



DELHI JAL BOARD: GOVT. OF N.C.T. OF DELHI
OFFICE OF THE MEMBER (DR)
VARUNALAYA PH- II KAROL BAGH, NEW DELHI- 05

FI(3)

No. DJB/Member (Dr)/2017/ 488 to 504

Dated: 30-08-2017

INSTRUCTIONAL ORDER

Subject: - Regarding safety of workers and implementation of PEMS Act and their Rehabilitation Rule, 2013.

In continuation to the instructional order issued from time to time, a comprehensive instructional order on the subject is hereby circulated with respect to strict implementation of PEMS Act and their Rehabilitation Rule, 2013.

1. The rule 3 to 8 of the PEMS Act and their Rehabilitation Rule, 2013 should be strictly followed and the same are reproduced below:-

Rule 3. (1) No person shall be allow to clean a sewer manually, with the protective gear and safety devices under these rules except:-

- (a) For the removal of the concrete or FRP (Fiber Reinforced Plastic) or damaged manhole door where mechanical equipments cannot be put into operation.
- (b) For inter- linking the newly laid sewer main with the existing sewer main, in case of sewer of size of more than 300 mm diameter.
- (c) For removal of submersible pump sets fixed at the bottom of the suction wells.
- (d) For the reconstruction of the manhole or rectification of the sewer main.
- (e) Any circumstance, when it is absolutely necessary to have manual sewage cleaning, after the CEO of the local authority has permitted

to do so after recording in writing the specific valid reasons for allowing such cleaning.

(2) For the purposes of clauses (c) and (d) of sub-rule (1), before allowing entry of a person in the sewer, sewage shall be totally emptied.

Rule 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 following :-

- (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 cram
- (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) Fully body Suit
- (xx) Fishing wader suit attached with boosts
- (xxi) Hand gloves
- (xxii) Head Lamp
- (xxiii) Helmet
- (xxiv) Helmet demolishing
- (xxv) Lead acetate paper
- (xxvi) Life guard pad

- (xxvii) Modula Airlines Supply Trolley System
- (xxviii) Normal face mask
- (xxix) Nylon rope ladder 8 metres
- (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 Tripod Set
- (xliv) Search light

Rule 5. The local authority shall ensure that the following cleaning devices are used by persons engaged in cleaning sewer or septic tank including but not limited to the following :

- (i) Sewer Line Cleaning Bucketing Machine
- (ii) Jetting Machine
- (iii) Suction Machine (Gulley Emptier)
- (iv) Combined Machine (Jetting cum Suction)
- (v) Manual Hand Operated Grab Bucket
- (vi) Hydraulic Operated Trolley Mounted Grab Bucket
- (vii) Truck Mounted Mounted Grab Bucket
- (viii) Truck Mounted Motor and Winch Operated Grab Bucket Machine
- (ix) Fixed Structure Mounted Motor and Winch Operated Grab Bucket Machine
- (x) Rickshaw Mounted Winch and Motor Operated De-silting Machine for wet well

- (xi) Rickshaw Mounted Winch and Auxiliary Engine Operated De-silting Machine for Manhole
- (xii) Escort Hydra Crane Mounted Hydraulic Winch Operated Grab Bucket De-silting Machine
- (xiii) Manual rods, shovels, spades, drainage cleaning machines and steel scrapers with handles
- (xiv) Hoses and washing instruments.

Rule 6 (1) All protective gear and safety devices under these rules shall be checked every six months and necessary repair or replacements shall be made by the employer who engages a person for cleaning a sewer or a septic tank.

(2) Comfortable bodysuits shall be made available to the worker who has to enter sewers or septic tanks for their cleaning. The employer shall provide full body suits to workers entering manholes of depth less than five feet.

(3) The employer shall also ensure the following safety precautions before a person is engaged in the cleaning of a sewer or a septic tank, namely:-

(a) There shall be a minimum of three employees present all the time, one of whom shall be a supervisor.

(b) The atmosphere within the confined space shall be tested for oxygen deficiency and toxic and combustible gases including but not limited to poisonous gases like Hydrogen Sulphide, Carbon Monoxide, Methane, and gasoline vapors, through detection tests including the following :-

(i) Lowering a detector lamp into the manhole,

(ii) Inserting wet lead acetate paper which changes colour in the presence of hazardous gases.

(iii) Detection of gases through gas detector masks.

- (c) Before starting the cleaning under sub-rule (1) the supervisor referred to in clause (a) of sub-rule (3) has inspected and determined if the sewer serves any industries nearby to anticipate any hazardous atmosphere that may be encountered.
- (d) The condition of metal - rung ladders and the side walls of the manhole shall be checked to see if there is any danger of collapse.
- (e) Traffic and pedestrian barricades are provided all the times.
- (f) A flag man should be stationed at least 50 feet ahead of a site and should be visible to incoming traffic for at least 500 feet.
- (g) Regular medical checkup of sewage workers which shall include the examination of respiratory organs, skin injuries and other occupational diseases and injuries for their treatment to ensure that sewage workers afflicted with such diseases or injuries do not enter sewers for cleaning.
- (h) Regular vaccination against respiratory and skin diseases and other occupational diseases to which these workers are prone due to exposure to harmful substances and gases in sewers.
- (i) All employees who are present on site during cleaning work are given training and adequately familiarized with the knowledge to operate all equipments involved in cleaning work to avoid injuries or diseases associated with such work and to take necessary steps in case of emergency arising at the place of work and the training shall be conducted every two years and the employees shall be familiarized with any changes in method and technique with respect to the above.
- (j) The supervisor possesses and keeps handy the names, addresses and telephone numbers of the nearest hospitals or clinics.
- (k) Cleaning of sewer or a septic tank shall be done :-
- i. Only in day light; and
 - ii. For duration not exceeding 90 minutes, at a stretch. There shall be a mandatory interval of 30 minutes between two stretches.

- (l) Identify and close off or reroute any lines that might carry harmful substances to, or through, the work area.
- (m) Ensure that written operating and rescue procedures are displayed at the entry site.
- (n) If the entry is made through a top opening, use a housing devices with a harness that suspends a person in an upright position and a mechanical device shall be available to retrieve personnel from vertical spaces more than five feet deep.
- (o) At least one person trained in first aid and cardiopulmonary resuscitation should be immediately available during any confined space job.
- (p) Oxygen content in the manhole must be at least 19.5% in the confined space of the manhole measures at all levels (bottom, middle and top) and no person enters the manhole if oxygen level is below 19.5% and more than 21%.
- (q) Ventilate the sewer line by opening at least two or three manholes on both sides where work is to be carried out.
- (r) Manhole shall be opened at least one hour before the start of operation.
- (s) The opened manhole shall be properly fenced or barricaded to prevent any person, especially children, from accidentally falling into the sewer. Dummy cover with welded fabric or wire net may be used.
- (t) All works use the safety gear and safety devices before entering the sewer line.
- (u) The person entering the manhole or sewer line must be monitored using signal or camera or CCTV etc, throughout the operation period.
- (v) Structural safety of manhole rungs or steps must be tested before entering the manhole.
- (w) Portable aluminum ladder is available during the work period during the work period where necessary and the portable ladder is properly seated or fixed during use.
- (x) No material or tools are located near the edge which can fall into the manhole and injure the workman.

(y) Equipments used during sewer cleaning are explosion and fire-proof.

(z) Smoking open flames are prohibited inside the manhole as well as in the immediate vicinity of open manholes.

(aa) In the event of a sudden or unpredictable atmospheric change and emergency escape breathing apparatus with at least a 10 minutes air supply is worn.

Rule 7 The employer shall ensure the following safety precautions at the time when the person is engaged in the cleaning of a sewer or a septic tank:-

(i) Portable fans and air blowers with batteries in good working condition with a back up capacity of more than the estimated duration of the entry of the person in the sewer shall be carried into sewers for ventilation and a ventilation source shall be installed at the mouth of the manhole.

(ii) Flashlights and communication devices such as two-way radios shall be carried into sewers.

(iii) Presence of the following rescue equipment at the site :-

(a) A tripod and harness system, or some other method ensuring maneuvering of an injured worker to the surface.

(b) A basket stretcher or similar device shall be available for moving the injured worker to emergency transportation.

(c) First aid equipment as given in Annexure- I and trained personnel shall be immediately available.

(iv) The employer shall ensure availability of ambulance and follow-up in close proximity.

(v) The employer shall ensure that the assigned person has life insurance policy of at least ten lakh rupees and the premium for which shall be paid by the employer.

Rule 8 The employer shall ensure the following post-cleaning safety precautions after and person engaged in the cleaning of a sewer or a septic tank comes out of the sewer or septic tank after a session of cleaning:-

- (i) Providing facilities for removal of contaminated clothing and for wash - up as well as cleaning dry clothing.
- (ii) Wash up material shall include but not be limited to water, soaps, hand sanitizers and adequate and medically authenticated skin cream for applying on the body for post cleaning safety.
- (iii) Any cuts / bruises on the skin or problems with a respiratory organ suffered on account of cleaning of sewer shall be immediately cured.

2. Further the Do's and Don't' issued vide instruction Order No. F1((9)/Dir. (S&DM)/2007/ dated 19.04.2007 by Member (DR) reproduced below be strictly followed:-

A comprehensive list of Do's and Don'ts for ensuring safety of the sewer workers while entering the sewer lines/ manholes has been prepared. It should be ensured by the Engineer in charge that it is followed invariably by all the sewer workers:-

Do's

1. Place easily readable and clear warning signals firmly embedded and supported well ahead of work area.
2. Provide Red Lanterns or electric light signals during night.
3. Place barricades or diversion boards indicating signs to channelize the traffic.
4. Barricade the opened manholes as well as trenches.
5. Keep a first aid box properly stocked including washing bottles to wash away skin and eyes.
6. Ventilate the sewer line by opening 2 or 3 manholes at least one hour before start of operations on both sides where work is carried out.
7. Test for hazardous gases before entry of a person into the sewer line and also in between if the operation is carried out for a longer time. Nobody should be allowed to go inside the manhole if the content of gases is beyond the permissible limits. The silt should be disturbed by suitable means to remove the entrapped gases. Wear gas masks as a precautionary measure.
8. Use the air blowers for ventilation or gas masks, if required.

9. Test and use the safety harness and life line before entering the sewer line.
10. Use safety helmets while working in the manhole.
11. Use protective body suit or use oil (Coconut or sweet oil) on the body before entering into the manhole and take bath immediately after completing the work.
12. Use rubber hand gloves and boots before entering into the manhole.
13. Keep finger nails short and well trimmed.
14. Try each ladder step or rung carefully before putting the full weight on it to guard against insecure fastening due to corrosion of the rung at the manhole.
15. Wash hands with soap and hot water before taking food or smoking and keep fingers out of nose, mouth and eyes.
16. Wash all contaminated parts of the body after the work is completed.
17. Mix the scum well with sewage before entering into the manhole.
18. Leave the manhole at once if there is an unusual or peculiar smell.
19. Check carefully that all men have left the sewer or manhole.

DON'TS

1. Do not keep any material or tools near the edge which can fall into the manhole and injure the workman.
2. Do not enter the manhole without wearing your protective body suit, safety belts, gloves, gum boots etc.
3. Do not go inside the manhole during afternoon in summers when the temperature is high.
4. Do not work inside the manhole for more than 15 minutes at a stretch.
5. Do not smoke or use safety lamp inside the sewer or manhole.
6. Do not walk along a sewer inside without a lifeline with a person holding your lifeline standing outside.
7. Do not enter the manholes without written permission of ASI/ SI/ JE /ZE concerned.
8. Do not enter if the concentration of the hazardous gases is more than the permissible level.
9. Do not throw lighted match sticks in the manhole.
10. Do not leave any manhole or trench unmanned and /or properly barricaded.

The Don'ts may be read in conjunction with the Do's while entering the sewer line / manholes.

3. Instructional Order No. DJB/M(Dr.)/2012/89445 dated 23.08.2012 issued by Member (DR) reproduced below be strictly followed: -

Protection and Safeguard of its workers working in hazardous conditions like cleaning sewer etc. is obligatory on the part of DJB. To avoid accidents due to suffocation, drowning, physical injuries and exposure to toxic materials in the sewerage system, it is essential that the adequate safety measures are in place & proper precautions are taken. To ensure that all safety measures are taken, several instructional orders have been issued from time to time.

The following guidelines/ precautions are being reiterated and may be religiously followed to avoid any accidents: -

1. No man entry should be allowed in the manhole without issue of work permit by the competent authority.
2. All safety equipments like Helmets, Gum Boots, Hand Gloves, Full Body Suit, Hand Blowers, Gas Detectors, Folding Ladders, Safety Belt, Oxygen Cylinder etc. must be available in adequate numbers and maintained in working condition by the store in charge.
3. As far as possible, mechanized cleaning operations should be carried out in deep pit work stations should be procured in adequate numbers by the Executive Engineers as per their requirement. Work permit system must be followed regularly.
4. Man entry should be allowed only after checking that the level of poisonous gases in the manhole is within the permissible limits. Proper level of gases must be checked by the Gas Detector. The permissible limits of various gases are tabulated: -

S. No.	Gas	Maximum limit for 1 hour exposure	Maximum limit for 8 hour exposure
1	CO	0.04% by volume in air	0.005% by volume in air
2	H2S	0.02% by volume in air	0.001% by volume in

3	CH4	Probably no limit provided oxygen percentage is sufficient.	air 1% by volume in air
4	O2	Oxygen level should be 19.50-21% by volume in air.	

- It would be safer to consider limit of 8 hours exposure.
5. Ventilation of the manhole must be maintained by opening 2-3 manholes upstream & downstream sides. Blowers, if necessary, must be operated at least 30 minutes before start and during cleaning operations.
 6. The workers should not be allowed to work in sewer for more than 15 minutes in a single stretch. It should be ensured that all required safety equipments are available and are being used by the sewer workers.
 7. In peak summer season, man entry in sewer manholes may not be allowed between 11 AM to 4 PM.
 8. The equipments required in case of rescue of the workers should be available outside the manhole/work area.
 9. First Aid Box with all required medicines (within expiry date) must be readily available in case of emergency.
 10. Dos's and Don'ts for safe working in each unit should be displayed. Printed or written operating and maintenance schedule should be displayed near to each equipment in the language understood by all operating staff.
 11. Proper ventilation is required to be made in raw sludge pump houses and return sludge pump houses and other buildings in the plant. Units should have sufficient number of exhaust fans.
 12. Smoking or carrying open flames in and around digesters and gas holders should be prohibited.
 13. All electrical installations, wiring etc. shall be provided and maintained as per Indian Electricity Rules and standards approved by the department.
- Safety of the sewer workers is the collective responsibility of D/B. The safety & Disaster Management Cell conducts regular awareness programme/

training to educate the sewer workers about the hazards of working in sewers. It is obligatory on the part of every office of DJB involved in the sewer cleaning/hazardous operations to ensure that the sewer workers are working in safe working environment. It is instructed that the safety guidelines and instructional orders be followed in true spirit by all concerned.

4. Further following precautions circulated vide No. F-2(2)/M(DR)/2015/876-879 dated 10.12.2015 reproduced below be strictly followed: -

PRECAUTIONS TO BE TAKEN WHILE CLEANING OPERATIONS

- i) **Precautions before commencing the operation:**
1. As far as possible mechanized cleaning should be undertaken at the work place. In case it is not feasible to do so, no single person should be allowed to undertake the work of cleaning of sewerage facility.
 2. There should be minim. of two employees present all the time and one of them shall be trained and experienced. The supervisor shall remain present at all time.
 3. If the peak summer season entry of the person into the sewer manhole/ septic tank should not be allowed between 11 AM to 4 PM when concentration of gases is expected to be high.
 4. First aid box to meet the emergency should be available at the work place before commencing the work. Keep the emergency contact numbers of ambulance, Police, Fire Brigade handy for use to provide immediate relief in case of any accident.
 5. It is the responsibility of the person who has engaged the labour to clean the septic tank/ sewage plant to apprise them about the "Do's and Don'ts" in advance to ensure safety.
 6. Before undertaking the work, the manholes of the chamber/ septic tank/ sewers should be kept open for minimum 4 hr. Duration to ensure sufficient cross ventilation.
 7. Before under taking the work it will be the duty of the employer to note down name of the person, his address, family whereabouts and emergency contact numbers of his near dear ones so that they can be contacted in case of emergency.

ii) Precautions during operations

8. The person engaged for cleaning the septic tanks / sewers is not allowed to consume alcohol or take any drugs. Also the persons who are not physically fit should not be allowed to undertake the work.
9. The persons engaged for the job will be essentially required to wear the protective gear as per requirement of the work place.
10. The protective gear and safety equipment shall comprise of the equipments mentioned in clause (d) of sub - section (1) of section (2) of MS Act, which is as following (i) Safety body clothing / safety body harness / safety belt (ii) Normal face mask (iii) Safety torch (iv) Hand gloves (v) safety goggles (vi) safety helmet (vii) Emergency medical oxygen resuscitator kit (viii) Gas Monitor (ix) Head lamp (x) Reflecting jacket (xi) Guide pipe set (xii) Safety tripod set (xiii) Wadder suit (xiv) Chlorine Mask (xvi) Air compressor for blower (xvii) Modular Airlines Supply Trolley System (xviii) Full face mask (xix) Safety Gumboots (xx) Raincoat.
11. If there is appearance of white foam and no live cockroach then there is strong possibility of presence of poisonous gases in that chamber. Use litmus paper /gas detector to confirm the same. Give sufficient time by opening the chamber to open sky and if possible use air blowers to allow the gases to escape before taking up the work.
12. Do not depend on the presence of the foot rests fixed in the chamber wall since there is a possibility that with passages of time grip/ hold of the footrest has given way and it may not be strong enough to take the load. Always use rope ladder after testing its carrying strength.
13. No person should be allowed to continue to work or stay in the chamber for more than 15 minutes at a stretch. The persons outside the chamber should remain in conversation with the person/ persons inside the chamber to ensure their well being in case of uneasiness to the person working inside the chamber a signal shall be given by shaking the rope attached his safety harness so that he can be pulled out of the chamber.
14. Smoking or carrying open fire flame in the near vicinity of the work place should not be allowed. Any electric installation should also be not

switched on or switched off near the place of work. If electric wires happen to be nearby, they should be properly insulated.

15. No tools or equipment should be placed near the edge of the manhole to avoid any injury to the worker due to sudden fall of the equipment inside the manhole.

iii). Precautions post operations

16. Do not leave the injured person alone and avoid gathering of mob around him.
 17. Occurrence of any accident resulting into injury / death if any at septic tank /sewage plant shall be informed to labour / police deptt. immediately. Injuries/ death suffered while undertaking cleaning / maintenance/ repairs of the sewerage systems shall be dealt with either under ESI Act, 1948, if applicable or under "The Employees Compensation Act, 1923" or any other Group Insurance as the case may be for the purposes of compensation to the injured person / legal heirs as the case may be.
 18. Compensation to be paid to the family members of the victims shall be in accordance with the Hon'ble Supreme Court verdict dated 27.03.2014 in Writ petition No. 583 of 2003 (Safai Karamchari Andolan and Others Vs UOI & Ors.).
 19. The committee also recommends appointment of inspectors to identify the insanitary latrines as defined under section 20 of the MS Act.
5. The Instructional Order issued vide No. DJB/M(Admin.)/2008/758 dated 18.03.2008 by Member (Admin) regarding issuance of work permit system be strictly followed. The copy of the format is enclosed as Annexure-I.
6. A clause shall be added in the contract conditions of all sewer cleaning works that "The successful bidder shall ensure that the safety measures mentioned in the contract conditions and PEMS Act and their rehabilitation rule 2013 are followed strictly. In case of any accident/ death, the contractor shall be liable to pay minimum compensation Rs. 10 lacs in accordance with the Hon'ble Supreme Court verdict dated 27.03.2014 in Writ petition No. 583 of 2003 (Safai Karamchari Andolan and Others Vs UOI & Ors.) and as provided in

the PEMS Act 2013. In case of failure, DJB shall have the right to make the compensation & recover the amount from the contractor. Further DJB reserves the right to debar the firm from tendering/ black listing if the above condition is not adhered to be the firm/ contractor." M

Sd/-
Sh. R S Negi
Member(Dr)

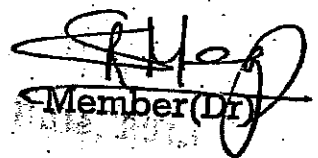
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3. Secretary to CEO
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5. CVO
6. EE(EDP)


Member(Dr)

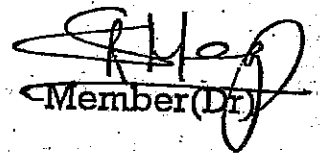
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Sd/-
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Member(Dr)

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6. EE(EDP)


Member(Dr)

दिल्ली जल बोर्ड, राष्ट्रीय राजधानी राज्यक्षेत्र, दिल्ली सरकार

कार्यालय सदस्य (प्रशासन)

वरुणालय फेज-11, कसेल बाग

नई दिल्ली-110032

संख्या एफ.(17) सदस्य (प्रशासन)/2013/ 647

दिनांक: 18.9.13

निर्देशात्मक आदेश

निर्देशात्मक आदेश संख्या एफ (17)/सदस्य (प्रशासन)/2007/71164 दिनांक 18.7.2008 के अधिकरण में एतद्वारा आदेश दिया जाता है कि भविष्य में कर्मचारियों को किसी सीमित स्थान में प्रवेश/कोई जोखिम भरा कार्य करने के लिए वर्क परमिट (कार्य अनुमति पत्र) जारी करने के लिए निम्नलिखित अधिकारियों को अधिकृत किया जाता है :-

क. सं०	सीमित स्थान/अन्य स्थान जहाँ जोखिम पूर्ण स्थिति रहती है	वर्क परमिट जारी करने के लिए अधिकृत अधिकारी
1.	सीवर लाइन/मैनहोल	अधीक्षण अभियंता
2.	वह चैम्बर जिसमें पानी हो/जल शोधन संयंत्र/अवजल उपचार संयंत्र/भूमिगत जलाशय/बूस्टर पम्पिंग स्टेशन/सीवेज पम्पिंग स्टेशन आदि के गहरे चैम्बर/अति स्वेदन शील स्थान	अधीक्षण अभियंता
3.	गैस होल्डर/गैस डाईजेस्टर	अधीक्षण अभियंता
4.	विद्युत एवं यांत्रिक के छोटे * मरम्मत कार्य	फॉरमेन
5.	विद्युत एवं यांत्रिक के बड़े * मरम्मत कार्य	कनिष्ठ अभियंता/ सहायक अभियंता

*अधिसूची अभियंता द्वारा नियमानुसार परिभाषित किये जायेंगे

आगे यह भी सुनिश्चित किया जाएगा कि सीवर लाइन में कर्मचारी के प्रवेश की अनुमति अधीक्षण अभियंता की स्वीकृति से केवल कुछ परिस्थितियों में ही दी जाएगी और प्रवेश सहायक अभियंता के स्तर के अधिकारी की उपस्थिति में होगा। सहायक अभियंता सभी सुरक्षा मापदंडों के अनुपालन को सुनिश्चित करेगा। साथ ही यह भी सुनिश्चित किया जाएगा कि उपरोक्त कार्यों में दिल्ली राजपत्र सं० 62 दिनांक 12.04.13 में दिए गये निर्देशों का पालन अनिवार्य रूप से हो रहा है।

(कार्य अनुमति पत्र) वर्क परमिट जारी करने के लिए संबंधित संलग्न प्रपत्र लागू किया जाएगा।

संलग्न : वर्क परमिट प्रपत्र

1. सीमित स्थान/सीवर में प्रवेश के लिए वर्क परमिट
2. जल उपचार संयंत्र/अवजल उपचार संयंत्र/भूमिगत जलाशय/बूस्टर पम्पिंग स्टेशन/सीवेज पम्पिंग स्टेशन आदि के कार्य करने हेतु वर्क परमिट।
3. विद्युत एवं यांत्रिकी कार्यों के लिए वर्क परमिट।

17.9.2013

सीमित स्थान /सीवर में प्रवेश के लिए वर्क परमिट

1	स्टोर का नाम	
2	स्थल का नाम	
3	किये जाने वाले काम का विवरण /सीवर की गहराई	
4	व्यक्ति अभियंता का नाम / सहायक अभियंता	
5	कार्य के लिए लगाये गये कर्मचारियों के नाम 1 सफाई निरीक्षक /सहायक सफाई/ निरीक्षक/ मेट/ मेषन आदि । 2 सीवर गैंग बेलदार 3 4 5	
6	व्यक्तिगत सुरक्षा उपकरण /कस्त्र उपलब्ध कराये गये 1 गैस मास्क 2 गम बूट 3 दस्ताने 4 शारीरिक सुरक्षा सूट 5 ऑक्सीजन सिलेन्डर गैस मास्क के साथ 6 एयर ब्लोअर	
7	सुरक्षा औजार /उपयोजन प्राणाली उपलब्ध कराना । 1 सेफटी बेल्ट 2 रस्सी 3	
8	स्थल के लिए कोई विशेष औजार/ उपकरण कराये गये है ।	
9	वतावरण जाँच की रिडिंग 1 कार्बन मोनो ऑक्साइड का स्तर 2 मेथेन स्तर 3 हाइड्रोजन सल्फाइड का स्तर 4 अन्य कोई अश्वेत आचयन 5 ऑक्सीजन का स्तर	
10	क्या कर्मचारी प्रशिक्षित एवं जोखिम को समझने वाले हैं	
11	अन्य उपस्थित कर्मचारी 1 2 3	
12	क्या आपात कालीन प्रक्रियाएँ नियत स्थल पर है	
13	वर्क परमिट की वैधता	

अधिकरण एवं स्वीकृति :मैने सुनिश्चित कर लिया है कि प्रत्येक पहचाने गये उपाय समुचित कर्मचारियों सहित उपलब्ध हैं ।धारक को वर्क परमिट की शर्त स्पष्ट कर दी गई है, कार्य आरम्भ किया जाए ।

	नाम	पदनाम	हस्ताक्षर	समय	वर्क परमिट पंजिका में दर्ज की गयी कम संख्या पृष्ठ संख्या
वर्क परमिट जारी करना					
वर्क परमिट समाप्त करना					

विद्युत /यांत्रिक कार्यों के लिए वर्क परमिट

1	स्थल /स्थान का नाम (कार्य स्थल का पता)	
2	काम का नाम एवं विवरण	
3	अधिवासी अभियंता /सहायक अभियंता /कनिष्ठ अभियंता का नाम	
4	कार्य के लिए लगाये गये कर्मचारियों के नाम 1 फोरमैन 2 स्फिटइंचार्ज 3 इलैक्ट्रीकल फिटर 4 हेल्पर	
5	उपयोग किये जाने वाले उपकरण इन्सुलेटर प्लायर इन्सुलेटिड स्कूझाईवर विद्युत अवरोधक दस्ताने जोड़ उपकरण इन्सुलेटिड बूट रबर मैट शारीरिक सुरक्षा कवच चश्मा	
6	बचाव उपकरणों की सूची अग्नि शमक रेत की बाल्टी प्रथमिक चिकित्सा वाक्स	
7	क्या व्यक्ति प्रशिक्षित एवं जोखिम को पूर्ण रूप से समझने वाले हैं	
8	क्या सिस्टम को काटकर अलग कर दिया गया है	
9	क्या सिस्टम को अनुरूपी अर्थिंग है	
10	क्या सिस्टम को ताला बंद किया गया है ताकि अवैध उपयोग न हो ?	
11	वर्क परमिट तक वैध है ।	

अधिकरण एवं स्वीकृति: मैंने सुनिश्चित कर दिया है कि प्रत्येक पहचाने गये उपाय समुचित कर्मचारियों सहित उपलब्ध है । वर्क परमिट की शर्तें स्पष्ट कर दी गई हैं कार्य आरम्भ किया जाए ।

	नाम	पदनाम	हस्ताक्षर	समय	वर्क परमिट पंजिका में दर्ज की गयी क्रम संख्या पृष्ठ संख्या
वर्क परमिट जारी करना					
वर्क परमिट समाप्त करना					

जेल उपचार संघर्ष / अवजल उपचार संघर्ष / सुनिश्चित जलाशय / बस्तर पम्पिंग स्टेजों / सीवर पम्पिंग स्टेजों में कार्य करने हेतु परमिट

1	स्थल / स्थान का नाम (कार्य स्थल का पता)	
2	यूनिट का नाम	
3	किये जाने वाले कार्य का विवरण	
4	सहायक अभियंता / कनिष्ठ अभियंता का नाम	
5	कार्य में लगाये गये कर्मचारी 1 स्फटइंचार्ज / फिटर / इलेक्ट्रीकल / बेलदार अ ब स अन्य कोई	
6	पूर्ण विद्युतकरण सूची 1 इलेक्ट्रीकल लॉक आउट 2 मैकेनिकल लाक आउट 3 ब्लैकिंग एवं अलग करना 4 अन्य	
7	पूर्ण वैयक्तिक सुरक्षा औजार / पोषाक / कपड़े उपलब्ध कराये गये हैं गैस मास्क गम बूट्स दस्तान सुरक्षा बॉडी सूट ऑक्सीजन सिलिन्डर गैस मास्क के साथ	
8	सुरक्षा उपकरण / कवच / उपयोजन करने वाली प्रणाली उपलब्ध करायी गयी है ? सुरक्षा बेल्ट रस्सी अन्य कोई	
9	अन्य कोई स्थल के लिए विभिन्न औजार/ उपकरण उपलब्ध वातावरण जाँच रीडिंग कार्बन मोनो ऑक्साइड का स्तर मिथेन का स्तर हाइड्रोजन सल्फाइड का स्तर अन्य कोई उपलब्ध अवयव	
10	क्या कर्मचारी अभिक्षित एवं जोखिम को समझने वाले हैं	
11	अन्य उपस्थित कर्मचारी 1 2	
12	क्या प्राथमिक चिकित्सा वाक्स उपलब्ध है	
13	वर्क परमिट तक वैध है ।	
14	आपात कालीन विधि नियम स्थल पर है	

अधिकरण एवं स्वीकृति मैंने सुनिश्चित कर दिया है कि प्रत्येक पहचाने गये उपाय समुचित कर्मचारियों सहित उपलब्ध है ।
वर्क परमिट की शर्त स्पष्ट कर दी गई है कार्य शुरू किया जाए ।

	नाम	पदनाम	हस्ताक्षर	समय	वर्क परमिट पंजिका में दर्ज की गयी कम संख्या पृष्ठ संख्या
वर्क परमिट जारी करना					
वर्क परमिट समाप्त करना					