

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES,
ANSARI NAGAR, NEW DELHI**

Dated: 21.07.2014

AMENDMENT No. – II

Project Name: Construction of Residential Complex for National Cancer Institute including Associated Services and Operation & Maintenance during Defect Liability Period at Badsha, Jhajjar, Haryana

TENDER NO.: HSCC/NCI-Jhajjar/Hous/2014; Dated: 20.06.2014

Reply to Pre Bid Queries raised by bidders during pre -bid meeting held on 01.07.2014 at HSCC, Head Office, Noida

Sl. No	Description / Cl. No. / Item No.	Queries	Reply
1	soil investigation report	request to provide the soil investigation report	Bidders advised to visit site to acquaint himself with the site conditions, soil conditions, water quality & conditions and surroundings and collect all information that will be necessary for preparing the bid and entering into contract.
2	layout plan	request to provide the master layout plan- earmarking the proposed building in order to plan the temporary facilities like batching plant, labour colony, steel yard etc.	Has been uploaded as Annex I
3	building wise buildup area statement	request you to provide building wise buildup area statement	Please refer tender drawings.
4	advance payment deleted	We request you to pay us interest free mobilization advance in single	Tender conditions shall prevail.

		installment @ 10% of contract value against bank guarantee of equivalent amount.	
5	advance payment deleted	We request you to pay interest free advance towards plant & machineries @ 90% of cost of plant & machinery (new purchase cost or residual value, as the case maybe) subject to a maximum of 5% of contract value) against bank guarantee of equivalent amount subject to maximum of 5% of contract value) against bank guarantee of equivalent amount	Tender conditions shall prevail.
6	Service Tax	Being it is a Govt project, kindly confirm whether Service tax is applicable or not	Service tax is not applicable.
7	Payment against each monthly R/A bills upon each of the Engineer's certificate shall be made by the HSCC(I) Ltd. Acting for and on behalf of employer or by the employer directly within 30 days after such certificate has been issued by the engineer of the payment due against the monthly running bill shall be paid after certification by the engineer in the approved format and complete in all respects	We request you to consider that the certification of R/A bills will be done within 10 days from the date of submission of the monthly R/A bill	Tender conditions shall prevail.

8	with in 15 days of award of work, the contract shall furnish a bank guarantee from any Nationalised/ Scheduled bank for an amount of 2.5%(two & half) of the contract price in the form approved by the engineer and having validity upto completion period with a claim period of three months as per format attached at Annexure F. Further retention money @ 5% (five) shall be deducted from each interim certificate from first RA bill subject to maximum of 2.5% of contract value	Request you to consider retention as 5% of the contract price in the form of bank Guarantee and having validity till completion of the project	Tender conditions shall prevail.
9	1.5% of contract price per month of delay 10% of contract price	We request to consider the compensation for delay as 0.25% of contract price for unfinished works and maximum limit of 5%	Tender conditions shall prevail.
10	The contractor shall make his own arrangement at his own expense for labour camp/ accommodation of his labour and staff and their conveyance to site as no workers/ staff shall unless with the specific approval of the engineer be allowed to stay within the site.	We request to provide the land for labour colony at free of cost	Tender conditions shall prevail.
11	The contractor shall make his own arrangement.	We request to provide the power at free of cost in one point at site.	Contractor shall arrange own water of good quality as per requirement & electricity for construction and human consumption as already stipulated in tender conditions.

12	Bore well	Please confirm whether bore well can be digged at site	Subject to obtaining statutory approvals by contractor from concerned authorities. Water quantity to meet the requirement.
13	A reasonably furnished site office accommodation having a sample room , A.C meeting room, A.C staff rooms along with toilets & pantry with file storage facility along with computers..	we request to provide the built up area of temporary site office accommodation for engineer.	Not less than 120 sqm for the office executed excluding site laboratory, sample room.
14	Basic price for flooring materials	We request to provide basic rate for all flooring, filling materials	As per BOQ
15	Land and Batching Plant and site infrastructure	We understand from the civil BOQ, that the major quantities of concrete shall be batch mixed concrete. We presume that the land required for setting up batching plant inside the project site at free of cost, kindly confirm.	As per Tender conditions.
16	White vitreous china Orissa pattern w.c pan of size 580*440 mm with integral type foot rests.	Kohler, Roca, American Standard, TOTO are provided as approved brand. None of these brands does not manufacture the Orissa pattern w.c pan/ pedestal type water closet. Please provide the revised makes to suit this specification.	Paryware, somany, Cera does manufacture the Orissa pattern w.c pan/ pedestal type water closet.
17	china pedestal type water closet (European type w.c pan) with seat and lit , 10 litre low level white P.V.C flushing cistern,	Kohler, Roca, American Standard, TOTO are provided as approved brand. None of these brands does not manufacture the Orissa pattern w.c pan/ pedestal type water closet. Please provide the revised makes to suit this specification.	Kohler, Roca, American Standard, does manufacture china pedestal type water closet (European type w.c pan)
18	External water supply	kindly provide us the PPR pipe makes	Kitec, jindal, Suprime
19	submersible borewell pump	kindly provide us the makes	GRUNDFOS, KSB, CRI,CG
20	water treatment plant(/domestic use)	kindly provide us the inlet raw water characteristics & out let water quality parameter	As per Specification / BOQ

21	WTP pumps (Filter feed, softener, treated water & raw water pumps)	kindly provide us the makes	GRUNDFOS, KSB, CRI,CG
22	Domestic water, submersible drainage	kindly provide us the makes	GRUNDFOS, KSB, CRI,CG
23	The Contractor shall submit samples of items such as grills/ diffusers , valves, control and / or any other parts or equipment as required by the engineer for prior approval in writing before placing the order. The contractor shall also construct prototype or samples of work as laid down in the contract or as instructed by the engineer, such samples and prototypes after approval shall be retained by the engineer and shall serve as the standards to be achieved in final construction.	samples shall be submitted for the HVAC visible items inside the conditions space like grills& diffusers, pre-moulded pipe section & control wires only. Please confirm.	All the Samples shall have prior approval form HSCC.
24	In addition to the above testing , final performance and capacity test shall be carried out on the equipment as per the " Testing Schedules" during the defects liability period as follows: a. Peak summer/ monsoon test during the period from 15th may to 31st July. The installations should be able to maintain the specified inside conditions within the	Testing shall be done once at the time of commissioning of the system. Please confirm.	As per tender condtions.

	tolerance limits permitted in the contract. b. peak winter test during the period from 1st December to 15th February. The installations should be able to maintain the specified inside conditions within the tolerance limits permitted in the contract.		
25	GSS Ducting	Please confirm the ducts to be Factory Fabricated type or site Fabricated type.	As per BOQ.
26	Operation & Maintenance Period : During Defects liability Period, i.e 12 months	Separate line item for furnishing operation and maintenance cost is not available in the tender BOQ. Request you to kindly provide the same.	Already provided in the BOQ.
27	Single line diagram (SLD) layout is not available in the tender documents. Request you to kindly provide the same		SLD will be available to successful bidder.
28	Electrical floor layout is not available in the tender documents. Request you to kindly provide the same.		Electrical layout drawings are available in tender.
29	Electrical bus duct routing layout is not available in the tender documents. Request you to kindly provide the same		As per actual site conditions.
30	Bill of Quantities available in "pdf" format only. Request you to kindly provide the Bill of quantities in "Excel" format for our working purpose		As per tender conditions.

31	<p>Apparatus forming part of the main/sub panels shall have the following minimum clearances.</p> <p>1. Between phases- 32 mm ii. Between phases and neutral - 26mm iii. Between phases and earth- 26 mm iv. Between neutral and earth - 26mm</p>	<p>Minimum clearance between phase to phase will be 25mm and that between phase to neutral/ earth will be 19mm as per type test arrangements and as per standards practice of approved panel manufacturers.</p> <p>Request you to kindly confirm the same</p>	As per specifications.
32	<p>The Main/Sub Panels shall be designed that the cables are not directly terminated on the terminals of breaker etc. but on cable termination links</p>	<p>As per the standard practice of approved panel manufacturers rigid connection are being used for feeders above 160 A, 160 A & below rating cables shall be used.</p> <p>Request you to kindly confirm the same</p>	As per standard practice of panel manufacturer.
33	<p>5.1.8 Testing</p> <p>Testing of each circuit breaker shall be carried out at the works as per IS 2516 and the original test certificate shall be furnished in triplicate. The test shall incorporate at least the following.</p> <p>i. Impulse withstand test. ii. Power frequency withstand test. iii. Short circuit test. iv. Temperature - rise test under rated conditions.</p>	<p>Only test certificate of similar rating ACBs from approved OEM shall be submitted for approval. Please confirm</p>	Test certificate of the OEM will be accepted.
34	<p>i) Supply, Installation, testing and commissioning of 4000 phase neutral, 415 V, 3 Phase, 4 Wire, sandwich construction Aluminium Bus</p>	<p>Request you to kindly confirm indoor (OR) outdoor type bus duct to be considered for this line item.</p>	As per actual site conditions.

	<p>Duct including bends , flexible joints, earth bus(2 runs of 32*6 aluminum strips), supports for installation, supporting arrangements , etc. outdoor duty type complete as per technical specification and as requirement.</p> <p>Note- for outdoor installation canopy will be mounted on bus duct for protection.</p>		
35	<p>i) Supply, Installation, testing and commissioning of 4000 phase and neutral, 415 V, 3 Phase, 4 Wire, sandwich construction Aluminium Bus Duct including bends , flexible joints, earth bus(2 runs of 32x6 aluminum strips), supports for installation, supporting arrangements, etc. outdoor duty type complete as per technical specification and as requirement.</p> <p>Note- for outdoor installation canopy will be mounted on bus duct for protection.</p>	<p>Request you to kindly specify the number of bends, end terminations & end flexible joints to considered for this line item.</p>	<p>As per actual site conditions.</p>
36	<p>i) Supply, Installation, testing and commissioning of 2500 phase and neutral, 415 V, 3 Phase, 4 Wire, sandwich construction Aluminium Bus Duct including bends , flexible joints, earth bus(2 runs of 32x6 aluminum strips), supports for</p>	<p>Request you to kindly confirm indoor (OR) outdoor type bus duct to be considered for this line item.</p>	<p>As per actual site conditions.</p>

	<p>installation, supporting arrangements, etc. outdoor duty type complete as per technical specification and as requirement.</p> <p>Note- for outdoor installation canopy will be mounted on bus duct for protection.</p>		
37	<p>i) Supply, Installation, testing and commissioning of 2500 phase and neutral, 415 V, 3 Phase, 4 Wire, sandwich construction Aluminium Bus Duct including bends , flexible joints, earth bus(2 runs of 32x6 aluminum strips), supports for installation, supporting arrangements, etc. outdoor duty type complete as per technical specification and as requirement.</p> <p>Note- for outdoor installation canopy will be mounted on bus duct for protection.</p>	<p>Request you to kindly specify the number of bends, end terminations & end flexible joints to considered for this line item.</p>	<p>As per actual site conditions.</p>
38	<p>iii) Supply, Installation, testing and commissioning of 2000 phase and neutral, 415 V, 3 Phase, 4 Wire, sandwich construction Aluminium Bus Duct including bends , flexible joints, earth bus(2 runs of 32x6 aluminum strips), supports for installation, supporting arrangements, etc. outdoor duty type complete as per</p>	<p>Request you to kindly confirm indoor (OR) outdoor type bus duct to be considered for this line item.</p>	<p>As per actual site conditions.</p>

	<p>technical specification and as requirement. Note- for outdoor installation canopy will be mounted on bus duct for protection.</p>		
39	<p>iii) Supply, Installation, testing and commissioning of 2000 phase and neutral, 415 V, 3 Phase, 4 Wire, sandwich construction Aluminium Bus Duct including bends , flexible joints, earth bus(2 runs of 32x6 aluminum strips), supports for installation, supporting arrangements, etc. outdoor duty type complete as per technical specification and as requirement. Note- for outdoor installation canopy will be mounted on bus duct for protection.</p>	<p>Request you to kindly specify the number of bends, end terminations & end flexible joints to considered for this line item.</p>	<p>As per actual site conditions.</p>
40	<p>Supply, installation, testing and commissioning of sound proof (Silent type) Diesel Generation set having 380KVA Prime Power Ratings, 415 volt at 1500 RPM, 0.8 power factor suitable for 50 Hz, 3 phase system, suitable bhp, water cooled radiator type diesel engine- alternator set mounted on common base</p>	<p>Request you to kindly furnish the stach structure details required for this project for working on the cost for DG Exhaust System.</p>	<p>As per actual site conditions & CPCB/ state PCB norms.</p>

	frame, return fuel cooler, battery & battery charger , Anti Vibration mounting pads, Engine alternator safeties, electronic governor including all accessories, their wiring and control cable between DG set and panel etc.		
41	Supply, installation, testing and commissioning of sound proof (Silent type) Diesel Generation set having 250KVA Prime Power Ratings, 415 volt at 1500 RPM, 0.8 power factor suitable for 50 Hz, 3 phase system, suitable bhp, water cooled radiator type diesel engine- alternator set mounted on common base frame, return fuel cooler, battery & battery charger , Anti Vibration mounting pads, Engine alternator safeties, electronic governor including all accessories, their wiring and control cable between DG set and panel etc.	Request you to kindly furnish the stach structure details required for this project for working on the cost for DG Exhaust System.	As per actual site conditions & CPCB/ state PCB norms.
42	Point wiring as mentioned above Group A- Quantity 14520 Points are specified in Group A points	Request you to kindly confirm the average length to be considered for this line item	As per tender drawings.

43	Point wiring as mentioned above Group B- Quantity 14490 Points are specified in Group B points	Request you to kindly confirm the average length to be considered for this line item	As per tender drawings.
44	Wiring for twin control light points as mentioned above-Quantity 1538 points are specified as twin control light points	Request you to kindly confirm the average length to be considered for this line item	As per tender drawings.
45	i) 1XTL-5 28 watt box type fluorescent light fixture with reflector (Philips TMS 122M 1XTL5 28 W EBT or approved equivalent) (136b/136w)	Request you to kindly provide the models numbers of all equivalent approved makes .	As per tender.
46	ii) 1x28 watt box type fluorescent light fixture (Philips Miroлта Alim T5 TMS540 HF or approved equivalent) (136bw)	Request you to kindly provide the models numbers of all equivalent approved makes .	As per tender.
47	iii) 1x28 watt box type fluorescent light fixture (Philips Miroлта Alim T5 TMS540 HF or approved equivalent) (136bw)	Request you to kindly provide the models numbers of all equivalent approved makes .	As per tender.
48	iv) 2X TL-5 28 watt Surface Mounted flourscent light fixture (Philips TCS 150 2XTL- 5-28 W MI EBT or approved equivalent). (236 SMO1)	Request you to kindly provide the models numbers of all equivalent approved makes .	As per tender.
49	v) 1X36 watt Surface Mounted flourscent light fixture with opal acrylic diffuser (Philips TCS019 1XTL-D36W EBT or approved equivalent). (136AC1)	Request you to kindly provide the models numbers of all equivalent approved makes .	As per tender.

50	vi) 2X36 watt Surface Mounted flourscent light fixture with opal acrylic diffuser (Philips TCS019 2XTL-D36W EBT or approved equivalent). (236AC1)	Request you to kindly provide the models numbers of all equivalent approved makes .	As per tender.
51	v) 1X36 watt Surface / Recess Mounted flourscent light fixture (Philips TCS 306 1XTL-36W EBE or approved equivalent). (136SMO1)	Request you to kindly provide the models numbers of all equivalent approved makes .	As per tender.
52	i) 1X9 watt Bulk Head light fixture (Philips FXC 101 1XPL-S/2P11 W AC GR or approved equivalent) BH	Request you to kindly provide the models numbers of all equivalent approved makes .	As per tender.
53	II) 2X18 watt mirror top with frosted glass (Decon 05CA or approved equivalent) (W toilet)	Request you to kindly provide the models numbers of all equivalent approved makes .	As per tender.
54	III) Surface mounted Battern holder (Plastic) with 13 watt CFL	Request you to kindly provide the models numbers of all equivalent approved makes .	As per tender.
55	IV) 1X18 W wall bracket with frosted glass (Decon: PL-18 W 05OQ or approved equivalent)	Request you to kindly provide the models numbers of all equivalent approved makes .	As per tender.
56	v) 2X18 watt surface mounted down light frosted glass (DECON:PL-2X18 W 03NBS 01 or approved equivalent) (DL0)	Request you to kindly provide the models numbers of all equivalent approved makes .	As per tender.

57	vi) 2X18 watt surface mounted down light frosted glass (DECON:PL-2X18 W 03NBS 01 or approved equivalent) (DL1)	Request you to kindly provide the models numbers of all equivalent approved makes .	As per tender.
58	VII)2X9 W recessed flush mounted light fixture (Anchor 92586 or approved equivalent) (NLWM)	Request you to kindly provide the models numbers of all equivalent approved makes .	As per tender.
59	Design, manufacture, supply, installation, testing and commissioning of following 16 passenger (1088 kg) lift, serving different floors in the lift shaft including machine room at top. Lift should be Gear less with speed of 1MPS The lift should be as per detailed specification / drawing enclosed as required and as under: -Travel: As per architectural drawing. i) Floors : G+1, (2 Stops& 2 openings)	Architectural drawings are not available in the tender documents. Request you to kindly specify the travel distance to be considered for this line item.	As per architectural drawings.
60	Design, manufacture, supply, installation, testing and commissioning of following 8 passenger (544 kg) lift, serving different floors in the lift shaft including machine room at top. Lift should be Gear less with speed of 1.75 MPS The lift should be as per detailed specification / drawing	Architectural drawings are not available in the tender documents. Request you to kindly specify the travel distance to be considered for this line item.	As per architectural drawings.

	<p>enclosed as required and as under: -Travel: As per architectural drawing. i) Floors : G+14, (15 Stops& 15 openings)</p>		
61	<p>Design, manufacture, supply, installation, testing and commissioning of following 8 passenger (544 kg) lift, serving different floors in the lift shaft including machine room at top. Lift should be Gear less with speed of 1.75 MPS The lift should be as per detailed specification / drawing enclosed as required and as under: -Travel: As per architectural drawing. i) Floors : G+8, (9 Stops& 9 openings)</p>	<p>Architectural drawings are not available in the tender documents. Request you to kindly specify the travel distance to be considered for this line item.</p>	<p>As per architectural drawings.</p>
62	<p>Design, manufacture, supply, installation, testing and commissioning of following 8 passenger (544 kg) lift, serving different floors in the lift shaft including machine room at top. Lift should be Gear less with speed of 1.75 MPS The lift should be as per detailed specification / drawing</p>	<p>Architectural drawings are not available in the tender documents. Request you to kindly specify the travel distance to be considered for this line item.</p>	<p>As per architectural drawings.</p>

	<p>enclosed as required and as under: -Travel: As per architectural drawing. i) Floors : G+7, (8 Stops& 8 openings)</p>		
63	<p>17.09 HIGH MAST LIGHT Supply, Installation, Testing and commissioning of 20 M High Masts with following:</p> <p>20 Mrt High mast, material of construction as per IS 5986/ BSEN 10025.</p> <p>Whereas in specification, Vol 04 techspec page No SPEC Page E-91 R0 it is mentioned as "the High mast shall be of 16 mtrs high the vendor shall be capable of every aspects of project design from engineering and manufacturing to construction and installation."</p>	<p>20 Mrt high mast lights are specified in BOQ whereas specification calls for 16 MTr high mast light. Please confirm the height of high mast light to be considered.</p>	As per BOQ.
64	<p>Approved Makes for UPS System is mentioned a Hitachi/ Siemens/ Etone Powr ware/ Emersion /Schneider</p>	<p>But, Separate line item for UPS System is not specified in the B.O.Q</p> <p>We presume that UPS System and associated works are not part of this contract. Please Confirm</p>	Complete UPS (including all accessories) in ready to use condition is in the scope.

65	<p>Detailed architectural drawings RFC drawings RFC drawings shall be provided by consultant to contractor. The Contractor will prepare detailed structural design and drawings, shop drawings based on the drawings given by client/ consultant for all services eg. Electrical, Plumbing, Fire fighting, fire detection, HVAC & Plant layout, O.T , Gases Manifold System, CSSD etc. The approvals shall include the following in addition to any other approval which may be required for the project:</p> <p>a) Construction permit if required b) NOC from Chief Fire officer c) Approval of tree cutting d) NOC from Lift inspector e) Occupancy certificate</p>	<p>From the tender, we understand that designing is in the scope of client. Please Clarify. We request you to take construction permit, approval for tree cutting & occupancy certificate under your scope.</p>	As per tender conditions.
65	Make for Aanti- Vibration mounting	Kindly approve Cummins as an additional make for the same.	As per tender.
66	Make for High Mast	Kindly provide us the make for the same.	Crompton Greaves/ Bajaj/ Philips.
67	Item No. 1.01 to 1.19	<p>There is a huge variation in sanitary fixtures price, varies from model to model. Even in one single brand, there comes the variation. Only IS-Code & Make is given. We request you to give the model number for each sanitary fixture or provide us with the basic rate of each sanitary fixture.</p>	Tender conditions shall prevail.

68	Item No. 3.13	Kindly provide the size of the storage tank.	As per requirement of the project.
69	Make for Solar Collectors	Kindly provide Solopower as an additional make.	As per Technical Specification / BOQ
70	1.5% per month upto a max of 10% of CV	Kindly reduce the max. limit to 5 % of CV	As per tender conditions.
71	Client shall have the right to modify the design prepared by contractor	Please clarify	Design submitted by the contractor shall be modify if required.
72	11/433V 2500 & 1600 KVA Transformers	We would like to inform you that The class of insulation "F" ar enot possible for ONAN Transformers, The F class of insulation are applicable for Cast Resin type Transformers, Please confirm the class of insulation for ONAN Transformers.	As per CPWD specification/ I.S. code.
73	TPN Distribution Boards & SPN Distribution Boards	Whether Distribution boards shall be Pre Wired DB or Standard DB, Please clarify/confirm	As per BOQ.
74	RCCB	Please give also approval of M/S Havells & ABB MAKE	Havells and ABB can be accepted
75	The contractor shall pay all taxes, duties, levies, work contract tax etc. of Government provisions of the Income tax Act or as per the advice of the Income Tax Authority.	We request you to pay variation of taxes and also reimburse any new tax introduced after submission of tender. Kindly confirm.	As per tender conditions.
76	As per additional specific condition of contract, the scope of work covers the supply. Also includes design & preparation of structural and all other detailed shop drawings testing and commissioning of components and accessories for CIVIL works , plumbing	Please clarify whether design of civil structures & MEP services will be in contractor's scope or in client's scope (i.e GFC Drgs to be provided by the client). We understand that only shop drawing for MEP services will be provided by the contractor.	As per tender conditions.

	and firefighting works, fire alarm system, electric works.		
77	A reasonably furnished site office accommodation having a sample room, A.C meeting room, A.C staff rooms along with toilets & pantry with file storage facility along with computers & printers and its consumables, a telephone with STD facility, Fax Machine, Internet & Vehicles to be made available as per requirements given by the Engineer and also electricity & drinking water will have to be provided by the contractor at his own cost for the site office.	Kindly specify no. of computers, printers, vehicles and other consumable required with their make. Kindly also specify average running of car in a month.	As per requirement of project.
78	In the present situation of Delhi (NCR) Area River sand is not available for construction of mass Concrete works, Please allow us to use manufacture sand for mass concreting works.		As per tender conditions.
79	Barricading by MS angles and GI / Steel sheet around the construction site area if required please clarify the specific height and necessary requirements for considering costing Tender workings.		As per tender conditions. Height of the barricading above 8 ft'. & duly painted & name of project shall be written on it.
80	As per BOQ Item no 3.11 Boring, providing and installing bored cast-in-situ reinforced cement concrete piles of grade M-25 OF specified diameter and length below the pile cap, to carry a safe working load not less than specified , excluding the cost of steel R/F but including the cost of boring , with bentonite solution and temporary casing of appropriate length, please clarify that we have to quote it is a including of M-25 concrete or excluding concrete		As per BOQ

81	Extra cement for providing richer mix for RCC works as per the design mix, Cement is payable / recoverable , but admixture @ 2% of the extra cement using as per design mix. Payment will be made by the client or it is included in quote please clarify.	As per BOQ & Tender Conditions.
82	Additional makes for MV Panels.	Neptune and Zeta.
83	Revised make of lift/dumb waiters/escalators.	OTIS, Mitsubishi, Scheindler, Johnson.
84	Additional make of DG set.	Perkins and Volvo Penta.
85	Additional make of Transformer.	Voltamp.

Prospective bidders are advised to regularly scan through HSCC e-tender portal <http://www.tenderwizard.com/HSCC> as corrigendum/amendments etc., if any, will be notified on this portal only and separate advertisement will not be made for this.

All other terms and conditions of the tender shall remain unchanged.

(-Sd-)

**General Manager (Projects),
HSCC (India) Ltd
For & on Behalf of Director, AIIMS, New Delhi**

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NOTES

NCI JAHJJAR RESEDENTIAL COMPLEX						
TOTAL AREA OF PLOT		75075	18.5 ACRE			
GREEN AREA RESIDENTIAL SITE		46619	62%			
PERMISSIBLE GROUND COVG.		18768	25%			
PROPOSED GROUND COVG.		7252	12%			
PERMISSIBLE FAR		112612	150%			
PROPOSED FAR		100207.4	142%			
BLOCKS	NO. OF FLOOR	GROUND COVG.	NO. OF BLOCKS	TOTAL AREA/BLOCK	TOTAL AREA	NO. OF DU
TYPE III	G+14	2040	4	7594.6	30378.4	224
TYPE IV	G+14	1113	3	5320	15960	84
TYPE V	G+14	964	2	7066	14132	56
TYPE VI	G+8	580	1	5087	5087	16
TOTAL		4697		25067.6	65557.4	
HOSTELS						
S.RESIDENT 1	G+14	730	1	10950	10950	154
S.RESIDENT 2	G+7	525	1	4200	4200	46
NURSES	G+14	1300	2	9750	19500	440
TOTAL		2555		24900	34650	
TOTAL AREA FOR RESIDENTIAL		7252		49967.6	100207.4	
* ALL AREAS ARE IN SQUARE METER						

PARKING CALCULATION

PARKING REQUIRED = 0.75ECS + 0.2 ECS (ADDITIONAL)
 = 0.95 ECS REQUIRED

REQUIRED PARKING = 0.95XBUILTUP AREA/100
 = 951.9 SAY 952

PROPOSED PARKING

a) STILT PARKING = 120 CARS

b) SURFACE PARKING = PARKING AREA/23 (as per norms)
 = 16215/23=705 cars

TOTAL PARKING PROPOSED=705+120=825 Cars.



REV	DATE	DESCRIPTION

PROJECT

ALL INDIA INSTITUTE OF MEDICAL SCIENCES (AIIMS)
 AT VILL. BARHSA JHAJJAR HARYANA

TITLE

NATIONAL CANCER INSTITUTE
 HOUSING SITE
 PARKING PLAN

HSCC/BUHP2/PG2/TD/HSP/002/R0		
Drawing No.		Rev.
Job No.	N.T.S Scale	18-07-2014 Date:
App by	Rev. by	Prep. by