



**Your Reliable Partner for Solar Energy
Since 1992**

GREETINGS

Thank you for your interest in EMMVEE. This brochure seeks to provide an overview of EMMVEE, our Corporate Philosophy, Products, Production, Components and Services. Since EMMVEE's inception in 1992, the company has developed various expertises in Solar Water Heating Systems and Photovoltaics. Our relationships with renowned components manufacturers and greatly emphasize on innovative quality management. With the help of our 650 employees in locations across the world and various suppliers, EMMVEE is able to stand out through excellent customer service. Friendly and accessible support team at EMMVEE assists the customers and offer solutions to all queries. For Company and any product related enquiry please contact our EMMVEE team.



D.V. Manjunatha
Founder and
Managing Director

Sincerely,


D.V. Manjunatha

EMMVEE GROUP

EMMVEE Group of Companies is a solution provider in the field of solar energy. EMMVEE manufactures photovoltaic modules and solar water heating systems and has two manufacturing facilities in Bengaluru, India. EMMVEE is also a prominent player in the field of project development and EPC for MW scale on ground and on roof PV power plants. EMMVEE has placed great emphasis on transparency, service and quality.

In the year 1992, Mr. D.V. Manjunatha founded the company EMMVEE in Bengaluru, India. Starting its activities in the solar water heater production with sales and marketing office as EMMVEE Solar Systems Pvt. Ltd., has grown to be the largest manufacturer of solar water heating systems in India. Our eco-friendly products shall not only go a long way in helping global efforts for conserving the environment but also helps customers in reducing their electricity bills thereby generating additional savings. EMMVEE is continuously working on introducing new age technologies in both manufacturing process and management practices.



GREEN GROWTH

Way forward towards "Green Growth"

At EMMVEE, we thrive towards Qualitative and Quantitative Optimization in providing customers with Sustainable Wide Ranging Solar Power Solutions. The solutions are coupled with distinct approach towards each customer. Enabling unceasing product improvement and customer dialogue in a desire to create sustainable solar power generation with reliable and powerful solutions.

VISION

Our Vision is to become the global leader in manufacturing highly qualitative, innovative and cost-effective solar water heating systems as well as solar photovoltaic modules and systems that will provide clean, reliable energy sources around the world.

MISSION

We continuously improve the quality of people's life with innovative solar products.



EMMVEE PHOTOVOLTAIC MODULE

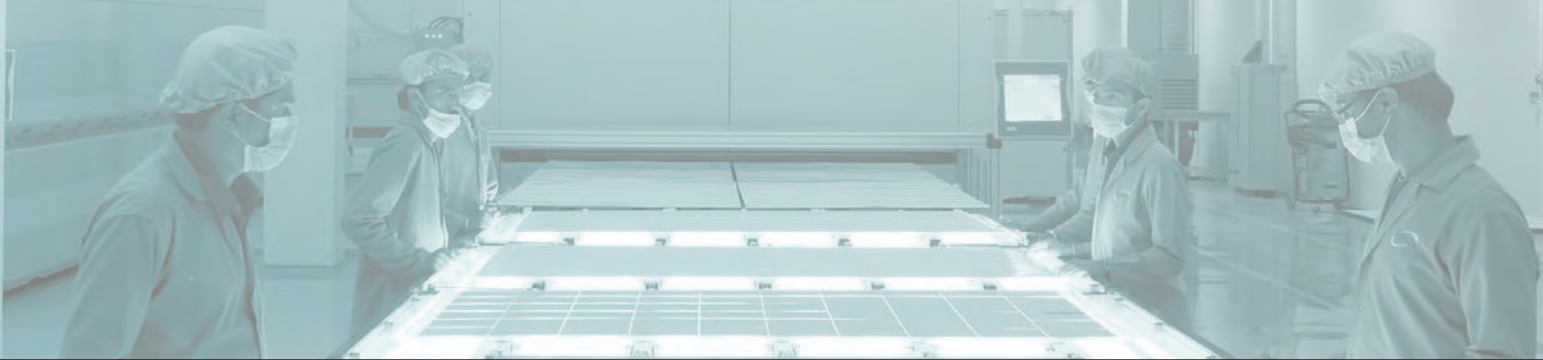
State-of-the-art Production

EMMVEE produces high quality photovoltaic modules that are appropriate for large scale power plants. The solar modules are manufactured in 60 and 72 cells configuration (Multi - Crystalline and Mono Crystalline). Since its inception, EMMVEE has grown into an international company with 650 employees. EMMVEE manufactures Solar PV modules in its manufacturing facilities in Bengaluru.

The production capacity for our Solar PV module is **500 MW** with the most modern production line in India equipped with best mahineries, sourced from Europe.



The production takes place in a very clean and dust free environment. Each staff member abides with the IMS standards. A comprehensive quality management system that is present in every step of the production and stringent final inspections ensure consistent high quality. Our qualified specialist staff and engineers work on continual improvement to achieve optimum production quality in addition to the automatic production process.



EMMVEE PHOTOVOLTAIC MODULE

Quality Management

EMMVEE provides a long term performance warranty on on-grid based photovoltaic modules. The components used in solar photovoltaic modules are subjected to multiple tests to ensure stability and long life performance.

One of the most important Technical Inspection Associations is the Technische Überwachungsverein (TUV). Die TUV Rheinland Group is a leading provider of technical services Worldwide. All EMMVEE products are TUV Rheinland tested and certified.



Project Development and EPC

The services offered by EMMVEE are expanding. With its vast experience in the field of solar energy as a solar PV module manufacturer, EMMVEE has completed several MW scale Solar PV projects thus becoming a prominent player in the field of Project development and EPC (Engineering, Procurement and Construction) in India and Europe.

Consultation, Planning and Development

EMMVEE is a competent partner, experienced in planning and development of solar power systems in India and Europe. Our expert engineers ensure the best quality standards through attentive project development. Project development by EMMVEE includes the complete management of the project. This service is offered by EMMVEE not merely for its own projects, but for investors too. Expert advice and detailed planning by the EMMVEE project development team ensures smooth and timely execution of the projects.



EMMVEE PHOTOVOLTAIC MODULE

Project Development and EPC

EPC (Engineering, Procurement and Construction): Turnkey solution provider



As an EPC company, EMMVEE provides in-house design and construction services for building the solar power plants. Our range of services includes technical planning of system, selection of the best components and professional installation; everything under one roof. Our own solar module production and close ties with our suppliers allow precise selection of every system component. Consequently, solar power plants become more efficient and reliable offering secured long-term profits. EMMVEE monitors the implementation of the PV project, coordinating all construction

phases and controlling the quality of installation work. The deliberate co-ordination of deadlines provides timely grid connections of large-scale PV power plant. Yield losses due to deadlock can be avoided.

Operation and Maintenance



After commissioning of any PV Power plant, operation and maintenance plays an important role to reach the highest efficiency and performance. EMMVEE operation and maintenance team closely monitor the PV system with periodic inspection of the plant and continuous monitoring of the electricity output and plant performance. The highest performance will be guaranteed and the solar plants will have a stable and growing generation throughout their lifetime.



EMMVEE PHOTOVOLTAIC MODULE

Product Modules Portfolio

On-grid as well as off-grid applications



Resistance against salt mist, ammonia, dust and hail



Excellent performance under weak light conditions



Good temperature efficiency enables output in high temperature regions



Higher efficiency



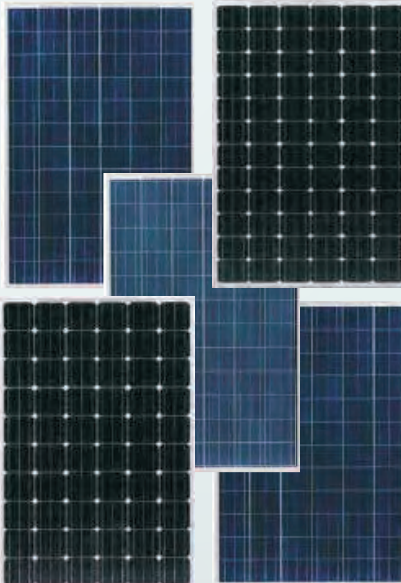
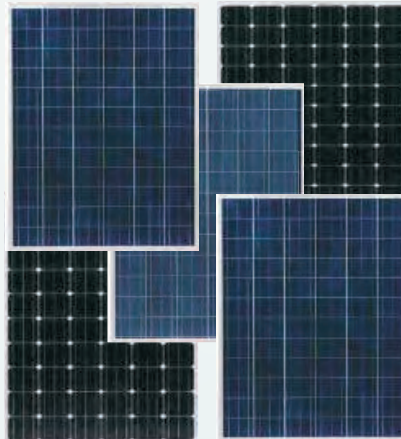
Positive tolerance offer



Variety range (10-340WP)



Excellent current distribution performance, reduces power loss



ISO 14001-2015, ISO 9001-2015, OHSAS 18001:2007,
Certified Company



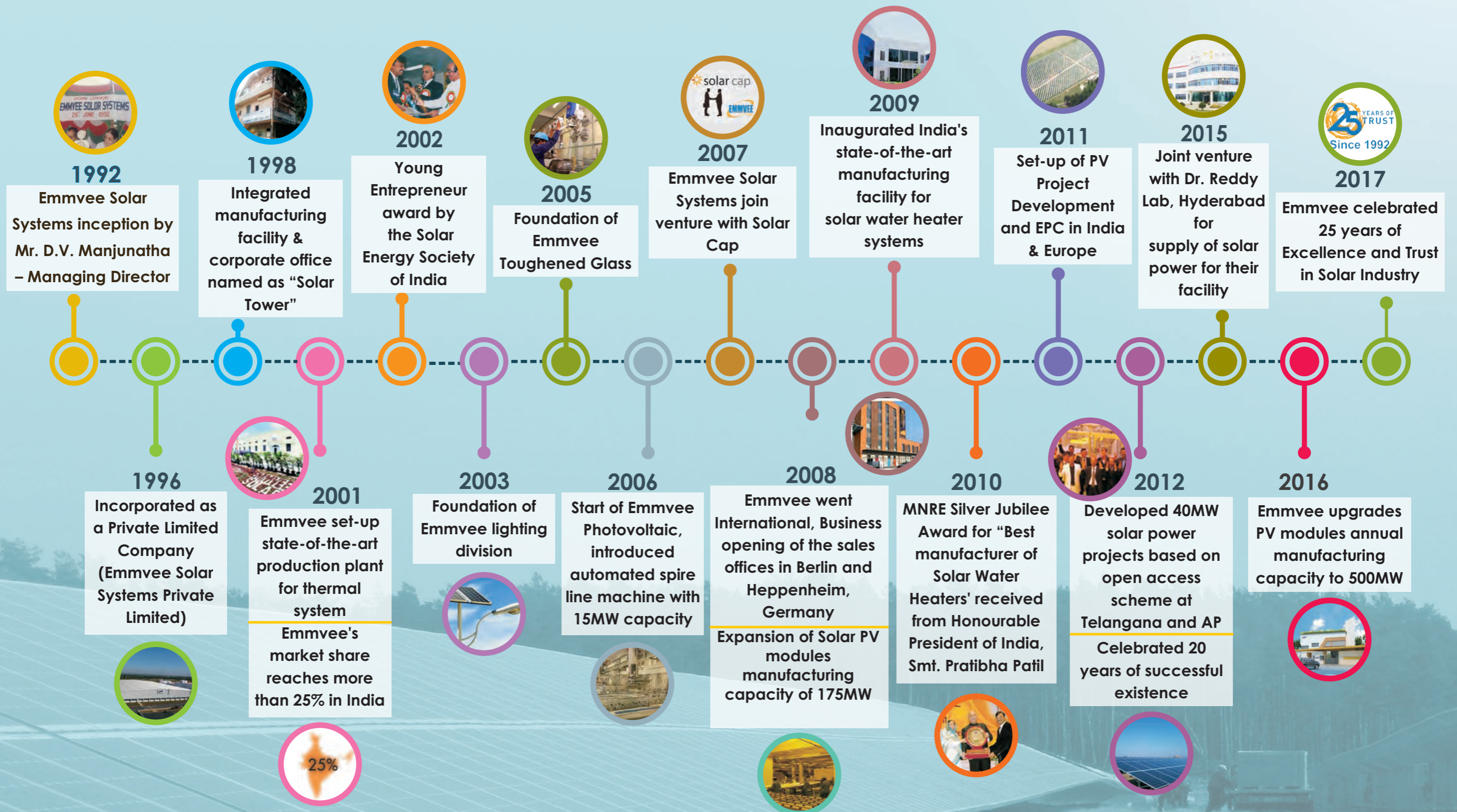
IEC 61215
IEC 61730
www.tuv.com
ID: 990025744



Salt Mist
Resistance
www.tuv.com
ID: 0000043160



MILESTONES



EMMVEE SOLAR SYSTEMS

State-of-the-art Production



EMMVEE began his journey with the manufacturing of solar water heater and today grown into a leadership position in the manufacturing of solar water heating system based on the latest technology.

EMMVEE Solar Systems Pvt Ltd., an ISO 9001-2015, ISO 14001-2015 certified company was established in the year 1992 in Bengaluru, India and is a manufacturer of solar thermal products such as solar water heaters (widely known as "Solarizer") and solar pool heating systems.

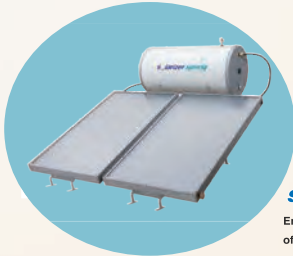
EMMVEE Solar Systems Pvt Ltd., has grown to be the largest manufacturer of Solar Water Heating System in India. Emmvee solar heating system state of the art manufacturing facilities at Dabaspeta, Karnataka, India, has a production area of 25,000 square metres. These extremely ecological masterpieces that feature sophisticated processes, environment friendly materials, and an exceptional energy concept ensure sustainable production.

EMMVEE produces wide range of solar water heater system to cater to the needs of the customers. The company also develops, expertise in providing hot water solution to individual villas, houses, residential apartments, hospitals, hotels, commercial buildings etc. based on heating water from solar energy.



EMMVEE SOLAR SYSTEMS

Solarizer Portfolio



Solarizer spring
Enjoy a new level of bathing

- Pressurised for all modern bathing system
- Great heating performance
- Highest quality desing
- Hygienic and safe
- Total peace of mind
- Long lasting



Solarizer anywhere
Fits everywhere...

- Superior performance everytime
- International quality standards
- Highest aesthetic considerations
- Autonomous System
- Convenient installation
- Unique heat exchanger design



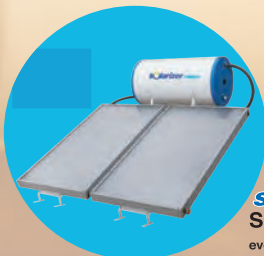
Solarizer ultra
Extreme performance under hard water

- Zero blockages due to exchanger system
- Corrosion-free system
- Hygienic and safe
- Most efficient heating performance
- Long lasting
- Total peace of mind



Solarizer elite
Luxury homes deserves it

- Superior performance everytime
- Durability assured
- Safest system
- International quality standards
- Unique heat exchanger design
- Convenient installation



Solarizer value
Save money every day

- Hot water bathing at an affordable cost
- Quality tank and collector
- Trusted brand
- Long lasting
- High performance
- Most Efficient heating performance



Solarizer elite Hybrid

- Superior performance everytime
- Durability assured
- Safest system
- International quality standards
- Unique heat exchanger design
- Convenient installation

EMMVEE SOLAR SYSTEMS

Projects



EMMVEE SOLAR SYSTEMS

Projects



M C Builders



Vidyashilp Academy



M.S. Ramaiah Hospitals



Reva Institutions



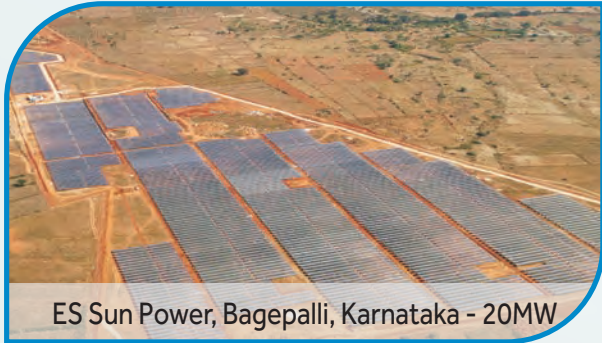
Pebal Bay Bangalore



Isha Foundation

EMMVEE PHOTOVOLTAIC MODULE

Projects - National



EMMVEE PHOTOVOLTAIC MODULE

Projects - International





Manufacturing Plants

EMMVEE Photovoltaic Power Private Limited

Unit 1

#13/1, International Airport Road,
Bettahalasur Post, Bengaluru - 562 157
Phone: +91 80 2217 4511

Unit 2

Survey No. 66-70/3,
Pemmanahalli Village,
Sompura Hobli, Dabaspeta, Nelamangala,
Bengaluru - 562 111
Phone: +91 80 2217 4411

EMMVEE Solar Systems Private Limited

Unit 3

Survey No. 66-70/3,
Pemmanahalli Village,
Sompura Hobli, Dabaspeta, Nelamangala,
Bengaluru - 562 111
Phone: +91 80 2217 4411



Corporate Office

Emmvee Photovoltaic Power Private Limited
#13/1, International Airport Road,
Bettahalasur Post,
Bengaluru - 562 157, India
Phone: +91 80 2217 4511

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Fax: +49 (0)30 2717432