**File No. VIS (2024-25)-PL360-313-421 DATED: 07.11.2024**

**CHARTERED ENGINEERING ASSESSMENT REPORT**

**OF**

**MANUFACTURING UNIT OF LED COMPONENTS**

**SITUATED AT**

**2ND FLOOR, RASHMI BUILDING, SALT LAKE ELECTRONIC COMPLEX, PLOT NO. XI, SECTOR-5, KOLKATA, WEST BENGAL -700091**

**IMPLEMENTED BY**

**[SORIN TECH PRIVATE LIMITED](https://www.zaubacorp.com/company/JGN-SUGAR-AND-BIOFUELS-PRIVATE-LIMITED/U15420DL2022PTC404736)**

**REPORT PREPARED FOR**

**IFCI LIMITED, IFCI TOWER, 61, NEHRU PLACE, NEW DELHI – 110019**

***\*\*Important - In case of any query/ issue or escalation you may please contact Incident Manager at le@rkassociates.org. We will appreciate your feedback in order to improve our services.***

***NOTE: As per IBA Guidelines please provide your feedback on the report within 15 days of its submission after which report will be considered to be correct.***

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*NOTE: Part – B, C & D are strictly as per format of IFCI. Any additional CE’s Remarks, Observations, Caveats, Limitations & Disclaimers are covered in Notes of various Annexures and Part-E.*

# IMPORTANT NOTICE

*This report is intended for the sole use of the intended recipient/s and contain material that is STRICTLY CONFIDENTIAL AND PRIVATE.*

***DEFECT LIABILITY PERIOD:*** *- In case of any query/ issue or escalation you may please contact Incident Manager at*[*le@rkassociates.org*](mailto:le@rkassociates.org)*.*

*Though adequate care has been taken while preparing this report as per its scope, but still, we can’t rule out typing, human errors, over sightedness of any information or any other mistakes. Therefore, the concerned organization is advised to satisfy themselves that the report is complete & satisfactory in all respect. Intimation regarding any discrepancy shall be brought into our notice immediately. If no intimation is received within 15 (Fifteen) days in writing from the date of issuance of the report, to rectify these timely, then it shall be considered that the report is complete in all respect and has been accepted. CE Important Remarks / Limitations/ Caveats/ Disclaimers mentioned in Part-E is the integral part of this assessment.*

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| **PART A** | **INTRODUCTION** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO.** | **PARTICULARS** | **DETAILS** | | |
|  | **Report/ Certificate Type** | Chartered Engineering Assessment for GOI PLI Scheme | | |
|  | **Name of the Project** | M/s Sorin Tech Private Limited, Manufacturing Unit of LED Components at 2nd Floor, Rashmi Building, Salt Lake Electronic Complex, Plot No. XI, Sector-5, Kolkata, West Bengal -700091 | | |
|  | **Project Location** | * City: Kolkata * District: Kolkata * State: West Bengal | | |
|  | **Name of the Company** | M/s Sorin Tech Private Limited | | |
|  | **Client Name** | M/s Sorin Tech Private Limited | | |
|  | **Coordinating Person Name and Number** | Name | Designation | Number |
| Mr. Hirak Roy | Vice president | 08826677229 |
|  | **Work Order Number** | Email Dated: 04.09.2024 | | |
|  | **Chartered Engineering Firm Name** | M/s. R.K. Associates Valuers & Techno Engineering Consultants (P) Ltd. | | |
|  | **Date of Survey** | 30th September 2024 | | |
|  | **Date of Report** | 7th November 2024 | | |
|  | **Purpose of the Assessment** | For GOI Production Linked Incentive claims | | |
|  | **Scope of the work** | To review production capacity of the Project based on the information/ data supplied by the company | | |
|  | **Documents provided/ pursued for the Project** | 1. Bills/Invoices 2. Bills of Customs Clearance *(Third Party)* 3. FAR 4. GST Details 5. Project Approval Letter 6. Manufacturing Process Flow Diagram 7. Production and Stock RM Data 8. Daily Sales Register 9. Catalogue of Major Machinery 10. Production Target and Capacity of Major Machinery 11. Insurance Cover Details 12. Property Documents 13. Electricity Bills | | |
|  | **Documents/ Information Provided by** | Name | Designation | Number |
| Mr. Hirak Roy | Vice president | 08826677229 |
|  | **Annexure with the report** | 1. Bills/Invoices 2. FAR 3. GST Details 4. Project Approval Letter 5. Empanelment Letter 6. Manufacturing Process Flow Diagram 7. Catalogue of Major Machinery 8. Production Target and Capacity of Major Machinery 9. Insurance Cover Details | | |

|  |  |
| --- | --- |
| **PART B** | **CERTIFICATE FOR PLI SCHEME** |

To,

IFCI Limited,

IFCI Tower, 61,

Nehru Place,

New Delhi – 110019

This certificate is being issued in connection with Production Linked Incentive Scheme (PLI) for promoting domestic manufacturing of AC and LED Light in India (hereinafter referred as ‘PLI Scheme’) as notified vide **Notification No. CG-DL-E-16042021-226671 dated 16.04.2021** read with operational guideline dated **4th June 2021**, as amended from time to time (hereinafter referred as ‘the PLI Scheme’).

**M/s Sorin Tech Private Limited** was approved under PLI Scheme vide letter no. **IFCI/CASD/DPIIT/PLIWG-211112016** dated **12th November, 2021** issued by IFCI Limited (Project Management Agency appointed under the Scheme).

M/s R.K. Associates Valuers and Techno Engineering Consultants Pvt. Ltd. is empaneled with IFCI Ltd. for evaluation of asset class **‘Plant, Machinery & Equipment’** vide letter no. **IFCI/CAD/-221006029** Dated **06th October, 2022** valid till **05th October, 2025** issued by IFCI. M/s Sorin Tech Private Limited appointed us for the said certification work.

To evaluate and give a certificate on status of compliance with eligibility criteria of Greenfield Project and Committed investment for the period FY 2021 – 2023 by M/s Sorin Tech Private Limited under PLI Scheme. We have carried out the physical inspection of the plant, examined the relevant records and other documents to evaluate whether applicant has met the eligibility criteria of Greenfield Project and Committed Investment under Production Linked Incentive (PLI) Scheme for FY 2021 – 2023.

To carry out an independent verification/determination of Claim production capacities for the claim year 2023 – 2024 of M/s Sorin Tech Private Limited under PLI Scheme.

We have carried out the physical inspection of the plant and machinery installed and examined the relevant records for determining claim capacity of all the manufacturing processes involved in the production of eligible products for FY 2023 – 2024. In this regard, we enclosed the capacity of F.Y 2023 – 2024 & incremental capacity generated from incremental investments for the year in **Annexure III and Annexure IV.**

**Thanks & regards,**

**For R.K Associates Valuers & Techno Engg. Consultants (P) Ltd.**

**Project Engineering Team**

|  |  |
| --- | --- |
| **PART C** | **PROJECT DETAILS** |

1. **Details of the Project Set-up by the applicant:**

|  |  |  |
| --- | --- | --- |
| **S.NO.** | **PARTICULARS** | **DETAILS** |
|  | Name of the Applicant | M/s Sorin Tech Private Limited |
|  | Project Address | 2nd Floor, Rashmi Building, Salt Lake Electronic Complex, Plot No. XI, Sector-5, Kolkata, West Bengal -700091 |
|  | Eligible products being manufactured | LED Drivers, LED Engines & LED Modules |
|  | Committed investment during the Scheme Period | Rs. 13.06 crores |
|  | Threshold Investment up to 31st March 2023 | Rs. 2 crores |
|  | Eligible investment physically verified of the investment period F.Y. 2021-23 | **Rs.2.07 crores (Details attached as Annexure I)** |
|  | Date of site visit and company officials facilitating the inspection | **Date: 30-09-2024**  **Company Official:** Mr. Hirak Roy (Vice president) |
|  | Whether Project has been set-up in a new factory premises or the existing factory premises | Existing premises of M/s Dhanashree Electronics Limited. *( As per Leave and License agreement)* |
|  | Whether claimed Associated Utilities are exclusive to PLI-White Goods or shared with other activities | As per site visit, the said unit is only exclusively for LED Modules, LED Engines and LED Drivers and therefore all associates facilities are exclusively used for it. |
|  | Whether plant/ unit was operational on the date of visit? | Yes |
|  | Status of Land & Building (leased/ Owned/ Common Facilities with any other person or group company) | The unit is setup in the group company *(M/s Dhanashree Electronics Ltd.)* premises on rent basis from 01.03.2023 to 28.02.2026. |

|  |  |  |
| --- | --- | --- |
| **Cumulative Eligible Investment Details** | | |
| **S. No.** | **Particular** | **Amount (Rs. In Crore)** |
|  | Eligible Investment in FY 21-22 (Gross Book Value) | NA |
|  | Eligible Investment in FY 22-23 (Gross Book Value) | Rs. 2.07 crores |
|  | Eligible Investment in FY 23-24 (Gross Book Value) | NA |
|  | Eligible Investment in FY 24-25 (Gross Book Value) | NA |
|  | Eligible Investment in FY 25-26 (Gross Book Value) | NA |
|  | Eligible Investment in FY 26-27 (Gross Book Value) | NA |
|  | **Total (A)** | **Rs. 2.07 crores** |
|  | Less: - Sold/ Written off Eligible Investment (if any) for investment period as on 31st March, 2023 | NA |
|  | Eligible Investment in FY 21-22 (Gross Book Value) | NA |
|  | Eligible Investment in FY 22-23 (Gross Book Value) | NA |
|  | Eligible Investment in FY 23-24 (Gross Book Value) | NA |
|  | Eligible Investment in FY 24-25 (Gross Book Value) | NA |
|  | Eligible Investment in FY 25-26 (Gross Book Value) | NA |
|  | Eligible Investment in FY 26-27 (Gross Book Value) | NA |
|  | **Total (B)** | NA |
|  | **Net Cumulative Investment as on 31st March, 2023 (A - B)** | **Rs. 2.07 crores** |

1. We visited the project site on **30-09-2024** and the photograph of the site with visiting team is attached at **Annexure II**.
2. The project set-up by **M/s Sorin Tech Private Limited** at **2nd Floor, Rashmi Building, Salt Lake Electronic Complex, Plot No. XI, Sector-5, Kolkata, West Bengal** for eligible products **LED Drivers, LED Engines & LED Modules** is a Greenfield Project as defined under clause 2.21 respectively of the Scheme Guidelines.

All the Plant & Machinery, Associated Utilities or R&D Equipment being utilized in the production of eligible projects are new as per the Invoices and declaration given by the company. No second hand/ used/ refurbished plant, machinery, equipment, utilities has been used to manufacture the eligible products approved under PLI Scheme in compliance with clause 14.1.4. of the Scheme Guidelines.

1. The capex items claimed for eligibility criteria of committed investment under the PLI Scheme are required for the manufacturing of eligible products Control Assemblies for IDU, ODU and Remotes and all such plant & machinery have been installed in the factory premises of **M/s Sorin Tech Private Limited** at **2nd Floor, Rashmi Building, Salt Lake Electronic Complex, Plot No. XI, Sector-5, Kolkata, West Bengal.**
2. All capital items which have been claimed as products eligibility criteria of investment are being used in regular course for the manufacturing of eligible product under PLI scheme and the cost of investment claim under PLI scheme is reasonable.
3. All capital items have been purchased at prices that are in our opinion reasonable and in-line with prevailing market value as on the date of the purchase.

*Please note that all capital items have been considered as per the Invoices/ FAR provided to us. Some of these are special and custom design machines procured from SHENZHEN PENG CHUANG XIN AUTOMATION EQUIPMENT CO. LTD., China and market rates are not available openly for such machines.*

1. With reference to clause 8.4.2 of the Scheme Guidelines, the amount of Associated Utilities claimed under eligible capex is **Nil** as per the FAR given by the company.
2. We Confirm that utilization of the Plant, Machinery and Equipment for manufacturing of eligible product(s) under target segment for financial year for which the applicant is claiming incentive under the Scheme.
3. The manufacturing of the eligible products in the Greenfield Project meets the criteria set up under clause 2.21 of the Scheme Guidelines.
4. The capex items included in Eligible Capex are installed at the Project Location except for certain items situated at third parties/ vendors whose details are furnished as **Annexure V.**
5. We have examined the insurance policies for capex items considered under Eligible Investment. Company has taken insurance cover for an amount of ₹ 4.00 crore (For Plant and Machinery). Extract of insurance policies is furnished as **Annexure VI**. In our view insurance cover obtained by the Company for the Eligible Investment is adequate.
6. The manufacturing process flow diagram (MPFD) of each eligible product is attached as **Annexure-VII.** We have observed the manufacturing process followed by the Company and the same is in line with the MPFD(s) attached.at **Annexure VII.**
7. Site Photographs with GPS coordinates (the factory premises, visiting team from CE and company official (give name and designation) should be appearing in photograph at **Annexure – II.**

**DECLARATIONS:**

1. It has been ensured that the information furnished is true and correct as furnished by the company to the best of our knowledge. No part of it is false or misleading and no relevant information has been concealed or withheld to the best of our knowledge.
2. We have requisite expertise, experience, and qualification to evaluate the project and give this certificate.
3. Neither of our director/ partner/ proprietor or employee has any present or prospective interest in the Greenfield Project of M/s Sorin Tech Private Limited (name of the applicant).
4. Neither I nor any of my partners or director or employee is a partner, director or an employee of M/s Sorin Tech Private Limited (name of applicant) or its associated concerns.
5. That the assessment is done based on the inputs/ data/ information provided by the company verbally or in writing has been relied upon.

This report is issued without prejudice or conflict of interest.

**Signature & Seal of CE firm**

**ANNEXURE-I – ASSETS FOR ELIGIBLE INVESTMENT**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S. No.** | **Classification as per PLI** | **Usage in Production Process** | **Asset No. in FAR** | **Asset Description as per FAR** | **Capitalization Date** | **Balance Sheet Head** | **Amount Capitalized (in Rs.)** |
| 1 | Plant & Machinery | SMT | PM 20 | Pick & Place Machine (Strip & Engine) | 31-10-2022 | Plant & Machinery | 77,93,270 |
| 2 | Plant & Machinery | SMT | PM 21 | Pick & Place Machine (Engine) | 31-10-2022 | Plant & Machinery | 67,81,157 |
| 3 | Plant & Machinery | Soldering Machine | PM 03 | 10 Zone Reflow Oven | 07-10-2022 | Plant & Machinery | 15,45,408 |
| 4 | Plant & Machinery | Transfer Line | PM 22 | Loader, Buffer Stage, Auxiliary Connection Line, Belt Conveyor, Unloader | 31-10-2022 | Plant & Machinery | 9,96,932 |
| 5 | Plant & Machinery | LED Strip Splitting | PM 24 | Splitting Machine | 31-10-2022 | Plant & Machinery | 8,32,463 |
| 6 | Plant & Machinery | LED Strip Splitting | PM 11 | Led Strip Light Separation Machine | 07-10-2022 | Plant & Machinery | 6,60,795 |
| 7 | Plant & Machinery | Testing Table | PM 23 | Testing Line | 31-10-2022 | Plant & Machinery | 6,36,619 |
| 8 | Plant & Machinery | Soldering Machine | PM 04 | Automatic Soldering Machine, | 07-10-2022 | Plant & Machinery | 2,55,791 |
| 9 | Plant & Machinery | Marking on PCB | PM 27 | Laser Marking Machine | 06-08-2022 | Plant & Machinery | 2,09,354 |
| 10 | Plant & Machinery | Soldering Machine | PM 01 | 1.2M Solder Paste Printing Machine | 07-10-2022 | Plant & Machinery | 2,02,502 |
| 11 | Plant & Machinery | Soldering Machine | PM 02 | 1.2M Solder Paste Printing Machine | 07-10-2022 | Plant & Machinery | 2,02,502 |
| 12 | Plant & Machinery | Soldering Machine | PM 18 | 0.6M Solder Paste Printing Machine | 07-10-2022 | Plant & Machinery | 1,70,528 |
| 13 | Plant & Machinery | Soldering Machine | PM 19 | 0.6M Solder Paste Printing Machine | 07-10-2022 | Plant & Machinery | 1,70,528 |
| 14 | Plant & Machinery | PCB Conveyors | PM 16 | PCB Conveyor | 07-10-2022 | Plant & Machinery | 37,303 |
| 15 | Plant & Machinery | PCB Conveyors | PM 17 | PCB Conveyor | 07-10-2022 | Plant & Machinery | 37,303 |
| 16 | Plant & Machinery | Packaging Machine | PM 25 | Strapping Machine | 09-06-2022 | Plant & Machinery | 36,550 |
| 17 | Plant & Machinery | Mixing Machine | PM 15 | Soldering Paste Mixing Machine | 07-10-2022 | Plant & Machinery | 30,908 |
| 18 | Plant & Machinery | Cutting Machine | PM 26 | Manual Heavy Resistor Cutting Machine | 11-07-2022 | Plant & Machinery | 21,534 |
| 19 | Plant & Machinery | Rewinding Machine | PM 12 | Led Strip Light Reel Machine | 07-10-2022 | Plant & Machinery | 19,184 |
| 20 | Plant & Machinery | Rewinding Machine | PM 13 | Led Strip Light Reel Machine | 07-10-2022 | Plant & Machinery | 19,184 |
| 21 | Plant & Machinery | Rewinding Machine | PM 14 | Led Strip Light Reel Machine | 07-10-2022 | Plant & Machinery | 19,184 |
| 22 | Plant & Machinery | Testing unit | PM 10 | Strip Light Test Fixture | 07-10-2022 | Plant & Machinery | 9,592 |
| 23 | Plant & Machinery | Testing unit | PM 05 | Strip Light Test Fixture | 07-10-2022 | Plant & Machinery | 9,592 |
| 24 | Plant & Machinery | Testing unit | PM 06 | Strip Light Test Fixture | 07-10-2022 | Plant & Machinery | 9,592 |
| 25 | Plant & Machinery | Testing unit | PM 07 | Strip Light Test Fixture | 07-10-2022 | Plant & Machinery | 9,592 |
| 26 | Plant & Machinery | Testing unit | PM 08 | Strip Light Test Fixture | 07-10-2022 | Plant & Machinery | 9,592 |
| 27 | Plant & Machinery | Testing unit | PM 09 | Strip Light Test Fixture | 07-10-2022 | Plant & Machinery | 9,592 |
|  |  |  |  | **Total** | | | **2,07,36,552** |

***Source: Company’s FAR***

**Note: -**

1. Above is the complete list of the machines as per FAR and Invoices shared by the company.
2. All the major machines/ equipment’s were verified at site against the FAR and Invoices shared by the company covering approximately 95% of the total amount.
3. Bill of customs clearance from third parties is also reviewed for some of major machines on sample basis in respect of the imported machines.

**ANNEXURE – II – PHOTOGRAPHS OF THE ASSETS AND SITE VISIT**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S.**  **No.** | **Machine/ Asset Name** | **Model#** | **Serial#** | **Make/ Manufacturer** | **Fixed Asset Code**  **Asset ID** | **Building where installed** |
| 1. | Pick & Place | T9-2S | 072226045 | Shenzhen Eton Automation Equipment Co. | PM 20 | Rashmi Building, Kolkata |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Invoice#** | **Invoice date** | **Description of Asset as per Invoice** | **Name of**  **Seller/ Vendor** | **Status (Running/ Idle/ Under maintenance/ To be commissioned/ etc.)** | **Amount Capitalized**  **(₹)** |
| 20221031002 | 31.10.2022 | Pick and Place Machine | Shenzhen Eton Automation Equipment Co. | Running | 77,93,270 |

|  |
| --- |
| **Photo of Asset:** |
| X:\In Progress Files\Manmohan Dubey\PLI\VIS(2024-25)-PL360-313-421 Sorin Tech\SiteImage\c_TimePhoto_20240930_164745.jpg |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S.**  **No.** | **Machine/ Asset Name** | **Model#** | **Serial#** | **Make/ Manufacturer** | **Fixed Asset Code**  **Asset ID** | **Building where installed** |
| 2. | Pick & Place | YT 202 | 072222016 | Shenzhen Eton Automation Equipment Co. | PM 21 | Rashmi Building, Kolkata |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Invoice#** | **Invoice date** | **Description of Asset as per Invoice** | **Name of**  **Seller/ Vendor** | **Status (Running/ Idle/ Under maintenance/ To be commissioned/ etc.)** | **Amount Capitalized**  **(₹)** |
| 20221031002 | 31.10.2022 | Pick and Place Machine | Shenzhen Eton Automation Equipment Co. | Running | 67,81,157 |

|  |
| --- |
| **Photo of Asset:** |
| X:\In Progress Files\Manmohan Dubey\PLI\VIS(2024-25)-PL360-313-421 Sorin Tech\SiteImage\c_TimePhoto_20240930_164935.jpg |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S.**  **No.** | **Machine/ Asset Name** | **Model#** | **Serial#** | **Make/ Manufacturer** | **Fixed Asset Code**  **Asset ID** | **Building where installed** |
| 3. | Reflow Oven | PCX-1020PC-700 | --- | SHENZHEN PENG CHUANG XIN AUTOMATION EQUIPMENT CO. | 5000007 | Rashmi Building, Kolkata |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Invoice#** | **Invoice date** | **Description of Asset as per Invoice** | **Name of**  **Seller/ Vendor** | **Status (Running/ Idle/ Under maintenance/ To be commissioned/ etc.)** | **Amount Capitalized**  **(₹)** |
| PCX-20220929256 | 07.10.2022 | 10 Zone Reflow Oven | SHENZHEN PENG CHUANG XIN AUTOMATION EQUIPMENT CO. | Running | 15,45,408 |

|  |
| --- |
| **Photo of Asset:** |
| X:\In Progress Files\Manmohan Dubey\PLI\VIS(2024-25)-PL360-313-421 Sorin Tech\SiteImage\c_TimePhoto_20240930_163122.jpg |

**PHOTOS OF SITE VISIT**

|  |  |
| --- | --- |
|  |  |
|  |  |
|  |  |

**ANNEXURE - III**

1. **DETERMINATION OF CLAIM YEAR CAPACITY:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Manufacturing location(s)** | **Date of Inspection** | **Greenfield/ Brownfield/ Both** |
| 2nd Floor, Rashmi Building, Salt Lake Electronic Complex, Plot No. XI, Sector-5, Kolkata, West Bengal -700091 | 30/09/2024 | Greenfield |
|  | **Actual Investment: up to 31st March 2023** | Rs. 2.07 crores (eligible investment) | |
|  | **Eligible products manufactured** | LED Drivers, LED Engines & LED Modules | |
|  | **No. of working shift on the date of site visits** | 2 shifts | |
|  | **New Manufacturing Facility** | | |
| **5.1** | **Production/ Manufacturing capacity as**  **per the Machinery installed p.a. (FY 2023-24)** | **Item** | **Quantity** |
| LED Components | 9 million units in FY 2023-24 |
| **5.2** | **Present Utilization of total production/ manufacturing Capacity by unit p.a. (Actual capacity)** | **Item** | **Quantity** |
| LED Components | 6.07 million units in FY 2023-24 |

**CHARTERED ENGINEER’S COMMENTS ON SITE INSPECTION FINDINGS:**

1. We have thoroughly inspected all the machines/items described above and hereby we confirm that they are in compliance with the records.
2. We have verified the eligible product wise Manufacturing Process Flow Charts and found in conformity with the productions processes observed at the manufacturing location(s) for the following Eligible Products. Process Flow Charts is annexed as Annexure – VII.
3. LED Drivers,
4. LED Engines and
5. LED Modules
6. We have verified the number of eligible products manufactured in the year (2023- 2024) from the examination of the ERP/internal production records provided by the company, explanations provided by the company and the capacity of the Production lines as detailed in the process flow chart and information submitted in the PLI-White Goods portal and the capacity for the locations visited and on the basis of our verification as detailed below.
7. **DETAILS OF AVERAGE CAPACITY UTILIZATION OF COMPANY’S PRODUCTS AT THE COMPANY’S MANUFACTURING FACILITIES FOR THE SPECIFIED PERIODS:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.**  **No** | **Name of Eligible Products** | **Standard Capacity as on 31.03.2024**  **(in nos.)** | **No. of products manufactured in the**  **F.Y 2023-24**  **(in nos.)** | **No. of Days the products was/were manufactured in the F.Y 2023-24**  **(in nos.)** | **Number of working Shifts**  **per day** | **No. of Products manufactured per day per shift in the year** | **Variance as per CE’s**  **findings** |
| **Location – Salt Lake Electronic Complex, Kolkata, West Bengal** | | | | | | | |
| 1. | LED Drivers | 43,66,452 | 16,84,941 | 306 | 2 shifts | 2753 | --- |
| 2. | LED Engines | 35,29,219 | 33,00,455 | 307 | 2 shifts | 5375 | --- |
| 3. | LED Modules | 11,13,043 | 10,90,406 | 271 | 2 shifts | 2012 | --- |
| **Total** | | **90,08,714** | **60,75,802** |  |  |  |  |

**Notes:**

1. The information relating to the installed capacity as of the dates included above are based on ‘various assumptions’ *(details are given under in foot note)* and estimates that have been taken into account for calculation of the installed capacity. The assumption is also based on the three (3) shifts that the Company is running for eight (8) hours a shift. The assumptions and estimates taken into account include the following: (i) Number of working days in a fiscal year-300, (ii) Number of days in a month-30, (iii) Number of shifts in a day- 3, (iv) Number of hours- 8 in a shift and (v) Schedule preventive maintenance days-8.
2. The information relating to the actual production as of the dates included above are based on the examination of the ERP/internal production records provided by the Company, explanations given, the period during which the manufacturing facilities operate in a fiscal year, expected operations, availability of raw materials, downtime resulting from schedule maintenance activities, unscheduled breakdowns, as well as expected operational efficiencies.

**CE Observations**

1. As per discussion with the company proponents and as per the manufacturing process the capacity of the unit can be determined based on Pick & Place machine. The capacity of the machine is different for different products manufactured depending on its size & specifications. All the segments have different cycle time. Company also manufactures different segments; therefore, no fixed capacity can be fixed.
2. Based on the above specification, company has given the calculation for the Production capacity on hourly basis.
3. There are no in built counters in the machines which shows the production record.
4. Production data of the company is also corroborated from the Sale record of the company for the corresponding period which is found to be inline.
5. The hourly production targets for different segment as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PICK AND PLACE PRODUCTION TARGETS** | | | | |
| **Product Classification** | **Subtype of Products** | **Unit** | **Machine Used** | **Target per Hour (in pcs.)** |
| LED Engine | LED Engine Strip | Pcs. | T92S | 120 |
| LED Engine | Pcs. | YT202 | 750 |
| LED Driver | LED Driver | Pcs. | YT202 | 1800 |
| LED Driver on Board | Pcs. | YT202 | 750 |
| LED Module | LED Batten Module | Pcs. | T92S | 800 |
| LED Module | Pcs. | T92S | 800 |

***Source: Company***

1. *Company is having 2 pick and place machines which can run simultaneously.*
2. *1piece of LED Strip is 5mtr. in length.*
3. *Above is the average estimation and has been rounded off to the next whole number.*
4. *In T92S company is running Module and LED Engine Strip Light and in YT202 all other products are running as per information provided by the company officials.*
5. Accordingly, the total achievable Production is assessed if a single product is produced and all 3 products are produced simultaneously:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **STANDARD PRODUCTION CAPACITY** | | | | |
|  |
| **Working Days** | **Working hours (24 hrs.)** | **LED Drivers** | **LED Engine** | **LED Module** |  |
| **300**  **For 2 machines** | **14400** | **54,58,065** | **44,11,523** | **13,91,304** |  |
| **Production Capacity as per plan** | | **~54,58,065** | **~44,11,523** | **~13,91,304** |  |
| **Expected Capacity Grand Total of all products (Driver+ Engine+ Module) (A)** | | | | **1,12,60,8921** |  |
| **Time loss (less 20% of production target) (B)** | | | | **22,52,178** |  |
| **Adjusted Expected Production Capacity (A-B)** | | | | **90,08,7142** |  |

1. *This is the expected capacity if product is produced without considering major breakdown and Changeover time.*
2. *This shows the number of products produced within the optimum production assessment which appears to be reasonable if all 3 products are produced simultaneously.*
3. Therefore, based on the above assessment, ERP/internal production records provided by the company, explanations provided by the company and the capacity of the Production lines as detailed in the process flow chart.

**ANNEXURE IV - INCREMENTAL CAPACITY FOR THE CLAIM YEAR**

**Annexure A**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Name of Eligible Products** | **Standard Capacity as on 31.03.2024 from new manufacturing facility as per section 2.10 or 2.21 of the scheme guidelines (in nos.)** | **No. of products manufactured in the year 2023-24 from new manufacturing facility as per section 2.10 or 2.21 of the scheme guidelines (in nos.)** |
| **Location – Salt Lake Electronic Complex, Kolkata, West Bengal** | | | |
|  | LED Drivers | 43,66,452 | 16,84,941 |
|  | LED Engines | 35,29,219 | 33,00,455 |
|  | LED Modules | 11,13,043 | 10,90,406 |
| **Total** | | 90,08,714 | **60,75,802\*** |

**Annexure B**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No.** | **Name of Eligible Products** | **Standard Baseline Capacity as per Original Baseline Certificate (B) (in nos.)** | **Base Year actual Production as per CE Certificate (in nos.)** | **No. of products manufactured in the year F.Y 2023-24 (in nos.)** |
| **Location – Salt Lake Electronic Complex, Kolkata, West Bengal** | | | | |
| **1.** | LED Drivers | 0 | 0 | 16,84,941 |
| **2.** | LED Engines | 0 | 0 | 33,00,455 |
| **3.** | LED Modules | 0 | 0 | 10,90,406 |
|  |  |  |  | **60,75,802\*** |

**Note:**

1. Baseline Capacity certificate is not applicable as this is a new project and commercial production started on 07.04.2023 and the Claim year is FY 2023-24.
2. \*Number of products manufactured in the year 2023-24 is as per the records and explanation furnished by the company.

**ANNEXURE -V**

**Details of assets at third parties**

No assets claimed as Eligible Investment under the Scheme Guidelines are lying outside the premises of the Company at premises of third parties which are its vendors/ suppliers/ etc.

**ANNEXURE -VI - DETAILS OF INSURANCE COVER**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.**  **No.** | **Type of Insurance**  **(Assets covered)** | **Policy No.** | **Name of Insurer** | **Start date of cover** | **Details of risks**  **covered** | **End date of**  **cover** | **Amount**  **(Rs. cr.)** |
| 1. | Material Damage | 2949206580135800000 | HDFC ERGO General Insurance Company Limited | 01-04-2024 | P&M & Stock in Progress | 25-06-2025 | 14.00 |
| 2. | Burglary and Housebreaking | 2949206580135800000 | HDFC ERGO General Insurance Company Limited | 01-04-2024 | P&M & Stock in Progress | 25-06-2025 | 14.00 |
|  |  |  |  | **Total** |  |  | **28.00** |

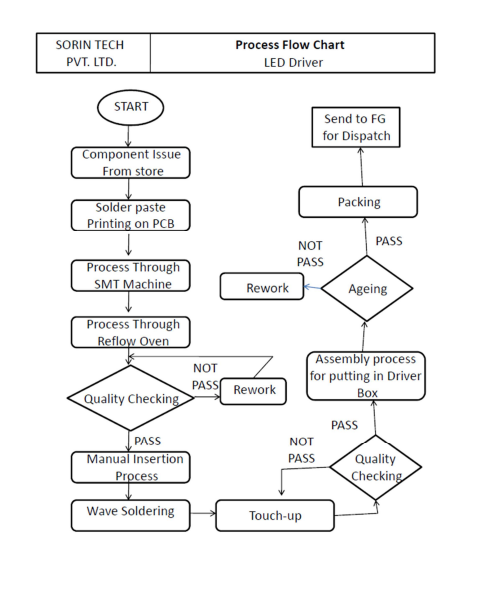
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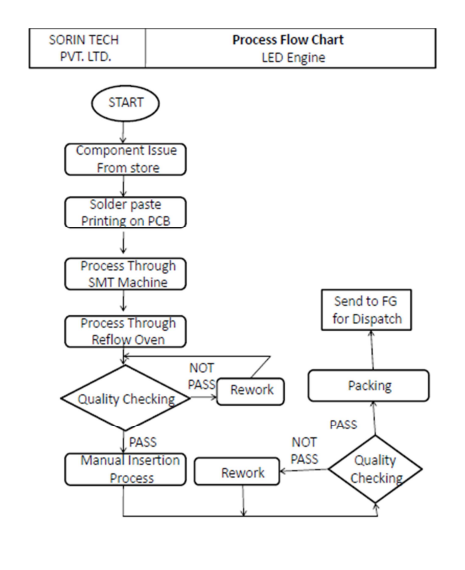
**ANNEXURE -VII - MANUFACTURING PROCESS FLOW DIAGRAM (MPFD)**

**LED DRIVER**

****

***Source: Company***

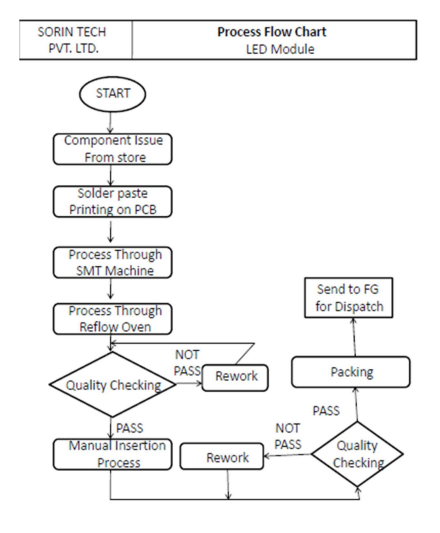
**LED ENGINE**

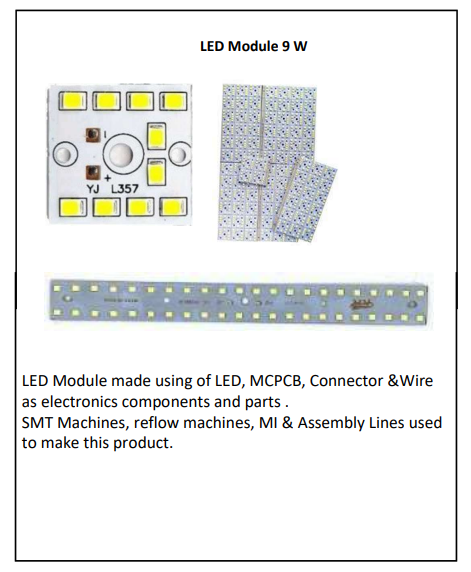
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|  |
| --- |
|  |

***Source: Company***

**LED MODULE**

****

****

***Source: Company***

**ANNEXURE -VIII - EMPANELMENT DOCUMENT**

|  |
| --- |
| **ANNEXURE -IX – PROJECT APPROVAL LETTER FROM IFCI(PMA)** |
|  |

**ANNEXURE – X- INVOICES OF MAJOR MACHINERY**

**PICK AND PLACE**

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**ANNEXURE – XI - IMPORTANT PROPERTY DOCUMENTS EXHIBIT**

**Rent Deed**

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|  |

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| --- | --- |
| **PART E** | **CE IMPORTANT REMARKS / LIMITATIONS/ CAVEATS/ DISCLAIMERS** |

1. Our team has verified almost 95% of the machines as per value as mentioned in the FAR and Invoices provided by the client and shown by the client during site visit.
2. Any amount referred in the assessment is based on the Invoices and FAR provided by the client.
3. In the course of the assessment, we were provided with both written and verbal information. We have however, evaluated the information provided to us through broad inquiry, analysis and review but have not carried out a due diligence or audit of the information provided for the purpose of this engagement. Our conclusions are based on the assumptions and other information provided to us by the client during the course of the assessment.
4. The client/ owner and its management/ representatives warranted to us that the information they have supplied was complete, accurate and true and correct to the best of their knowledge. All such information provided to us either verbally, in writing or through documents has been relied upon in good faith and we have assumed that it is true & correct without any fabrication or misrepresentation. I/We shall not be held liable for any loss, damages, cost or expenses arising from fraudulent acts, misrepresentations, or willful default on part of the owner, company, its directors, employee, representative or agents.
5. Legal aspects for e.g. Investigation of title, ownership rights, lien, charge, mortgage, lease, verification of documents from source or any concerned Govt. office etc. has not been covered in this assessment.
6. Machines are assessed as seen on site on as-is-where basis at the time of survey.
7. The condition of the machinery and assets are only based on the visual observations and appearance found during the site survey. We have not carried out any physical tests to assess the working and efficiency of the machines and assets.
8. We have not commented upon machines operating efficiency, useful or residual life.
9. Site Survey has been carried out on the basis of the physical existence of the assets rather than their technical expediency.
10. We have made certain assumptions in relation to facts, conditions & situations affecting the subject of, or approach to this exercise that has not been verified as part of the engagement rather, treated as “a supposition taken to be true”. If any of these assumptions prove to be incorrect then our estimate on value will need to be reviewed.
11. Our report is meant only for the purpose and the client mentioned in the report and should not be used for any other purpose or by any other person. The Report should not be copied or reproduced for any purpose other than the purpose for which it is prepared for. I/we do not take any responsibility for the unauthorized use of this report.
12. We owe responsibility only to the authority/client that has appointed us as per the scope of work mentioned in the report. We will not be liable for any losses, claims, damages or liabilities arising out of the actions taken, omissions or advice given by any other person. In no event shall we be liable for any loss, damages, cost or expenses arising in any way from fraudulent acts, misrepresentations or wilful default on part of the client or companies, their directors, employees or agents.
13. At our end we have not verified the authenticity of any documents provided to us from the originals or any Govt. authority. Documents/ details/ information submitted to us both verbally or in writing have been relied upon in good faith.
14. This CE assessment is done by R.K Associates Valuers & Techno Engineering Consultants (P) Ltd. and its team of engineers.