



INDEXPO CERTIFICATION LIMITED

**INTEGRATED MANAGEMENT SYSTEMS
CERTIFICATION SCHEME**

**SURVEILLANCE AUDIT REPORT
ISO 9001:2008**

N & A Engineering Services (Pvt) Ltd;



REPORT OF THE TECHNICAL EXPERT

1. **NAME OF TECHNICAL EXPERT:** Mr. W W S D Jayawardena
2. **DATE OF AUDIT** : 2016-09-26 & 27
3. **TYPE OF AUDIT** : Surveillance Inspection
4. **NAME & ADDRESS OF ORGANIZATION** : N & A Engineering Services (Pvt) Ltd:
No. 81/B, Awissawella Road, Nawagamuwa,
Ranala
5. **SITES ASSESSED** :
Site 01: Capital Trust Residencies @ Colombo 05
Site 02: Proposed City Hotel @ Park Road, Colombo 05.
Site 03: Apartment Complex at Colombo 03

6. FUNCTIONS ASSESSED:

Construction of all kinds of buildings, hotels, hospitals, factories, warehouses and related civil engineering works.

7. FINDINGS (Give a brief description of the process observed detailing out the strengths and weaknesses of methods and processes against accepted practices) :

7.1 Strengths:

- Field Density tests were carried out for under floor filling works as per the relevant standards from reputed laboratories (CECB) and records are available at site.
- Regular calibrations have been carried out for Survey instruments such as Total Station, Level machines and Concrete Batching Plant.
- Concrete test cubes have been casted and tested as per the applicable BS standards Personal Protective Equipments such as safety helmets, safety boots, and gloves are used and proper scaffolding system is erected.
- Overall Quality of the construction activities are satisfactory level.
- Warranty cards are collected for handing over to client in several sites.
- Log book and CVI (Conformation of Verbal Instructions) are properly maintained in the site offices.
- Approval for rates and time extensions for most of the variation orders (VO's) have been obtained from the engineer and few VO's are pending for engineer's approval.
- Effective and efficient

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7.2 Weaknesses:

- Copy of the Testing of Concrete Cubes (BS 1881) specification, Safety Manual are not available at the site office.
- The following documents/formats are not properly maintained at Site Office
 1. Periodical Safety Inspection Report.
 2. Engineer's approval/comment.
 3. Accident Reports.
 4. Material quality controlling and approval files.
 5. Test reports of materials (Steel, Aggregate, Cement, Bricks/Blocks) except concrete test reports and electrical test reports
- Site cleaning and garbage disposal are not in satisfactory level.
- Cement, bricks and blocks are not staked in proper manner the site premises, this may cause to high wastage of materials.
- Temporary electrical wiring system for construction purposes are not safe enough. It have been observed that, uncovered panel boards and unsafe cable laying in the sites premises.
- Site stores are not sufficient space for staking various types of building materials, tools and equipments.

8. CONCLUSIONS AND RECOMMENDATIONS:

The Process is technically acceptable with the following need to be improved,

1. Relevant specifications (ICTAD building Spec), Safety manual, should be kept in each site office.
2. Experienced and skilled safety officer should be deployed in each construction site.
3. All site should be cleaned and tidy up and also proper garbage disposal system to be implemented.
4. All unsafe electrical wiring systems to be corrected, panel boards to be properly covered
5. Safety meetings and safety awareness programmes to be commenced in sites
6. Rooting calibration to be done for pressure testing equipment and gauges.
7. Other construction machineries especially tower cranes and mobile cranes to be inspected as per the applicable regulations.
8. Efficient and effective recording system to be introduced for stores by store keepers.
9. Suitable method to be implemented for reporting client feedback (satisfaction / dissatisfaction) and comments in whole activities conducted by the contractor.


Signature of Technical Expert

2016-09-27
Date

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