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THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED
(A Government of West Bengal Enterprise)
Kolaghat Thermal Power Station
PO : Mecheda & Dist : East Midnapore & PIN - 721 137

ANNEXURE III

Mandatory Safety Clauses

Sub:- Enquiry for Servicing for installation, testing & commissioning of new palm & blanking plates of R-phase bus duct with jumpers Gen-5, KTPS after removal of damaged one.

1. The contractor shall be vigilant to ensure provisions of Factories Act, 1948 and other statutory provisions as applicable in respective Power Station/Project.
2. It shall be the responsibility of main contractor to ensure that all safety requirements are followed by the employee and staff of the sub-contractor.
3. The contractor employing two hundred employees or more, including contract worker, shall have a Safety Coordinator in order to ensure the implementation of safety requirement of the contract and a contractor with less number of employees, including contract workers, shall nominate one of his employees to act as Safety Coordinator who shall liaise with the Safety Officer on matter relating to safety and his name shall be displayed on the notice board at a prominent place at the work site.
4. The contractor shall be responsible for non-compliance of the safety measures, implications, injuries, fatality and compensation arising out of such situation or incidents.
5. In case of any accident, the contractor shall immediately submit a statement of the same to the owner/head of the concerned Department and Safety officer, containing the details of the accident, any injury or casualties, extent of property damage and remedial action taken to prevent recurrence and in addition the contractor shall submit a monthly statement of the accident at the end of each month.
6. Contractor must ensure use of Personal Protective equipment by its workers in line of their allotted job.-
 - i) The personal protective equipment to be supplied by the contractor to their worker must be in line with IS/CE or equipment approve standards before commencement of the work. The contractor should bid the price in line with this.
 - ii) PPE list against the kind job is given below:-

PROTECTION OF JOB

- A. Working at Height
(above 1.8 meter from immediate (floor).
- B. Chipping, Grinding, drilling, powered fasteners.
- C. Chemical (Liquid & Solid)
Handling, Degreasing, Spraying, Splashing.
- D. Wood working, Sweeping, Dusting.

APPROPRIATE PPE

A. Working at Height (above 1.8 meter from immediate (floor).	Full Body Harness, Safety Net, Lifeline, Helmet, Safety Shoe, leather/Cotton Hand gloves etc.
B. Chipping, Grinding, drilling, powered fasteners.	Goggles & Face Shield, Helmet, Safety Shoe, Leather/Cotton Hand gloves etc.
C. Chemical (Liquid & Solid) Handling, Degreasing, Spraying, Splashing.	Chemical Goggles, Safety Glasses, Face Shield, Nose guard, Helmet, Safety Shoe, Rubber Hand gloves, Chemical suits etc.
D. Wood working, Sweeping, Dusting.	Safety Glasses, Face Shield, Nose guard, Helmet, Safety Shoe, Leather/Cotton Hand Gloves etc.

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11-11-2019

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E	Welding Job. Cutting, Brazing. Soldering, to avoid injury to flashing.	Welding helmets /welding shields used over primary eye protection Helmet, Safety Shoe .Leathery Cotton Hand Gloves etc.
F	Working at High Temperature.	Safety Goggles, Helmet. Safety Shoe .Heat Resistant Hand Gloves etc.
G	Metal Handling (Sharps)	Safety Goggles, Helmet, Safety Shoe .Cut Resistant Hand Gloves etc.
H	Impact, operation of Overhead crane	Safety Goggles, Helmet, Safety Shoe, Hand Gloves etc.
I	Electrical work	Safety Goggles, Helmet. Non steel toed Safety Shoe, Insulated Hand Gloves, Fire retardant clothing. etc .
J	Chemical like particulates, gas, vapour fumes.	Safety Goggles, Helmet, Safety Shoe, Air purifying respirator with appropriate cartridge etc.
K	Oxygen deficiency work (confirmed space job etc)	Safety Goggles, Helmet, Safety Shoe, Supplied Air Respirator (BA Set) etc.
L	Fire fighting job and Rescue work.	Safety Goggles, Helmet, Safety Shoe, High Visibility fire resistance suits. Leather / cotton hand gloves etc.
M	Working at Noisy Area.	Safety Goggles, Helmet, Safety Shoe • 85 dB to less than 100dB required Air Plugs • 100dB or greater required Air Muffs.
7	The contractor will ensure medical examination for its workers who are working at hazardous area before commencement of the work and once in every year by qualified medical doctor as per provision in the Factories Act, 1948 and W. B Factories rule, and maintain a register for the same for inspection by Respective Department and Safety Department on demand.	
8	The worker employed by the contractor should be suitable for the respective job requirement otherwise head of the concerned Department shall have right to disallow the unsuitable worker (e.g. a vertigo patient can't be allotted a job at height). The contractor shall engage suitable nos of supervisors to ensure safety of all place of worker during execution of the work.	
9	In case of injury, the contractor will send the injured person to hospital / Dispensary /First Aid centre with statement to head of the concerned department under whom he work as well as Safety Officer. The contractor shall submit periodical progress report about the treatment till the injured worker is certified fit by Govt. / Govt. registered Doctor and the said certificate will be submitted to the safety department and HR & A Department before resumption of work by the said injured worker .The contractor 'will maintain an arrangement at his own cost to administer first aid in case of minor injury to any working personnel.	
10	The contractor must report about serious injury/fatality of his worker to the owner /head of the concerned Dept. and Safety Officer immediately.	
11	After Completion of work, the Scraps & debris created from the work should be cleared immediately by the Contractor at his own cost.	
12	Without prejudice to the right conferred by the clause as mention before for stoppage of	

11-11-2018

Rajesh



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work for violation of Fire & Safety requirement. contractor should be liable for penalties mentioned below:-

- A Upto Rs 5000/- DGM(Technical Cell)/Head Fire & Safety Dept/Head of the Dept. where work is being done for 1st violation of safety norm, non use of PPE like Safety Shoes, Hand Gloves ,Safety Helmet, Goggles etc as per work requirement of contractor and their worker.
- B Fine upto Rs 20,000/- on 2nd violation as mentioned in clause (A) above.
- C Contractor shall be debarred for one (1)year/deregistered from taking up further contractual work in station/project from the date of issue of debarring/ deregistering order on 3rd violation as mentioned in clause no.(A) above.
- D Fine upto Rs10,000/- for violation of non use of full body harness by contractor and contractor worker for working height job.
- E Fine upto Rs 25,000/- (Min) to Rs 50,000/- (Max) for serious injury caused b) violation as mentioned in clause no. (A) to (D).
- F Independent of the above, contractor shall be fined RS 1,00,000/- (One Lakh) or more and debarred / deregistered from taking up further contractual work in WBPCL from the date of issue of debarring/ deregistering order in case any fatal accident occurs due to violation as mentioned clause (A) and (D) above.

13 The "Safety Clearance Certificate" is mandatory as attached in "Safety"- Annexure for final clearance of payment.

EQUIPMENT QUALITY:-

- a) Contractor shall provide good condition equipment for job.
- b) Equipment shall operate only by trained /competent and designated employee.
- c) Contractor shall provide relevant certifications of the equipment before putting in service.
- d) Electrical Maintenance or repair (Including minor) shall only be performed by approved competent person related to electrical work.
- e) The contractor shall ensure periodic testing /Examination of equipment as well as safety tools and tackles used by them as per provision of The Factories Act, 1948 and The West Bengal Factories Rules, 1958 and maintain a register for the same for inspection by respective dept/ Fire & Safety Dept. on demand.

11-11-2019

Rajiv