

Details of Medical Examination of workers employed in Dangerous Manufacturing Processes or Operations

The following specific medical examinations shall be conducted apart from General physical examination and CBC (Complete Blood Count) in the specific factories carrying out the Dangerous Manufacturing Processes or Operations defined in column (4) of the table below.

Sl. No.	Schedule under Rule 129 of KFR 1969	Duration of Periodical Medical examination	Manufacturing process	Medical examination required to be conducted
1	2	3	4	5
1	II	Pre-employment medical examination and re-examination once in every 6 calendar months	Electrolytic processes	1. X-ray of the chest and
			Chromium plating	2. Nasal septum Perforation & test for Chromium in urine
			Nickel plating	3. Test for Nickel in Urine
			Cadmium plating chrome	4. Test for cadmium in urine & micro globulin in urine
2	III	Pre-employment medical examination and re-examination once in every 3 calendar months	Manufacture & repair of electric accumulators	1. Lead in urine & blood
				2. ALA in Urine
				3. Hemoglobin content
				4. Stippling of cells and steadiness tests
3	IV	Pre-employment medical examination and re-examination Once in every 12 calendar months	Glass Manufacture	1. Pulmonary Function Tests
				2. Chest X-Ray as well as tests for lead in urine in suspected cases
4	V	Pre-employment medical examination and re-examination Once in every 12 months	Grinding & Glazing of Metals & processes incidental thereto	1. Pulmonary Function Test
				2. Chest X-Rays in suspected cases
5	VI	Pre-employment medical examination and re-examination Once in every 3 calendar months	Manufacture & Treatment of lead and certain compounds of lead	1. Lead in urine & blood
				2. ALA in Urine
				3. Hemoglobin content
				4. Stippling of cells and steadiness test
6	VIII	Pre-employment medical examination and re-examination once in every 12 calendar months	Cleaning or smoothing roughening etc., of articles by a jet of sand metal shot or grit or other available abrasive propelled by blast or compressed air or steam	1. Pulmonary Function Test
				2. Chest X-Rays once in every three years
7	IX	Pre-employment medical examination and re-examination once in every 12 calendar months	Liming and tanning of raw hides & skins and processes incidental there to	Skin test for dermatoses & Detection of anthrax bacillus from local lesion by gram stain
8	X	Pre-employment medical examination and re-examination once in every 6 calendar months	Certain lead processes in printing presses and type foundries & certain lead processes carried therein	1. Lead in urine & blood
				2. ALA in Urine
				3. Hemoglobin content
				4. Stippling of cells and steadiness test

9	XI	Pre-employment medical examination and re-examination Once in every 3 calendar months	Manufacture of Pottery	1. Lead in urine & blood
				2. ALA in Urine
				3. Hemoglobin
				4. Stippling of cells
				5. Pulmonary function tests
				6. Chest x-ray once in every three years
10	XII	Pre-employment medical examination and re-examination once in every 6 calendar months	Chemicals worker	1. Detailed clinical examination to ascertain physical suitability of the person
				2. Examination to ascertain health status of the workers
11	XIII	Pre-employment medical examination and re-examination once in every 12 months	Manipulation of stone or any other materials containing free silica	1. Pulmonary Function Test
				2. Chest X-Ray once in every three years
12	XIV	Pre-employment medical examination and re-examination once in every 12 months	Handling & processing of Asbestos manufacture of any article of Asbestos and any other process of manufacture or otherwise in which asbestos is used in any form	1. Pulmonary Function Test
				2. Tests for detecting asbestos fibres in sputum
				3. Chest X-Ray once in three years
13	XVIII	Pre-employment medical examination and re-examination Once in every 3 calendar months	Manufacture or manipulation of manganese & its compounds	1. Tests for detection of serum calcium
				2. Tests for detection of serum phosphate
				3. Tests for manganese in blood & urine
				4. Steadiness tests & other neuro muscular co-ordination tests
14	XIX	Pre-employment medical examination and re-examination once in every 6 calendar months	Manufacture or manipulation of Dangerous pesticides	1. Test for determination of chemical in blood and in fat tissues
				2. EEG abnormalities and memory tests
				3. Test for depression of cholinesterase in plasma and red blood cells in organo phosphorous compounds
15	XX	Pre-employment medical examination and re-examination once in every 12 months	Manufacture. Handling and usage of benzene and substances containing benzene	1. Detection of Phenol in urine
				2. Determination of urinary sulphide ratio
				3. CNS and haematological tests
16	XXII	Pre-employment medical examination and re-examination once in every 6 calendar months	Manufacture or manipulation Of carcinogenic dye intermediates	1. Detection of methemoglobin in blood (Haematological tests)
				2. Test for paracetamol in urine
				3. Pulmonary function test & CNS tests
17	XXIII	Pre-employment medical examination and re-examination once in every 12 months	Operations involving high noise levels	1. Auditory examination which shall include determination of auditory thresholds for pure tones of 125, 250, 500, 1000, 2000, 4000 & 8000 cycles for second

18	XXIV	Pre-employment medical examination and re-examination once in every 12 months	Manufacture of rayon by viscose process	1. Tests for estimation of exposure coefficient (Iodine azide test on urine) and
				2. Test for serum cholesterol
				3. ECG (Electrocardiogram)
				4. CNS Tests
19	XXVI	Pre-employment medical examination and re-examination once in every 12 months	Operations in foundries	1. Pulmonary function test
				2. Chest x-ray once in three years

By Order and In the Name of the
Governor of Karnataka,

Venkatarama J.T.
02/01/2025

(Venkatarama J.T)

Under Secretary to Government,
Labour Department,
(Factories & Boilers).

To,

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2. The Director, Department of Factories, Boilers, Industrial Safety and Health, Karmika Bhavana, Bannerugatta Road, Bengaluru.

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