> **Proceedings of the meeting held under the Chairpersonship of worthy Secretary (IT, Education, Technical Education and Secretary to Chief Minister) to the Government of Himachal Pradesh on 15-06-2023 at 11:00 AM regarding promotion of semiconductor industries in Himachal Pradesh.**

A meeting was held under the Chairpersonship of the worthy Secretary (IT, Education, Technical Education and Secretary to Chief Minister) to the Government of Himachal Pradesh at IT Bhawan, Shimla on 15-06-2023 at 11:00 AM regarding promotion of semiconductor industries in Himachal Pradesh. Following were present in the meeting:

From Industry and Academia

1. Prof. Rajeev Ahuja, Director, IIT Ropar
2. Prof. Rajendra Singh, IIT Delhi
3. Dr. Randheer Thakur, CEO, Tata Electronics, attended through VC
4. Mr. Sunil Kaul, SiC USA, attended through VC
5. Sh. Sandeep Goyel, CEO, Pyramid

From Government Departments

1. Sh. Pankaj Rai, Special Secretary (Technical Education) to the Government of Himachal Pradesh
2. Sh. Mukesh Repaswal, Director IT, DIT HP
3. Sh. Sanjay Sharma, Additional Director, Industries Department, HP
4. Sh. Anil Semwal, Joint Director IT, DIT HP
5. Sh. Munish Karol, Deputy Labour Commissioner, Labour & Employment Department, HP
6. Sh. Narender Kumar, Manager IT, DIT HP
7. Sh. Vikas Chadha, Manager IT, DIT HP
8. Sh. Chandan Parmar, Dy. Manager IT, DIT HP
9. Sh. Hemant Thakur, Consultant, Industries Department, HP
10. Sh. Vikrant Chandel, Consultant, Industries Department, HP

At the outset, the Secretary (IT, Education, Technical Education and Secretary to Chief Minister) to the Government of Himachal Pradesh welcomed all the participants to the meeting. Based on the discussion held, the following decisions were taken:

1. The Chairperson briefly informed that the purpose of this first meeting is to foster collaboration and knowledge exchange among industry leaders, academia, and stakeholders to create a conducive ecosystem for the development of a robust and sustainable semiconductor ecosystem in the State.

2.   Prof. Rajendra Singh, from IIT Delhi gave a presentation on enabling a vibrant Semiconductor ecosystem in India, in which the opportunities in the semiconductor ecosystem, investment required, Challenges in achieving Self-Reliance in Semiconductors, Supply chain issues in Semiconductor Industry, Semiconductor Ecosystem in India, and skilled workforce development were discussed.

3.   It was discussed that technology advancements are constantly being made in the semiconductor industry. Packing density per chip across technology nodes becomes 7 nanometer (7nm)nm and developments in semiconductor technology have continued since then, and it's possible that newer and more advanced nodes have been introduced.

5.   It was further discussed that achieving self-reliance in semiconductors is a complex and challenging task for us. Semiconductors are a critical component of modern technology, and reducing dependence on foreign suppliers is seen as strategically important. However, there are several challenges in achieving self-reliance, especially when the Government is unable to provide substantial support due to heavy investment requirements.

6.   Academic Institutions can indeed play a key role in the field of semiconductors by contributing to the awareness, research, and development in this area. Further, largest semiconductor companies with their revenue was also apprised.

7.   The meeting deliberated on various aspects of setting up of semiconductor industries or related matters including research labs, R&D, public and private institutions and also the availing of Government of India benefits under relevant schemes. The participants shared their views and suggestions on how to create a conducive ecosystem for the growth of this sector in the State. The meeting also explored the possibilities of collaboration and partnership among different stakeholders to leverage their expertise and resources.

8.   It was also discussed during the meeting that the State like Himachal can focus on manufacturing of sensors, semiconductor packaging and design rather than manufacturing of core semiconductor chips. It can also focus on digital technologies and services that can complement the semiconductor industry. The meeting emphasized that the faculty in the technical institutions in the State can acquire technical knowledge for which technical education department can get in touch with IIMs and IIITs under different schemes of government of India.

9.   During the discussion it was decided that short-term courses on semiconductors may be conducted for the students to promote skilling in the semiconductor industry.

10.   The Secretary (IT) appreciated the inputs and insights of the experts and assured them of the State government's support and facilitation for the development of semiconductor
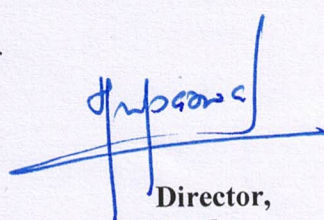
industries in Himachal Pradesh. He said that the State has some potential and opportunities in this field and expressed hope that the meeting would pave the way for further dialogue and action in this direction.

11.   He further informed that the State government has constituted a Chief Minister Council for Digital Governance which also has the mandate to attract IT investment in the State.

12.   The meeting also decided on a future action plan which includes:

➢ Identifying the strong and weak points of the State in terms of infrastructure, human resources, policy framework, and market demand.

➢ Forming a committee to frame the vision, policy and strategy for the promotion of semiconductor industries in Himachal Pradesh.

➢ Establishing strong linkages with MeitY, CII, ELCINA, IESA and other relevant organizations at the national and international level.

➢ Initiating exchange programs with top academic institutions for training and exposure to students from HP who are interested in pursuing careers in this field.

➢ Seeking advice and support from HP people in other States and abroad who are working or have expertise in semiconductor industries or related matters.

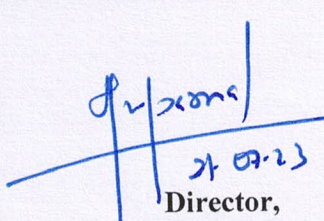Meeting ended with vote of thanks to and from the chair.

Director,
Department of Information Technology,
Himachal Pradesh.

Endst No. DIT-F05(30)/3/2023-IT-DIT –174   **Dated: 21ˢᵗ July, 2023**

Copy forwarded to:-
1. The PS to Chief Secretary to the Government of Himachal Pradesh for information please.
2. The PS to Secretary (IT, Education, Tech. Edu and Secretary to Chief Minister) to the Government of Himachal Pradesh for information please.
3. All members of the meeting
4. Guard File

Director,
Department of Information Technology,
Himachal Pradesh.