



सत्यमेव जयते

राष्ट्रीय राजधानी क्षेत्र दिल्ली सरकार  
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अधीक्षण अभियंता  
स्वास्थ्य सिविल परिमंडल-II  
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No.:23(Inspection)/अधी०अभि०स्वा०-2/लो०नि०वि०/2022-23/805H

Dated: 28-04-2022

### INSPECTION NOTE

Name of Work: Construction of New Hospital at Siraspur, New Delhi.

Agmt. No.: 01/EE/HPD(North)/PWD/2020-21

The above work was inspected on 27-04-2022 by the undersigned in the presence of following:

1. PWD:

- (i) Er. D.K. Shukla, EE, HPD (North)
- (ii) Er. Vijay Kumar, AE(C)

2. Agency (M/s. Ramacivil India Construction Pvt. Ltd.):

- (i) Sh. Rajesh Deepak, Vice President.
- (ii) Sh. Arun Verma, General Manager

3. Consultant:

- (i) Ms. Archana, Architect (M/s. Design Associates Inc.)

4. TPQA

Sh. Ranjeet Verma

The RCC work in the STP, ETP and ESS Slabs, 8<sup>th</sup> floor slab of main block, foundation for the C1 Block, Block work, Gypsum Plaster, Sanitary Work etc. was in progress. The progress of work is very slow and only 400 labours (approximately) working at the site.

**The following points were discussed:**

1. The Gypsum plaster work was in progress and observed that bonding material was not properly applied over the RCC surface. It shall be insured for proper application of bonding material as per specifications and proper thickness of the gypsum plaster.
2. The holes in shear walls should be grouted properly with the non-shrink cementitious compound.
3. Efflorescence was observed on recently constructed walls. The agency should be directed to replace the work with moderate to heavy efflorescence and to change the source of bricks.

4. The reinforcement bars in 8<sup>th</sup> floor slab was progress and found that the main reinforcement bars were passing outside the column reinforcement. The necessary directions for passing of the main reinforcement of the beam through inside of the column reinforcement has already been given in past but being not followed at the site. This shows that neither contractor is following the structural drawings nor officials of the department are enforcing the correct placement of the reinforcement. The necessary corrections in the reinforcement to be get done by the Executive Engineer before casting of the slab.
5. During the last visit, the representative of the agency assured that the RCC work of STP, ETP & ESS slab will be completed by 31/03/2022 but the work is still not completed. The representative of the agency, again assured to complete the RCC work of STP, ETP, WTP etc. by 20/05/2022. The EE should ensure and properly monitor the work.
6. At some places, the reinforced cement concrete is honey combed particularly at bottom of column / beams & side of column due to gaps / leakage of slurry in the shuttering. All these honeycombed parts of RCC should be avoided by sealing gaps in shuttering. It should be attended by fixing GI pipes and pumping cement slurry mixed with water proofing compound by the contractor at their own cost. The UPV and rebound hammer tests to be conducted as per agreement conditions in these honeycombed concrete to ascertain the strength of concrete.
7. During the last visit, the representative of the agency assured that the casting of footing of C1 Block will be completed by 31/03/2022 and the RCC wall for the basement should be started in sequence but the work is still not completed. The Executive Engineer should monitor the progress on regular basis.
8. The complete water supply design and sanitary schemes and design should be reviewed by Executive Engineer.
9. It was seen that cleaning of aluminium plates was not properly done. Due to this undulation and honey combing observed in shear wall and columns. The shuttering plates should be used after proper cleaning. The Executive Engineer should ensure for the same.
10. It must be ensured that the register for checking of formwork and placing of reinforcement are updated regularly. It should be ensured and checked by Assistant Engineer (Civil) and Executive Engineer (Civil) on regular basis during the finalising of formwork and placing of reinforcement.
11. Executive Engineer (C) should ensure that Assistant Engineer (Civil) / Junior Engineer is present at site during pouring of entire concreting. The quality of the batch mix concrete should also be ensured by doing mandatory tests for aggregates, water, cement and admixtures regularly as per frequency prescribed in the specifications at Batch Mix Plant at site and slump test at site. The test of water should be carried out in a proper way to ensure that it is fit for use in preparing the concrete.
12. The TPQA should check formwork, placing of reinforcement and should also be present at site during concreting to check quality of concrete, its compaction etc.

13. The samples of the internal finishing like tiles, granite, sanitary installations, CP brass fittings etc. may be finalised as per schedule of finishing given by the consultant and mock up of the same may be prepared at site for finalization of the same by the consultant.
14. The work to be executed strictly as per specifications and drawings issued. The Executive Engineer should ensure for the same.

The progress of the work is very slow. The contractor may be asked to expedite the progress of the various activities by deploying more resources and finishing work also to be started simultaneously in the all floors. The labours needs to increase minimum 1000 nos. to catch up the delay.

( मनोज कुमार )

अधीक्षण अभियन्ता, स्वास्थ्य परिमंडल-2

प्रतिलिपि:

1. प्रधान मुख्य अभि०(परियोजनाए), लो०नि०वि०, 2रा तल, बहुमंजिला भवन, नई दिल्ली को सूचनार्थ हेतू प्रेषित।
2. कार्यपालक अभियंता (सिविल), स्वास्थ्य परि० मंडल-उत्तर, लो०नि०वि०, दिल्ली को आवश्यक कार्यवाही हेतू।
3. वर्क फाइल 23(7)



अधीक्षण अभियन्ता, स्वास्थ्य परिमंडल-2