

Media/Publication	The Times of India			The Times of India	
Date	15 <sup>th</sup> June, 2024 Language English				
Headline	IIT Bhubaneswar to collaborate with industry to conduct research in compound semiconductor field				
Link	to-collaborate-with-ind	compound semiconductor field <u>https://timesofindia.indiatimes.com/city/bhubaneswar/iit-bhubaneswar-to-collaborate-with-industry-to-conduct-research-in-compound-semiconductor-field/articleshow/111026231.cms</u>			

BHUBANESWAR: IIT Bhubaneswar will collaborate with a private company to conduct research in the field of Compound Semiconductors. As a part of this collaboration, a project will be taken up to indigenize Silicon Carbide (SiC) crystal growth at IIT Bhubaneswar with an estimated cost of Rs 45 crore.

This project would bring in the know-how of high-volume production of 150 mm and 200 mm SiC wafers.

The company also plans to establish a SiC process fabrication and assembly, testing, marking, and packaging (ATMP) plant in Odisha.

To go ahead with this project, the national institute has signed a memorandum of agreement with SiCSem Private Limited for industry-academia collaboration. The company will establish the facility at IIT Bhubaneswar, while the institute will provide manpower for the research and development works.

The product generated through the project can be replicated in a big way through the company's plant. The institute will work as a catalyst in this project, said the official sources.



Shreepad Karmalkar, director of IIT Bhubaneswar and an expert in semiconductor devices, said such type of collaborations will help India to become self-sufficient in power semiconductor devices for advanced technologies such as electric vehicles (EVs), fast chargers, green energy, PV inverters, motor controls, and beyond 5G communication.

He said this collaboration will promote innovation and self-reliance in SiC crystal growth and represents a major industry-academia partnership for IIT Bhubaneswar.

"The collaboration will contribute significantly to the development of the semiconductor ecosystem in Odisha and the nation's semiconductor industry, in line with India Semiconductor Mission, Make in India and Atmanirbhar Bharat initiatives," he added.

Karmalkar said silicon carbide fabs have comparatively lower investment requirements than typical silicon fabs, simpler technology, and potentially significant benefits for India.

"India has to lower its import cost and work towards semiconductor selfsufficiency in light of the expanding demand from a number of industries, including computers and electronics, telecommunications, energy, autos and transportation, and healthcare. For Indian businesses, this is a very promising scenario," he added.

On July 24, 2022, IIT Bhubaneswar had received administrative approval from the ministry of electronics and information technology for implementation of the Chips to Startup (C2S) programme. C2S is a part of the Centre's plan to transform India into the next semiconductor hub.



Media/Publication	The New Indian Express				
Date	17 <sup>th</sup> June, 2024 Language English				
Headline	SiCSem plans plant in Odisha, ties up with IIT				
Link	https://www.newindianexpress.com/states/odisha/2024/Jun/17/sicsem- plans-plant-in-odisha-ties-up-with-iit				

BHUBANESWAR : Chennai-based SiCSem Private Limited has planned to establish a SiC process fabrication and assembly, testing and packaging (ATMP) plant in Odisha.

This will help India become self-sufficient in power semiconductor devices for advanced technologies such as electric vehicles (EVs), fast chargers, green energy, photovoltaic inverters, motor controls, and beyond 5G communication.

The company on Saturday collaborated with Indian Institute of Technology-Bhubaneswar (IIT-BBS) for research in the field of compound semiconductors.

The first project to be carried out as part of the agreement is to indigenise silicon carbide (SiC) crystal growth at IIT Bhubaneswar. Estimated at a cost Rs 45 crore, the project will bring in the know-how of high volume production of 150 mm and 200 mm SiC wafers.

Director of IIT-Bhubaneswar Prof Shreepad Karmalkar, an expert in semiconductor devices, said the collaboration will promote innovation and self-reliance in SiC crystal growth, and represents a major industryacademia partnership.

The partnership will contribute significantly to the development of the semiconductor ecosystem in Odisha and the nation's semiconductor industry in line with India's Semiconductor Mission, Make-in-India and Atmanirbhar Bharat initiatives, he added.



Media/Publication	Odishabytes.com				
Date	15 <sup>th</sup> June, 2024 Language English				
Headline	SiCSem Ties Up With IIT-Bhubaneswar For Research On Compound Semiconductor				
Link		https://odishabytes.com/sicsem-ties-up-with-iit-bhubaneswar-for- research-on-compound-semiconductor/			

Bhubaneswar: SiCSem Private Limited and the Indian Institute of Technology Bhubaneswar (IIT), Bhubaneswar signed a Memorandum of Agreement to collaborate on research in the field of Compound Semiconductors. The first project to be carried out as part of the agreement would indigenise Silicon Carbide (SiC) crystal growth at IIT-Bhubaneswar. Estimated to cost Rs 45 crore, this project would bring in the know-how of high volume production of 150 mm and 200 mm SiC wafers, according to a press release of Ministry of Education on Saturday.

SiCSem Private Limited plans to establish a SiC process fabrication and ATMP plant in Odisha. This will help India become selfsufficient in power semiconductor devices for advanced technologies such as electric vehicles (EVs), fast chargers, green energy, PV inverters, motor controls and beyond 5G communication.

Prof Shreepad Karmalkar, Director of IIT-Bhubaneswar and an expert in semiconductor devices, said the collaboration would promote innovation and self-reliance in SiC crystal growth. It also represents a major industry-academia partnership for the IIT.

"The collaboration will contribute significantly to development of semiconductor ecosystem in Odisha and the nation's semiconductor industry, in line with India Semiconductor Mission, Make in India and Atmanirbhar Bharat initiatives," he added.



Media/Publication	Prameya News.com				
Date	15 <sup>th</sup> June, 2024 Language English				
Headline	SiCSem to collaborate with IIT Bhubaneswar for building Compound Semiconductor ecosystem				
Link		https://www.prameyanews.com/sicsem-to-collaborate-with-iit- bhubaneswar-for-building-compound-semiconductor-ecosystem			

Bhubaneswar, June 15: SiCSem Private Limited and the Indian Institute of Technology Bhubaneswar (IIT) Bhubaneswar signed a Memorandum of Agreement to collaborate on research in the field of Compound Semiconductors.

The first project to be carried out as part of this agreement would indigenize Silicon Carbide (SiC) crystal growth at IIT Bhubaneswar. Estimated to cost Rs 45 crore, this project would bring in the know-how of high volume production of 150 mm and 200 mm SiC wafers. SiCSem Private Limited plans to establish a SiC process fabrication and ATMP plant in Odisha.

This will help India to become self-sufficient in power semiconductor devices for advanced technologies such as electric vehicles (EVs), fast chargers, green energy, PV inverters, motor controls, and beyond 5G communication.

Prof. Shreepad Karmalkar, Director of IIT Bhubaneswar and an expert in semiconductor devices, said that this collaboration will promote innovation and self-reliance in SiC crystal growth, and represents a major industry-academia partnership for IIT Bhubaneswar. The collaboration will contribute significantly to the development of the semiconductor ecosystem in Odisha and the nation's semiconductor industry, in line with India Semiconductor Mission, Make in India and Atmanirbhar Bharat initiatives.



Media/Publication	India Education Diary.com				
Date	15 <sup>th</sup> June, 2024 Language English				
Headline	SiCSem To Collaborate With IIT Bhubaneswar For Building The Compound Semiconductor Ecosystem In India				
Link		https://indiaeducationdiary.in/sicsem-to-collaborate-with-iit- bhubaneswar-for-building-the-compound-semiconductor-ecosystem-in-			

Bhubaneswar : SiCSem Private Limited and the Indian Institute of Technology Bhubaneswar (IIT) Bhubaneswar signed a Memorandum of Agreement to collaborate on research in the field of Compound Semiconductors. The first project to be carried out as part of this agreement would indigenize Silicon Carbide (SiC) crystal growth at IIT Bhubaneswar. Estimated to cost Rs. 45 crore, this project would bring in the know-how of high volume production of 150 mm and 200 mm SiC wafers. SiCSem Private Limited plans to establish a SiC process fabrication and ATMP plant in Odisha. This will help India to become self-sufficient in power semiconductor devices for advanced technologies such as electric vehicles (EVs), fast chargers, green energy, PV inverters, motor controls, and beyond 5G communication. Prof. Shreepad Karmalkar, Director of IIT Bhubaneswar and an expert in semiconductor devices, said that this collaboration will promote innovation and self-reliance in SiC crystal growth, and represents a major industry-academia partnership for IIT Bhubaneswar. The collaboration will contribute significantly to the development of the semiconductor Mission, Make in India and Atmanirbhar Bharat initiatives.



Media/Publication	The Pragativadi.com				
Date	15 <sup>th</sup> June, 2024 Language English				
Headline	IIT-SiCSem to collaborate for building ecosystem for compound semiconductor				
Link		<u>https://pragativadi.com/sicsem-to-collaborate-with-iit-bhubaneswar-</u> <u>for-building-compound-semiconductor-ecosystem-in-india/</u>			

SiCSem Private Limited and the Indian Institute of Technology Bhubaneswar (IIT) Bhubaneswar signed a Memorandum of Agreement to collaborate on research in the field of Compound Semiconductors.

The first project to be carried out as part of this agreement would indigenize Silicon Carbide (SiC) crystal growth at IIT Bhubaneswar. Estimated to cost Rs. 45 crore, this project would bring in the know-how of high-volume production of 150 mm and 200 mm SiC wafers.

SiCSem Private Limited plans to establish a SiC process fabrication and ATMP plant in Odisha. This will help India to become self-sufficient in power semiconductor devices for advanced technologies such as electric vehicles (EVs), fast chargers, green energy, PV inverters, motor controls, and beyond 5G communication.

Prof. Shreepad Karmalkar, Director of IIT Bhubaneswar and an expert in semiconductor devices, said that this collaboration will promote innovation and self-reliance in SiC crystal growth, and represents a major industry-academia partnership for IIT Bhubaneswar.

The collaboration will contribute significantly to the development of the semiconductor ecosystem in Odisha and the nation's semiconductor industry, in line with the India Semiconductor Mission, Make in India and Atmanirbhar Bharat initiatives.



Media/Publication	The Pioneer			
Date	16 <sup>th</sup> June, 2024 Language English			
Headline				
	Building semiconductor ecosystem in India: SiCSem to collaborate with IIT Bhubaneswar			

# Building semiconductor ecosystem in India

SiCSem to collaborate with IIT Bhubaneswar PNS BHUBANESWAR

The SiCSem Private Limited and the Indian Institute of Technology (IIT) Bhubaneswar have signed a Memorandum of Agreement to collaborate on research in the field of Compound Semiconductors.

The first project to be carried out as part of this agreement would indigenise Silicon Carbide (SiC) crystal growth at IIT Bhubaneswar. Estimated to cost Rs 45 crore, the project would bring in the knowhow of high-volume production of 150 mm and 200 mm SiC wafers.

The SiCSem Private Limited plans to establish a SiC process fabrication and ATMP plant in Odisha. This will help India become selfsufficient in power semiconductor devices for advanced technologies such as electric vehicles (EVs), fast chargers, green energy, PV inverters, motor controls and beyond 5G communication.

Prof Shreepad Karmalkar, Director of IIT Bhubaneswar and an expert in semiconductor devices, said this collaboration would promote innovation and self-reliance in SiC crystal growth and represent a major industryacademia partnership for IIT Bhubaneswar. The collaboration will contribute significantly to the development of the semiconductor ecosystem in Odisha and the nation's semiconductor industry in line with the India Semiconductor Mission, Make in India and Atmanirbhar Bharat initiatives.



Media/Publication	The Statesman			
Date	16 <sup>th</sup> June, 2024 Language English			
Headline	SiCSem collaborates with IIT Bhubaneswar for semiconductors			

### SiCSem collaborates with IIT Bhubaneswar for semiconductors

#### STATESMAN NEWS SERVICE BHUBANESWAR, 15 JUNE:

SiCSem Private Limited and the Indian Institute of Technology Bhubaneswar (IIT) Bhubaneswar signed a Memorandum of Agreement to collaborate on research in the field of Compound Semiconductors.

The first project to be carried out as part of this agreement would indigenize Silicon Carbide (SiC) crystal growth at IIT Bhubaneswar. Estimated to cost Rs. 45 crore, this project would bring in the know-how of high volume production of 150 mm and 200 mm SiC wafers.

SiCSem Private Limited plans to establish a SiC process fabrication and ATMP plant in Odisha. This will help India to become self-sufficient in power semiconductor devices for advanced technologies such as electric vehicles (EVs), fast chargers, green energy, PV inverters, motor controls, and beyond 5G communication.

Prof. Shreepad Karmalkar, Director of IIT Bhubaneswar and an expert in semiconductor devices, said that this collaboration will promote innovation and self-reliance in SiC crystal growth, and represents a major industryacademia partnership for IIT Bhubaneswar.



Media/Publication	The Political & Business Daily			
Date	16 <sup>th</sup> June, 2024 Language English			
Headline	IIT Bhubaneswar propagates Open-Source Movement			

### SiCSem, IIT Bhubaneswar partner to advance Compound Semiconductor ecosystem in India

#### PBD BUREAU

BHUBANESWAR, JUN 15

SICSEM Private Limited and the Indian Institute of Technology Bhubaneswar (IIT Bhubaneswar) have entered into an agreement aimed at pioneering research in Compound Semiconductors. The partnership's inaugural project will focus on indigenous Silicon Carbide (SiC) crys-



tal growth, with an estimated investment of Rs. 45 crore. This initiative aims to

establish high-volume production capabilities for 150 mm and 200 mm SiC wafers, crucial for advancing technologies such as electric vehicles (EVs), green energy solutions, and beyond 5G communications.

As part of this collabo-

ration, SiCSem Private Limited plans to establish a SiC process fabrication and ATMP (Assembly, Testing, Marking, and Packaging) plant in Odisha. This strategic move is poised to bolster India's self-sufficiency in power semiconductor devices, reinforcing national initiatives such as the India Semiconductor Mission, Make in India, and Atmaniphar Bharat.

Prof. Shreepad

Karmalkar, Director of IIT Bhubaneswar and a semiconductor devices expert, emphasized that this collaboration marks a significant stride towards fostering innovation and selfreliance in SiC crystal growth He highlighted the partnership's potential to catalyze the semiconductor ecosystem in Odisha, contributing to the nation's semiconductor industry at large.



Media/Publication	The Orissa Post			
Date	16 <sup>th</sup> June, 2024 Language English			
Headline	MoU inked to boost research on semiconductors			

### MoU inked to boost research on semiconductors

The collaboration between IIT- Bhubaneswar and SiCSem Private Limited will contribute significantly in line with India Semiconductor Mission, Make in India and Atmanirbhar Bharat initiatives

POS7 NEWS NETWORK

Bhubaneswar, June 15: Indian Institute of Technology (IIT) Bhubaneswar signed a Memorandum of Agreement with SiCSem Private Limited for collaborative research in the field of compound semiconductors here, Saturday

The foremost project to be carried under the agreement is to indigenise Silicon Carbide (SiC) crystal growth at IIT-Bhubaneswar. Estimated at a cost of ₹45 crore, this project would solve the basics of high volume production of 150mm and 200mm SiC wafers.

Director of IIT-Bhubaneswar Shreepad Karmalkar said, "The



collaboration will promote innovation and self-reliance in SiC crystal growth, and will represent a major industry-academia

partnership for the university. The collaboration will contribute significantly in line with India Semiconductor Mission, Make in India and Atmanirbhar Bharat initiatives."

SICSem Private Limited plans to establish a SiC process fabrication and ATMP plant in the state. This will help the state to become self-sufficient in power semiconductor devices for advanced technologies such as electric vehicles (EVs), fast chargers, green energy, PV inverters, motor controls, and beyond 5G communications.



Media/Publication	The Around Odisha			
Date	17 <sup>th</sup> June, 2024 Language English			
Headline	SiCSem To Collabora Compound Semiconduc	te With IIT Bhubanesy ctor Ecosystem In India	war For Building The	

### SiCSem to collaborate with IIT Bhubaneswar for building the Compound Semiconductor ecosystem in India

Bhubaneswar, SiCSem Private Limited and the Indian Institute of Technology Bhubaneswar (IIT) Bhubaneswar signed a Memorandum of Agreement to collaborate on research in the field of Compound Semiconductors. The first project to be carried out as of this part agreement would indigenize Silicon Carbide (SiC) crystal growth at IIT Bhubaneswar. Estimated to cost Rs. 45 crore, this project would bring in the know-how of

high volume production of 150 mm and 200 mm SiC wafers. SiCSem Private Limited plans to establish a SiC process fabrication and ATMP plant in Odisha. This will help India to become self-sufficient in power semi conductor devices advanced for technologies such as electric vehicles (EVs), fast chargers, green energy, PV inverters, motor controls, and beyond 5G communication. Prof. Shreepad Karmalkar, Director of IIT Bhubaneswar

and an expert in semiconductor devices, said that this collaboration will promote innovation and self-reliance in SiC crystal growth, and represents a major industryacademia partnership for IIT Bhubaneswar. The collaboration will contribute significantly to the development of the semiconductor ecosystem in Odisha and the nation's semiconductor industry, in line with India Semiconductor Mission, Make in India and Atmanirbhar Bharat initiatives.



Media/Publication	The Samaja			
Date	16 <sup>th</sup> June, 2024 Language Odia			
Headline	IIT Bhubaneswar to build Semiconductor Ecosystem			

ଆଇଆଇଟିରେସେମିକଶ୍ଚକୁର ଇକୋ ସିଷ୍ଟମନିର୍ମାଣହେବ

ଜଟଣୀ, ୧୫୧୬(ନି.ପୁ): କମ୍ପାରଣ୍ଡ ସେମିକଣ୍ଡକ୍ରର କ୍ଷେତ୍ରରେ ଅନୁସକ୍ଷାନ ନିମନ୍ତେ ସନଯୋଗ କରିବାକୁ ସିକ୍ଟେମ ପ୍ରାଇଭେଟ ଲିମିଟେଡ଼ ଏବଂ ଆଇଆଇଟି ଭୁବନେଶ୍ୱର ମଧ୍ୟରେ ତୁକ୍ତିପତ୍ର ସାକ୍ଷରିତ ହୋଇଛି । ଏହି ତୁଲ୍ଲିନାମାରେ ଅଂଶ ଭାବରେ କାର୍ଯ୍ୟକାରୀ ହେବାକୁ ଥବା ପ୍ରଥମ ପ୍ରକଳ୍ପ ଆଇଆଇଟି ଭୁବନେଶ୍ୱରରେ ସିନିକନ କାର୍ବାଇତ କିଷ୍କାର ଅନିହୁଦ୍ଧିକ ସ୍ତଦେଶୀ କରିବା ଲାଗି ଆନୁମାନିକ ୪୫ କୋଟି ଟଙ୍କା ବ୍ୟୟ ଅଟକନ ପ୍ରସ୍ତୁତ ହୋଇଛି । ଏହି ପ୍ରକଳ୍ପ ୧୫୦ ମିଲିମିଟର ଏବଂ ୨୦୦ ମିଲିମିଟର ସିସି ଷାପର୍ର ଜୟାଦନ ବିଷରରେ ଅନୁସନ୍ଧାନ କରିବ ବୋଲି କଶାପଡ଼ିଛି । ଓଡ଼ିଶାରେ ସିକ୍ଟେମ ପାଇରେଟ ଲିମିଟେଡ ଏକ ସିସି ପୋସେସ୍ ପ୍ୟାର୍ବିନେସନ ଏବଂ ଏଟିଏମସି ପ୍ରାଣ୍ଡ ପ୍ରତିଷ୍ଠା କରିବାଜ ଯୋଜନା କରିଛି । ଏହା ବୈଦ୍ୟୁତିକ ଯାନ, ଫାଷ୍ଟ ଚାଜର, ସବୁଜ ଶକ୍କି, ପିଭି ଇନଜରର, ମୋଟର ନଣ୍ଟୋଲ ଏବଂ ୫-ଜି ପରି ଉନ୍ନତ ଞ୍ଜାନ ନୌଶନ ପାଇଁ ପାର୍ଷାର ସେମି କଷ୍ଠକୁର ଉପକରଣ ନିର୍ମାଣରେ ଆମ୍ପନିର୍ଭରଶୀନ କରିବାରେ ସାହାଯା କରିବ । ଆଇଆଇଟିର ନିର୍ଦ୍ଦେଶକ ତଥା ସେମି କଣ୍ଡକୃର ଉପକରଣ ବିଶେଷଞ୍ଜ ସଫେସର ଶ୍ୱାସଦ କର୍ମଳଳର ଯୋଗ ଦେଇ ସିସି କିଷ୍କାଲ ଅଲିକୃଦ୍ଧିରେ ନବସ୍କଳନ ଏବଂ ଆମ୍ଭ ନିର୍ଲରଶାଳତାକୁ ପ୍ରୋସାହିତ କରିବ ଦୋଲି କହିଥିଲେ ।

ଆଇଆଇଟି ଭୁବନେଶ୍ୱର ପାଇଁ ଏକ ପ୍ରମୁଖ ଶିଳ୍ପ ଏକାଡ଼େମା ଭାଗିବାରୀକୁ ପ୍ରତିନିଧିହ କରିବ । ଏହାର ମୂଳଲକ୍ଷ୍ୟ ବୋଲି ଜଣାପଡ଼ିଛି । ଭାଗତର ସେମି କଣ୍ଡକୃର ଇକୋସିଷ୍ଟମର ବିକାଶ ତଥା ଦେଶର ସେମି କଣ୍ଡବୃର ଶିଳ୍ପର ବିକାଶର ଏହା ଯଥେଷ୍ଟ ସହାଯଳ ହେବ ବୋଇି ନୂହାଯାଇଛି । ଯାହାକି ଭାଗତ ସେମି କଣ୍ଡକୃର ମିଶନ, ମେକ୍ ଇନ ଇଣ୍ଡିଆ ଏବଂ ଆତ୍ୟ ନିର୍ବରଶଳ ଭାରତ ଆଦି ଉପରେ ଆଧାରିତ ହେବ ବୋଲି ସେ କହିଥିଲେ ।



Media/Publication	The Sambad				
Date	17 <sup>th</sup> June, 2024 Language Odia				
Headline	MoU signed for buildi India	ng ecosystem for compo	ound semiconductors in		

### ଭାରତରେ କମ୍ଫାଉଣ୍ଡ୍ ସେମିକଣ୍ଡକ୍ଟର ଇକୋସିଷ୍ଟମ୍ ନିର୍ମାଣ ପାଇଁ ଚୁକ୍ତି ସ୍ୱାକ୍ଷର

ଜଟଣୀ, ୧୬/୬(ଇମିସ): କମ୍ପାଉଣ୍ଡ ସେମିକଣ୍ଡକ୍ଟର କ୍ଷେତ୍ରେ ଅନୁସନ୍ଧାନ ଲାଗି ସହଯୋଗ କରିବାକୁ ସିକ୍କେମ୍ ପାଇଭେଟ୍ ଲିମିଟେଡ଼ ଓ ଭାରତୀୟ ପ୍ୱଯୁକ୍ତିବିଦ୍ୟା ପ୍ରତିଷ୍ଠାନ(ଆଇଆଇଟି) ପକ୍ଷରୁ ଏକ ବୁକ୍ତି ସ୍ୱାକ୍ଷର ହୋଇଯାଇଛି। ଏହି ବୁକ୍ତିନାମାର ଅଂଶ ଭାବରେ କାର୍ଯ୍ୟକାରୀ ହେବାକୁ ଥିବା ପଥମ ପକଲ୍ଧ ଆଇଆଇଟିରେ ସିଲିକନ୍ କାର୍ବାଇଡ଼ (ସିସି) କିଷ୍ଟାଲ୍ ଅଭିବୃଦ୍ଧି କରିବ। ୪୫ କୋଟି ଟଙ୍କା ବ୍ୟୟରେ ହେବାକ ଥିବା ଏହି ପ୍ରକଲ୍କ ୧୫୦ ମିଲିମିଟର ଏବଂ ୨୦୦ ମିଲିମିଟର ସିସି ୱାଫର୍ ଉଚ୍ଚ ପରିମାଣର ଉତ୍ପାଦନ ଉପରେ ଅନୁସନ୍ଧାନ କରିବ। ସିକ୍ଟେମ୍ ପ୍ରାଇଭେଟ୍ ଲିମିଟେଡ୍ ଓଡ଼ିଶାରେ ଏକ ସିସି ପୋସେସ୍ ଫ୍ୟାବିକେସନ୍ ଏବଂ ଏଟିଏମ୍ପି ପ୍ରାଣ୍ଟ ପ୍ରତିଷ୍ଠା କରିବାକୁ ଯୋଜନା କରିଛି। ଏହା ବୈଦ୍ୟୁତିକ ଯାନ (ଇଭି), ଫାଷ୍ଟ ଚାର୍ଜର, ସବୁଜ ଶକ୍ତି, ପିଭି ଇନ୍ଭର୍ଟର, ମୋଟର କଣ୍ଟୋଲ ଏବଂ ୫ଜି ଯୋଗାଯୋଗ ପରି ଉନୁଡ ଜ୍ଞାନକୌଶଳ ପାଇଁ ପାୱାର ସେମିକ୍ଷକ୍ଟର ଉପକରଣ ନିର୍ମାଣରେ ଭାରତକୁ ଆତୁନିର୍ଭରଶୀଳ କରିବାରେ ସାହାଯ୍ୟ କରିବ। ଏହି ଅବସରରେ ଆଇଆଇଟିର ନିର୍ଦ୍ଦେଶକ ତଥା ସେମିକାଞ୍ଚକ୍ଟର ଉପକରଣଗୁଡ଼ିକର ବିଶେଷଜ୍ଞ ପ୍ରଫେସର ଶୀପଦ୍ କର୍ମଲ୍କର୍ କହିଛନ୍ତି ଯେ ଏହି ସହଯୋଗ ସିସି କିଷ୍ଟାଲ ଅଭିବର୍ଦ୍ଧିରେ ନବସୂଜନ ଏବଂ ଆତୁନିର୍ଭରଶୀଳତାକୁ ପ୍ରୋତ୍ସାହିତ କରିବ। ଆଇଆଇଟି ପାଇଁ ଏକ ପମୁଖ ଶିଲ୍ପ ଏକାଡେମୀ ଭାଗିଦାରୀକୁ ମଧ୍ୟ ପ୍ରତିନିଧିତ୍ୱ କରିବ। ଏହି ସହଯୋଗ ଭାରତରେ ସେମିକ୍ଷକ୍ଟର ଇକୋସିଷ୍ଟମ୍ବର ବିକାଶ ତଥା ଦେଶର ସେମିକା୍ଡକ୍ଟର ଶିଲ୍ସର ବିକାଶରେ ଯଥେଷ୍ଟ ସହାୟକ ହେବ, ଯାହାକି ଇଞ୍ଚିଆ ସେମିକଞ୍ଚକ୍ଟର ମିସନ, ମେକ୍ ଇନ୍ ଇଞ୍ଚିଆ ଏବଂ ଆଡୁନିର୍ଭର ଭାରତ ପଦକ୍ଷେପ ଉପରେ ହିଁ ଆଧାରିତ ଅଟେ।



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Headline	IIT-SiCSem to collab semiconductor	orate for building eco	system for compound

# କମ୍ପାଉଣ ସେମି କଣ୍ଡକ୍ତର ଇକୋ ସିଷ୍ଟମ ନିର୍ମାଣ ପାଇଁ ଆଇଆଇଟି-ସିକ୍ସେମ୍ ଚୁକ୍ତିନାମା

ଜଟଶୀ,୧୬୮୬(ଆପ୍ର): କମ୍ପାଉଷ୍ତ ସେମି କଷ୍ଠକର କ୍ଷେତ୍ରରେ ମିଳିତ ସହଯୋଗରେ ଅନୁସନ୍ଧାନ କରିବା ପାଇଁ ଜଟଶୀସ୍ଥିତ ଭାରତୀୟ ପ୍ରଯୁକ୍ତି ବିଦ୍ୟା ପ୍ରତିଷ୍ଠନ (ଆଇଆଇଟି) ଓ ସିକ୍ସେମ୍ ପ୍ରାଇଭେଟ୍ ଲିମିଟେଡ୍ ବୁକ୍ତିନାମା ଷ୍ମକ୍ଷରିତ କରିଛଡି । ବୁକ୍ତିନାମା ଅନୁଯାୟୀ ଏହି ଆଇଆଇଟିରେ ସିଲିକନ୍ କାର୍ବାଇଡ୍ କ୍ରିଷ୍ଟାଲର ସ୍ୱଦେଶୀ ବିକାଶ କରିବା ପ୍ରମୁଖ ଲକ୍ଷ୍ୟ ରହିଛି । ଏହି ପ୍ରକଞ୍ଚ ୪୫ କୋଟି ଟଙ୍କା ବ୍ୟୟ ଅଟକଳରେ ୧୫୦ ମିଲିମିଟର ଓ ୨୦୦ ମିଲିମିଟର ସିସି ୱ୍ୱାଫର୍ର ଉଚ୍ଚ ପରିମାଣର ଉତ୍ପାଦନ ଉପରେ ଅନୁଧାନ କରିବ । ସିକ୍ସେମ୍ ପ୍ରାଇଭେଟ୍ ମିଲିଟେଡ୍ ଓଡ଼ିଶାରେ ଏକ ସିସି ପ୍ରୋସେସ୍ ଫାବ୍ରିକେସନ୍ ଓ ଏଟିଏମ୍ପି ପ୍ଲାଣ୍ଟ ପ୍ରତିଷା କରିବା ପୋଜନା କରିଛି । ଏଥିରେ ବୈଦ୍ୟୁତିକ ଯାନ, ଫାଷ୍ଟ ଚାର୍ଜର, ସବୁଜ ଶକ୍ତି, ପିଭି ଇନ୍ଭର୍ଟର, ମୋଟର କଂଟ୍ରୋଲ ଓ ୫କି ସଂଚାର ପରି ଉନ୍ନତ ଜ୍ଞାନ କୌଶଳର ପାଓ୍ୱାର ସେମି କଷ୍ଟକର ନିର୍ମାଣରେ ଭାରତକୁ ଆଦ୍ରୁ ନିର୍ଭରଶୀଳ କରିବାରେ ପ୍ରମୁଖ ଭୂମିକା ଗ୍ରହଣ

କରିବ । ଏହି ଅବସରରେ ଆଇଆଇଟି ନିର୍ଦ୍ଦେଶକ ତଥା ସେମିକଷକ୍ତର ଉପକରଣର ବିଶେଷଜ୍ଞ ପ୍ରଫେସର ଶ୍ରୀପଦ କରମଲକର କହିଛଡି ଏହା ସିସି କ୍ରିଷ୍ଣଲ ଅଭିବୃଦ୍ଧିରେ ନବସୃଜନ ଓ ଆହୁନିର୍ଭରଶୀଳତାକୁ ପ୍ରୋସାହିତ କରିବା ସହ ଆଇଆଇଟି ପାଇଁ ପ୍ରମୁଖ ଶିଚ୍ଚ-ଏକାଡେମୀ ଭାଗୀଦାରୀକୁ ପ୍ରତିନିଧିତ୍ୱ କରିବ । ଏହା ଭାରତରେ ସେମିକଷକ୍ତର ଇକୋ ସିଷ୍ଟମର ବିକାଶ ତଥା ଦେଶର ସେମିକଷକ୍ତର ଶିକ୍ତର ବିକାଶରେ ଯଥେଷ୍ଟ ସହାୟକ ହେବ ବୋଲି କହିଥିଲେ ।



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## କମ୍ପାଉଣ୍ଡ ସେମିକଣ୍ଡକ୍ଟର ଇକୋସିଷ୍ଟମ୍ ଆଇଆଇଟି ଭୁବନେଶ୍ୱର-ସିକ୍ସେମ ସହଭାଗିତା

#### 🔳 ଜଟଣୀ,ତା ୧୫।୬(ପିଏନଏସ):

ସେମିକଶ୍ଚକର କମ୍ପାଉଣ୍ଡ କ୍ଷେତ୍ରରେ ସହଯୋଗ କରିବାକୁ ଅନ୍ସସନ୍ଧାନରେ ସିକ୍ସେମ ପାଇଭେଟ ଲିମିଟେଡ୍ର ଏବଂ ଭାରତୀ ପ୍ରପ୍ରକ୍ତିବିଦ୍ୟା ପୂତିଷ୍ଠାନ (ଆଇଆଇଟି) ଭବନେଶ୍ୱର ଏକ ମେମୋରେଣ୍ଡମ ଅପ୍ ଆଗ୍ରିମେଣ୍ଟ ସ୍ୱାକ୍ଷର କରିଛନ୍ତି । ଏହି ବକ୍ତିନାମାରେ ଅଂଶ ଭାବରେ କାର୍ଯ୍ୟକାରୀ ହେବାକୁ ଥିବା ପୃଥମ ପ୍ରକଳ୍ପ ଆଇଆଇଟି ଭବନେଶ୍ୱର ସିଲିକନ୍ କାର୍ବାଇଡ (ସିସି) କ୍ରିଷ୍ଟାଲ ଅଭିବୃଦ୍ଧିକୁ ସଦେଶା କରିବ l ଆନୁମାନିକ ମୂଲ୍ୟ ୪୫କୋଟି ଟଙ୍କା ବ୍ୟୟ ଆକଳିତ ଏହି ପ୍ରକଳ୍ପ ୧୫୦ମିଲିମିଟର ଏବଂ ୨୦୦ ମିଲିମିଟର ସିସି ଓ୍ୱାଫର୍ ଉଚ୍ଚ ପରିମାଣର ଉତ୍ପାଦନ ବିଷୟରେ ଅନୁସନ୍ଧାନ କରିବ । ସିକ୍ସେମ ପ୍ରାଇଭେଟ ଲିମିଟେଡ୍ର ଓଡ଼ିଶାରେ ଏକ ସିସି ପୋସେସ୍ ଫ୍ୟାବିକେସନ ଏଙ୍କ ଏଟିଏମ୍ପି ପ୍ରାଣ୍ଟ ପ୍ରତିଷ୍ଠା କରିବାକୁ ଯୋଜନା କରିଛି । ଏହା ବୈଦ୍ୟୁତିକ ଯାନ (ଇଭି), ଫାଷ୍ଟ ଚାର୍ଚ୍ଚର, ସବ୍ରଜ

ଶକ୍ତି, ପିଭିଇନଭର୍ଟର, ମୋଟର କଣ୍ଟୋଲ ଏବଂ ୫ଚ୍ଚି ଯୋଗାଯୋଗ ଘରି ଉନ୍ନତ ଜ୍ଞାନକୌଶଳ ପାଇଁ ପାଞ୍ଚାରି ସେମିକଣ୍ଡକ୍ଟର ଉପକରଣ ନିର୍ମାଣରେ 🖉 ଭାରତଙ୍କୁ ଆତ୍ମନିର୍ଭରଶାଳ କରିବାରେ ସାହାଯ୍ୟ କରିବ । ଆଇଆଇଟି ଭୁବନେଶ୍ୱର ନିର୍ଦ୍ଦେଶକ ତଥା ସେମିକଶ୍ଚକର ଉପକରଣଗଡିକ ବିଶେଷଜ୍ଞ ପପେଂସର ଶାପଦ କରମ୍ପଲକର କହିଛନ୍ତି ଯେ ଏହି ସହଯୋଗ ସିସି କିଷ୍ଣାଲ ଅଭିବର୍ଦ୍ଧିରେ ନବସ୍ତ୍ରନ ଏବଂ ଆମନିର୍ଭରଶୀଳତାକ୍ର ପୋସ୍ପାହିତ କରିବ ଏବଂ ଆଇଆଇଟି ଭୁବନେଶ୍ୱର ପାଇଁ ଏକ ପମୁଖ ଶିଳ୍ପ-ଏକାଡେମୀ ଭାଗିଦାରୀକୁ ପ୍ରତିନିଧିତ୍ୱ କରିବ l ଏହି ସହଯୋଗ ଭାରତରେ ସେମିକଷ୍ଡକ୍ଟର ଇକୋସିଷ୍ଟମର ବିକାଶ ତଥା ଦେଶର ସେମିକଣ୍ଡକ୍ଟର ଶିଳ୍ପର ବିକାଶରେ ଯଥେଷ୍ଟ ସହାୟକ ହେବ, ଯାହା କି ଇଶ୍ଡିଆ ସେମିକଷକ୍ତର ମିଶନ, ମେକ୍ ଇନ୍ ଇଷ୍ଡିଆ ଏବଂ ଆତ୍ମନିର୍ଭର ଭାରତ ପଦକ୍ଷେପ ଆଦିର ଧ୍ୟେୟ ଉପରେ ହିଁ ଆଧାରିତ ।



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### ଭାରତରେ କମ୍ପାଉଶ୍ଭ ସେମିକଶ୍ଚକ୍ସର ଇକୋସିଷ୍ଟମ ନିର୍ମାଣ ପାଇଁ ଆଇଆଇଟି ଭୁବନେଶ୍ୱରକୁ ସହଯୋଗ କରିବ ସିକ୍ସେମ ପ୍ରାଇଭେଟ ଲିମିଟେଡ଼

ଭୁବନେଶ୍ୱର,୧୫।୬(ନି.ପ୍ର.): କମ୍ପାଉଣ୍ଟ 🚽 ଇନଭର୍ଟର, ମୋଟର କଣ୍ଡ୍ରୋଲ ଏବଂ ୫ିକ ଅନ୍ଥସନ୍ଧାନରେ ସହଯୋଗ କରିବାକ୍ରୁ ସିକ୍ସେମ ପ୍ରାଇଭେଟ ଲିମିଟେଡ୍ ଏବଂ ଭାରତୀୟ ପ୍ରଯୁକ୍ତିବିଦ୍ୟା ପ୍ରତିଷ୍ଠାନ (ଆଇଆଇଟି) ଭୁବନେଶ୍ୱର ଏକ ମେମୋରେ଼କମ ଅଫ୍ ଆଗ୍ରିମେଷ୍ଟ <mark>ସ୍ୱାକ୍ଷର କରିଛନ୍ତି। ଏହି ଚୁକ୍ତିନାମାର ଅଂଶ</mark> ଭାବରେ କାର୍ଯ୍ୟକାରୀ ହେବାକୁ ଥିବା ପ୍ରଥମ ପ୍ରକଳ୍ପ ଆଇଅଁାଇଟି ଭୁବନେଶ୍ୱରରେ ସିଲିକନ୍ କାର୍ବାଇଡ଼ (ସିସି) କ୍ରିଷ୍ଟାଲ ଅଭିବୃଦ୍ଧିକୁ ସ୍ୱଦେଶୀ କରିବା ଆନୁମାନିକ ମୂଲ୍ୟ ୪୫ କୋଟି । ଭୁବନେଶ୍ୱର ପାଇଁ ଏକ ପ୍ରମୁଖ ଶିଳ୍ପ-ଟଙ୍କା ବ୍ୟୟ ଆକଳିତ ଏହି ପ୍ରକଳ୍ପ ୧୫୦ 🛛 🛛 ଏକାଡେମୀ ଭାଗିଦାରୀକୁ ପ୍ରତିନିଧିତ୍ୱ ମିଲିମିଟର ଏବଂ ୨୦୦ ମିଲିମିଟର ସିସି 🔰 କରିବ । ଏହି ସହଯୋଗ ଭାରତରେ ୱାଫରର ଉଚ୍ଚ ପରିମାଶର ଉତ୍ପାଦନ ସେମିକଷ୍ଟ୍ରକର ଇକୋସିଷ୍ଟମର ବିକାଶ ବିଷୟରେ ଅନୁସନ୍ଧାନ କରିବଛ ସିକ୍ଳେମ 🛛 ତଥା ଦେଶର ସେମିକଶ୍ଚକର ଶିଳ୍ପର ପ୍ରାଇଭେଟ ଲିମିଟେଡ୍ ଓଡ଼ିଶାରେ ଏକ ସିସି ପ୍ରୋସେସ୍ ଫ୍ୟାବ୍ରିକେସନ୍ ଏବଂ ଏଟିଏମପି ପ୍ଲାଣ୍ଡ ପ୍ରତିଷ୍ଠା କରିବାକୁ ଯୋଜନା କରିଛି। ଏହା ବୈଦ୍ୟୁତିକ ଯାନ (ଇଭି), ଫାଷ୍ଟ ଚାର୍ଚ୍ଚର, ସବୁଚ୍ଚ ଶକ୍ତି, ପିଭି

ପାଇଁ ପାୱାର ସେମିକଣ୍ଡକ୍ରର ଉପକରଣ ନିର୍ମାଣରେ ଭାରତକୁ ଆତ୍ମନିର୍ଭରଶୀଳ କରିବାରେ ସାହାଯ୍ୟ କରିବ।

<mark>ଆଇଆଇଟି ଭୁବନେଶ୍ୱରର</mark> ନିର୍ଦ୍ଦେଶକ ତଥା ସେମିକ୍ଷକ୍ଟର ଉପକରଣଗୁଡ଼ିକର ବିଶେଷଜ୍ଞ ପ୍ରଫେସର ଶ୍ରୀପଦ୍ କରମଲକର କହିଛନ୍ତି ଯେ ଏହି ସହଯୋଗ ସିସି କ୍ରିଷ୍ଣାଲ ଅଭିବୃଦ୍ଧିରେ ନବସୂଚ୍ଚନ ଏବଂ ଆତ୍ମନିର୍ଭରଶୀଳତାକୁ <mark>ୁପ୍ରୋହାହିତ କରିବ ଏବଂ ଆଇଆଇଟି</mark> ବିକାଶରେ ଯଥେଷ୍ଟ ସହାୟକ ହେବ. ଯାହା କି ଇଶ୍ଚିଆ ସେମିକଣ୍ଡକ୍ରର ମିଶନ, ମେକ୍ ଇନ୍ ଇଶ୍ଚିଆ ଏବଂ ଆତ୍ସନିର୍ଭର ଭାରତ ପଦକ୍ଷେପ ଆଦିର ଧ୍ୟେୟ ଉପରେ ହିଁ ଆଧାରିତ।



Media/Publication	Azad Sipahi		
Date	16 <sup>th</sup> June, 2024	Language	Hindi
Headline	IIT-SiCSem to collab semiconductor	orate for building eco	system for compound

# भारत में कंपाउंड सेमीकंडक्टर पारिस्थितिकी तंत्र के निर्माण के लिए आइआइटी भुवनेश्वर के साथ सहयोग करेगा सीआइसीएसइएम

और सेमीकंडक्टर उपकरणों के का प्रतिनिधित्व करता है। यह सहयोग भारत सेमीकंडक्टर मिशन, भारत पहल के अनुरूप ओड़िशा में करोड़ रुपये की लागत वाली यह आइआइटी भूवनेश्वर के निदेशक विकास में महत्वपूर्ण योगदान देगा।

परियोजना 150 मिमी और 200 मिमी रूउ वेफर्स के उच्च मात्रा में विशेषज्ञ प्रोफेसर श्रीपाद कर्मलकर उत्पादन की जानकारी लायेगी। ने कहा कि यह सहयोग क्रिस्टल प्राइवेट लिमिटेड ने ओड़िशा में विकास में नवाचार और लिमिटेड ने कंपाउंड सेमीकंडक्टर्स प्रक्रिया निर्माण और एटीएमपी संयंत्र आत्मनिर्भरता को बढावा देगा, और के क्षेत्र में अनुसंधान पर सहयोग स्थापित करने की योजना बनायी आइआइटी भुवनेश्वर के लिए एक करने के लिए एक समझौता ज्ञापन है। इससे भारत को इलेक्ट्रिक वाहन प्रमुख उद्योग-अकादमिक साझेदारी पर हस्ताक्षर किए हैं। इस समझौते (ईवी), फास्ट चार्जर, हरित ऊर्जा, के तहत की जाने वाली पहली पीवी इनवर्टर, मोटर नियंत्रण और परियोजना आइआइटी भुवनेश्वर में 5जी संचार से परे उन्नत मेक इन इंडिया और आत्मनिर्भर सिलिकॉन कार्बाइड क्रिस्टल का प्रौद्योगिकियों के लिए पावर स्वदेशी विकास होगा। रुपये की सेमीकंडक्टर उपकरणों में सेमीकंडक्टर पारिस्थितिकी तंत्र अनुमानित लागत के साथ। 45 आत्मनिर्भर बनने में मदद मिलेगी। और देश के सेमीकंडक्टर उद्योग के

आजाद सिपाही संवाददाता भवनेश्वर। भारतीय प्रौद्योगिकी संस्थान (आइआइटी) भुवनेश्वर और सीआइसीएसइएम प्राइवेट



Media/Publication	IBG News.com				
Date	15 <sup>th</sup> June, 2024 Language English				
Headline	IIT-SiCSem to collaborate for building ecosystem for compound semiconductor				
Link	https://ibgnews.com/2024/06/15/sicsem-to-collaborate-with-iit- bhubaneswar-for-building-the-compound-semiconductor-ecosystem-in- india/				

SiCSem to collaborate with IIT Bhubaneswar for building the Compound Semiconductor ecosystem in India







SiCSem to collaborate with IIT Bhubaneswar for building the Compound Semiconductor ecosystem in India

**Bhubaneswar, 15<sup>th</sup> June 2024:** SiCSem Private Limited and the Indian Institute of Technology Bhubaneswar (IIT) Bhubaneswar signed a Memorandum of Agreement to collaborate on research in the field of Compound Semiconductors. The first project to be carried out as part of this agreement would indigenize Silicon Carbide (SiC) crystal growth at IIT Bhubaneswar. Estimated to cost Rs. 45 crore, this project would bring in the knowhow of high volume production of 150 mm and 200 mm SiC wafers. SiCSem Private Limited plans to establish a SiC process fabrication and ATMP plant in Odisha. This will help India to become self-sufficient in power semiconductor devices for advanced technologies such as electric vehicles (EVs), fast chargers, green energy, PV inverters, motor controls, and beyond 5G communication.

Prof. Shreepad Karmalkar, Director of IIT Bhubaneswar and an expert in semiconductor devices, said that this collaboration will promote innovation and self-reliance in SiC crystal growth, and represents a major industry-academia partnership for IIT Bhubaneswar. The collaboration will contribute significantly to the development of the semiconductor ecosystem in Odisha and the nation's semiconductor industry, in line with India Semiconductor Mission, Make in India and Atmanirbhar Bharat initiatives.



Media/Publication	Kalinga Voice.com				
Date	15 <sup>th</sup> June, 2024 Language English				
Headline	SiCSem To Collaborate With IIT Bhubaneswar For Building The Compound Semiconductor Ecosystem In India				
Link	https://kalingavoice.com/odisha/sicsem-to-collaborate-with-iit- bhubaneswar-for-building-the-compound-semiconductor-ecosystem-in- india/				

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Media/Publication	Shashak Prashashak.com				
Date	15 <sup>th</sup> June, 2024 Language Odia				
Headline	SiCSem To Collaborate With IIT Bhubaneswar For Building The Compound Semiconductor Ecosystem In India				
Link	https://shasakprashasak.com/index.php/state/41522-2024-06-15-11-08- 04				

ଭାରତରେ କମ୍ପାଉଶ୍ତ ସେମିକଶ୍ଚକ୍ଟର ଇକୋସିଷ୍ଟମ ନିର୍ମାଣ ପାଇଁ ଆଇଆଇଟି ଭୁବନେଶ୍ୱର ସହିତ ସହଯୋଗ କରିବ ସିକ୍ସେମପ୍ରାଇଭେଟ ଲିମିଟେଡ୍

🗂 15 JUNE 2024 💿 HITS: 43 RATING: 🟠 🟠 🟠 🟠

ଭୁବନେଶ୍ୱର, ୧୫ କୁନ୍ ୨୦୨୪: କମ୍ପାଉଷ୍ଟ ସେମିକଷକୃର ଷେତ୍ରରେ ଅନୁସନ୍ଧାନରେ ସହଯୋଗ କରିବାକୁ ସିକ୍ସେମ ପ୍ରାଇଭେଟ ଲିମିଟେତ୍ ଏବଂ ଭାରତୀୟ ପ୍ରଯୁକ୍ତିବିଦ୍ୟା ପ୍ରତିଷ୍ଠାନ (ଆଇଆଇଟି) ଭୁବନେଶ୍ୱର ଏକ ମେମୋରେଷମ ଅଫ୍ ଆଗ୍ରିମେଷ୍ଟ ସ୍ୱାକ୍ଷର କରିଛନ୍ତି। ଏହି ଚୁକ୍ତିନାମାର ଅଂଶ ଭାବରେ କାର୍ଯ୍ୟକାରୀ ହେବାକୁ ଥିବା ପ୍ରଥମ ପ୍ରକନ୍ତ୍ର ଆଇଆଇଟି ଭୁବନେଶ୍ୱରରେ ସିଲିକନ୍ କାର୍ବାଇଡ୍ (ସିସି) କ୍ରିଷ୍ଟାଲ ଅଭିବୃଦ୍ଧିକୁ ସ୍ୱଦେଶୀ କରିବାଆନୁମାନିକ ମୂଲ୍ୟ ୪୫ କୋଟି ଟଙ୍କା ବ୍ୟୟ ଆକଳିତ ଏହି ପ୍ରକନ୍ତ୍ର ୧୫୦ ମିଲିମିଟର ଏବଂ ୨୦୦ ମିଲିମିଟର ସିସି ୱାଫର୍ ର ଉଚ୍ଚ ପରିମାଣର ଉତ୍ପାଦନ ବିଷୟରେ ଅନୁସନ୍ଧାନ କରିବ। ସିକ୍ସେମ ପ୍ରାଇଭେଟ ଲିମିଟେତ୍ ଓଡିଶାରେ ଏକ ସିସି ପ୍ରୋସେସ୍ ଫ୍ୟାନ୍ରିକେସନ୍ ଏବଂ ଏଟିଏମପି ପ୍ଲାଷ୍ଟ ପ୍ରତିଷା କରିବାକୁ ଯୋକନା କରିଛି। ଏହା ବୈଦ୍ୟୁତିକ ଯାନ (ଇଭି), ଫାଷ୍ଟ ଚାର୍କର, ସବୁକ ଶକ୍ତି, ପିଭି ଇନଭର୍ଟର, ମୋଟର କଷ୍ଟ୍ରୋଲ ଏବଂ 5G ଯୋଗାଯୋଗ ପରି ଭନ୍ତତ ଜ୍ଞାନକୌଶଳ ପାଇଁ ପାୱାର ସେମିକଷକୃର ଉପକରଣ ନିର୍ମାଣରେ ଭାରତକୁ ଆତ୍ମନିର୍ଭରଶୀଳ କରିବାରେ ସାହାଯ୍ୟ କରିବ।

ଆଇଆଇଟି ଭୁବନେଶ୍ୱରର ନିର୍ଦ୍ଦେଶକ ତଥା ସେମିକଷକୃର ଉପକରଶଗୁଡ଼ିକର ବିଶେଷଜ୍ଞ ପ୍ରଫେସର ଶ୍ରୀପଦ୍ କରମଲକର କହିଛନ୍ତି ଯେ ଏହି ସହଯୋଗ ସିସି କ୍ରିଷ୍ଟାଲ ଅଭିବୃଦ୍ଧିରେ ନବସୃଜନ ଏବଂ ଆତ୍ମନିର୍ଭରଶୀଳତାକୁ ପ୍ରୋସ୍ପାହିତ କରିବ ଏବଂ ଆଇଆଇଟି ଭୁବନେଶ୍ୱର ପାଇଁ ଏକ ପ୍ରମୁଖ ଶିନ୍ଧ-ଏକାଡେମୀ ଭାଗିଦାରୀକୁ ପ୍ରତିନିଧିତ୍ୱ କରିବ। ଏହି ସହଯୋଗ ଭାରତରେ ସେମିକଷକୃର ଇକୋସିଷ୍ଟମର ବିକାଶ ତଥା ଦେଶର ସେମିକଷକୃର ଶିନ୍ଧର ବିକାଶରେ ଯଥେଷ୍ଟ ସହାୟକ ହେବ, ଯାହା କି ଇଞିଆ ସେମିକଷକୃର ମିଶନ, ମେକ୍ ଇନ୍ ଇଞିଆ ଏବଂ ଆତ୍ମନିର୍ଭର ଭାରତ ପଦକ୍ଷେପ ଆଦିର ଧ୍ୟେୟ ଉପରେ ହିଁ ଆଧାରିତ।