



Government of India  
Ministry of Environment, Forest and Climate Change  
(Impact Assessment Division)

To,

The General Manager  
PRISM JOHNSON LIMITED  
305, Laxmi Niwas Apartments, Ameerpet, Hyderabad-16, TG 500016  
,,Hyderabad,Telangana-500016

**Subject:** Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/AP/IND/99537/2019 dated 17 May 2022. The particulars of the environmental clearance granted to the project are as below.

- |  |   |
|--|---|
| 1. EC Identification No.                   | EC22A009AP168594  |
| 2. File No.                                | IA-J-11011/159/2019-IA-II(I)  |
| 3. Project Type                            | New   |
| 4. Category                                | A   |
| 5. Project/Activity including Schedule No. | 3(b) Cement plants  |
| 6. Name of Project                         | Proposed Integrated Cement Project- Clinker (3.0 MTPA), Cement (4.8 MTPA), Captive Power Plant (48 MW) and WHRS (15 MW) at Village: Kotapadu, Mandal: Kolimigundala, District: Kurnool (Andhra Pradesh) by M/s. Prism Johnson Limited |
| 7. Name of Company/Organization            | PRISM JOHNSON LIMITED   |
| 8. Location of Project                     | Andhra Pradesh  |
| 9. TOR Date                                | 18 May 2019   |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 16/08/2022

(e-signed)  
Dr. R. B. Lal  
Scientist E  
IA - (Industrial Projects - 1 sector)

*Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.*

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**F. No. IA-J-11011/159/2019 -IA.II (I)**  
**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**(I.A. Division – Industry I sector)**

\*\*\*

Indira Paryavaran Bhawan  
Vayu Wing, 3<sup>rd</sup> Floor, Jor Bagh Road,  
Aliganj, New Delhi – 110003

**Dated: 16<sup>th</sup> August, 2022**

To,

**M/s Prism Johnson Limited**  
305, Laxmi Niwas Apartments, Ameerpet  
Hyderabad, Telangana-500016  
Email: [prism.andhra@prismjohnson.in](mailto:prism.andhra@prismjohnson.in)

**Project: Expansion Proposed Integrated Cement Project- Clinker (3.0 MTPA), Cement (4.8 MTPA), Captive Power Plant (48 MW) and WHRS (15 MW) by M/s. Prism Johnson Limited located Village Kotapadu, Mandal Kolimigundala, District: Kurnool, Andhra Pradesh – Grant of Environmental Clearance.**

Sir,

This refers to your proposal no. **IA/AP/IND/99537/2019 dated 17/05/2022** received through PARIVESH Portal for grant of **Environmental Clearance (EC)** for the project mentioned above.

2. As per the provisions of the Environment Impact Assessment (EIA) Notification, 2006, the above-mentioned project/activity is covered under category '**A**' of item **3(b) Cement Plants and 1(d) Thermal Power Plants of the EIA Notification, 2006 and appraised at Central Level.**

3. The above-mentioned proposal has been considered in **6<sup>th</sup> meeting of Expert Appraisal Committee (Industry-1 Sector) held on 30-31<sup>st</sup> May, 2022.** The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <https://parivesh.nic.in/>.

4. The details of the proposal are as per the EIA/EMP report submitted by the proponent. The salient features of the proposal as presented during the above-mentioned meetings of EAC (Industry 1 Sector) are as under: -

| <b>S. No.</b> | <b>Particulars</b>                           | <b>Details</b>  |
|---------------|--|---|
| a.            | Terms of Reference for undertaking EIA study | 18.05.2019  |
| b.            | Period of baseline data collection           | 01 Oct 2019 To 31 Dec 2019  |
| c.            | Date of Public Consultation                  | 05.03.2021  |
| d.            | Action plan to address the PH issues         | An amount of Rs. 2.69 crores have been earmarked to address the issues raised during public hearing. Detail of activities proposed attached as <b>Annexure 1.</b> |
| e.            | Location of the project                      | Village Kotapadu, Mandal Kolimigundala, District: Kurnool, Andhra Pradesh   |

| S. No.         | Particulars  | Details  |                 |                  |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|----------------|--|--|-----------------|------------------|------------|---------------|-----------|----------------|-------|---------------|----------|--------|---------------|------------|--------|---------------|-----------|--------|---------------|------------|--------|---------------|-----------|--------|--------------|
| f.             | Latitude and Longitude of the project site                   | <b>Point</b>   | <b>Latitude</b> | <b>Longitude</b> |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 1.   | 15°4'13.46"N    | 78°09'54.84"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 2.   | 15°4'21.27"N    | 78°09'53.47"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 3.   | 15°4'21.94"N    | 78°09'52.08"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 4.   | 15°4'33.75"N    | 78°10'07.21"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 5.   | 15°4'31.06"N    | 78°10'17.31"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 6.   | 15°4'34.14"N    | 78°10'18.19"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 7.   | 15°4'26.99"N    | 78°10'38.08"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 8.   | 15°4'24.77"N    | 78°10'36.57"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 9.   | 15°4'13.07"N    | 78°11'02.05"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 10.  | 15°3'57.30"N    | 78°11'27.02"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 11.  | 15°3'45.01"N    | 78°11'18.64"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 12.  | 15°3'47.94"N    | 78°11'11.92"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 13.  | 15°3'37.34"N    | 78°11'05.86"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 14.  | 15°3'42.63"N    | 78°10'54.64"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 15.  | 15°3'46.55"N    | 78°10'51.34"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 16.  | 15°3'51.76"N    | 78°10'52.78"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 17.  | 15°3'53.54"N    | 78°10'59.17"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 18.  | 15°3'54.26"N    | 78°10'59.42"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 19.  | 15°3'51.42"N    | 78°11'03.97"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 20.  | 15°3'52.18"N    | 78°11'03.91"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 21.  | 15°3'53.47"N    | 78°11'03.01"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 22.  | 15°3'58.11"N    | 78°11'02.83"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 23.  | 15°3'58.03"N    | 78°10'59.98"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 24.  | 15°4'2.15"N     | 78°10'52.55"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
|                |  | 25.  | 15°3'56.41"N    | 78°10'37.71"E    |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
| g.             | Total land   | 202.3 ha   |                 |                  |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
| h.             | Land acquisition details as per MoEF&CC O.M. dated 7/10/2014 | Total land is under the possession of the company.   |                 |                  |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
| i.             | Existence of habitation & involvement of R&R, if any         | <p><b>Project Site:</b> No habitation exists within the project site and R &amp; R is not applicable.</p> <p><b>Study Area:</b></p> <table border="1" data-bbox="635 1496 1268 1910"> <thead> <tr> <th>Habitation</th> <th>Distance (km)</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>Ramireddipalle</td> <td>500 m</td> <td>NNW direction</td> </tr> <tr> <td>Kotapadu</td> <td>1.0 km</td> <td>ESE direction</td> </tr> <tr> <td>Perusomula</td> <td>1.7 Km</td> <td>ESE Direction</td> </tr> <tr> <td>Kalvatala</td> <td>3.0 Km</td> <td>WSW Direction</td> </tr> <tr> <td>Mirjapuram</td> <td>3.4 Km</td> <td>WNW direction</td> </tr> <tr> <td>Nandipadu</td> <td>3.5 Km</td> <td>SW Direction</td> </tr> </tbody> </table> <p>There are approx. 28 villages in 10 km radius study area.</p> |                 |                  | Habitation | Distance (km) | Direction | Ramireddipalle | 500 m | NNW direction | Kotapadu | 1.0 km | ESE direction | Perusomula | 1.7 Km | ESE Direction | Kalvatala | 3.0 Km | WSW Direction | Mirjapuram | 3.4 Km | WNW direction | Nandipadu | 3.5 Km | SW Direction |
| Habitation     | Distance (km)  | Direction  |                 |                  |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
| Ramireddipalle | 500 m  | NNW direction  |                 |                  |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
| Kotapadu       | 1.0 km   | ESE direction  |                 |                  |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
| Perusomula     | 1.7 Km   | ESE Direction  |                 |                  |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
| Kalvatala      | 3.0 Km   | WSW Direction  |                 |                  |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
| Mirjapuram     | 3.4 Km   | WNW direction  |                 |                  |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
| Nandipadu      | 3.5 Km   | SW Direction   |                 |                  |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |
| j.             | Elevation of the project site                                | 245 m to 265 m above mean sea level.   |                 |                  |            |               |           |                |       |               |          |        |               |            |        |               |           |        |               |            |        |               |           |        |              |



| S. No.                                      | Particulars  | Details   |            |                         |                           |                                   |          |      |   |         |     |                         |         |     |               |         |     |                      |         |    |                          |         |     |                  |          |   |           |         |     |           |         |     |             |          |     |             |          |    |
|---|--|---|------------|-------------------------|---------------------------|-----------------------------------|----------|------|---|---------|-----|-------------------------|---------|-----|---------------|---------|-----|----------------------|---------|----|--------------------------|---------|-----|------------------|----------|---|-----------|---------|-----|-----------|---------|-----|-------------|----------|-----|-------------|----------|----|
| k.  | Involvement of Forest land if any.   | No Forest Land is involved in the proposed expansion project area.  |            |                         |                           |                                   |          |      |   |         |     |                         |         |     |               |         |     |                      |         |    |                          |         |     |                  |          |   |           |         |     |           |         |     |             |          |     |             |          |    |
| l.  | Water body exists within the project site as well as study area  | <p><b>Project site:</b> No water body exists within the project site.<br/> <b>Study area:</b> Following water bodies falls within 10 km radius:</p> <table border="1"> <thead> <tr> <th>Water body</th> <th>Distance</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>Srisailam Right Bank Canal (SRBC)</td> <td>~ 1.5 km</td> <td>NE</td> </tr> <tr> <td>Galeru Nagari Sujala Sravanthi canal (GNSS)</td> <td>~1.0 km</td> <td>ENE</td> </tr> <tr> <td>Ramabhadrapalle Cheruvu</td> <td>~3.0 km</td> <td>ENE</td> </tr> <tr> <td>Nalla Cheruvu</td> <td>~5.5 km</td> <td>ESE</td> </tr> <tr> <td>Timmananyani Cheruvu</td> <td>~6.5 km</td> <td>SW</td> </tr> <tr> <td>Saddala Vanganna Cheruvu</td> <td>~7.5 km</td> <td>WNW</td> </tr> <tr> <td>Burrareddy Kanta</td> <td>Adjacent</td> <td>S</td> </tr> <tr> <td>Mada Vagu</td> <td>~1.5 km</td> <td>ESE</td> </tr> <tr> <td>Erra Vagu</td> <td>~4.5 km</td> <td>ENE</td> </tr> <tr> <td>Kanala Vagu</td> <td>~ 7.0 km</td> <td>ENE</td> </tr> <tr> <td>Gondra Vagu</td> <td>~ 8.0 km</td> <td>NE</td> </tr> </tbody> </table> | Water body | Distance                | Direction                 | Srisailam Right Bank Canal (SRBC) | ~ 1.5 km | NE   | Galeru Nagari Sujala Sravanthi canal (GNSS) | ~1.0 km | ENE | Ramabhadrapalle Cheruvu | ~3.0 km | ENE | Nalla Cheruvu | ~5.5 km | ESE | Timmananyani Cheruvu | ~6.5 km | SW | Saddala Vanganna Cheruvu | ~7.5 km | WNW | Burrareddy Kanta | Adjacent | S | Mada Vagu | ~1.5 km | ESE | Erra Vagu | ~4.5 km | ENE | Kanala Vagu | ~ 7.0 km | ENE | Gondra Vagu | ~ 8.0 km | NE |
| Water body                                  | Distance   | Direction   |            |                         |                           |                                   |          |      |   |         |     |                         |         |     |               |         |     |                      |         |    |                          |         |     |                  |          |   |           |         |     |           |         |     |             |          |     |             |          |    |
| Srisailam Right Bank Canal (SRBC)           | ~ 1.5 km   | NE  |            |                         |                           |                                   |          |      |   |         |     |                         |         |     |               |         |     |                      |         |    |                          |         |     |                  |          |   |           |         |     |           |         |     |             |          |     |             |          |    |
| Galeru Nagari Sujala Sravanthi canal (GNSS) | ~1.0 km  | ENE   |            |                         |                           |                                   |          |      |   |         |     |                         |         |     |               |         |     |                      |         |    |                          |         |     |                  |          |   |           |         |     |           |         |     |             |          |     |             |          |    |
| Ramabhadrapalle Cheruvu                     | ~3.0 km  | ENE   |            |                         |                           |                                   |          |      |   |         |     |                         |         |     |               |         |     |                      |         |    |                          |         |     |                  |          |   |           |         |     |           |         |     |             |          |     |             |          |    |
| Nalla Cheruvu                               | ~5.5 km  | ESE   |            |                         |                           |                                   |          |      |   |         |     |                         |         |     |               |         |     |                      |         |    |                          |         |     |                  |          |   |           |         |     |           |         |     |             |          |     |             |          |    |
| Timmananyani Cheruvu                        | ~6.5 km  | SW  |            |                         |                           |                                   |          |      |   |         |     |                         |         |     |               |         |     |                      |         |    |                          |         |     |                  |          |   |           |         |     |           |         |     |             |          |     |             |          |    |
| Saddala Vanganna Cheruvu                    | ~7.5 km  | WNW   |            |                         |                           |                                   |          |      |   |         |     |                         |         |     |               |         |     |                      |         |    |                          |         |     |                  |          |   |           |         |     |           |         |     |             |          |     |             |          |    |
| Burrareddy Kanta                            | Adjacent   | S   |            |                         |                           |                                   |          |      |   |         |     |                         |         |     |               |         |     |                      |         |    |                          |         |     |                  |          |   |           |         |     |           |         |     |             |          |     |             |          |    |
| Mada Vagu                                   | ~1.5 km  | ESE   |            |                         |                           |                                   |          |      |   |         |     |                         |         |     |               |         |     |                      |         |    |                          |         |     |                  |          |   |           |         |     |           |         |     |             |          |     |             |          |    |
| Erra Vagu                                   | ~4.5 km  | ENE   |            |                         |                           |                                   |          |      |   |         |     |                         |         |     |               |         |     |                      |         |    |                          |         |     |                  |          |   |           |         |     |           |         |     |             |          |     |             |          |    |
| Kanala Vagu                                 | ~ 7.0 km   | ENE   |            |                         |                           |                                   |          |      |   |         |     |                         |         |     |               |         |     |                      |         |    |                          |         |     |                  |          |   |           |         |     |           |         |     |             |          |     |             |          |    |
| Gondra Vagu                                 | ~ 8.0 km   | NE  |            |                         |                           |                                   |          |      |   |         |     |                         |         |     |               |         |     |                      |         |    |                          |         |     |                  |          |   |           |         |     |           |         |     |             |          |     |             |          |    |
| m.  | Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area | Nil   |            |                         |                           |                                   |          |      |   |         |     |                         |         |     |               |         |     |                      |         |    |                          |         |     |                  |          |   |           |         |     |           |         |     |             |          |     |             |          |    |
| n.  | Project cost   | Proposed – INR Rs. 1972.26 Crores   |            |                         |                           |                                   |          |      |   |         |     |                         |         |     |               |         |     |                      |         |    |                          |         |     |                  |          |   |           |         |     |           |         |     |             |          |     |             |          |    |
| o.  | EMP cost   | <table border="1"> <thead> <tr> <th>Type</th> <th>Capital (Rs. in Crores)</th> <th>Recurring (Rs. in Crores)</th> </tr> </thead> <tbody> <tr> <td>Proposed</td> <td>110</td> <td>8.25</td> </tr> </tbody> </table>  | Type       | Capital (Rs. in Crores) | Recurring (Rs. in Crores) | Proposed                          | 110      | 8.25 |   |         |     |                         |         |     |               |         |     |                      |         |    |                          |         |     |                  |          |   |           |         |     |           |         |     |             |          |     |             |          |    |
| Type  | Capital (Rs. in Crores)  | Recurring (Rs. in Crores)   |            |                         |                           |                                   |          |      |   |         |     |                         |         |     |               |         |     |                      |         |    |                          |         |     |                  |          |   |           |         |     |           |         |     |             |          |     |             |          |    |
| Proposed                                    | 110  | 8.25  |            |                         |                           |                                   |          |      |   |         |     |                         |         |     |               |         |     |                      |         |    |                          |         |     |                  |          |   |           |         |     |           |         |     |             |          |     |             |          |    |
| p.  | Employment opportunity   | 5000 persons during construction phase and about 560 persons during operational phase   |            |                         |                           |                                   |          |      |   |         |     |                         |         |     |               |         |     |                      |         |    |                          |         |     |                  |          |   |           |         |     |           |         |     |             |          |     |             |          |    |
| q.  | Water and Power requirement  | (Existing + proposed )Water –2400 KLD , Power – 48 MW   |            |                         |                           |                                   |          |      |   |         |     |                         |         |     |               |         |     |                      |         |    |                          |         |     |                  |          |   |           |         |     |           |         |     |             |          |     |             |          |    |

**Unit configuration and capacity:**

| S. No. | Plant Equipment / Facility | Proposed Unit*           |          |
|--------|----------------------------|--------------------------|----------|
|        |                            | Configuration            | Capacity |
| 1.     | Clinker                    | Kiln: 9000 TPD           | 3.0 MTPA |
| 2.     | Cement                     | Cement Mill: 3 x 275 TPH | 4.8 MTPA |
| 3.     | Captive Power Plant        | -                        | 48 MW    |



|    |      |   |       |
|----|------|---|-------|
| 4. | WHRS | - | 15 MW |
|----|------|---|-------|

5. The EAC, in its 6<sup>th</sup> meeting of Expert Appraisal Committee (Industry-1 Sector) held on 30-31<sup>st</sup> May, 2022, based on information & clarifications provided by the project proponent and after detailed deliberations **recommended** the proposal for grant of Environment Clearance subject to stipulation of specific and general conditions as detailed in the point below.

6. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the **Expert Appraisal Committee (Industry-1 Sector) hereby decided to grant Environment Clearance for instant proposal of M/s. Prism Johnson Limited** under the provisions of EIA Notification, 2006 subject to the following specific conditions and general conditions:

**A. Specific Conditions**

- (i) The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- (ii) The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
- (iii) The canal, nallahs and other water bodies passing adjacent to project site within the study area shall not be disturbed. Detailed mitigation measures to prevent any impacts on the canal and nallah needs to be prepared and implemented.
- (iv) The activities and the action plan proposed by the project proponent to address the issues raised during public hearing and socio-economic issues in the study area shall be completed as per the schedule presented before the Committee and as described in the EIA report in letter and spirit.
- (v) Particulate matter emissions from all the stacks shall be less than 30 mg/Nm<sup>3</sup>.
- (vi) Three tier Green Belt shall be developed in a time frame of one year covering 33% of the total land area with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years.
- (vii) 2400 KLD of additional water requirement for the proposed project shall be met from the Ground Water for drinking purpose and the remaining requirement of 2150 KLD will be met from the Owk Reservoir, Rainwater harvested in captive mine pits (after development of pits) after obtaining necessary permissions from the Competent Authority. PP shall prepare and implement a plan for gradual phasing out of ground water consumption.
- (viii) All stockyards shall be having impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains to trap the run off material.
- (ix) Slip roads shall be provided at the gates and along crossings on main roads.
- (x) All internal and connecting road to the Highway shall be black topped/ concreted with suitable load in term of Million Standard Axle (MSA) as per IRC guidelines.



- (xi) Performance monitoring of pollution control equipment shall be taken up yearly and compliance status in this regard shall be reported to the concerned Regional Office of the MoEF&CC.
- (xii) Dioxin and furans shall be monitored twice a year during co-processing of hazardous waste and report shall be submitted to the Regional Office of the MoEF&CC.
- (xiii) Project proponent shall develop separate drainage system for storm water and industrial waste water and effectively prevent the pollution of natural waterbody.
- (xiv) Petcoke dosing shall be controlled automatically to control SO<sub>2</sub> emission from chimney within the prescribed limits.
- (xv) Rain water harvesting shall be carried out as per the action plan submitted in the EIA report.
- (xvi) All the recommendations made in the risk assessment report shall be implemented and compliance status in this regard shall be furnished to the Regional Office of the MoEF&CC along with the six monthly compliance report.
- (xvii) A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
- (xviii) As the project area is of rocky type and fall on an elevated land, the PP shall ensure for proper soil erosion control measures and soil conservation program.
- (xix) The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.

## **B. General conditions**

### **I. Statutory compliance:**

- i. The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.

### **II. Air quality monitoring and preservation**

- i. The project proponent shall install 24x7 Continuous Emission Monitoring System (CEMS) at process stacks to monitor stack emission as well as 4 Nos. Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
- iii. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.



- iv. The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash;
- v. The project proponent shall provide wind shelter fence and chemical spraying on the raw material stock piles;
- vi. Ventilation system shall be designed for adequate air changes as per the prevailing norms for all tunnels, motor houses, and cement bagging plants.

### **III. Water quality monitoring and preservation**

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25<sup>th</sup> August, 2014 (Cement) and subsequent amendment dated 9<sup>th</sup> May, 2016 (Cement) and 10<sup>th</sup> May, 2016 (in case of Co-processing Cement) as amended from time to time; S.O. 3305 (E) dated 7<sup>th</sup> December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall regularly monitor ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- iii. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- iv. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off
- v. Water meters shall be provided at the inlet to all unit processes in the cement plant.
- vi. The project proponent shall make efforts to minimize water consumption in the cement plant complex by segregation of used water, practicing cascade use and by recycling treated water.

### **IV. Noise monitoring and prevention**

- i. Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.

### **V. Energy Conservation measures**

- i. Waste heat recovery system shall be provided for kiln and cooler.
- ii. The project proponent makes efforts to achieve power consumption less than 65 units/ton for Portland Pozzolona Cement (PPC) and 85 units/ton for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.
- iii. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
- iv. Provide the project proponent for LED lights in their offices and residential areas.



## **VI. Waste management**

- i. Used refractories shall be recycled as far as possible.

## **VII. Green Belt**

- i. PP is advised to engage a professional body like state forest department to accomplish green belt program successfully.
- ii. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon sequestration by trees in the plant premises.
- iii. Project proponent shall submit a study report within six months on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitorable with defined time frames.

## **VIII. Public hearing and Human health issues**

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
- iii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

## **IX. Environment Management**

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, as committed by the PP, that the company shall adopt eight villages namely, Kotapadu, Kalvatala, Nandipadu, Perusomala, Peddaventrula, Kolimigundala, Ramireddipale and Mirjapuram based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
- ii. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020.
- iii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.





- iv. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.

## **X. Miscellaneous**

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- viii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- ix. The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
- x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).



- xv. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
  - xii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
  - xiii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
  - xiv. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
  - xv. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
7. This issues with the approval of the Competent Authority.



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**Encl. as above at Annexure –I**

**Copy to: -**

1. The Principal Secretary, Environment and Forests Department Secretariat, Government of Andhra Pradesh, B Block, Secretariat, Hyderabad-500004
2. The Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi.
3. The Principal Chief Conservator of Forests, Government of Andhra Pradesh, Aranya Bhawan, Hyderabad-500 004
4. The Deputy Director General of Forests (C),, Integrated Regional Office, Ministry of Environment, Forest and Climate Change, Vijayawada Green House Complex, Vijayawada, Andhra Pradesh 520010
5. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi - 110032
6. The Member Secretary, Andhra Pradesh Pollution Control Board, D.No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre, Chalamalavari, Street, Kasturibaipet, Vijayawada – 520010
7. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001



8. The Chief Wildlife Warden, Govt. of Andhra Pradesh, Aranya Bhawan, Saifabad, Hyderabad-500004
9. The District Collector, District Kurnool, Andhra Pradesh
10. Guard File/Monitoring File/Record File/ MoEF&CC Website/ Parivesh Portal.



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## Action plan as per MoEF&amp;CC O.M. dated 30/09/2020

| S. No. | Concerns raised during the Public Hearing | Physical activity to be done  | Unit of Measurement                           |  |   | Tentative Budget (Rs. in lacs) |
|--------|---|---|---|--|---|--------------------------------|
|        |   |   | 1 <sup>st</sup> Year                          | 2 <sup>nd</sup> Year                           | 3 <sup>rd</sup> Year                            |                                |
| 1      | Employment                                | Development of Women Empowerment & Entrepreneurship Development Center      |   | 1 Nos<br>(Mandal Kolimigundla)                 |   | 15                             |
| 2      | Socio-economic Development                |   |   |  |   |                                |
| 2a     | Infrastructure Development                | Construction of Vocational Training Centre                                  |   |  | 1 nos.<br>(Plant area - Admin Building Complex) | 20                             |
|        |   | Construction of Community Center cum Function Hall                          |   | 1 nos.<br>(Village Perusomulla)                | 1 nos.<br>(Village Timmanayenepet)              | 30                             |
|        |   | Maintenance of village road   |   |  | 1 nos.<br>(Village Kotapadu)                    | 5                              |
|        |   | Provide street lights   | 30 nos.<br>(Village Kotapadu)                 | 30 nos.<br>(Village Kalvatala)                 |   | 2                              |
|        |   | Construction of Open CC Drain   | 100 Mts<br>(Village Kotapadu)                 | 600 Mts<br>(Village Nandipadu)                 |   | 22.5                           |
| 2b     | Ground Water Conservation                 | Renovation and maintenance of the already constructed check dams            |   | 1 nos.<br>(Village Kotapadu)                   | 2 nos.<br>(Village Kalvatala)                   | 5                              |
|        |   | Development of Percolation Tank   |   |  | 2 Nos<br>(Village Kotapadu and Kalvatala)       | 10                             |
|        |   | Rain water harvesting on Govt. School Building                              | 2 nos.<br>(Village Kotapadu & Kalvatala)      | 1 no.<br>(Village Perusomulla)                 |   | 6                              |
| 2c     | For providing Water Facility              | Construction of Pipeline  | 1200 Mts<br>(GI Pipeline at Village Kotapadu) | 1800 Mts<br>(GI Pipeline at Village Nandipadu) |   | 16.5                           |
|        |   | Installation of Borewell set with Submersible pump and big size Syntax Tank | 1 nos.<br>(Village Kotapadu)                  | 1 nos.<br>(Village Nandipadu)                  | 1 nos.<br>(Village Kalvatala)                   | 15                             |
|        |   | RO Water Plant  |   | 1 Nos<br>(Village Kotapadu)                    | 1 Nos<br>(Village Nandipadu)                    | 10                             |
| 2d     | Education                                 | Digital education   |   | 2 nos.   | 1 Nos.  | 15                             |



| S. No.   | Concerns raised during the Public Hearing | Physical activity to be done  | Unit of Measurement                   |   |   | Tentative Budget (Rs. in lacs) |
|--|---|---|---------------------------------------|---|---|--------------------------------|
|  |   |   | 1 <sup>st</sup> Year                  | 2 <sup>nd</sup> Year                          | 3 <sup>rd</sup> Year                        |                                |
|  |   | through development of Furnished Computer Lab   |                                       | (Village Kotapadu and Kalvatala)              | (Village Nandipadu)                         |                                |
|  |   | Development & modification of Playground and construction of Cultural Programme Stage   | 1 nos. (Village Kotapadu)             | 1 nos. (Village Nandipadu)                    |   | 10                             |
| 2e   | Health                                    | Provide Medical Mobile Van (medicine & checkup) for Villages Kotapadu, Kalvatala, Perusomulla, Nandipadu, Peddavendurla, Mirjapuram | 1 nos.                                |   |   | 20                             |
|  |   | Renovation of Primary Health Center / Sub Health Centre   |                                       | 1 nos. (Village Kolimigundla)                 | 1 nos. (Village Perusomulla)                | 10                             |
|  |   | Provide medical investigating equipment and need based support Material set   | 1 Centre (Village Kolimigundla)       |   | 1 Centre (Sanjamala Mandal)                 | 10                             |
|  |   | Provide ambulance to the villagers in Villages Kotapadu, Kalvatala, Perusomulla, Nandipadu, Peddavendurla and Mirjapuram            |                                       |   | 1 nos.                                      | 14                             |
|  |   | Provide COVID vaccination in Primary Health Centers   |                                       | 1000 doses<br>1 Centre (Village Kolimigundla) | 1000 doses<br>1 Centre (Sanjamala Mandal)   | 15                             |
| 3  | Plantation                                | Block Plantation  | 1000 nos. saplings (Village Kotapadu) | 1000 nos. saplings (Village Kalvatala)        | 1000 nos. saplings (Village Nandipadu 1000) | 18                             |
|  |   |   | <b>Total</b>                          |   |   | <b>269</b>                     |
| <p><i>*The above action plan will be implemented during project implementation phase. Zero date will start from the date of construction start for the proposed project.</i></p> <p><i>**The activities given in the above table are excluding the Pollution Control and mitigation measures which are included in EMP Cost [i.e., Capital Cost: Rs. 110 Crores &amp; Annual Recurring Cost: Rs 8.25 Crores/annum]</i></p> |   |   |                                       |   |   |                                |

