

Delhi State Industrial & Infrastructure Development Corporation Ltd.
N-36, Bombay Life Building, Connaught Circus, New Delhi-110001

Office of the Executive Director

No.DSIIDC/PS/ED/2012/337)

Dated: 7th January, 2012

In continuation of all earlier Guidelines on maintenance of sewer lines, the updated Guidelines on the subject are enclosed herewith for strict mandatory compliance.

These Guidelines may be widely circulated to all concerned.


(Sanjeev Ahuja)
Executive Director

To

1. Director (Works)-I
2. Director (Works)-II
3. Sr. Project Director (Housing)
4. Project Director (Safety)

Copy for information to:-

1. CA to CMD
2. Director (Finance)
3. General Manager
- ✓ 4. Sr. Manager (IT)

Guidelines on Maintenance of Sewer Lines of Industrial Areas under the jurisdiction of DSIIDC

- 1) DSIIDC is an agency which doesn't employ any sewage workers directly. It only has a role in maintenance of sewer lines in its industrial estate namely; Narela, Bawana & others. Besides the Patparganj owned by Industries Department entrusted to DSIIDC for maintenance. The cleaning of sewer lines is done through contractors as and when required at intervals.
- 2) It shall be ensured by the concerned Chief Engineer that the workers are allowed to enter the manhole only in the presence of the AEE's/ JE's and responsible authorized representative of the contractor after following all safety rules and procedures.
- 3) The Corporation's Safety Division under the charge of a Project Director is responsible for all safety aspects of civil construction projects, CETPs and REPS. Safety measures shall be reflected as part of the weekly management information system reports for all projects.
- 4) The Chief Engineer shall ensure that a mandatory condition is made on all the contracts which shall be strictly ensured by the Engineer-in-charge that all the sewage workers employed on the work undergo a medical examination before they are deployed at the site, their labour employment card with the provision of provident fund and medical insurance are produced to the Engineer-in-charge by the contractor to whom work is awarded.
- 5) The necessary directions /instructions under the Guidelines are as under:-
 1. The concerned Executive Engineer under whose jurisdiction the work of the sewage cleaning is being undertaken shall act as nodal officer who ensures strict compliance of the working condition, safety norms and to meet with statutory directions in this behalf.
 2. While preparing the estimates for undertaking all such work, the expenditure on safety norms and provision of safety / protective gear forms an essential sub head of the estimate and all these cost form part of composite work.

3. The contract conditions include special clauses to meet all the statutory requirements safety norms for this work as spelt out in various directions and special conditions to this effect are not only incorporated in the agreement but are strictly complied with before any person is allowed to enter the sewage manhole.
4. All necessary personal safety equipments & protective gears as stipulated are kept available for the use of the person's employed on the site and maintained in a condition suitable for immediate use, and the contractor is directed to take adequate steps to ensure proper use of equipment by those concerned before the worker is allowed to enter.
5. Entry for workers in the sewage lines / manholes is not allowed except under supervision of the J.E. / AEE and responsible authorized representative of the contractor.
6. Before entry, presence of toxic gases is tested by inserting wet lead acetate paper which changes colour in the presence of such gases and gives indication of their presence or by any other modern method.
7. Presence of oxygen is verified by lowering a detector lamp into the manhole. In case, no oxygen is found inside the sewer line, workers are sent only with oxygen kit.
8. The workers engaged for cleaning the manholes/sewers are properly trained before allowing working in manholes.
9. When the worker is employed in sewer and manholes they are provided with protected fears like gum boots, helmets, gloves, PVC protective body suits, gas mask with oxygen cylinders, torch and safety belt with rope.
10. The workers are not allowed to work in manholes continuously. He is given rest intermittently.
11. Air blowers are used to flow of fresh air through the manholes. Whenever called for portable air blowers they are used for ventilating the manholes.

12. The workers are issued an employment card in form 14 of the CL (R & A) Central Rules 1971 within three days of the employment of the worker by the contractor.
13. The worker is medically examined before the commencement of the work and at a regular interval of fortnightly free of the cost and copies of medical records are furnished in the office of Engineer-in-charge.
14. The workers diagnosed with any medical disease who are medically not suitable for cleaning of sewer/manholes as per the advice of doctor, are not permitted to be deployed on such type of works.
15. During the execution of the work, if a worker is diagnosed with disease due to cleaning of the sewer / manhole work, the treatment of the disease shall be given free of cost.
16. Compensation shall be paid by the respondents and recoverable from the contractors, if permissible in law, to all the workmen suffering from any occupational disease, ailment or accident in accordance with the provisions of accident in accordance with the provisions of the Worker's Compensation Act, 1923.
17. On the death of any worker , including any contract worker, an immediate exgratia solatium of Rs. One lac with liberty to recover the same from contractors, of permissible in law shall be paid.
18. To ensure payment of all statutory dues such as provident funds, Gratuity and Bonus to all the sewer workers, including contract workers, as applicable in law.
19. To provide restrooms and canteens including therein first-aid facilities including safe drinking water, washing facilities, latrines and urinals, shelters, crèches as per applicable model rules.
20. A proper record of all the happening in the site order book shall be maintained which shall include:-
 - a. Provision of safety equipment of the contractor.
 - b. The data about pre-inspection of sewer lines before entering.

- c. Training of safety workers.
- d. Use of safety gears and safety equipments.
- e. Barricading of working site.
- f. History card for all sewer workers and equipments
- g. Daily record of work performed.

The above guidelines shall be mandatorily followed on maintenance of all sewer lines under the jurisdiction of DSIIDC.

(Sanjeev Ahuja)
Executive Director
DSIIDC