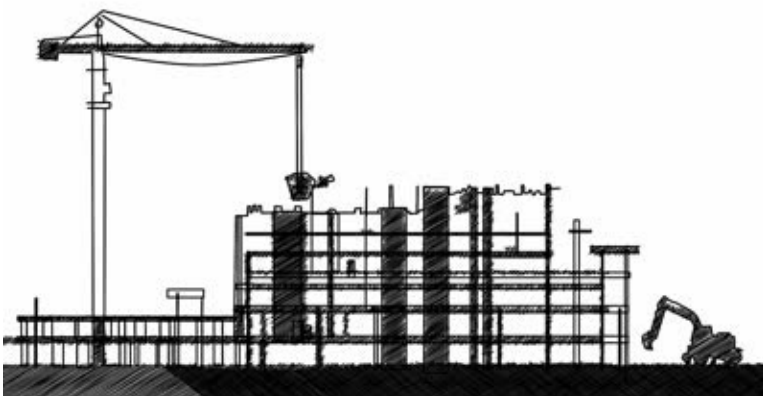




HSE PROCEDURE

FOR

**REGISTER OF
REGULATIONS**

**HSE PROCEDURE
FOR
REGISTER OF REGULATIONS
(HSEP: 03)**



DOC NO. : HSEP: 03	REVISION NO. : 01	DATE : 10-01-2018
ORIGINAL ISSUE DATE : 10-01-2018	DATE OF ISSUE OF THIS COPY :	
COPY NO. :	ISSUED BY :R K OJHA	
ISSUED TO :	SIGN : NAME : DESGN. / DEPT. :HSE	

BHARAT HEAVY ELECTRICALS LIMITED

INDUSTRIAL SYSTEM GROUP



**HSE PROCEDURE
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Doc. No. : HSEP: 03
Issue No.: 00
Rev. No. : 00
Date : 10.01.2018
Page : **1 of 11**

1.0 OBJECTIVE

To lay down a system to identify, provide for communication to interested parties and have access to all relevant legal and other HSE legislation and to keep them up to date.

2.0 SCOPE

Applicable to all activities, products and services of BHEL, Industrial systems group

3.0 PROCEDURE DESCRIPTION

The task force along with trained HSE auditors/experts shall carry out survey, consultation on HSE regulations with statutory bodies related to all activities, product handling and services of Industrial systems group

Task force shall prepare a list of all applicable legislations after studying the relevant Documents/ websites as listed below:

- o Guidelines issued by MOEF (Ministry of Environment & Forest)
- o Pollution Control Act, Rules & Notifications – CPCB
- o Environmental Legislation Update News Letters.
- o Any other communication from regulatory body especially of SPCB
- o Directorate of Factories / Industries and other.
- o Corporate requirement on HSE related matters.
- o Relevant Acts and Rules.

Consolidate the list of applicable regulatory & corporate requirement in the form of “Register of Regulation” (Annexure-I) as applicable as per format no HSEP03-F01 to the operation at BHEL, ISG

The changes in the regulatory requirements shall be identified through:

- o Gazette notifications.
- o Notices received from the regulatory bodies/judiciary.
- o Announcement in newspapers/magazines.

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**HSE PROCEDURE
FOR
REGISTER OF REGULATIONS**

Doc. No. : HSEP: 03
Issue No.: 00
Rev. No. : 01
Date : 10.01.2018
Page : 2 of 11

- o Communication with regulatory bodies Factory Inspector/ Chief Controller of Explosives/ MOEF/ SPCB/CPCB/ and others.
- o Environmental legislation update newsletter.
- o Notification received from BHEL Corporate HSE and other divisions.

All regions of ISG to be communicated about the changes/amendments by ISG-HQ (Q, S & MM) as per format HSEP03-F02. Regions will inturn, communicate the above to all applicable department/sites/ concerned agencies

The Register of Regulations shall be reviewed and updated at least once in a year by HSE Task Force. Such updation shall be communicated to the concerned departments. Notifications & Publications received from various agencies from time to time are reviewed for any changes in the applicable Legislations / Regulations. Information on any changes in the same is also obtained by interacting with statutory bodies.

All sites shall submit the status of applicable HSE parameters yearly to MR-HSE as per format HSEP: 03-F03. The parameters are identified in Annexure II

4.0 DOCUMENT CONTROL

This document shall be issued and controlled as detailed in HSE Procedure HSEP: 03

5.0 FORMATS USED

HSEP: 03 -F01 - Identification of HSE regulations and responsibility
HSEP: 03 -F02 - Updation/amendment of Legislations
HSEP: 03- F03 - Monitoring compliance for HSE legislations

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**HSE PROCEDURE
FOR
REGISTER OF REGULATIONS**

Doc. No. : HSEP: 03
Issue No.: 00
Rev. No. : 01
Date : 10.010.2018
Page : 3 of 11

ANNEXURE-I

Procedural requirements under Indian HSE Legislation

Sl.No.	HSE Legislation	Year	Responsibility	
			Principal Employer (Direct)	BHEL (Indirect)
1.	The Water (Prevention and Control of Pollution) Act/ Rules	1974/1975	√	Only to comply with contract requirements related to construction of ETP
2.	The Water (Prevention and Control of Pollution) Cess Act/Rules	1977/1978	√	Nil
3.	The Air (Prevention and Control of Pollution) Act/ Rules	1981/ 1982 / 1983	√	- To comply with contract requirements related to construction/ installation of Chimney/ air pollution control equipment - To analyze RSPM and SPM at site annually
4.	The Environment (Protection) Act /Rules	1986	√	To follow the design criteria if any and as specified by the Principal employer
5.	The Hazardous Wastes (Management and Handling) Rules including Amendment 2000	1989	√	- Storage of waste oil during construction stage in unleachable earmarked area (concreted / brick lined) for land and water pollution prevention - As practicable, sell waste oil to MoEF/ SPCB authorized recyclers - Other hazardous wastes like mercury, lead, grease, chemicals etc. shall be disposed as per rules.

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HSE PROCEDURE FOR REGISTER OF REGULATIONS

Doc. No. : HSEP: 03
Issue No.: 00
Rev. No. : 01
Date : 10.012018
Page : 4 of 11

Sl. No	HSE Legislation	Year	Responsibility	
			Principal Employer (Direct)	BHEL (Indirect)
6.	Manufacture, Storage and Import of Hazardous Chemicals Rules	1989	√	Maintain MSDS and handle chemicals accordingly (DA/ O2, industrial LPG, HCL, NaOH, H2)
7.	A) The Factories Act/State rules	1948	√	- Ensure maintenance of testing records of lifting tools, tackles, chains, slings, cranes, hydra etc. by contractors and for those owned by BHEL - Provision of PPEs - Implementation of safe working procedures - Construction of buildings as per contract - Maintain Fire fighting/ First aid facilities - To maintain workplace noise monitoring record and prescribe usage of ear plugs in high noise level area - Arrange for certificate of stability for building safety before commissioning from competent person - Provision of adequate emergency medical facilities - Provision of safe and healthy working environment to the labours - Ensure payment of cess to the fund
	B) The Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Act, The Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Central Rules	1996/1998	√	
	C)) The Building and Other Construction Workers (welfare) Cess Act and Rules	1996 & 1998	√	

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**HSE PROCEDURE
FOR
REGISTER OF REGULATIONS**

Doc. No. : HSEP: 03
Issue No.: 00
Rev. No. : 01
Date : 10.01.2018
Page : 5 of 11

Sl. No	HSE Legislation	Year	Responsibility	
			Principal Employer (Direct)	BHEL (Indirect)
8.	The Central Motor Vehicles Act/Rules	1988/1989	√	- Obtain registration of vehicles owned/ used - Undertake PUC tests, insurance - Periodic submission of Tax - Employing drivers with valid driving license
9.	The Indian Electricity Act/Rules	1956/2003	√	- Adherence to safe work procedures , CPBR and usage of PPE during testing and maintenance of electrical articles - Availability of Fire Fighting equipment and first aiders - Provision of electrical safety signage - Follow the design guideline/ criteria as mentioned in the contract document
10.	The Gas Cylinder Rules,	2004	√	- Ensuring colour coding of gas cylinders as per IS 4379 - Provision of warning stickers to every cylinders with permanent or liquifiable gas - Segregation of empty cylinders from filled one - Ensure cap guards for flammable cylinder (DA, H2) - Safe handling & storage with adopting measures to prevent physical damage - Transport, store and use the cylinders in vertical condition.

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HSE PROCEDURE FOR REGISTER OF REGULATIONS

Doc. No. : HSEP: 03
Issue No.: 00
Rev. No. : 01
Date : 10.01.2018
Page : 6 of 11

Sl. No	HSE Legislation	Year	Responsibility	
			Principal Employer (Direct)	BHEL (Indirect)
11.	The static and mobile pressure vessels (unfired) rules	1981	√	Contractors to get the vessels tested by competent person
12	The Noise Pollution (Regulation & Control) Rules,	2000	√	- To maintain the ambient noise monitoring record - Use of PPEs
13.	The Batteries (Management and Handling) Rules,	2001	√	- Maintain register of purchase and sold batteries - Sell used batteries only to auth. Recyclers
14.	The Indian Boiler Act/ Rules	1923/1950	√	- Construction as per IBR - Provide support for obtaining registration from Chief Inspector of Boiler, IBR cert. For valves, pipes fittings approved isometrics, analysis reports etc.
15.	Approval from Airport Auth. Of India for Chimney Height and distance		√	- Obtain the clearance from AAI for safe chimney height and distance - Provision of aviation lighting.
16.	The Explosives Act/ Rules	1884/1983	√	To construct the facility as per the contract document

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FOR
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Doc. No. : HSEP: 03
Issue No.: 00
Rev. No. : 01
Date : 10.01.2018
Page : 7 of 11

Sl. No	HSE Legislation	Year	Responsibility	
			Principal Employer (Direct)	BHEL (Indirect)
17	The Petroleum Act /Rules	1934/1976	√	- To construct the facility as per the contract document - Arrange for certificate of safety for filling of petroleum before commissioning from competent person
18	The Contract Labour (Regulation and Abolition) Act/ Rules	1970/1971	√	- Registration obtained from authorities as per the provision of the said act/ rules by contractors. - Engagement of the contractor which are licensed in case the number of workmen is 20 or more
19	Atomic Energy (Radiation Protection) Rules.	2004	√	- To construct the facility as per atomic energy rules - Engagement of the contractors which are licensed - Use of radiation badge by the operators.
20	E-waste (Management & Handling) Rules	2011	√	To dispose off e-waste to authorized buyers only
21	The Municipal Solid Waste (Management & Handling) Rules	2000	√	To dispose off all solid wastes to authorized collectors only
22	Child Labour (Prohibition And Regulation) Act And Rules	1986	√	Restriction of employing child labor <14 years

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Doc. No. : HSEP: 03
Issue No.: 00
Rev. No. : 01
Date : 10.01.2018
Page : 8 of 11

Sl. No	HSE Legislation	Year	Responsibility	
			Principal Employer (Direct)	BHEL (Indirect)
23.	a. The Employee Compensation Act and amendment	1923,2000	√	To ensure payment of compensation as per the act
	b. Personal Injuries (Compensation Insurance) Act,	1963	√	To ensure that each eligible employee is covered
	c. ESI Act	1948	√	
	d. Persons with Disabilities (Equal Opportunity, Protection of Rights and Full Participation)	1995	√	
24	Bio-Medical Waste (Management and Handling) Rules.	1998	√	Segregation and disposal of Bio-medical wastes through approved means.
25	Energy Conservation Act	2001	√	Initiation of energy conservation measures
26	Fatal Accidents Act	1855	√	Ensure payment of compensation to the heirs in case of fatal

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FOR
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Doc. No. : HSEP: 03
Issue No.: 00
Rev. No. : 01
Date : 10.01.2018
Page : 9 of 11

Sl. No	HSE Legislation	Year	Responsibility	
			Principal Employer (Direct)	BHEL (Indirect)
27	Ozone Depleting Substances (Regulation) Rules	2000	√	Promote use of non CFC refrigerant in AC, Refrigerators ,and Water coolers
28	Public Liability Insurance Act	1991	√	Ensure validity of the insurance
29	Recycled Plastics Manufacture and Usage Rules	1999	√	Ensure use of plastic bags /sacks as per rules

Note: Under most of the HSE legislation, it is the prime responsibility of project proponent to obtain statutory licenses / clearances. In some cases BHEL does provide a role of a facilitator to the project proponent

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Doc. No. : HSEP: 03
Issue No.: 00
Rev. No. : 01
Date : 10.01.2018
Page : **10 of 11**

ANNEXURE – II

Monitoring compliance for HSE parameters Site/Area

SL. No.	HSE parameter for monitoring	Frequency	Responsibility	File No:	Remarks
1.	Ambient Air Quality • SPM • RSPM • SOx • NOx	Once in a year			
2.	Drinking Water as per IS-10500	-do-			
3.	Illumination Office, Boiler, TG Any other important area	-do-			
4.	Effluent water quality (after neutralization) as per Environment Protection Act,1986	-do-			

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Doc. No. : HSEP: 03
Issue No.: 00
Rev. No. : 01
Date : 10.01.2018
Page : **11 of 11**

Format: HSEP: 03 – F01

Identification of HSE regulations and responsibility

Sl.No	HSE Legislation	Year	Responsibility	
			Principal Employer (Direct)	BHEL (Indirect)

Format: HSEP: 03 – F02

Updation/amendment of Legislations

Date of Updation	New/ Amended HSE legislation	Department/site to which the law is applicable	Responsibility	
			Principal Employer (Direct)	BHEL (Indirect)

Format: HSEP: 03 – F03 Monitoring compliance for HSE regulations

Site/Area:

Sl. No.	HSE parameter for monitoring	Frequency	Responsibility	File No:	Remarks	

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Revision History Sheet

Date	Revised Clause and Change	Reason	Approved By
01.08.2013	-	Original Issue	Sh. P.N. Karmokar, GM
03.11.2016	3.5: Frequency of revision of ROR changed from at least once in three years to at least once in a year	TUV-SUD Audit Observation at PSNR	Sh.A.K. Sinha, GM १. - << > m L9 63 • 11 • '2 D 1-b



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