

**NATIONAL INSTITUTE OF ANIMAL  
BIOTECHNOLOGY (NIAB), HYDERABAD**

**TENDER**

**FOR**

**Construction of Stone Masonry Compound Wall for  
NIAB Campus at Survey No.37, Serlingampally,  
Hyderabad**

**VOLUME – IV**

• **Tender Specification**

**&**

• **Drawings**

**January' 2013**



HSCC (INDIA) LTD.  
(CONSULTANTS & ENGINEERS FOR MEGA HOSPITALS & LABORATORIES)  
E-6(A), sector-1, NOIDA(U.P) 201301 (India)

Phone : 0120-2542436-40

Fax : 0120-2542447

**Tender No. HSCC/NIAB/HYD/BW/2013**

## TECHNICAL SPECIFICATIONS

### 1.0 GENERAL:-

- 1.01 The specifications and mode of measurements for the work shall be in accordance with C.P.W.D specifications 2009 Volumes I and II with up to date correction slips unless otherwise specified in the nomenclature of individual item or in the specifications. The entire work shall be carried out as per the C.P.W.D. specifications in force with up to date correction slips upto the date of opening of tender.
- 1.02 For the item not covered under CPWD Specifications mentioned above, the work shall be executed as per latest relevant standards/codes published by B.I.S. (formerly ISI) inclusive of all amendments issued thereto or revision thereof, if any, upto the date of opening of tenders.
- 1.03 In case of B.I.S. (formerly I.S.I) codes/specifications are not available, the decision of the Engineer based on acceptable sound engineering practice and local usage shall be final and binding on the contractor.
- 1.04 However, in the event of any discrepancy in the description of any item as given in the schedule of quantities or specifications appended with the tender and the specifications relating to the relevant item as per CPWD specifications mentioned above, or in drawings the former shall prevail.
- 1.05 The work shall be carried out in accordance with the enclosed drawings etc. The drawings shall have to be properly co-related before executing the work. In case of any difference noticed between the drawings, final decision, in writing of the Engineer shall be obtained by the contractor. For items, where so required, samples shall be prepared before starting the particular items of work for prior approval of the Engineer and nothing extra shall be payable on this account.
- 1.06 All materials to be used on works shall bear I.S. certification mark unless specifically permitted otherwise in writing. In case I.S. marked materials are not available (not produced), the materials used shall conform to I.S. Code or CPWD specifications, as applicable in this contract.

In such cases the Engineer shall satisfy himself about the quality of such materials and give his approval in writing. Only articles classified as "First Quality" by the manufacturers shall be used unless otherwise specified. All materials shall be tested as per provisions of the Mandatory Tests in CPWD specifications and the relevant IS specifications. The Engineer may relax the condition regarding testing if the quantity of materials required for the work is small. Proper proof of procurement of materials from authentic manufacturers shall be provided by the contractor to the satisfaction of Engineer. Grade of cement used shall be OPC 43 Grade unless otherwise specified explicitly.

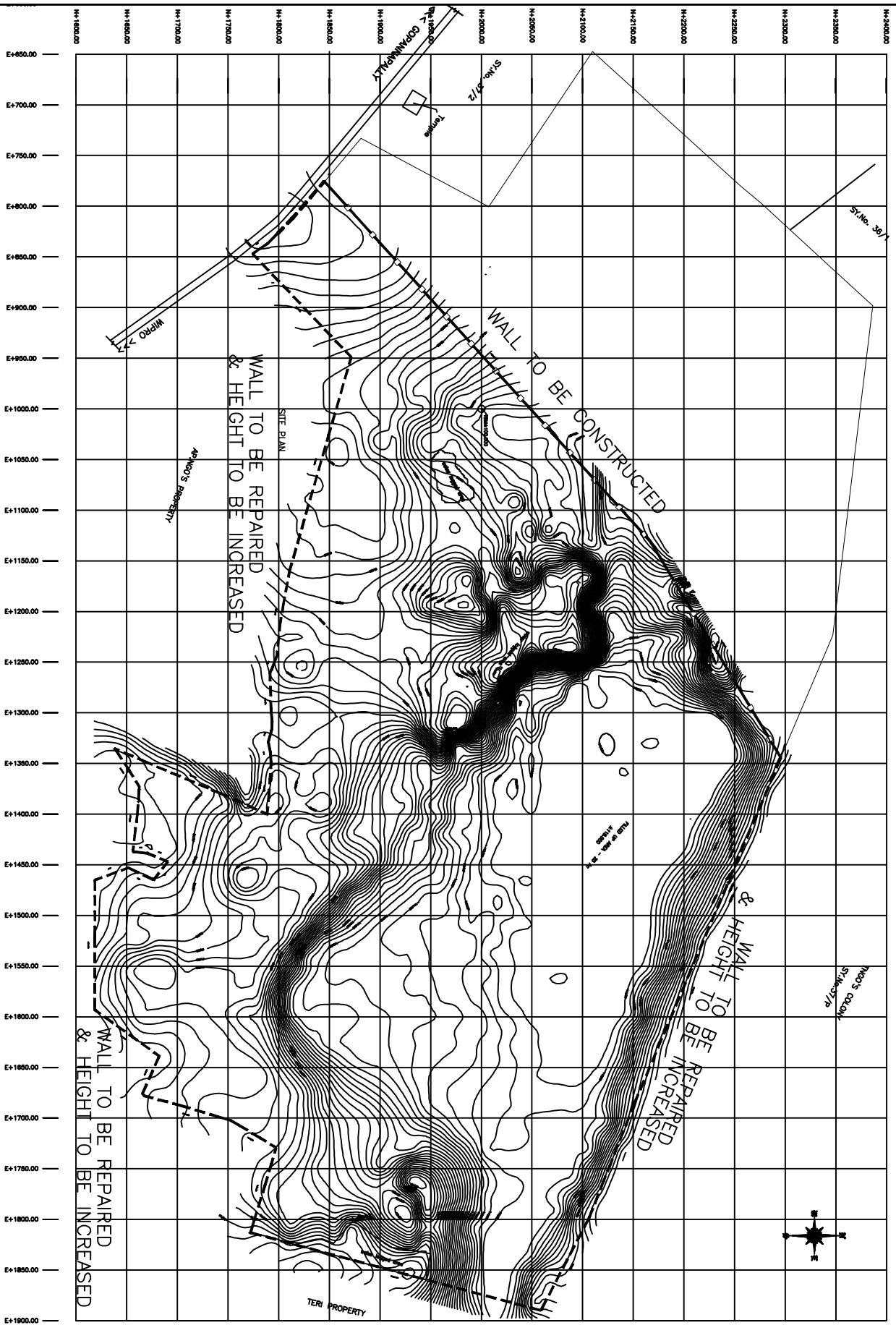
- 1.07 In respect of the work of the sub-agencies deployed for doing other works at site for this project, the contractor shall afford necessary coordination and facilities for the same. The contractor shall leave such necessary holes, openings, etc. for laying / burrying in the work pipes, cables, conduits, clamps, boxes and hooks etc. as may be required for which nothing extra over the agreement rates shall be paid for the same.

- 1.08 Unless otherwise specified in the bill of quantities, the rates for all items of work shall be considered as inclusive of pumping out or bailing out water if required for which no extra payment will be made. This will include water encountered from any source such as rains, floods, or due to any other cause whatsoever.
- 1.09 Any cement slurry added over base surface (or) for continuation of concreting for bond if added, its cost is deemed to have inbuilt in the item unless otherwise/explicitly stated and nothing extra shall be payable or extra cement considered with consumption on this account.
- 1.10 The rate for all items in which the use of cement is involved is inclusive of charges for curing.
- 1.11 The contractor shall clear the site thoroughly of all scaffolding materials and rubbish etc. left out of his work and dress the site on either sides of the wall to the satisfaction of the Engineer before the work is considered as complete.
- 1.12 Rates for plastering work shall include for making grooves, bands etc. wherever required and nothing extra shall be paid for the same.
- 1.13 The rates quoted for all stone/concrete work shall be deemed to include making openings and making good these with the same specifications as shown in drawings and/or as directed. No extra payment shall be made to the contractor on this account.
- 1.14 Rates for all concrete/plaster work shall include for making drip course moulding, grooves etc. wherever required and nothing extra shall be paid for the same.
- 1.15 The drawing(s) attached with the tender documents are for the purpose of giving the tenderer a general idea of the nature and the extent of works to be executed. The rates quoted by the tenderer shall be deemed to be for the execution of works taking into account the "Design Aspect" of the items and in accordance with the "Construction Drawings" to be supplied to the Contractor during execution of the works.
- 1.16 The quoted rate shall be for finished items and shall be complete in all respects including the cost of all materials, labour, tools & plants, machinery etc., all taxes, duties, levies, octroi, royalty charges, statutory levies etc. applicable from time to time and any other item required but not mentioned here involved in the operations described above. The client/OWNER/Employer shall not be supplying any material, labour, plant etc. unless explicitly mentioned so.
- 1.17 On account of security consideration, there might be some restrictions on the working hours, movement of vehicles for transportation of materials and location of labour camp. The contractor shall be bound to follow all such restrictions and adjust the programme for execution of work accordingly.
- 1.18 Stacking of materials and excavated earth including its disposal shall be done as per the directions of the Engineer-in-Charge. Double handling of materials or excavated earth if required shall have to be done by the contractor at his own cost.

# Tender Drawing

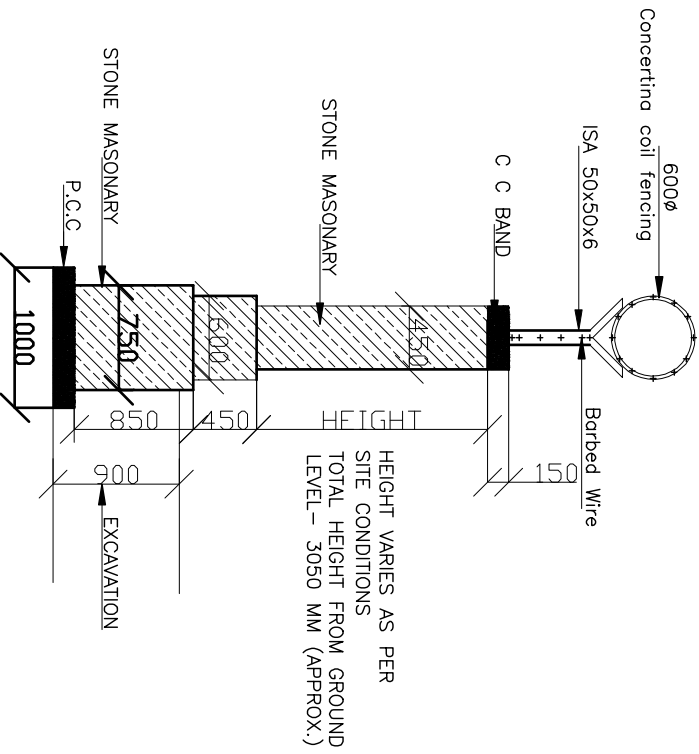
# LEGEND

- WALL TO BE REPAIRED & HEIGHT TO BE INCREASED
- WALL TO BE CONSTRUCTED PROPOSED NEW WALL



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<b>PROJECT</b>	
NAB, HYDERABAD BOUNDARY WALL	
<b>TITLE</b>	
SITE PLAN	
NAB, HYDERABAD	
Boundary Drawing	
Drawing No. HSCC/10/3/7/01 Scale: 1:5000 Date: 12-1-2015 Author: [Blank] Rev. By: [Blank] Date: [Blank]	



# SECTION OF WALL

NOTE-ALL DIMENSION ARE IN MM.

This drawing shall be the property of the Engineer and shall not be used for any other purpose without the written consent of the Engineer. The Engineer shall not be responsible for any errors or omissions in this drawing.

REVISIONS

NO.	DATE	DESCRIPTION

PROJECT

**NAB, HYDERABAD**  
**BOUNDARY WALL**

TITLE

**SECTION OF WALL**  
**NAB, HYDERABAD**  
**Tender Drawing**

Drawn by	BRG/MLB/TV/V/02	Rev.	01
Checked by	1150	Date	12/11-2015
Scale	1:50	Sheet	01/01
Appr. by	Rev. by	Proj. by	

