

कार्यालय अधीक्षण अभियंता
सिविल भवन अनुरक्षण परिमंडल,
एम-43, लोक निर्माण विभाग,
11वां तल, एम.एस.ओ. भवन,
लोक निर्माण विभाग मुख्यालय,
नई दिल्ली-110002
दूरभाष: 65103943, 23490488



O/o THE SUPERINTENDING ENGINEER
CIVIL BUILDING MAINTENANCE CIRCLE, M-43,
PUBLIC WORKS DEPARTMENT
11th Floor, MSO Building, PWD Headquarter,
NEW DELHI- 110002
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INSPECTION NOTE

The following work of Delhi High Court was inspected/reviewed by the undersigned on 24.09.2014 & 1.10.14 along with Shri J.K. Goel, Executive Engineer, M-431, Shri M.L. Sharma, Assistant Engineer, CBRI (for Quality Control) the contractor & their Engineers/representatives, Consultants Architect etc.

Name of work: Redevelopment of 'C' Block at Delhi High Court, Sher Shah Suri Marg, New Delhi (SH: C/o RCC framed structure Building including water supply, sanitary & electrical installation).
Agreement No.: 25/EE/CBMD/M-431/2013-14
Agency: M/s Roshan Real Estates Pvt. Ltd., New Delhi.
The following are the observations:

Project Manager

As stipulated in Clause 36(i) page 41 of the agreement, Project Manager should have degree in Civil Engineering and he will be the Principle Technical Representative of the agency. But during discussions, it is found that Shri Vajid Khan said to be Principle Technical Representative of the agency is having only Diploma which is contrary to the agreement provisions. The contractor should engage/replace the Project Manager with qualification and experience as stipulated in the agreement, till then E.E. should make the recovery as stipulated in the agreement.

Couplers

Item No.3.5 of the Schedule of Quantities stipulates Reinforcement Couplers for Mechanical Splices of Bars for Concrete Reinforcement and since last one month Contractor is regularly being asked to arrange for Coupler but in vain. Necessary action to be initiated on agency for default on in this account.

Sand

Sand brought at site and being used in concrete is having high silt content. E.E./A.E. should check particles size distribution, specifications. Materials not conforming to the specifications should out rightly be rejected and not be allowed in work.

R.C.C.

The following defects in R.C.C. work were noticed.

- All the stirrup should have reinforcement bent of 45° as detailed in the structural drawings.
- Gap between shuttering has not been properly sealed, resulting in cement slurry is coming out of the joints.
- In raft, loose materials, lean concrete, mortar etc. have to be removed completely before pouring fresh concrete for proper water tight joints.

Curing

- The date of casting of raft has not been marked to observe the curing period.

The curing is found to be insufficient. The agency has to be put wet gunny bags over R.C.C. members and these are continuously to be kept wet during curing period.

Services

Since raft and retaining wall are under construction, necessary openings for pipes (Water Supply, Sanitary etc.), cables and arrangement for anchors, holding down bolts for D.G. Set, Pump Set etc. in consultation with Electrical counterpart should be initiated in advance.

Water Proofing in Kota Stone

It is observed that some of the Kota Stone slabs were cracked and joints between the slab are also very wide. Defective portions are to be removed and re-laid with proper kota stone slab.

Progress of work

All work i.e. Anchors, (2nd Layer at D' walls), R.C.C. Casting of Raft, Retaining Wall etc. are lagging behind schedule. The agency since start of the R.C.C. Works i.e. Construction of Raft, R.C.C. Wall, after completion of soil anchors is being requested to expedite the work by engaging extra resources i.e. engaging extra labour, working round the clock in 3 shifts, deploying extra T&P i.e. Centring and Shuttering, vibrators, cutter etc. to push up the work so that the work can be completed by target date i.e. 20.04.2015. It is found that the contractor is not engaging extra resources resulting progress is very slow and at this pace, work cannot be completed in next one year. The contractor was advised to engage extra resources, expedite the work, otherwise necessary action as per terms and conditions of the agreement will be initiated against him and he will be responsible for delay in work as there is no hindrance from the department side.

Consultant Architect

Structural Consultant/designer did not attend the meeting to clarify the minor doubts in structural drawings, in spite of message in advance and viewed seriously.

अभियंता
(एस0 के0 अग्रवाल)
अधीक्षण अभियन्ता
4/10/2014

संख्या: 23(247)/(सी.ब्लॉक)/सि0भ0अनु0परि0/एम-43/2014-15/ 1996

दिनांक: 01/10/2014

प्रतिलिपि:

1. मुख्य अभियन्ता, अनुरक्षण अंचल, एम-4, लो.नि.वि., 9वां तल, एम.एस.ओ. भवन, नई दिल्ली को सूचनार्थ।
2. The Superintending Engineer (E) M-45, 13th Floor, M.S.O. Building, New Delhi. Since Raft & RCC work is in progress. It is requested that details of openings for cable, trenches, foundation details for D.G. Set, Pump set etc. which may be required at this stage, may be supplied.
3. कार्यपालक अभियन्ता, एम-431, लो.नि.वि., नई दिल्ली को सूचनार्थ एवं उपरोक्त बिन्दुओं पर कार्रवाई कर शीघ्र अनुपालन रिपोर्ट प्रस्तुत करने हेतु।
4. गार्ड फाईल।

अधीक्षण अभियन्ता
4/10/2014