

National Institute of Unani Medicine , Kottegalapalaya, Bangalore

Tender

For

Supply, installation, testing & commissioning of Furniture for Auditorium & other miscellaneous works including minor civil, electrical, PHE works etc. for NIUM, Kottegalapalaya, Bangalore

Volume-V

Tender Drawings

OCTOBER 2013

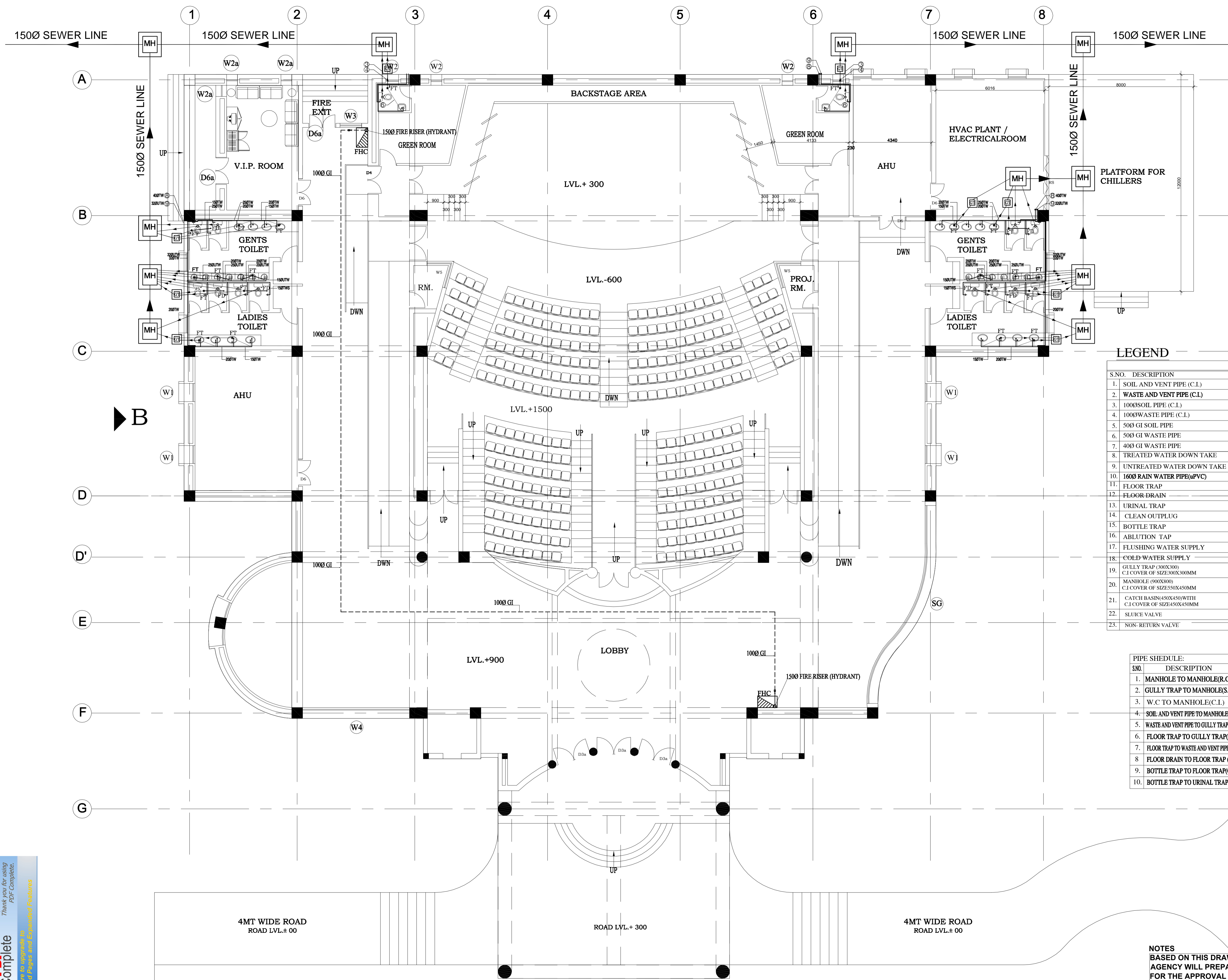


HSCC (INDIA) LTD.
(CONSULTANTS & ENGINEERS FOR MEGA HOSPITALS & LABORATORIES)
E-6(A), sector-1, NOIDA(U.P) 201301 (India)

Phone : 0120-2542436-40

Fax : 0120-2542447

PQ tender No. HSCC/NIUM-Fur/2013



NOTES

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- FIGURED DIMENSIONS SHALL BE FOLLOWED. ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED BEFORE COMMENCEMENT OF THE WORK.
- DISCREPANCY IF ANY, SHALL BE BROUGHT TO THE NOTICE OF ED (ARCH./DAE./DOM/DAE) AND CLARIFICATIONS SHALL BE OBTAINED IN WRITING PRIOR TO EXECUTION OF WORK.
- THE WORK SHALL BE EXECUTED STRICTLY BASED ON LATEST REVISION OF C.P.W.D. SPECIFICATIONS AND RELEVANT I.S. CODES.
- THE SHOP DRAWINGS OF PLUMBING/FIRE-FIGHTING WORK SHALL BE PREPARED BY EXECUTING AGENCY FOR CLIENT APPROVAL.
- SOIL & WASTE PIPE**
 - ALL PIPES TO BE TESTED BY FILLING UP WITH WATER BEFORE FINING.
 - ALL PIPES UP TO THE NEAREST GT/MANHOLE TO BE ENCASED IN CEMENT CONG:1:2+ MIX 75 MM ALROUND.
 - G.I./PVC WASTE PIPES TO BE CONNECTED TO FLOOR TRAP THROUGH INLET CONNECTION/GI EXTENSION PIECE.
 - ALL TRAPS TO BE DEEP SEAL TYPE WITH MINIMUM SEAL OF 50 MM.
 - ALL TRAPS TO BE EMBEDDED IN C.CONC BLOCK 300x300MM TO FULL DEPTH OF THE TRAP.
 - ALL SOIL & WASTE STACKS SHALL HAVE ACCESS DOOR WHEREVER HORIZONTAL SOIL & WASTE PIPES ARE CONNECTED TO RELATED STACK.
 - 150MM/200MM PVC PIPE SLEEVE SHALL BE PROVIDED IN BEAMS TO CONNECT WASTE & SOIL PIPE WHEREVER IT CROSS THE RCC BEAMS /COLUMNS.
 - TOILET, KITCHEN/WET AREA SHALL BE SUNKEN TO 450/200MM TO ACCOMMODATE THE SANITARY FIXTURES AND OUTER BEAM & SHAFT SHALL BE PLACED DOWNWARDS.
 - WHERE THE SUNKEN SLAB IS NOT PROVIDED THE WASTE & SOIL PIPE WILL BE LAID ALONG THE LOWER FLOOR SLAB WITH CLEAN OUT PLUG WITH GI TRAY WITH DIRECTLY OUTSIDE BUILDING.
- DRAINAGE**
 - ALL DRAINAGE PIPES SHALL BE ENCASED IN 150 MM C.CONC:1:5 TO MIX.
 - INSPECTION CHAMBER(MH) TO BE 900x800 MM WITH MINIMUM DEPTH OF 600 MM AND MH COVER FRAME BROUGHT TO SURFACE LVL.
 - GROUND FLOOR FIXTURES ARE DIRECTLY CONNECTED TO GT/MH WITH PROVISION OF DOOR BEND.
- WATER SUPPLY**
 - WATER SUPPLY SHALL BE DIRECT FROM TERRACE.
 - ALL PIPES IN CHASES TO BE ANCHORED WITH IRON HOOPS AT 1.5M INTERVALS. VERTICAL PIPES TO BE FIXED WITH GI HOLDER BAR CLAMPS AT 2.4M INTERVALS.
 - ALL PIPES IN CHASES AND BELOW GROUND TO BE PAINTED WITH BITUMEN PAINT AND EXPOSED PIPES TO BE PAINTED WITH OIL PAINT OF APPROVED SHADE.
 - ALL PIPES TO BE TESTED TO 7 KG./CM² (100 PSI) HYDROSTATIC PRESSURE FOR ATLEAST 2 HRS.
 - HOT WATER SUPPLY SHALL BE PROPERLY INSULATED.

LEGEND

S.NO.	DESCRIPTION	SIMBAL
1.	SOIL AND VENT PIPE (C.I.)	①
2.	WASTE AND VENT PIPE (C.I.)	②
3.	1000SOIL PIPE (C.I.)	③
4.	1000WASTE PIPE (C.I.)	④
5.	500 GI SOIL PIPE	⑤
6.	500 GI WASTE PIPE	⑥
7.	400 GI WASTE PIPE	⑦
8.	TREATED WATER DOWN TAKE	⑧
9.	UNTREATED WATER DOWN TAKE	⑨
10.	1600 RAIN WATER PIPE(uPVC)	⑩
11.	FLOOR TRAP	FT
12.	FLOOR DRAIN	FD
13.	URINAL TRAP	UT
14.	CLEAN OUTPLUG	COP
15.	BOTTLE TRAP	BT
16.	ABLUTION TAP	AT
17.	FLUSHING WATER SUPPLY	—
18.	COLD WATER SUPPLY	—
19.	GULLY TRAP (900X300) C.I COVER OF SIZE 300X300MM	□GT
20.	MANHOLE (900X300) C.I COVER OF SIZE 550X450MM	□MH
21.	CATCH BASIN (450X450) WITH C.I COVER OF SIZE 450X450MM	□CB
22.	SLUICE VALVE	⊗
23.	NON- RETURN VALVE	⊗

PIPE SCHEDULE:

S.NO.	DESCRIPTION	SIMBAL
1.	MANHOLE TO MANHOLE(R.C.C.)	1500Ø
2.	GULLY TRAP TO MANHOLE(S.W.)	1000Ø
3.	W.C TO MANHOLE(C.I.)	1000Ø
4.	SOIL AND VENT PIPE TO MANHOLE(CI)	1000Ø
5.	WASTE AND VENT PIPE TO GULLY TRAP(CI)	1000Ø
6.	FLOOR TRAP TO GULLY TRAP(CI)	1000Ø
7.	FLOOR TRAP TO WASTE AND VENT PIPE(CI)	1000Ø
8.	FLOOR DRAIN TO FLOOR TRAP (G.I.)	50 Ø
9.	BOTTLE TRAP TO FLOOR TRAP(G.I.)	32 Ø
10.	BOTTLE TRAP TO URINAL TRAP(G.I.)	40 Ø

R2 | 31-05-12 | Drawing revised to accommodate AHU, HVAC Plant Rm & Platform for chillers.

No. | Date | Description

REVISION

PROJECT

National Institute of Unani Medicine at Bangalore

TITLE

WORKING DRAWING

AUDITORIUM

GROUND FLOOR PLAN

HSCC/112C/004/WJ/AUDI.-PHASE 3/PL-001/R2

DRAWING NO.	SCALE	REV.
HSCC/112c	1:100	JUN.2012
JOB NO.	SCALE	DATE

R.TYAGI	R.SUR	S.BHATT
App by.	Rev. by	Prep. by

HSCC
(A GOVERNMENT OF INDIA ENTERPRISE)

NOTES
BASED ON THIS DRAWING EXECUTING AGENCY WILL PREPARE SHOP DRAWING FOR THE APPROVAL OF HSCC