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**TELANGANA STATE POLLUTION CONTROL BOARD**  
**ZONAL OFFICE: HYDERABAD**

H.No.6-3-1219, Sy.No.TS No.1 Part, Block - C, Ward No.91, Near Country Club,  
Uma Nagar, Begumpet, Hyderabad. Phone: 040-23402495  
Email: jcee-zhyd-tspcb@telangana.gov.in.

**Order No. 15-RR-II/TSPCB/ZO-HYD/TF/2020- 834**

**Date: 20.01.2020**

**DESPATCHED**  
**ON 20/01/2020**

**Sub:** TSPCB – ZO - Hyderabad – M/s. Jai Raj Ispat Ltd., (Furnace Division), Plot No. 8, Phase - III, IDA, Jeedimetla, Medchal-Malkajgiri District – Water (Prevention and Control of Pollution) Amendment Act, 1988 - Air (Prevention and control of Pollution) Amendment Act, 1987 – **DIRECTIONS – ISSUED** - Reg.

**Ref:**

1. Consent Order No.81-RR-II/TSPCB/ZOH/TS-iPASS/CFO/2018-192, dated 17.07.2018 which is valid upto 31.07.2028.
2. Fire accident occurred in the industry on 12.01.2020 at around 10:30 PM
3. Inspection of the industry and surrounding by Board officials on 13.01.2020.
4. TSPCB, RO, Medchal-Malkajgiri District report dt. 13.01.2020.
5. TSPCB, RO, Medchal-Malkajgiri District report dt. 17.01.2020 received by Zonal Office, Hyderabad on 17.01.2020.
6. Task Force Committee meeting held on 20.01.2020 at TSPCB, Zonal Office, Hyderabad.

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1. **WHEREAS**, you are operating the industry in the name of M/s. Jai Raj Ispat Ltd., (Furnace Division), Plot No. 8, Phase - III, IDA, Jeedimetla, Medchal-Malkajgiri District is engaged in M.S billets - 220 TPD.
2. **WHEREAS**, vide reference 1<sup>st</sup> cited, the industry has obtained CFO vide order dated 17.07.2018 with a validity period upto 31.07.2028 (The industry shall pay the consent fees annually from the financial year 2020-2021, till the validity of the consent order).
3. **WHEREAS**, vide reference 5<sup>th</sup> cited, the EE, Regional Office, Medchal-Malkajgiri District has inspected your industry on 13.01.2020 and has forwarded a detailed report with the following observations to Zonal Office Hyderabad for further necessary action.
  - i. A fire accident has occurred in the industry on 12.01.2020 at around 10:30 PM.
  - ii. The industry and surrounding area were inspected on 13.01.2020.
  - iii. During the inspection the representative of the industry has informed that around 10:30 PM on 12.01.2020 during plant operations, a coolant water pipe got punctured and the water splashed on the molten iron causing pressure build-up which led to the blast in the Electrical arc furnace of the industry. The Furnace was badly damaged due to blast. 6 persons working around the furnace got injured. They were shifted to Medivision Hospital, Quthubullapur. Two persons who were in critical condition later succumbed to the injuries.
4. **WHEREAS**, the issue was placed in the Task Force Committee meeting held on 20.01.2020 at TSPCB, Zonal Office, Hyderabad. The representative of the industry attended the meeting and stated that fire accident has occurred in the industry as coolant water pipe got punctured and the water splashed on the molten iron causing pressure build-up which led to the blast in the Electrical arc furnace of the industry on 12.01.2020. The committee after detailed discussions recommended to issue directions to the industry. As per the recommendations of the committee, the Board hereby issues the following directions to the industry to comply within one week:

1. The industry shall submit the risk assessment & disaster management plan to Regional Office, Medchal-Malkajgiri District within one week.
2. The industry shall carryout regular checks and proper upkeep of furnace refractory and cooling panels in order to avoid such incidents.
3. The industry shall organize safety awareness workshop for the plant personnel on regular basis. Workers shall wear and use appropriate safety devices like boots, gloves, helmets, aprons, goggles and safety belts.
4. The industry shall strictly adhere to the following conditions stipulated in the CFO & HWA order issued to the industry.
  - i. The industry shall comply with the conditions stipulated by the Board, vide permanent revocation order, date: 18.06.2018.
  - ii. The industry shall provide additional capacity ID fan, motor and bag filter module at Furnace division to increase the efficiency of present fume extraction system.
  - iii. The industry shall lower the height of the Secondary Dust Extraction system so as to ensure maximum suction of emissions from the furnace.
  - iv. The industry shall suck the fumes using individual hood followed by duct connected to centralized dust collection system and pulse jet bag filters for control of dust emissions from the furnace.
  - v. The industry shall provide interlocking system between Air Pollution Control Equipment (APCE) and the fuel feeding system, so that the electricity supply to the furnaces would stop automatically in case of APCE fails.
  - vi. The industry shall maintain separate register for recording the energy consumption for the operation of the APCE and shall submit the monthly reading to the EE, Regional Office, Medchal-Malkajgiri District.
  - vii. The industry shall not discharge any waste water to outside the factory premises.
  - viii. The industry shall crush the slag generated in crushing machines for recovery of the metals and the inert material shall be used for land filling within the industry premises / for road construction as base material.
  - ix. The industry shall not cause any air pollution / dust nuisance to the surrounding environment.
  - x. The industry shall not dispose any solid waste outside the factory premises.
  - xi. The industry shall maintain good house keeping.
5. The industry shall immediately submit Bank Guarantee of **Rs 4.0 Lakh (Rupees Four Lakh only)** at the Regional Office, Medchal-Malkajgiri District within one week with a validity period of 12 months towards the compliance of above directions issued by the Board and further extend from time to time till further orders from the Board.
6. **In view of the above, the industry is hereby directed to comply with the above directions within one week.** These directions are issued under Section 33(A) of the Water (Prevention and Control of Pollution) Amendment Act, 1988 and under Section 31 (A) of Air (Prevention and Control of Pollution) Amendment Act, 1987.
7. It is also to note that, if it is continued to operate the unit violating any of the conditions mentioned above, the unit will be closed under Section 33(A) of the Water (Prevention and

Control of Pollution) Amendment Act, 1988, Section 31(A) of the Air (Prevention and Control of Pollution) Amendment Act, 1987 and you will also be liable for prosecution in the court of Metropolitan Magistrate or Judicial Magistrate of the first class under Section 41(2) of the Water (Prevention and Control of Pollution) amendment Act, 1988, the punishment for which includes imprisonment for a term which shall not be less than one year six months and which may be extended to six years with fine.

  
**JOINT CHIEF ENVIRONMENTAL ENGINEER (FAC)**

**To**  
**M/s. Jai Raj Ispat Ltd., (Furnace Division),**  
**Plot No. 8, Phase - III,**  
**IDA, Jeedimetla,**  
**Medchal-Malkajgiri District.**

Copy to the Environmental Engineer, TSPCB, Regional Office, Medchal-Malkajgiri District for information and necessary action.

