Telangana State
INDUSTRIAL INFRASTRUCTURE CORPORATION LIMITED
(An undertaking of Telangana Govt.)
O/o Chief Engineer, 5th Floor, Parisrama Bhavanam, Basheerbagh,
Hyderabad – 500 004. Ph.No:040-23237625/26

INVITATIONS FOR BIDS (IFB)

Date: 13.06.2018
Bid No.: 25/EMP/TSIIC/2018-19

TSIIC is developing an exclusive for Electronic Hardware Park with an extent of 339.75 Acres (Out of Ac. 339.75, area earmarked for Electronic Manufacturing Zone (EMC) is Ac. 277.20 and area earmarked for General park is Ac. 62.55) located at Maheshwaram (V & M), Ranga Reddy (District) proposed for Electronic manufacturing & assembling units.

Further, it is proposed to focus on industries involved in the fields of Electronics manufacturing including mobile manufacturing units, LED components, consumables and accessories, consumer electronics, strategic electronic goods etc.,

TSIIC has done Environmental Impact Assessment studies and obtained the Environmental Clearance for this park under the Environment Protection Act, 1986.

In order to comply the Environmental Clearance terms & conditions for the Electronic Hardware Park at Maheshwaram (V&M), Ranga Reddy (District) Telangana, it is proposed to select a NABL & QC accredited Environmental consultant for a period of 2 years.

1. The Chief Engineer, TSIIC Ltd, 5th Floor, Parishrama Bhavan, Basheerbagh, Hyderabad invites bids for Environmental Quality Monitoring for Electronic Hardware Park at Maheshwaram (V&M), Ranga Reddy (District) Telangana, as per EC conditions & EIA notification for a period of 2 Years as detailed in the Annexure 1&2.

2. Bid documents & Copy of the Environmental Clearance can be downloaded from TSIIC Website www.tsiic.telangana.gov.in.

1. The Bidder should submit Bid documents along with the required processing fee and EMD in the shape of Bank Cheque(BC)/ Demand Draft(DD) as indicated in the Bid document. No other form of payment will be accepted. No exemption of Processing Fee & EMD will be entertained in respect of any category under any circumstances. The BC/ DD’s shall be drawn as follows.
i. Processing fee of Rs.11,800/- (including GST) in favour of TSIIC Ltd., Hyderabad which is non refundable,

ii. EMD of Rs.1,00,000/- in favour of TSIIC Ltd., Hyderabad which is refundable to the unsuccessful bidders.

3. Bids shall be valid for period of 90 days after the deadline date specified for submission.

4. Sealed Bids in the prescribed format shall be delivered to The Chief Engineer, TSIIC Ltd, 5th Floor, Parshrama Bhavan, Basheerbagh, Hyderabad, on or before 15.00 hours on 02.07.2018 in two covers in which (i) Cover “A” i.e. “Technical Proposal” contains the documental proof for qualification criteria under clauses of section ‘A’, and Cover “B” i.e. “Financial Proposal” contains Bid Form and Price Bid in Section - “B”.

5. The Cover ‘A’ containing the technical proposal will be opened the same day at 15.30 hours in the presence of the bidders who wish to attend. If the office happens to be closed on the date of receipt of the bids as specified, the bids will be received and opened on the next working day at the same time and venue. The cover ‘B’, containing the “Financial Proposal”, shall be opened after the technical evaluation.

6. Other details can be seen in the bidding documents.

Sd/-

Chief Engineer,
TSIIC Ltd.
5th Floor, Parisrama Bhavan.
Hyderabad
Tel.No. 040-23237625/26
INSTRUCTIONS TO BIDDERS
Technical Bid- Cover ‘A’
SECTION - A

1. Scope of Work:

The Chief Engineer, TSIIC Ltd, 5th Floor, Parishrama Bhavan, Basheerbagh, Hyderabad invites bids for Environmental Quality Monitoring as per EIA Notification 2006 and terms and conditions of EC as details given below.

a. Periodic sampling, assessment, data collection and analysis on air quality, noise, Water for all relevant parameters as per EC terms and conditions.
b. Periodic submission of the reports i.e. half yearly to regional MoEF&CC office and Form-V yearly to TSPCB through TSIIC as per EC terms & conditions.
c. Assessment of environmental impacts during operational phase and possible implementable solutions to mitigate the impact.
d. Stakeholder consultations for sharing data, understanding the impact and possible solutions.
e. Consultants should also advise to TSIIC time to time for better sustainable industrial development environment in the Industrial Park.
f. The number of samples and locations may subject to change as per the requirement of the TSIIC.
g. The assignment shall not be sublet either in full or partial to other agencies.
h. Any other conditions / assessments as specified by the regulatory authorities

2. Qualification of the bidder: The bidder shall provide qualification information which shall include:-

(a) The Bidder must have MoEF&CC recognized & NABL accredited laboratory certification.

(b) The Bidder should be engaged as a consultant for at least Three Environmental Quality Monitoring projects in the last three years.

(c) Bidder should have qualified staff (Must be Graduate and above & expertise in above mentioned environmental aspects) for carrying out the work, minimum 5 members and their CV’s should be enclosed along with the Bid.

(d) Latest Income tax clearance certificate from the concerned IT circle;

(e) Each bidder shall enclose Earnest Money Deposit (EMD) Rs.1,00,000/- in the form of BC/Demand Draft in favor of TSIIC Ltd, Hyderabad which will be refundable to unsuccessful bidders.

(f) Detailed approach and cost details as per Annexure 1.
3. Bid Price

a) The quoted rates should be excluding GST inclusive of all other taxes etc.

b) The number of samples and locations may subject to EC terms & conditions and (or) change as per the requirement of the construction and operation stage of the Electronic Hardware Park at Maheshwaram (V&M), Ranga Reddy (District) Telangana, as decided by Chief Engineer, TSIIC / TSPCB.

c) The Total Bid Price is for all parameters as per Annexure I.

4. Submission of Bids

4.1 The bidder is advised to visit the site of works at his own expense before submitting the bid document.

4.2 The bidder shall submit tender in sealed covers i.e. Cover “A” containing the Technical Proposal along with processing fee and EMD & Cover “B” containing the Financial Proposal, separately in two envelopes addressed to the “The Chief Engineer, TSIIC Ltd, 5th Floor, Parishrama Bhavan, Basheerbagh, Hyderabad”. The envelopes will also bear the following identification:

- **Cover “A”, Technical Proposal** for “Environmental quality monitoring of Electronic Hardware Park at Maheshwaram (V&M), Ranga Reddy (District) Telangana, as per EIA notification and EC terms & conditions.

- **Cover “B”, Financial Proposal** for “Environmental Quality monitoring of Electronic Hardware Park at Maheshwaram (V&M), Ranga Reddy (District) Telangana, as per EIA notification and EC terms & conditions.

- Cover “A”, will be opened on **15.30 hours on 02.07.2018**. The cover ‘B’, containing the “Financial Proposal”, will be opened in presence of technically qualified bidders after the completion of technical evaluation.

4.4 If the office happens to be closed on the date of receipt of the bids as specified, the bids will be received and opened on the next working day at the same time and venue.

4.5 Any bid received by The Chief Engineer, TSIIC Ltd, 5th Floor, Parishrama Bhavan, Basheerbagh, Hyderabad, after the deadline for submission of bids will be rejected and returned unopened to the bidders.
5. The “CHIEF ENGINEER OFFICE” reserves the right to reject any Bid Without any reason.

6. Selection of Bidder

6.1 Financial Bid:

a) The financial Bid would be assessed on the basis of the least amount quoted by a Bidder for the assignment.

b) Generally, the lowest Bidder shall be the “Selected Bidder”. The remaining Bidders shall be kept in reserve and may be invited for negotiations in case such lowest Bidder withdraws or is not selected for any reason.

c) If two or more Bidders quoted same amount, then the Bidder who have experience of more similar assignments of the two shall be considered for selection.

d) In the event that the lowest Bidder withdraws or is not selected for any reason in the first instance, the Authority may invite the second lowest bidder for negotiation. If the second lowest bidder is also withdraws or is not selected for any reason, then the next lowest bidder shall be invited for the negotiations and so on.

e) The EMD of the successful bidder will be returned by the authority (TSIIC) after signing the agreement and upon submission of Bank Guarantee for the equivalent amount towards the Performance Security.

7. Specifications:

- The Consultant should furnish Environmental Quality Monitoring Report for Electronic Hardware Park at Maheshwaram (V&M), Ranga Reddy (District) Telangana, as per the EC & EIA conditions.

- The Consultant should submit the Environmental Quality Monitoring report to Regional Office of MoEF as per the new circular dated 17th July 2015, (Establishment of Regional Office of MoEF at Chennai) as stipulated in the Environmental Clearance through Zonal Manager, Shamshabad under intimation to Chief Engineer’s Office.
8. Payment Conditions

1. Payments at each stage will be made by the Zonal Manager:
   
   (a) Payment will be arranged quarterly by Zonal Manager, Shamshabad on submission of invoice by the Consultant as per Work done report/certificate as enclosed.

   (b) Applicable Taxes will be deducted from the bills.

2. Any delay/short fall on the part of the consultant in completing the Environmental Quality Monitoring including submission of reports in all respects within the stipulated period will render him liable to pay liquidated damages. @ Rs. 20,000 per month which will be deducted in the bills.

9. Duties and responsibilities of the Consultant

   a) Submission of reports to MoEF Regional office as per EC conditions.
   b) The Consultant should be responsible for bringing any discrepancy occurred in the site while carrying the work and he should intimate to the Zonal Manager or his representative for clarifications.
   c) The Consultant ensure that the work is carried out in accordance with EIA notification & EC conditions.
   d) The consultant should inform the progress of work time to time to the Zonal Manager, Shamshabad.
   e) The Consultant shall Maintain necessary insurance against loss of materials/cash, etc. or workman disability compensation claims of the personnel deployed on the works as well as third party claims.
   f) The consultant should inform concerned Environmental Engineer, TSIIC prior to the monitoring.
SECTION B

Financial Bid-Cover ‘B’

i. FORMATS FOR SUBMISSION OF PROPOSALS (Financial BID)
ii. LETTER OF APPLICATION
iii. AGREEMENT
iv. ANNEXURE - I
FORMATS FOR SUBMISSION OF PROPOSALS
FINANCIAL BID
On the letter head of the bidder

Date: __________

To
The Chief Engineer
Telangana State Industrial Infrastructure Corporation Ltd
5th Floor, Parisramabhavan,
Bhasheerbagh, Hyderabad -04

Sir,

Sub: Consultancy Services for Environmental Quality Monitoring of Environmental Clearance to Electronic Hardware Park at Maheshwaram (V&M), Ranga Reddy (District) Telangana, – Financial Bid for a period of 2 years – Submitted.

Ref: Your Letter No. __________ dated ________.

* * * * *

1. I/We, the undersigned offer to provide the Consultancy Services for the above mentioned Assignment in accordance with the terms and conditions contained in the Bid Document supplied to us along with your letter cited.

2. Our all inclusive Bid Amount being the fee for the whole Assignment, excluding GST, isRs………………….(Rupees………………….)only).The quoted amount as above exclusive of applicable GST but inclusive of all other taxes, over head, incidentals, cost of site visits, travel expenses in attending the meetings, liaisoning with the office of competent authority, printing cost of documents, Reports etc complete.

3. Our bid is unconditional and valid for 90 (Ninty) days from the due date for submission of bid.

4. Our financial proposal shall be binding upon us subject to the modifications resulting from contract negotiations up to expiration of the validity period of proposal i.e, 90 (Ninty) days from the due date for submission of bid.
5. I/We undertake, if our proposal is accepted, to initiate the consultancy service related to the assignment on the next day of concluding agreement with the authority.

6. I/We also understand that you are not bound to accept any proposal you receive.

Yours faithfully,

Signature : ___________________
Full Name : ___________________
Designation : ___________________
Address : ___________________

(Authorized Representative)
LETTER OF APPLICATION
(On the Letter Head of the Bidder)

Date:

To
The Chief Engineer,
Telangana State Industrial Infrastructure Corporation Ltd
5th Floor, Parisramabhavan,
Bhasheerbagh, Hyderabad -04

Sir,

Sub: Consultancy Services for Environmental Quality Monitoring of Environmental clearance to Electronic Hardware Park at Maheshwaram (V&M), Ranga Reddy (District) Telangana, Bid Document submitted.

Ref: Your Letter of Invitation No._________________ dated____________

* * * *

1. In response to your letter cited and being duly authorized to represent and act on behalf of _________________ (hereinafter referred to as "the Bidder"), and having reviewed and fully understood all of the requirements and information provided, the undersigned hereby submit our Bid Document for the Assignment with the details as per the requirements of document for favor of consideration.

2. I/We are submitting the Cover 'A' and Cover 'B' enclosing the documents as mentioned in clause 2 & 3 of Section A in original.

3. We agree and undertake to abide by all the terms and conditions of Bid Document. Our Bid is consistent with all the requirements of submission as stated in the Bid Document. The information submitted in our Bid is complete and is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our Bid.

4. Our Bid is unconditional and is valid for 90 (Ninty) days from the due date for submission of bids.

Yours faithfully,
(Authorized Signatory)
(Name, Title and seal of Bidder)
AGREEMENT
(To be entered on Rs 100/- NJS Paper)

Name of work: Consultancy services for Environmental Quality Monitoring of Environmental Clearance to Electronic Hardware Park at Maheshwaram (V&M), Ranga Reddy (District) Telangana, - Reg

Agreement Bond No: Date: .0 .2017

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This agreement is made on this ----------- day of -----------between, Telangana State Industrial Infrastructure Corporation Ltd., (TSIIC) having registered office at 6th floor, Parishrama Bhavanam, Fateh Maidan Road, Basheerbagh, HYDERABAD - 500 004 represented by Chief Engineer, (hereinafter referred as “Authority” on which expression shall where the context so admits include his successors in office and assigns) of the one part.

AND

M/s. __________________________ , a constituted company having their registered office at __________________________ represented by its __________________________ (hereinafter referred as “Consultant” on which expression shall mean and include their heirs, executors, administrators, legal representatives and assigns) of the other part.

Whereas the Authority is desirous of Environmental Quality Monitoring for preparation of every six month compliance report in accordance with the terms & conditions of Environmental Clearance for the Proposed at Electronic Hardware Park at Maheshwaram (V&M), Ranga Reddy (District) Telangana, and decided to engage Environmental Consultant to assist the Authority in Environmental Quality Monitoring of Environmental Clearance (EC)terms & conditions.

Whereas the Authority has invited the Bids from Consultants for this purpose and accepted the bid of ---------- being the lowest among others stood at Rs ----------- (Rupees------only) all inclusive but excluding GST for the completion of assignment.

Whereas the consultant has provided Bank Guarantee for Rs._________ (Rupees _____ only) vide Bank Guarantee No. _____ dated from _____ towards performance Security in accordance with the conditions of bid document.
Now it is hereby agreed as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the bid document. The conditions for Bid Document shall be deemed to form and be read and constrained as part of this Agreement.

2. In consideration of the payment to be made by Authority to the consultant as hereinafter mentioned, the consultants hereby covenants with the Authority to execute and complete assignment in conformity with the provisions of the contract.

3. The Authority hereby convents to pay the consultancy fee to the consultant, in consideration of assignment, completed in terms and in the manner prescribed by the contract.

4. Time shall be considered as the essence of the Agreement and the consultant hereby agrees to commence the work as soon as this agreement is accepted by the Authority and to complete the assignment in 24 (Twenty Four) months from the day of signing the agreement and to show the progress as defined in the Bid Document

IN WITNESS WHEREOF the parties here to have caused their respective common seals to be hereinto affixed (or have here into set their respective hands and seals) the day and year first above written.

Signed, sealed and delivered

By the Said
Authorised Signatory
On Behalf of the Consultant

By the Said
On Behalf of the TSIIC Ltd

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Name & Designation

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Name & Address

In the presence of witness
(Name & Address)
1.

2.
FORMAT OF WORK DONE CERTIFICATE

Certified that the works upto -------------------------------- level in respect of Environmental Monitoring of -------------------------------- at -------------------------------- have been executed in accordance with the EIA report and terms and conditions of Environmental Clearance.

Signature

Name & Designation (Official address)

Place:

Date:

Office seal
# ANNEXURE-1

**Environmental Attributes as per EIA Notification & terms and conditions of Environmental Clearance**

<table>
<thead>
<tr>
<th>Environmental Attributes</th>
<th>Parameters to be monitored</th>
<th>No. of Samples</th>
<th>Frequency of Monitoring</th>
<th>Standards Methods for Sampling &amp; Analysis</th>
<th>Compliance</th>
<th>Total No. of samples</th>
<th>Cost of Each Sample</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Air Quality</strong></td>
<td>PM10, PM2.5, SO2, NOX, CO and if any as per regulatory norms.</td>
<td>Five (5) or as decided by the Chief Engineer.</td>
<td>1. Quarterly once (or) 2. In consultation with the TSPCB</td>
<td>Fine Particulate Samplers for PM10, PM2.5, Respirable Dust Sampler for SO2 and NOX, CO analyser /portable CO meter for CO and analysis as per CPCB suggested methods.</td>
<td>National Ambient Air Quality Standards released during November, 2009 and if any as per regulatory norms.</td>
<td>5 Samples X 8 quarters = 40 Samples</td>
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<tr>
<td><strong>Noise Levels</strong></td>
<td>Day and night noise levels</td>
<td>Four (4)</td>
<td>1. Quarterly once (or) 2. In consultation with the TSPCB</td>
<td>Portable handheld integrated noise level meter.</td>
<td>National Ambient Noise Standards, GSR 1063 (E), 1989</td>
<td>4 Samples X 8 quarters = 32 Samples</td>
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<tr>
<td>Water Quality (Ground water &amp; Surface water)</td>
<td>Physical, Chemical and Biological</td>
<td>Two (2) Ground water and One (1) Nos. Surface water.</td>
<td>1. Quarterly once (or) 2. In consultation with the TSPCB</td>
<td>Grab sampling and analysis by using standard methods.</td>
<td>IS10500, 1991 drinking water standards for Groundwater and Designated Best Use (Outdoor bathing – Organised) Classification of Inland Surface Water of National Rivers Conservation Directorate, MoEF for Surface Water, if it is not using for drinking purpose</td>
<td>3 samples x 8 quarters = 24 samples</td>
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<tr>
<td>Soil Analysis</td>
<td>Texture, Particle size distribution, pH, sand, clay, silt, Permeability, water holding capacity, Temperature, EC, SAR, Exchangeable sodium, Exchangeable potassium, Total Nitrogen, Total Phosphorous, Total Potassium, Cu, Fe, Mn and Zn</td>
<td>One(1) Nos.</td>
<td>1. Yearly once (or) 2. In consultation with the TSPCB</td>
<td>Collection and analysis of samples as per IS 2720</td>
<td>Baseline data</td>
<td>1 samples x 2 annuals = 2 samples</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Submission of half yearly compliance reports to Regional Office at Chennai &amp; TSPCB</td>
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<tr>
<td>Submission of Form – V, Yearly to TSPCB</td>
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<td>TOTAL</td>
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</tbody>
</table>

Note: The above all parameters quoted rates are including Documentation, Reporting to MoEF as per Environmental Clearance and all the taxes excluding GST.

Sd/-
Vice Chairman & Managing Director
This has reference to your application submitted vide Ir. dt. 24.07.2008 & subsequent lrs. dt. 28.01.2011, 15.07.2011, 13.09.2013, 13.02.2014, 09.12.2016 (proposal no. SIA/TG/NCP/17659/2014, uploaded on 28.10.2016), 15.07.2017 & 01.08.2017 in this regard, seeking Environmental Clearance for the proposed “Electronic Hardware Park” by M/s. TSIIC Ltd., Sy.No. 303, 304, 305 & 306 of Maheswaram (V&M), Rangedreddy District. It was noted that the nearest human habitation viz., Maheswaram (V) exist at a distance of 1.0 km from the proposed site. It was also noted that Kothwal Cheruvu exists within the proposed site. The capital cost of the project is Rs. 116.27 Crores.

II. It is noted that the Electronic Hardware Park is proposed for Electronic manufacturing & assembling units. It was informed that it is proposed to focus on industries involved in the fields of Electronics manufacturing including mobile manufacturing units, LED components, consumables and accessories, consumer electronics, strategic electronic goods etc., It was reported that the total land area taken from the Revenue Dept., is Ac. 373.25. Net Layout area is Ac. 339.75 after deducting Area covering Kothwal Cheruvu. Out of Ac. 339.75, area earmarked for Electronic Manufacturing Zone (EMC) is Ac. 277.20 and area earmarked for General Park is Ac. 62.55. The area details of the proposed Electronic Hardware Park as informed by the proponent is as following:

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Details of land use</th>
<th>Area in Sq.m.</th>
<th>Area in percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Plotted Area</td>
<td>197.19</td>
<td>58.04%</td>
</tr>
<tr>
<td>2</td>
<td>Road Area</td>
<td>63.92</td>
<td>18.81%</td>
</tr>
<tr>
<td>3</td>
<td>Green &amp; Open Area</td>
<td>33.98</td>
<td>10.00%</td>
</tr>
<tr>
<td>4</td>
<td>Common facilities</td>
<td>30.9</td>
<td>9.09%</td>
</tr>
<tr>
<td>5</td>
<td>Utilities</td>
<td>13.76</td>
<td>4.05%</td>
</tr>
<tr>
<td>6</td>
<td>Total Site Area</td>
<td>339.75</td>
<td>100.00%</td>
</tr>
<tr>
<td>7</td>
<td>Tank Area</td>
<td>33.5</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Total Area</td>
<td>373.25</td>
<td></td>
</tr>
</tbody>
</table>

III. It is proposed to develop 123 no. of plots in the Industrial Park. The Electronic Hardware Park is targeted to develop with a specific focus on telecommunications and mobile industry to meet domestic needs and cater to international market. The proposed manufacturing/assembling line of activities both in the Electronic Manufacturing Cluster (EMC) and in the General Park are Manufacturing and/or assembling of Printed Circuit Boards (PCBs), Electronic Transformers, Wirewond Resistors, Testing & Measuring Equipments, mobile chargers/power supplies, LED display, Hand held terminals & lighting, cable and connectors, Electronic SMPS Transformers, Telecom Products, communication products & energy meters and Solar Products etc., They also include SMD Capacitors, Resistors, Sockets, external casing, Key pads – membrane, Sim slot connectors, Ribbon Cables (Flexi PCBs).

IV. The proposal has been examined and processed in accordance with EIA Notification, 2006 and its amendments thereof. The State Level Expert Appraisal Committees (SEAC) of Andhra Pradesh (Combined State) & Telangana State examined the application in its meetings held on 22.08.2008, 02.09.2011, 28.09.2013, 18.10.2013, 22.05.2015, 18.08.2015, 30.12.2016,
18.03.2017 & 01.08.2017. The public hearing was held on 26.08.2016, 11:00 AM at project site. The Sub-Committee constituted by the SEAC inspected the site on 02.02.2017 and submitted the report. Based on the information furnished, presentation made by the proponent and the consultant M/s. ETPRI, Hyderabad; Minutes of the public hearing; Report of the Sub-Committee; Undertaking dt. 22.05.2015 that only Electronic Hardware Manufacturing & Assembling units & General Industries are proposed in the Industrial Park and no allotment will be made to Category A projects in the proposed Industrial Park, the Committee considered the project proposal and recommended for issue of Environmental Clearance. The State Level Environment Impact Assessment Authority (SEIAA) in its meetings held on 30.08.2017, 08.09.2017 & 16.10.2017 examined the proposal and recommendations of SEAC for issue of Environmental Clearance. Accordingly, after discussions in the matter, the SEIAA, Telangana hereby accords Environmental Clearance to the project as mentioned at Para no. 1 under the provisions of the EIA Notification 2006 and its subsequent amendments issued under Environment (Protection) Act, 1986 subject to implementation of the following specific and general conditions:

A. Specific Conditions:

i. Air pollution:

   i The emissions from the Boilers shall be routed through appropriate Air Pollution Control equipment followed by stacks of adequate height. The concentration of particulates in the emission shall not exceed 100 mg/Nm³. Sampling Port with removable dummy of not less than 15cm diameter in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc, shall be provided to monitor stack emissions. Stacks of adequate height shall be provided for D.G. Sets, as per CPCB norms.

   ii The proponent shall develop and maintain the greenbelt in an area of atleast 33% of the Total Area of the Industrial Park, with at least 10 meter wide green belt along the along the periphery of the project area, in the buffer area of 10m wide around the Kothwal Cheruvu, and in the vacant places in downward direction and along road sides etc., Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.

   iii Ambient air quality including ambient noise levels must not exceed the standards stipulated under Notification dt. 16.11.2009 issued by the MoEF&CC, GoI. Monitoring of ambient air quality and stack emissions shall be carried out regularly in consultation with TSPCB.

b) Water Pollution:

i The source of fresh water is HMWS&SB. Total quantity of water required during occupational stage is about 6 MLD for Process, Cooling towers, Fire fighting, Domestic utilities, Development of Greenbelt & others. The details of water requirement is as following:

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity (MLD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic (Industrial Units)</td>
<td>0.846</td>
</tr>
<tr>
<td>Domestic (Hostel)</td>
<td>0.844</td>
</tr>
<tr>
<td>Process</td>
<td>2.08</td>
</tr>
<tr>
<td>Cooling towers</td>
<td>0.86</td>
</tr>
<tr>
<td>Fire Fighting</td>
<td>0.286</td>
</tr>
<tr>
<td>Sub-Total (A)</td>
<td>4.916</td>
</tr>
<tr>
<td>Distribution losses 15%</td>
<td>0.7374</td>
</tr>
<tr>
<td>Sub-Total (B)</td>
<td>5.6534</td>
</tr>
<tr>
<td>Miscellaneous 5%</td>
<td>0.28267</td>
</tr>
<tr>
<td>Total (A+B)</td>
<td>5.93607</td>
</tr>
</tbody>
</table>

   ii The proponent shall provide, operate & maintain the CETP facility and STP facility within the Industrial Park for treating the effluents generated from the Industries and waste water generated from the domestic section respectively.
iii Zero Liquid Discharge (ZLD) concept shall be adopted in the proposed project for treatment & reuse of effluent. The proponent shall take adequate measures such that no waste water shall be discharged outside the proposed project area, under any circumstances.

iv The proponent shall not discharge any waste water/solid waste into Kothwal Cheruvu, under any circumstances. The proponent shall not obstruct the existing natural drainage pattern flowing into Kothwal Cheruvu, under any circumstances. The proponent shall not undertake any developmental activities in the buffer area i.e., 10m around the Kotwal Cheruvu existing in the proposed site under any circumstances and shall take all precautionary measures for protecting the Kotwal Cheruvu.

v The proponent shall take adequate measures to maintain the quality of Kotwal cheruvu. The proponent shall carryout regular monitoring of the water quality of the tank and submit reports to the TSPCB.

vi The proponent shall explicitly follow the following commitments made in the SEAC meeting on measures w.r.t. Kothwal Cheruvu located within the proposed project:

- The area the existing Nallahs / streams will not be disturbed and will maintain distance between the plots to be provided for proper drainage facilities.
- Cross drainage works will be planned to avoid obstructions of the natural drainage.
- Existing water body will be strengthened by constructing protective bund and it will be properly maintained.
- Periodical monitoring will be done to know the water quality of the existing water body, compare the results with Baseline data and take measures to maintain the quality of the lake.
- Plots will be designed in such a way that the natural flows will not obstruct the Upstream and Downstream sides.
- Greenbelt of width 10m will be developed & maintained all around the periphery of the water body.

vi The proponent shall provide separate storm water drains. The proponent shall provide Rain water harvesting structures for Roof run-off and Surface run-off. The surface run-off shall be pre-treated to remove suspended matter, oil & grease, if any, before recharging.

vi There shall be no recharge of Ground water by the Industrial Effluent.

c) Solid Waste :

i. The Municipal Solid Waste (11.46 TPD) shall be disposed to Municipal Solid Waste disposal site; E-waste (1.845 TPD) shall be disposed to the recyclers authorized by the TSPCB.

ii. Hazardous waste generated shall be disposed as per the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016. E-waste shall be disposed as per E-Waste (Management & Handling) Rules, 2016 and Used Batteries shall be disposed as per Batteries (Management & Handling) Rules, 2010.

B. General Conditions:

i. This order is valid for a period of 7 years.

ii. "Consent for Establishment" shall be obtained from Telangana State Pollution Control Board (TSPCB) under Air and Water Act. Further, the individual industries proposed in the Electronic Hardware Park shall also obtain Consents from the TSPCB under Air and Water Acts before the start of any activity / construction work at site.

iii. Provision shall be made for the housing of the construction labour within the site with all necessary infrastructure and facilities such as safe drinking water, fuel for cooking, mobile toilets, mobile STP, medical health care, creche etc., The housing may be in the form of temporary structures to be removed after the completion of the project. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
iv. No change in the process technology and scope of working should be made without prior approval of the SEIAA, TS. No further expansion or modifications in the project shall be carried out without prior approval of the SEIAA, TS/ MoEF&CC, GoI, New Delhi, as applicable.

v. The proponent shall adopt Energy Conservation Measures like providing LED lights in the Streets and common areas of Electronic Hardware Park, Solar Power, etc.,

vi. The proponent shall submit half-yearly compliance reports in respect of the terms and conditions stipulated in this order in hard and soft copies to the SEIAA; and CCF, Regional office of MoEF&CC, GoI, Chennai on 1st June and 1st December of each calendar year.

vii. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM, SPM, PM_{10}, PM_{2.5}, SO_{2}, NOx monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.

viii. Data on ambient air quality (RSPM, SPM, PM_{10}, PM_{2.5}, SO_{2}, NOx) should be regularly submitted to the Ministry including its Regional Office located at Chennai and the State Pollution Control Board/ Central Pollution Control Board once in six months.

ix. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.

x. The proponent shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.

xi. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.

xii. The funds earmarked for environmental protection measures (capital cost of Rs. 5.8 Crores and recurring cost of Rs. 5.0 Lakhs per annum) & also the funds earmarked for Corporate Social Responsibility (CSR) activities should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the SEIAA, Ministry and its Regional Office located at Chennai.

xiii. Officials from the Regional Office of MoEF&CC, GoI, Chennai who would be monitoring the compliance of the stipulated conditions and implementation of environmental safeguards should be given full co-operation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents shall be submitted to the CCF, Regional Office to MoEF&CC, GoI, Chennai.

xiv. The project proponent shall submit the copies of the environmental clearance 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.

xv. The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and SEIAA, Telangana. This order shall be displayed in the website of the project proponent.

xvi. The proponent shall explicitly follow the suggestions and commitments made in the public hearing in protection of the environment.

xvii Any appeal against this Environmental Clearance 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.
The company shall undertake eco-development measures including community welfare measures in the project area.

The proponent shall obtain all other mandatory clearances from respective departments.

Concealing the factual data or failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

The SEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

To
The Executive Director,
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//T.C.F.B.O//

Senior Environmental Engineer (FAC)
(UNIT – III)