

GOVERNMENT OF INDIA  
MINISTRY OF CHEMICALS & FERTILIZERS  
DEPARTMENT OF FERTILIZERS

**LOK SABHA**

**UNSTARRED QUESTION NO. 2135 TO BE ANSWERED ON: 15.12.2023**

**Nano Fertilizer Plant in Jharkhand**

**2135 SHRI VISHNU DAYAL RAM:**

Will the Minister of **CHEMICALS AND FERTILIZERS** be pleased to state:

- (a) the quantum of production of organic chemicals and the capacity utilization in the country during the last four years and the current year, year-wise;
- (b) the quantum of exports of organic chemicals during the same time period;
- (c) whether the Government proposes to increase the export of organic chemicals;
- (d) if so, the details thereof;
- (e) whether there is any proposal from the State Government of Jharkhand for setting up of nano fertilizer plants in the districts of Garhwah/Palamu; and
- (f) if so, the details thereof

**ANSWER**

MINISTER OF STATE OF CHEMICALS & FERTILIZERS  
**(SHRI BHAGWATH KHUBA)**

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(a): The quantum of production of organic chemicals and the capacity utilization in the country during the last four years and the current year, year wise is placed at **Annexure-I**.

(b) to (d): The quantum of exports of organic chemicals during the same time period is placed at **Annexure-II**. Government encourages export through a series of trade facilitation measures including smooth functioning of remission schemes like drawback, Remission of Duties or Taxes on Export Products Schemes (RODTEP), etc. In addition, participation in international fairs and exhibitions, organising reverse buyer-seller meets are supported by the Government.

(e) & (f): No, Sir. No such proposal has been received from the State Government of Jharkhand.

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|             |                     |                           |                   |                                 |                           |                   |                                 | <b>Annexure-I (1/2)</b>   |                   |                                 |
|-------------|---------------------|---------------------------|-------------------|---------------------------------|---------------------------|-------------------|---------------------------------|---------------------------|-------------------|---------------------------------|
|             |                     | <b>2018-19</b>            |                   |                                 | <b>2019-20</b>            |                   |                                 | <b>2020-21</b>            |                   |                                 |
| <b>S.No</b> | <b>Product</b>      | <b>Installed Capacity</b> | <b>Production</b> | <b>Capacity Utilization (%)</b> | <b>Installed Capacity</b> | <b>Production</b> | <b>Capacity Utilization (%)</b> | <b>Installed Capacity</b> | <b>Production</b> | <b>Capacity Utilization (%)</b> |
| 1           | ACETIC ACID         | 141616                    | 153801            | 108.6                           | 142048                    | 167856            | 118.2                           | 142048                    | 154755            | 108.9                           |
| 2           | ACETIC ANHYDRIDE    | 113325                    | 95471             | 84.2                            | 119175                    | 74149             | 62.2                            | 119175                    | 75088             | 63.0                            |
| 3           | ACETONE             | 47140                     | 40740             | 86.4                            | 47140                     | 36268             | 76.9                            | 47140                     | 39034             | 82.8                            |
| 4           | PHENOL              | 76750                     | 65394             | 85.2                            | 76750                     | 57850             | 75.4                            | 76750                     | 61272             | 79.8                            |
| 5           | METHANOL            | 474300                    | 271929            | 57.3                            | 474300                    | 176046            | 37.1                            | 474300                    | 234026            | 49.3                            |
| 6           | FORMALDEHYDE        | 411300                    | 226610            | 55.1                            | 411300                    | 260413            | 63.3                            | 397800                    | 244660            | 61.5                            |
| 7           | NITROBENZENE        | 112050                    | 68804             | 61.4                            | 129450                    | 61138             | 47.2                            | 126450                    | 76092             | 60.2                            |
| 8           | CITRIC ACID         | 0                         | 0                 | 0.0                             | 0                         | 0                 | 0.0                             | 0                         | 0                 | 0.0                             |
| 9           | MALEIC ANHYDRIDE    | 6400                      | 4557              | 71.2                            | 7660                      | 5024              | 65.6                            | 7660                      | 5382              | 70.3                            |
| 10          | PENTAERYTHRITOL     | 15760                     | 14990             | 95.1                            | 15760                     | 15210             | 96.5                            | 15760                     | 11652             | 73.9                            |
| 11          | ANILINE             | 54100                     | 37852             | 70.0                            | 54100                     | 25437             | 47.0                            | 54100                     | 33529             | 62.0                            |
| 12          | CHLORO METHANES     | 279250                    | 285531            | 102.2                           | 279250                    | 296909            | 106.3                           | 330990                    | 326952            |                                 |
| 13          | ISOBUTYLBENZENE     | 13800                     | 9699              | 70.3                            | 16800                     | 9441              | 56.2                            | 16800                     | 12719             | 75.7                            |
| 14          | ONCB                | 30000                     | 23696             | 79.0                            | 30000                     | 19836             | 66.1                            | 30000                     | 23269             | 77.6                            |
| 15          | PNCB                | 48400                     | 36073             | 74.5                            | 48400                     | 31903             | 65.9                            | 48400                     | 38885             | 80.3                            |
| 16          | MEK                 | 10000                     | 6995              | 70.0                            | 10000                     | 9834              | 98.3                            | 10000                     | 8001              | 80.0                            |
| 17          | ACETALDEHYDE        | 151010                    | 61890             | 41.0                            | 151010                    | 77102             | 51.1                            | 151010                    | 55965             | 37.1                            |
| 18          | ETHANOLAMINES       | 17760                     | 16703             | 94.0                            | 17760                     | 15390             | 86.7                            | 27000                     | 16703             | 61.9                            |
| 19          | ETHYL ACETATE       | 517828                    | 440563            | 85.1                            | 562060                    | 473392            | 84.2                            | 562060                    | 453127            | 80.6                            |
| 20          | MENTHOL             | 33650                     | 6239              | 18.5                            | 33650                     | 7444              | 22.1                            | 33650                     | 7482              | 22.2                            |
| 21          | ORTHO NITRO TOLUENE | 20685                     | 16886             | 81.6                            | 44800                     | 25975             | 58.0                            | 44800                     | 27672             | 61.8                            |
|             | <b>GROUP TOTAL</b>  | <b>2575124</b>            | <b>1884423</b>    | <b>73.2</b>                     | <b>2671413</b>            | <b>1846617</b>    | <b>69.1</b>                     | <b>2715893</b>            | <b>1906265</b>    | <b>70.2</b>                     |

| Sl. No | Product             | 2021-22            |                |                          | 2022-23            |                |                          |
|--------|---------------------|--------------------|----------------|--------------------------|--------------------|----------------|--------------------------|
|        |                     | Installed Capacity | Production     | Capacity utilization (%) | Installed Capacity | Production     | Capacity utilization (%) |
| 1      | ACETIC ACID         | 142048             | 166590         | 117.3                    | 165508             | 165488         | 100.0                    |
| 2      | ACETIC ANHYDRIDE    | 119175             | 78425          | 65.8                     | 124650             | 97851          | 78.5                     |
| 3      | ACETONE             | 47140              | 36115          | 76.6                     | 47140              | 33987          | 72.1                     |
| 4      | PHENOL              | 76750              | 58156          | 75.8                     | 76750              | 54980          | 71.6                     |
| 5      | METHANOL            | 474300             | 167714         | 35.4                     | 474300             | 69268          | 14.6                     |
| 6      | FORMALDEHYDE        | 451776             | 293071         | 64.9                     | 435276             | 301056         | 69.2                     |
| 7      | NITROBENZENE        | 126450             | 82846          | 65.5                     | 126450             | 64466          | 51.0                     |
| 8      | CITRIC ACID         | 0                  | 0              | 0.0                      | 0                  | 0              | 0.0                      |
| 9      | MALEIC ANHYDRIDE    | 7660               | 6328           | 82.6                     | 7660               | 6905           | 90.1                     |
| 10     | PENTAERYTHRITOL     | 17400              | 16334          | 93.9                     | 17400              | 15594          | 89.6                     |
| 11     | ANILINE             | 54100              | 39662          | 73.3                     | 54100              | 22165          | 41.0                     |
| 12     | CHLORO METHANES     | 345990             | 340820         | 98.5                     | 438450             | 411558         | 93.9                     |
| 13     | ISOBUTYLBENZENE     | 16800              | 8520           | 50.7                     | 16800              | 9603           | 57.2                     |
| 14     | ONCB                | 30000              | 26686          | 89.0                     | 30000              | 27076          | 90.3                     |
| 15     | PNCB                | 48400              | 43710          | 90.3                     | 48400              | 46193          | 95.4                     |
| 16     | MEK                 | 10000              | 8850           | 88.5                     | 10000              | 8348           | 83.5                     |
| 17     | ACETALDEHYDE        | 151970             | 72512          | 47.7                     | 151970             | 77697          | 51.1                     |
| 18     | ETHANOLAMINES       | 27000              | 20976          | 77.7                     | 27000              | 19685          | 72.9                     |
| 19     | ETHYL ACETATE       | 575060             | 445434         | 77.5                     | 575060             | 438343         | 76.2                     |
| 20     | MENTHOL             | 33650              | 10299          | 30.6                     | 33650              | 6357           | 18.9                     |
| 21     | ORTHO NITRO TOLUENE | 44800              | 29948          | 66.8                     | 44800              | 34895          | 77.9                     |
|        | <b>GROUP TOTAL</b>  | <b>2800469</b>     | <b>1952996</b> | <b>69.7</b>              | <b>2905364</b>     | <b>1911515</b> | <b>65.8</b>              |

*Source: The source of Production and Installed Capacity of Chemicals and Petrochemicals products (which are being monitoring by Statistics & Monitoring Division (S&M) of DCPC) is MPRs received from manufacturers under large and medium scale units only.*

| Exports of Organic Chemical products from 2018-19 to 2022-23 (Product wise) . |                     |               |               |               |               |               |               |               |               |               |               |
|---|---------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| [QTY in MT & VAL in Rs. Lakh]   |                     |               |               |               |               |               |               |               |               |               |               |
| S.No  | PRODUCT             | 2018-2019     |               | 2019-2020     |               | 2020-2021     |               | 2021-2022     |               | 2022-2023     |               |
|   |                     | QTY           | VAL           | QTY           | VAL           | QTY           | VAL           | QTY           | VAL           | QTY           | VAL           |
| 1   | ACETIC ACID         | 17821         | 10476         | 12746         | 6265          | 10697         | 6270          | 22227         | 20425         | 90011         | 57637         |
| 2   | ACETIC ANHYDRIDE    | 18444         | 13582         | 20529         | 12815         | 23960         | 15302         | 20700         | 24118         | 70740         | 71795         |
| 3   | ACETONE             | 10901         | 5904          | 11004         | 5646          | 28161         | 19355         | 21604         | 15500         | 26171         | 22360         |
| 4   | PHENOL              | 4724          | 11740         | 22273         | 23408         | 53100         | 39575         | 43658         | 50811         | 33384         | 55867         |
| 5   | METHANOL            | 10943         | 3819          | 12941         | 3482          | 8451          | 2607          | 18645         | 6084          | 82996         | 27831         |
| 6   | FORMALDEHYDE        | 12484         | 2495          | 14153         | 2484          | 15241         | 2734          | 16486         | 4115          | 32428         | 9463          |
| 7   | NITROBENZENE        | 103           | 110           | 133           | 131           | 98            | 99            | 119           | 149           | 303           | 474           |
| 8   | CITRIC ACID         | 2323          | 2010          | 2411          | 1942          | 2296          | 2018          | 5572          | 11418         | 6291          | 11436         |
| 9   | MALEIC ANHYDRIDE    | 87            | 105           | 167           | 193           | 50            | 62            | 114           | 204           | 266           | 419           |
| 10  | PENTAERYTHRITOL     | 2287          | 4161          | 2584          | 4741          | 1336          | 2550          | 2620          | 6578          | 4982          | 14109         |
| 11  | ANILINE             | 137           | 341           | 68            | 148           | 68            | 89            | 74            | 179           | 112           | 531           |
| 12  | CHLORO METHANES     | 75            | 149           | 49            | 107           | 68            | 156           | 122           | 250           | 131           | 339           |
| 13  | ISOBUTYLBENZENE     | 11740         | 16320         | 9705          | 14150         | 16156         | 20894         | 8541          | 13709         | 28560         | 56549         |
| 14  | ONCB                | 0             | 0             | 0             | 0             | 0             | 0             | 0             | 0             | 0             | 0             |
| 15  | PNCB                | 0             | 0             | 0             | 0             | 0             | 0             | 0             | 0             | 0             | 0             |
| 16  | MEK                 | 465           | 477           | 243           | 245           | 66            | 75            | 10            | 37            | 682           | 1051          |
| 17  | ACETALDEHYDE        | 1148          | 912           | 1139          | 893           | 1027          | 692           | 993           | 812           | 302           | 351           |
| 18  | ETHANOLAMINES       | 3143          | 13553         | 1686          | 10522         | 2760          | 11850         | 3081          | 10668         | 6350          | 29761         |
| 19  | ETHYL ACETATE       | 118682        | 82170         | 108384        | 63095         | 108725        | 69937         | 118930        | 133346        | 186157        | 173077        |
| 20  | MENTHOL             | 13351         | 253213        | 17089         | 265334        | 19980         | 240427        | 19795         | 222579        | 25429         | 309442        |
| 21  | ORTHO NITRO TOLUENE | 4289          | 4201          | 7220          | 7112          | 3682          | 3318          | 6853          | 7332          | 12324         | 16926         |
|   | <b>Total</b>        | <b>233147</b> | <b>425738</b> | <b>244524</b> | <b>422713</b> | <b>295922</b> | <b>438010</b> | <b>310144</b> | <b>528314</b> | <b>607619</b> | <b>859418</b> |

Source: DGCI, Kolkata, M/O Commerce and Industry.

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