



राष्ट्रीय राजधानी क्षेत्र दिल्ली सरकार  
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अधीक्षण अभियंता  
स्वास्थ्य सिविल परिमंडल-II  
लो०नि०वि०, दिल्ली सरकार,  
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संख्या.: 23(निरीक्षण)/अधी०अभि०स्वा०-II//लो०नि०वि०/2020-21/ 2062

दिनांक: 15-12-2020

### INSPECTION NOTE

**Name of work:** C/o New Hospital at Siraspur, Delhi.

The subject work was inspected on 15/12/2020 by the undersigned and the following has been observed and corrective action shall be taken:

1. The lean concrete for the basement foundation has been laid about 03 days back. The finishing of the lean concrete was not proper at places. It shall be ensured that plate vibrator and screed leveller are used invariably on such flat concrete. There were marks of water having stone aggregate visible at places that shows that the slump of the concrete was higher.
2. The kota stone water proofing has been started in one corner of the basement. The kota stone water proofing layer was being laid with wide gaps in between two stones at places. These shall be removed and re-laid with proper size stones.
3. The mortar for laying kota stone water proofing was being mixed on volumetric basis but the measuring boxes were not being used. There was no equipment to measure the quantity of admixture being added in the mortar. Accordingly, the work was stopped and it was directed that the work shall be started only after arranging the mini batching plant as per the list of minimum plant and equipment required at site appended in agreement at page-68.
4. The area of lift pit having deeper foundation was excavated and the surface of the pit was having loose portions. The base shall be levelled with small vibratory roller or it shall be levelled with lean concrete as per specifications.
5. The batching plant was checked and found that the printer attached to the machine was not working and the sample concrete batch produced could not give any batch report. In case, the plant is not working, the RMC shall be procured from outside as per contract. It was informed by the Assistant Engineer that the calibration of the batching plant has been checked. The next calibration shall be done in the presence of Executive Engineer.
6. The safety arrangements were not visible at site of work. The entire deep foundation has not been enclosed with barricading as given in Clause-6.20.4.6 (Page-130 of agreement)

thereby there is great risk of someone falling down in the pit having depth of 8 mtr. There were no caution signs / warning signs / lamps etc. before the deep excavation. The lit and non-lit boards shall be fixed before the excavation area.

7. The safety officer required at site of work as per Clause 8.1 of Scope of Work (Page-115) was not available at site. The safety action plan submitted by the agency shall also be submitted to this office by 20/12/2020.
8. The labourer working at site were without the safety helmets, safety footwear, high visibility waist coat / jacket etc.
9. The sandy soil apart from the top soil shall be kept at site for back filling. The part of the sandy soil kept for back filling was not covered as per NGT guidelines.
10. The site laboratory established for testing of materials was inspected and it was found that number of equipment that are required as per the list appended as Appendix-1 on Page-65 of agreement have not been procured. It shall be ensured that Digital PH Meter, Digital Micro Meter, Paint Thickness Meter, Ultrasonic Test Equipment for Concrete, Rapid Moisture Meter etc. apart from other balance materials shall be arranged immediately.
11. The RO Water Treatment Plant at site of work was inspected and it was informed that the capacity of the plant is 10,000 Ltr. per hour and may be checked for peak hour capacity of water requirement. The pH value of treated water was being displayed on the machine as 5.6 against the requirement of not less than 6 as given in IS:456:2000 under Clause 5.4.2. The separate pH meter was not available for checking the pH value. The site staff shall ensure that the treated water being used in the work always have pH value greater than 6.
12. The agency shall arrange the aluminium monolithic concrete shuttering for forthcoming foundation, walls and columns etc.
13. The required supervisory manpower shall be available at site of work as per the conditions of the agreement.

( आर० के० मल्हौत्रा )

अधीक्षण अभियंता (सि०), स्वास्थ्य परि०-II

प्रतिलिपि:

- ✓ 1- मुख्य अभि० स्वा० अंचल, लो०नि०वि०, 2रा तल, बहुमंजिला भवन, नई दिल्ली को सूचनार्थ हेतू प्रेषित।
- 2- कार्यपालक अभियंता (सिविल), स्वास्थ्य परि० मंडल (उत्तर), लो०नि०वि०, नई दिल्ली।
- 3- मै० रामा सिविल इंडिया कन्सट्रक्शन प्रा० लिमिटेड, एच-240, अशोक विहार, फेस-1, दिल्ली-110052
- 4- फाइल संख्या 23(7)



अधीक्षण अभियंता (सि०), स्वास्थ्य परि०-II