

¹No. 1-6 (L-II)/64— 19th August. 1964.—With reference to the Government of West Pakistan Notification No. 1-25 (L-II)/63, dated the 10th August, 1963, appearing in the extraordinary issue of the Gazette of West Pakistan of 12th September 1963, the Governor of West Pakistan, in exercise of the powers conferred under sub-section (4) of section 33 of the Factories Act, 1934 (XXV of 1934) and in supersession of—

- (1) The Hazardous Occupations (Lead) Rules, 1937;
 - (2) The Hazardous Occupations (Miscellaneous) Rules, 1937;
 - (3) The Hazardous Occupations (Aerated Waters) Rules, 1937;
 - (4) The Hazardous Occupations (Chromium) Rules, 1937;
 - (5) The Hazardous Occupations (Cellulose Spraying) Rules, 1937; and
 - (6) The Hazardous Occupations (Sand Blasting) Rules, 1937;
- in their application to the Province of West Pakistan, is pleased to frame the following rules.

**²(1) THE WEST PAKISTAN HAZARDOUS OCCUPATIONS (LEAD)
RULES, 1963**

1. Short title and application.—(1) These rules may be called the West Pakistan Hazardous Occupations (Lead) Rules, 1963.

(2) They shall apply to all factories in which any operation specified in the Schedule is carried on.

2. Definitions.—In these rules unless the context otherwise requires, the following expressions shall have the meanings hereby respectively assigned to them, that is to say—

- (a) "Act" means the Factories Act, 1934 (XXV of 1934);
- (b) "certifying surgeon" means a registered medical practitioner appointed as a certifying surgeon under, section 12 of the Act;
- (c) "Chief Inspector" means the Chief Inspector of Factories;

¹ Gaz of West Pak. Extra 4 Sept. 1964,p.2835.

² See also Rules: (1) West Pakistan Hazardous Occupations (Miscellaneous) Rules, 1963.
 (2) West Pakistan Hazardous Occupations (Aerated Waters) Rules, 1963.
 (3) Hazardous Occupations (Rubber) Rules, 1963.
 (4) West Pakistan Hazardous Occupations (Chromium) Rules, 1963.
 (5) West Pakistan Hazardous Occupations (Cellulose Solution Spraying) Rules, 1963.
 (6) West Pakistan Hazardous (Sand Blasting) Rules, 1963.
 (7) West Pakistan Hazardous Occupations (Sodium and Potassium Bichromates) Rules, 1963.
 (8) West Pakistan Hazardous Occupations (Petrol Gas Generating Plant) Rules, 1963.

- (d) "fitness certificate" means a certificate granted by a certifying surgeon under rule 6;
- (e) "lead compound" means any carbonate, sulphate, nitrate, oxide, chromate, silicate or acetate of lead or any organic, ethyl and methyl lead compound or any lead material used in the manufacture of such compounds and containing five parts or more of lead but excluding metallic lead ores which contain lead only in the form of sulphide; and
- (f) "Schedule" means the Schedule to these rules.

3. Declaration of operations as Hazardous.— The operations specified in the Schedule are declared to be Hazardous when carried on in any factory.

4. Sampling.—When an Inspector of Factories suspects that any substance used or intended for use in any factory contains a lead compound he may at any time take for analysis sufficient samples of that substance:

Provided that the manager of the factory may at the time when a sample is taken and on providing the necessary appliances, require the Inspector to divide the sample into two parts and to make and seal and deliver to him one such part.

5. Prohibition of Employment of Women, Adolescents and children.—No woman, adolescent or child shall be employed in any factory in any of the operations specified in the Schedule.

6. Medical Certification and Examination.—(1) No persons shall be employed in any factory for more than fifteen days in the year in any of the operations specified in the Schedule unless a certificate of fitness in the form appended to these rules granted to him by a certifying surgeon, is in the custody of the manager of the factory.

(2) The Chief Inspector may require that any person granted a certificate under sub-rule (1) shall carry with him while at work, a token giving reference to such certificate.

(3) Every person employed on any of the process mentioned in the Schedule shall be re-examined by a certifying surgeon once a month or at such shorter or longer intervals as may be specified in writing by the Chief Inspector of Factories according to the degree of risk of lead poisoning involved in any process. This examination shall include examination for typical fascialp allor, blood haemoglobin concentration, punctate basophylia and, where necessary laboratory facilities are available, blood and urinary cuproporphyrines in addition to leading for other signs and symptoms of lead poisoning.

(4) If at any time the certifying surgeon is of opinion that any person is no longer fit for employment in any of the operations specified in the Schedule, he shall cancel the certificate of fitness of that person.

(5) No person whose certificate of fitness has been cancelled shall be employed in any of the operations specified in the Schedule unless the certifying surgeon again certified him to be fit.

³[(6) The fees for examination under this rule, as may be fixed by the Chief Inspector, shall be borne by the employer.]

7. Exhaust Draughts.— (1) The following processes shall not be carried on in any factory except with an efficient exhaust draught:—

- (a) melting old or dirty scrap lead;
- (b) heating lead material so that vapour containing lead is given off;
- (c) cooling molten flaked litherge;
- (d) feeding any furnace or retort; and
- (e) manipulating lead material in any furnace.

(2) No draught shall be deemed efficient which fails to remove smoken dust or gas given off at the point where such gas, vapour, fume or dust originate.

8. Floor and Work-benches.—(1) The floor of every room in which. any person is employed on any of the operations specified in the Schedule, shall be of smooth cement or other smooth impervious material.

(2) The top of every work-bench in every such room shall be of smooth impervious material.

(3) The said floor and work-benches shall be kept clean and in good condition.

(4) The Chief Inspector may by order in writing, require such floors and work-benches to be kept wet in such manner as he may deem suitable in order to reduce dust.

9. Washing Facilities.—(1) The occupier of a factory to which these rules apply shall provide and maintain in a cleanly state and in good repair, for the use of all persons employed in lead process—

- (a) a lavatory under cover with an adequate supply of clean towels which shall be renewed daily, soap and nail brushes ; and
- (b) sufficient and suitable bath accommodation.

³ Sub-Rule (6) added, Gaz. of West Pak, Extr. 7 Nov. 1966, p.3033.

(2) At least one lavatory basin fitted with a waste pipe and plug and having a constant supply of hot water, shall be provided for every five persons employed in a lead process.

10. Protective clothing.—The occupier shall provide and maintain sufficient and suitable overalls, gloves and head coverings and clean respirators and shall cause them to be worn properly by every person employed on any of the operations specified in the Schedule. At the end of everyday's work they shall be collected and kept in proper custody in a suitable place set apart for the purpose. They shall be thoroughly washed every week and those which have been used in the stove shall be washed daily.

11. Special Provisions relating to white lead, etc.— (1) Where white lead is made by the stock process, every stock shall be provided with a stand pipe and moveable hose and adequate supply of water, distributed by a hose. Every white lead bed, shall, on the removal of covering boards be adequately damped by the means provided.

(2) Where white lead is made by the chamber process, the chamber shall be kept damp while the process is in operations and the corrosion shall be adequately damped before the chamber is emptied.

(3) A corrosion shall not be carried except in trays of impervious material and no person shall be allowed to carry, on his head or shoulder, a tray of corrosion which has been allowed to rest directly upon the corrosion or upon any surface where there is dry lead compound.

(4) The floor round roller and open vats and of any place where dry lead compound is packed or manipulated, shall be of smooth cement or other smooth impervious material and shall be kept constantly damp.

12. Duties of Employees.— (1) Every person employed in any lead process mentioned in the Schedule, shall present himself for examination by the certifying surgeon at the fixed time.

(2) No person, whose certificate of fitness has been suspended shall work in any lead process or in any fume process unless the certifying surgeon again certifies him fit to do so.

(3) Every person employed in any lead process, shall deposit, in the place provided for the purpose, all clothing put off during working hours.

(4) Every person employed in any lead process shall, before partaking of food or leaving the premises where the lead process is carried on, wash his face and hands.

(5) No person shall introduce, keep, prepare or partake of any food or drink or make use of tobacco in any place in which any lead process is carried on.

SCHEDULE

- (i) Work at furnace where reduction or treatment of zinc or lead ores is carried on:
 - (ii) the manipulation treatment, or reduction of ashes containing lead, the desilvering of lead or the refining of dross containing lead;
 - (iii) the manufacture of alloys containing more than ten per cent of lead;
 - (iv) the manufacture of any oxide, carbonate, sulphate, chromate, acetate, nitrate, or silicate of lead;
 - (v) handling or mixing of lead tetra ethyl:
 - (vi) mixing or pasting in connection with the manufacture or repair of electric accumulators:
 - (vii) the manufacture, assembly and repair of lead storage batteries;
 - (viii) the cleaning of work-rooms where any of the processes aforesaid are carried on;
- and
- (ix) every other manufacturing operation involving the use of any lead compound or the cleaning of work-rooms where any such operation is carried on.

FORM

Certificate of Fitness

In respect of persons employed in operations involving the use of lead compounds

(See rule 6)

Serial No,

Date

I hereby certify that I have personally examined (name)
son of

(caste, etc.)

residing at

who is desirous of being employed

as

in the

Factory ; that his age as nearly as can be ascertained from my examination is..... years and that he/she is in my opinion fit for employment at descriptive marks are--

Left thumb-impression of person examined.

I certify that I re-examined the person mentioned above, on	I extend this certificate until	Signature of Certifying Surgeon	Note of Symptoms of lead poisoning (if any)
---	---------------------------------	---------------------------------	---
