

Amendment-I

Name of work: Geo- technical (Soil) investigation at National Institute of Health & Family Welfare (NIHFW) at Munirka, New Delhi

The Bill of Quantities of above work is enclosed as Volume II which shall form part of tender document.

All other terms and conditions of tender remain unchanged.

General Manager (Projects)

**NATIONAL INSTITUTE OF HEALTH AND
FAMILY WELFARE**

TENDER FOR

GEO-TECHNICAL (SOIL) INVESTIGATION

FOR

**PROPOSED CONSTRUCTION OF INTERNATIONAL
HOSTEL, NATIONAL INSTITUTE OF HEALTH AND
FAMILY WELFARE, MUNIRKA, NEW DELHI**

BILL OF QUANTITIES

VOLUME-II

February' 2013

Tender No. – HSCC/NIHFW/SOIL/2013 (II)

HSCC (INDIA) LTD
(CONSULTANTS & ENGINEERS FOR MEGA HOSPITALS &
LABORATORIES)
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HSCC(INDIA) LIMITED

Name of Work- Geo-technical (Soil) investigation at National Institute of Health & Family Welfare (NIHFW) at Munirka, New Delhi

Bill Of Quantities

| S.No. | Description | Unit | Total Qty. | Rate (in Rs. Figure) | Rate (in Rs. Words) | Amount (Rs) |
|----------|---|-------|------------|----------------------|---------------------|-------------|
| 1 | Soil boring, sampling, chemical analysis and report submission | Meter | 40 | | | |
| | Boring of holes of 150mm dia. In all types of soil excluding soft and hard rock but including boulders, gravels etc. upto the depth of 30m below the existig G.L. or refusal whichever is met earlier complete in all respects. (The quoted rate shall take care of following subheads.) | | | | | |
| | (a) Conducting standard penetration test in all bore holes at intervals of 1.5 m and also at change of strata as per IS codes of practices | | | | | |
| | (b) Collecting disturbed and undisturbed samples of soil at 1.5m interval and also at change of strata from the bore-holes. | | | | | |
| | (c) Recording of water table in bore hole after completion of boring as per scope of work. | | | | | |
| | (d) Conducting necessary tests on samples collected from each hole. The laboratory tests include chemical analysis of soil and water as per scope. | | | | | |
| | (e) Collection of water samples from bore holes for chemical test and analysis. | | | | | |
| 2 | Plate Load Test | Each | 1 | | | |
| | Conducting plate load tests using 750mm x 750mm square plate. Test should be continued till 25mm settlement in normal circumstances and 50mm in special cases such dense gravel, gravel and sand mixture is obtained or failure of the soil whichever is earlier as per IS:1888 or refusal whichever is earlier | | | | | |
| 3 | Rock Sampling | Metre | 10 | | | |
| | Boring of holes of 150mm dia. Into hard rocks in case hard rock is met at a depth lesser than 30 meter below the existing G.L. or refusal whichever is met earlier complete in all respects | | | | | |

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Bill Of Quantities

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|----------|--|------|------------|----------------------|---------------------|-------------|
| 4 | Other penetration tests: | | | | | |
| | Conducting static cone penetration test as specified and in locations indicated and depth upto 10.0 m or refusal whichever is earlier | Each | 3 | | | |
| | Conducting Dynamic cone penetration test as specified and in locations indicated and depth upto 10.0m or refusal whichever is earlier. | Each | 3 | | | |
| | Conducting field density test as specified at 1.5m, 2.5m and 3.5m depth at each locations. | Each | 3 | | | |
| 5 | Conducting soil resistivity test as per IS 3043 and submission of test results as part of draft and final report. | Each | 1 | | | |
| | Total | | | | | |