



No. NSKFDC/SDTP/MC/415/2016-17/2224

By Post/Email
March 01, 2018

To

Municipal Corporations (as per list attached)

Sub: Workshop on Hazardous Cleaning of Sewers and Septic Tanks.
Ref: This Office D.O. dated 24.8.2017.

Sir/Madam,

Further to the earlier letter regarding organizing of workshop for Sanitation Inspectors, Supervisors, Engineers etc. on care to be taken on hazardous cleaning of sewer lines, septic tanks etc., it is intimated that two Municipalities namely Greater Mumbai and Tirupati had responded to our offer, based on which half-day workshops have been conducted in their respective cities. In the case of Tirupati, the officials of adjoining Municipal Corporations had also participated to ensure better coverage.

In this regard, during the course of the discussions in the workshop, it came out that many a times, this activity is carried out by contractors and therefore, onus of ensuring the availability of various equipments also lies with them. However, as understood in most cases, the specific list of equipments required for the hazardous cleaning are not specified in tender document.

In consideration of the above, we are **enclosing** alongwith a list of some of the critical equipments which should be listed and mandated in the tender document as necessary for contractors to possess in the case of having to undertake hazardous cleaning of the sewers and septic tanks etc.

It may kindly be noted that this list is based on the "Prohibition of Employment as Manual Scavengers and their Rehabilitation (MS) Rules, 2013 framed under the MS Act, 2013. As mentioned, this is purely an indicative list and may be appropriately improved upon by the respective Municipalities based on the salient features of their underground system and their field level knowledge.

It is hoped that the above list will be useful for the Municipalities to ensure that all hazardous cleaning whether undertaken directly by its workers or contractually employed workers is carried out as per the stipulations of the MS Act, 2013 with a view to avoiding loss of valuable human life during the process.

You are also requested to hold the Workshop on hazardous cleaning of sewers and septic tanks wherein representatives of NSKFDC may also be invited to attend.

Thanking you

Yours faithfully



(K. Narayan)
Managing Director

Copy to:

- The Joint Secretary, Ministry of Housing and Urban Poverty Alleviation for information and necessary action at your level.
- The Joint Secretary – SCD(B) for kind information please.

As per Prohibition of Employment as Manual Scavengers and their Rehabilitation Act, 2013, following protective gear and safety devices are required to be provided to a person engaged to clean sewer or septic tanks

Chapter –II Rule: 4

4. Any person engaged to clean a sewer or a septic tank shall be provided by his employer, protective gear and safety devices including, but not limited to the follow: -

- (i) Air compressor for blower
- (ii) Air line breathing apparatus
- (iii) Air line respirator with manually operated air blower
- (iv) Air purifier gas mask/chin cortege
- (v) Artificial respiration / Reticulate
- (vi) Barrier caution tape
- (vii) Barrier cream
- (viii) Barrier cone
- (ix) Blower
- (x) Breath Mask
- (xi) Breathing apparatus
- (xii) Caution board
- (xiii) Chlorine mask
- (xiv) Emergency medical oxygen resuscitator kit
- (xv) First Aid Box
- (xvi) Face mask
- (xvii) Gas Monitor (4 gases)
- (xviii) Guide pipe set
- (xix) Full body wader suit
- (xx) Fishing wader suit attached with boots
- (xxi) Hand gloves
- (xxii) Head lamp
- (xxiii) Helmet
- (xxiv) Helmet demolishing
- (xxv) Lead acetate paper

- (xxvi) Life guard pad
- (xxvii) Modular airlines supply trolley system
- (xxviii) Normal face mask
- (xxix) Nylon rope ladder 5 meters
- (xxx) Nylon safety belt
- (xxxi) Pocket book
- (xxxii) Port oxy
- (xxxiii) Raincoat
- (xxxiv) Reflecting jacket
- (xxxv) Safety belt
- (xxxvi) Safety body clothing
- (xxxvii) Safety body harness
- (xxxviii) Safety goggles
- (xxxix) Safety gumboots
- (xl) Safety helmet
- (xli) Safety showers
- (xlii) Safety torch
- (xliii) Safety Tripped set
- (xliv) Search light

In addition to above, the safety devices required as per rule 6 & 7 of Chapter-II of the MS Rules 2013 are as under: -

- (i) Camera or CCTV
- (ii) Portable aluminum ladder
- (iii) Flashlights and communication devices such as two way radios
- (iv) A basket stretcher or similar device
- (v) First aid equipments
