Hot start (min)	Very Hot start (min)
30% initial load during grid connection	10	10	10	10
65% unit load	10	10	10	10
80% unit load	10	10	10	10

Minimum Stable Loading of Unit/Complex = 50 %

**Table-2 in Petition**

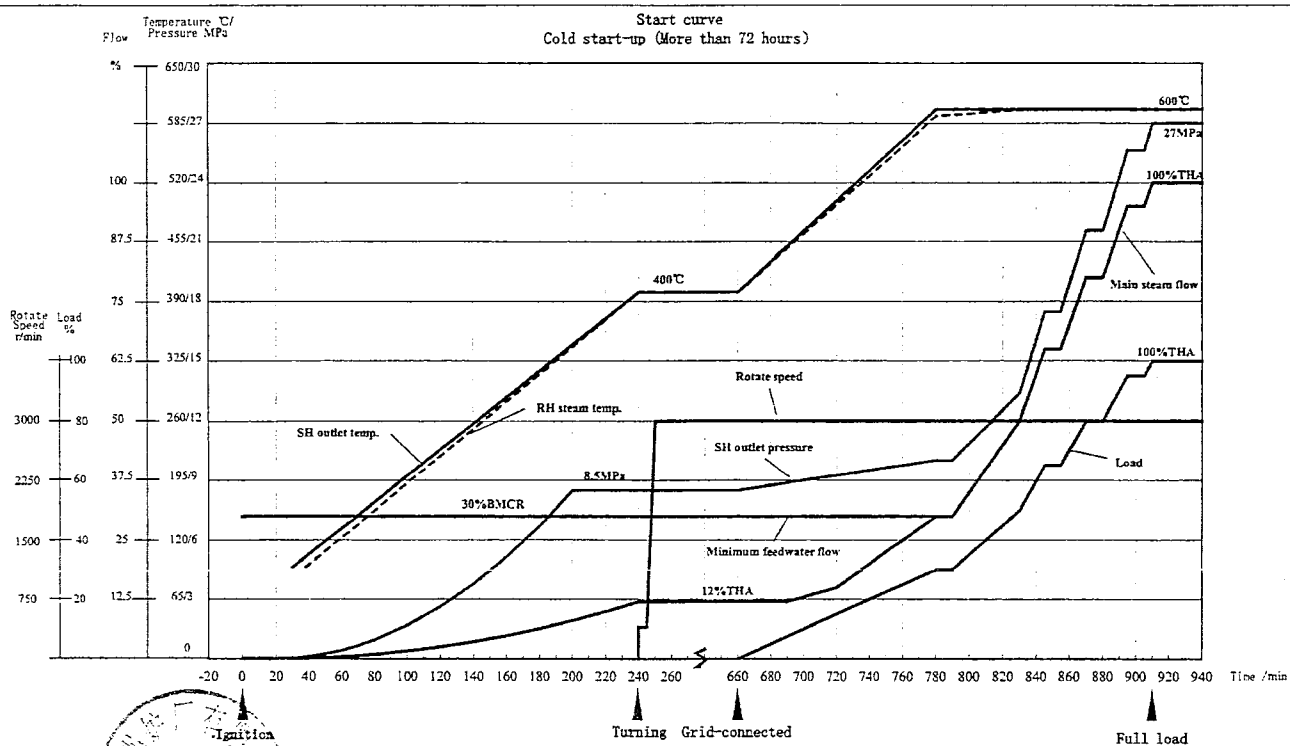
<b>Length of Shutdown</b>	<b>Notice required synchronizing (The time start after boiler ignition)</b>
Not more than 1 hour	95 min
More than 1 hour but less than 10 hours	140 min
More than 10 hours but less than 72 hours	395 min
More than 72 hours	600 min

**Revised Table-2**

<b>Length of Shutdown</b>	<b>Notice required synchronizing (The time start after boiler ignition)</b>
Not more than 1 hour	240 min
More than 1 hour but less than 10 hours	300 min
More than 10 hours but less than 72 hours	720 min
More than 72 hours	990 min

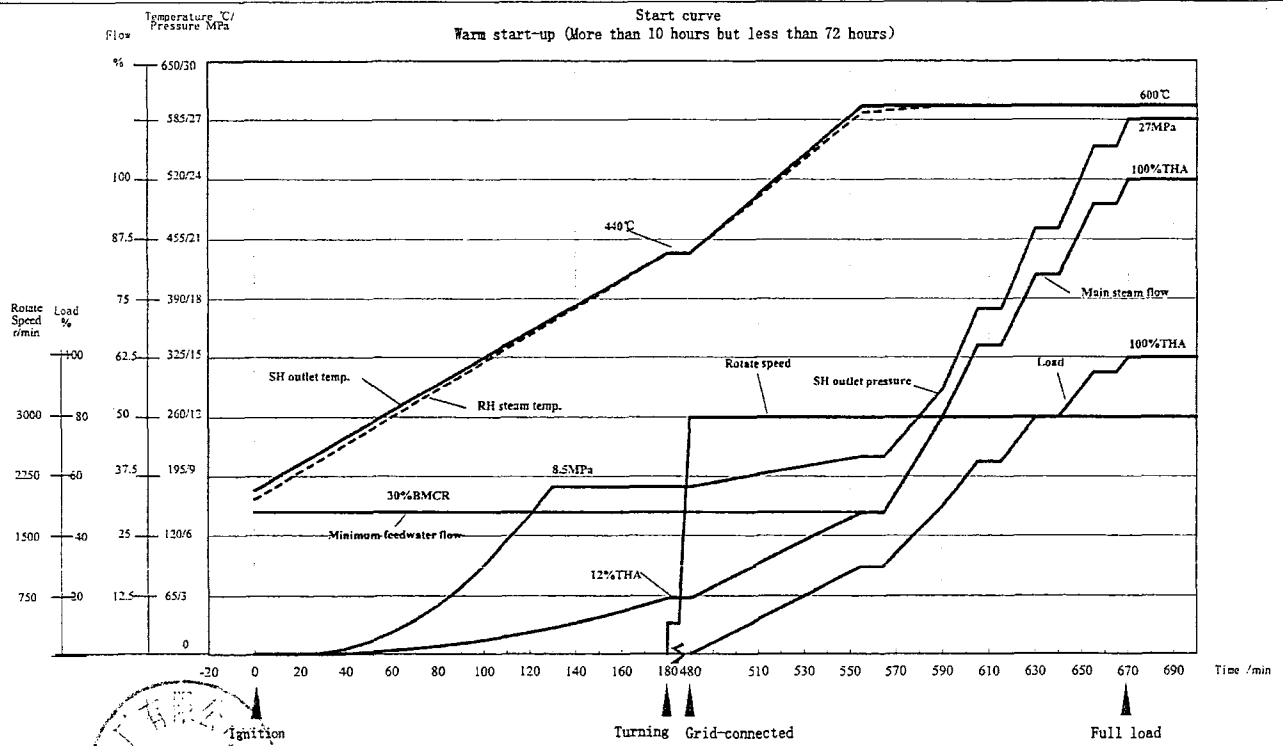
Each startup Type is as follows:

- Very Hot Start-up:      The start-up with a unit downtime of less than 1 hour.
- Hot Start-up:            The Start-up with a unit downtime of 1 hour or more than 1 hours but less than 10 hours.
- Warm Start-up:         The Start-up with a unit downtime for 10 hours or more than 10 hours but less than 72 hours.
- Cold Start-up:          The Start-up with a unit downtime for 72 hours or more than 72 hour



**上海锅炉厂有限公司**  
Shanghai Boiler Works Co., Ltd.

中国上海市闵行区华宁路 250 号 / 250 Huang Road, Minhang District, Shanghai, China (200245)  
Tel 8621-64302391 Fax 8621-64301980 www.shanghai-electric.com

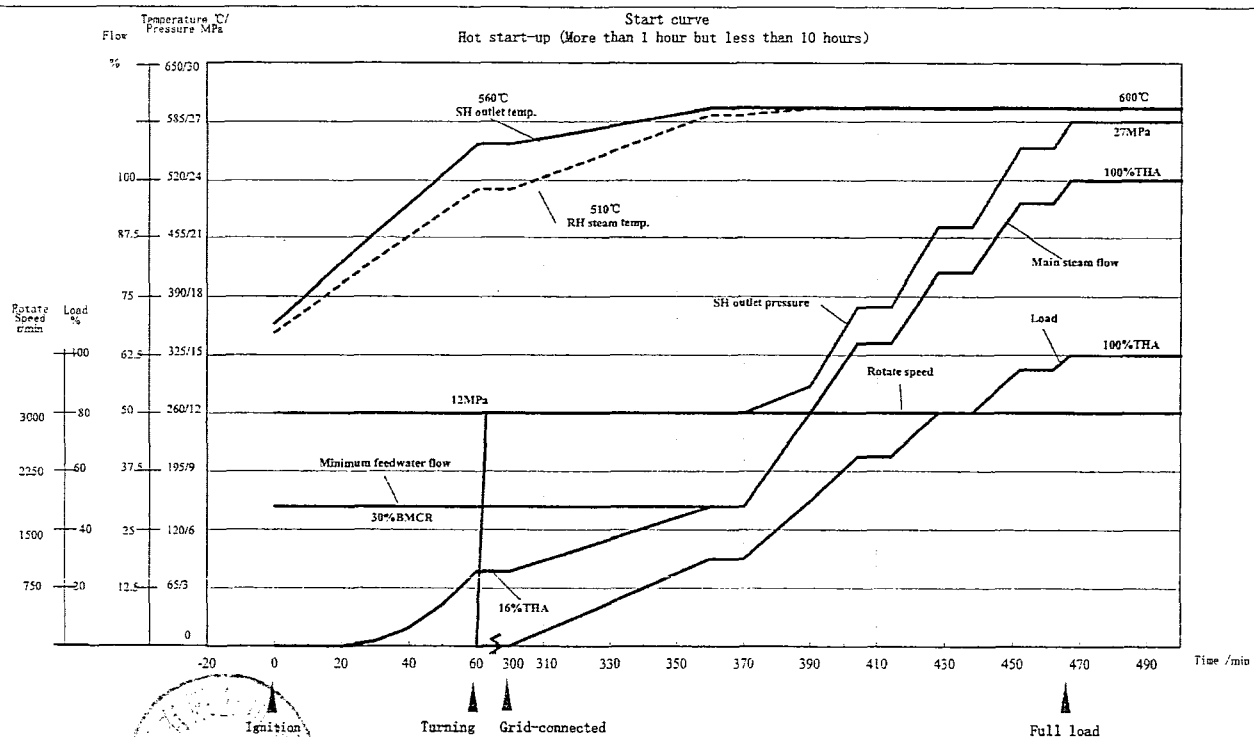


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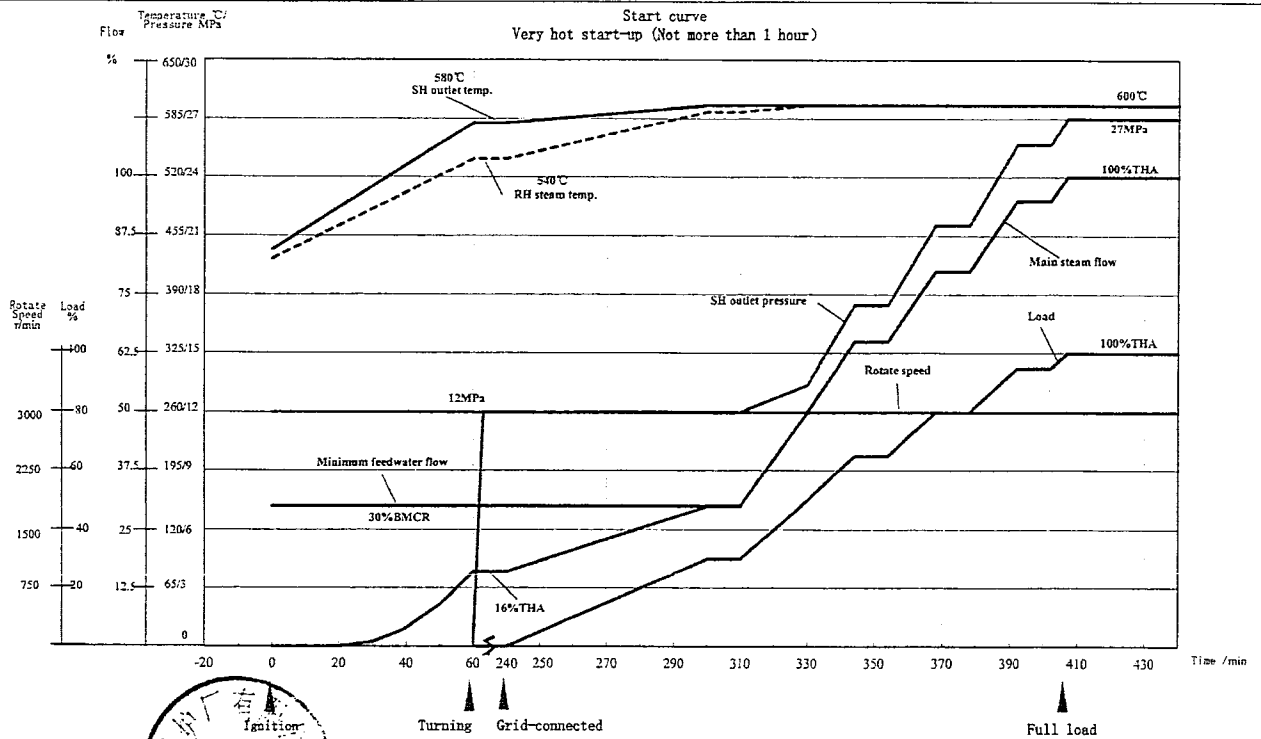


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