

, DELHI DEVELOPMENT AUTHORITY

NO. EM1(10)83/1701

Dated: 7.2.86

CIRCULAR NO. 132

The office of Director General(Works) CPWD has issued a memorandum vide No. CE/Con/835 regarding amendment to safety code is forms CPWD 7 & 8 in persuance of standing order No. 265 issued by the Ministry of Urban Development vide their No.28012/43/79-W4 dated 6.11.1985. The said amendment has been approved for adopting in DDA too m by the Engineer Member, DDA.

Therefore, a copy of the same is enclosed herewith for necessary action in DDA.

Sd/-
(OM PRAKASH)
DIRECTOR (WORKS)

Encl: As stat~~e~~
Encl: As stated.

1. Finance Member.
2. C.A.O.
3. C.V.O.
4. All Chief Engineers with spare copies for SEs/EEs
5. CE(QC)
6. SE(Vig.)
7. Director (Hort.) with spare copies for Dy. Dir(Hort.)
8. Director (MM) with spare copies for EE^S
9. Suptd(Int. Inspn.)

DELHI DEVELOPMENT AUTHORITY
ENGINEERS CIRCLE-V

No. SE(V)/IC(13)83/1110-14

Dated: 19.2.86

Copy forwarded to all EEs & EE(P) for information and necessary action.

Sd/-
EA to SE(V)/DDA

DIRECTORATE GENERAL OF WORK
CENTRAL PUBLIC WORKS DEPARTMENT

NO.CE/CON/835

Dated: January 1986

MEMORANDUM

Sub: Amendment of safety code in forms CPWD 7&8.

A copy of standing order No. 265 issued by the Ministry of Urban Development vide their No. 28012/43/79-W4 dated 6.11.1985 is sent herewith for information and guidance.

Sd/-
(A.S.SIDHU)
F.O. TO D.G.W.

Encl: As above.

Issued from file No. 18/15/78-A&C(DGW)

To

13. Engineer Member, DDA, Vikas Minar, New Delhi.

NO. 28012/43/79-W4
Government of India
Ministry of Urban Development
(Works Division)

New Delhi, dated the 6th Nov.85

STANDING ORDER NO. 265

Sub: Amendment to safety code in CPWD Form 7&8.

Para VIII(e) of the CPWD Form 7 & 8 be submitted as under:-

"(e) When workers are employed in sewers and manholes, which are active use the contractor shall ensure that the following safety measures are adhered to:-

- i) Entry for workers into the line shall not be allowed except under supervision of the JE or any other higher officers.
- ii) At least 5 to 6 manholes upstream and downstream should be kept open for at least 3 to 4 hours before any man is allowed to enter into the manhole for working inside.
- iii) Before entry, presence of Toxic gasses should be tested by inserting wet lead acetate paper, which changes colour in the presence of such gases and give indication of their presence.
- iv) Presence of Oxygen should be verified by lowering a detector lamp into the manhole. In case, oxygen is found inside the sewer line, workers should be sent only with Oxygen kit.

- v) Safety belt with rope should be provided to the workers. While working inside the manholes such rope should be handled by two men standing outside to enable him to be pulled out during emergency.
- vi) The area should be barricaded or cordoned off by suitable means to avoid mishaps of any kind. Proper warning sign should be displayed for the safety of the public whenever cleaning works are undertaken during night or day.
- vii) No smoking or open flames be allowed near the blocked manholes being cleaned.
- viii) The malba obtained on account of cleaning of blocked manholes and sewer lined should be immediately removed to avoid accidents on account of slippery nature of the malba.
- ix) Workers should not be allowed to work inside the manhole continuously. He should be given rest intermittently. The Engineer-in-charge may decide the time up to which a worker may be allowed to work continuously inside the manhole.
- x) Gas masks with oxygen cylinder should be kept at site for use of emergency.
- xi) Air blowers should be used for flow of fresh air through the manholes. Whenever called for. Portable air blowers are recommended for ventilating the manholes. The Motors for these shall be vapour proof and of totally enclosed type. Non sparking gas engines also could be used but they should be placed at least 2 meters away from the opening and on the lowered side protected from wind so that they will not be source of friction on any inflammable gas that might be present.
- xii) The workers engaged for cleaning the manholes/sewers should be properly trained before allowing to work in the manholes.
- xiii) The workers shall be provided with Gumboots or non-sparking shoes, bump helmets and gloves, non sparking tools, safety lights and gas-masks and portable air blowers(when necessary). They must be supplied with barrier cream for anointing the limbs before working inside the sewer lines.
- xiv) Workmen descending a manhole shall try each ladder step of rung carefully before putting his full weight on it to guard against insecure fastening due to corrosion of the rung fixed to manhole well.
- xv) If a man has received a physical injury he should be brought out by the sewer immediately and adequate medical aid should be provided to him.
- xvi) The extent to which these precautions are to be taken depend on individual situation and the decision of the Engineer in charge regarding the steps in this regard to be taken in an individual case will be final".

Sd/-

(D.C. BHATT)

SECTION OFFICER(SPECIAL)

Director General(Works)

Central P.W.D.

New Delhi.

Copy to:

Director of Audit, CWM, New Delhi and etc. Sd/- Section Officer.