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No. DJB/CE(P&D)/2024/576

Dated: 24/6/24

Advisory on Safety Measure to be taken at work site

Accidents were reported in the recent past during the execution of work, especially during laying of sewer lines. The CEO, DJB, during his inspection on 04.05.2024 at Africa Avenue Road, observed that there was lack of barricading and proper lighting arrangements at the work site. It was directed by CEO, DJB that a general advisory may be issued by the Planning Wing, reiterating complying regarding the implementation of directions already issued in this regard and enforcement of safety measures embedded in the contract agreement.

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The entire responsibility of implementing the provisions on safety measures in the contract agreements for the awarded works to avoid accidents rest upon the executing contractors. However, the supervisory staff cannot escape from their duties on ensuring the same.

Instructions for safety measures to be taken during execution of works etc. have already been issued by various officers of Delhi Jal Board. Engineer-In-Charge must ensure that the provisions in the contract agreements are not diluted and shall ensure the same from the agency and compliance to the instructions issued from time to time be made earnestly.

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It is therefore enjoined upon all the concerned again to comply the instructions already issued from time to time and to ensure the following safety measures to avoid fatal accidents. Any lapse/default will be viewed seriously and will invite departmental action.

1. All provisions on the safety measures provided in the contract agreement as well as notified by NHRC should be strictly followed at site.
2. Place easily readable and clear warning signals firmly embedded and supported well ahead of work area.
3. Place barricades or diversion boards indicating signs to channelize the traffic. The contractor shall provide proper barricading to the trenches and barricading sheet must have been painted in red and white strips with

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 Delhi Jal Board, GNCTD

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fluorescent paint. The Engineer-In-Charge shall allow the work only after he is satisfied with the adequacy of barricading provided by the contractor. Any lapse shall be on the part of the contractors as well as to the Engineers-In-Charge of the work.

4. The work should not be allowed on Sunday and National Holidays. However, in case of emergency work, prior permission should be obtained from the concerned Executive Engineer for carrying out the work on these days and during execution of the works on such emergencies at least Junior Engineer should be present at site.
5. The Engineer-in-charge from the department and site-in-charge of the contractor will ensure before closing of the site that proper barricading, reflecting lights, caution and diversion board etc. are in place and other safety measures are taken-up.
6. When the work is done near a place where there is risk of danger for accident all necessary equipment shall be provided by the contractors and kept ready for use. All necessary steps shall be taken for prompt rescue of any person in danger and adequate provisions shall be made for prompt first aid treatment of all injures likely to be sustained during the execution of work. In case of confined space excavation and deep excavations, the Engineer-in-charge should ensure proper close timbering or any other method to protect the trench from collapse.
7. In case water leakage or seepage from nearby drains/septic tanks etc. is observed, the agency should not be allowed to dig the trench till such leakages or seepages are repaired.
8. The excavated earth should not be stacked on either side of the excavated trench to avoid overburden condition which can cause collapse of the trenches.
9. Proper supporting of all underground services such as water mains/sewers, cables, drains and water and sewer connections shall be provided by the agency.
10. After laying of pipelines and filling of earth up to surface of the road, surplus malba/earth should be removed from the site on the same day to avoid any inconvenience to the public.
11. The filled-up earth should be consolidated in layers properly as described in the agreement to avoid settlement of earth.


12. All existing water connections, if damaged during excavation of trench, should be restored on the same day to minimize inconvenience to the public.
13. The Engineer-In-Charge, henceforth, shall record certificate in the measurement book that the provisions in respect of safety measures has been enforced and are being followed by the contractor effectively. The finance shall not release the payment without such certificate. Also, the Engineer-In-Charge shall be directly responsible for not enforcing the provisions and for not taking due care of safety during execution of work.
14. The provisions in the General conditions of contract on precautions during execution are annexed and shall be ensure. In case of non-compliance from the contractors, the prescribed liquidated damages for various lapses shall be recovered from the payments to the contractors. However, such recoveries shall not relieve the contractors from ensuring all the safety measures prescribed in the contract agreements to avoid accidents.
15. All inspecting Engineers (CE/SE/EE) in their inspection note must state the extent of their satisfaction for implementation of safety guidelines /procedure during their inspection, when the works are in progress.
16. Confidential report of the contractor:

The EE in charge of the work shall maintain register for performance of the contractors for each and every work in the format as given in the DJB's Contractors Enlistment Rules-2023. The performance reports of the works for each of the contractors shall be forwarded to the Enlistment Authority through his SE and CE in the month of March every year. Suitable disciplinary action should be initiated in case of defaulting contractors.

The Advisory may be followed by all concerned in letter and spirit.


Enclosure: As above.

All CEs
All SEs
All EEs


CE (P&D)
(Gajender Tomar)

Copy for information to:

1. PS to CEO
2. Member(A)/Member(Fin.)/CVO
3. CEN(Water)/ (Dr.)
4. EE(EDP) Cell


CE (P&D)
(Gajender Tomar)

DJB Conditions of Contract

3.23 Precautions during execution

- (i) The Contractor shall comply with instructions issued by the Employer in respect of road maintenance and inter utility code of conduct for excavating trenches across and along various roads and other places, in all respects. In case of non-compliance the contractor shall be liable to pay liquidated damages for various lapses as indicated below:
- (a) Non-installation of boards on either ends of trenches: Rs. 500/- per day till implementation.
 - (b) Non shoring of walls of trenches to prevent collapse of the excavated portion (beyond 1.5 m) and where proper stopping not proved: Rs. 1000/- per day till the shoring is fixed.
 - (c) Digging of trenches beyond a stretch of 500 meter for Electrical Authority and Employer and otherwise 1000 meter in case of telephone: Rs. 500/- per day till the damage is restored.
 - (d) Non barricading of trenches of more than 1.5 meter. Rs. 500/- per day till completed.
 - (e) Excavation of trenches across and along roads during day time (at 8 AM to 8PM) without permission: Rs. 500/- per day.
 - (f) Non removal of excess earth and other stones etc. which are causing inconvenience to the road users: Rs. 1000/- per day till completed.
 - (g) Non consolidation of earth while back filling of trenches to the original level: Rs. 500/- per day till completed.
 - (h) Non adherence to prescribed methodology for reinstatement of trenches: Rs. 500/- per day.
 - (i) Road cutting without written or oral permission: Rs. 1250/- per day.
 - (j) Non stacking of materials pipes etc. in an orderly manner during execution causing inconvenience to the road users: Rs. 1000/- per day.
- (ii) The contractor shall have to provide MS sheet barricading or as provided in BOQ up to a minimum height of 2 metres above ground level all around the Site of excavation and trenches as per direction of Engineer-in-Charge. Such barricading must be provided before taking up the excavation work and must remain in position till complete filling back of excavated trenches and resurfacing work, if any. The sheets must be painted in red & White stripes with fluorescent paint.
- (iii) Proper supporting of all underground services such as water mains, sewers, cables, drains, and water and sewer connections shall be provided by the contractor without any additional cost. If the services/connections are damaged the contractor will be responsible for the restoration of the same to original specifications at his own cost.
- (iv) Imposition of liquidated damages by Employer shall not absolve Contractor from any other civil/ criminal liabilities.
- (v) Contractor should maintain first aid box, electric shock recovery devices, safety equipment such as breathing apparatus, safety personal protective equipment and/or other safety equipment as per NHRC guidelines and/ or factory act. The Engineer-in-Charge shall decide to impose suitable damages as mentioned under Clause 17.6.

Annexure-III (for performance of executed work in last 7 years)

CLIENT'S CERTIFICATE REG. PERFORMANCE OF CONTRACTOR

Name & Address of the Client _____

Details of Works executed by Shri/M/s _____

1.	1. Name of work with brief particulars	
2.	2. Agreement No. and date	
3.	3. Agreement amount	
4.	4. Date of commencement of work	
5.	5. Stipulated date of completion	
6.	6. Actual date of completion	
	a. Justified extended date of completion	
7.	7. Details of compensation levied for delay (Indicate amount) if any.	
8.	8. Gross Amount of the work completed and paid	
9.	9. Name and address of the authority under Who works executed.	
10.	10. Whether the contractor employed qualified Engineer / Overseer during execution of work? (Yes or No)	
11.	(i) Quality of work indicate grading Outstanding/V. Good/Good/Poor (ii) Amount of work paid on reduced rates, if any.	
12.	(i) Did the contractor go for arbitration? (ii) If yes, total amount of claim (iii) Total amount awarded.	
13.	Comments on the capabilities of the Contractor. (i) Technical Proficiency (ii) Financial Soundness (iii) Mobilization of adequate T & P (iv) Mobilization of manpower (v) General behavior	Outstanding/V. Good/Good/Poor Outstanding/V. Good/Good/Poor Outstanding/V. Good/Good/Poor Outstanding/V. Good/Good/Poor Outstanding/V. Good/Good/Poor
14.	Successful Operation and Maintenance (O&M) for at least One Year including DLP in case of WWTP/ WTP/ SPS/ UGR/ BPS (applicable for Enlistment in TP and PS Category only).	Yes / No/ Not Applicable

Note: All columns should be filled in properly.

Signature of the Reporting Officer
With official seal

Signature of the Officer
(Officer of the rank of Superintending Engineer
or equivalent with Official Seal)