

**Amendment -I**

Name of Work: Plan, Design, Construction, Supply, Installation, Testing, Commissioning, Calibration, Certification, Demonstration, Training, Validation of Bio-Safety Level- 3 (BSL-3) Laboratories and other associated works on ‘Turnkey Basis’ on **EPC mode** at NCDC, New Delhi

IFB No. HSCC/SES/BSL-3/NCDC/2021 Dated: 22.09.2021

This has reference to above IFB. The following Amendment may be noted which shall be treated as part of the tender document and to be submitted duly signed & stamp along with tender.

<b>Sr. No.</b>	<b>Bidders' Queries</b>	<b>Reply</b>
1.	Ref Vol 05 BOQ Part I – ‘Including Operation & Maintenance during the 5 years of Defect Liability Period’ does this means that 5 years cost of O&M need to be incorporated in the total value of project?	As mentioned in the column of ‘b’ of Price bid of Part-I.
2.	Should we consider commencement of DLP from date of commissioning of project?	The defects liability period shall be valid for a period of 5 (five) Years from the date of Completion of works and taking over of the works by the end user/employer.
3.	Ref Vol 05 BOQ Part II – Is this cost of O&M after completion of 5 years DLP?	As mentioned in the column of ‘b’ of Price bid of Part-II.
4.	Values in price bid should be including GST or excluding GST? As per standard practice for works contract GST is throughout 18% for all items. Please revert if otherwise.	Amount in column ‘g’ should be inclusive of all charges at Price Bid.
5.	Ref Vol06_TenderDrawing – It would be really very helpful if we could get CAD drawings related to all drawings shown in this annexure. Being design based project, we need to prepare the proper engineering BOQ for optimum costing.	CAD drawing will be sent.
6.	Last date of bid submission is 14th Oct 2021. As we are getting only 14 days after pre-bid meeting, for design, detailing, estimation and preparing offer will need more time. Kindly extend the bid submission date	The Tender submission date is extended from 14.10.2021 to <b>21.10.2021</b> and bid should be valid for 180 days from the date of bid submission i.e., from 21.10.2021.
7.	Bio safety cabinets complying to EN12469 should be considered as an option to NSF certification.	Tender terms and conditions prevail.

8.	<p>With reference to the above subject, Our team is already working on this tender for bid submission, the volume of work towards preparing for the tender submission involves deriving BOQ, &amp; it needs reasonable time to do the best.</p> <p>Requesting you to extend the bid submission till 28th Oct. 2021.</p>	<p>The Tender submission date is extended from 14.10.2021 to <b>21.10.2021</b> and bid should be valid for 180 days from the date of bid submission i.e., from 21.10.2021.</p>
9.	<p>As per GOI Notification No. P45021/2/2017-B.E.-II dated 15th June 2017 issued by Ministry of Commerce and Industry, Department of Industrial Policy and Promotion stating that companies Registered with MSME/ NSIC are exempted from eligibility criteria for similar nature of work, to promote make in India.</p> <p>We request you to kindly consider above point as hardly any tender of same capacity are established so far in India. We request you to consider establishment of at least 7 Nos BSL-3 Lab establishment in India.</p>	<p>As the work is civil in nature the SCC Clause No. 57 Preference to Make in India is deleted.</p> <p>Further document fee is not exempted for MSME/NSIC firms and accordingly the SCC Clause No. 12.3 is deleted.</p> <p>Firms registered with MSME/ NSIC are not exempted from eligibility criteria for similar nature of work.</p>
10.	<p>List of approved make is not mentioned in the tender. Without Approved make list, quality of lab can be compromised if some non-branded material is used. Also, A proper price comparison cannot be done for the equipments/ components being used. So, we request you to please mention the list of approved make. For your reference, We are sending it attached herewith as Annexure –I.</p>	<p>List of Approved makes are enclosed.</p>
11.	<p>BSL-3 Lab being a specialized Job, which requires complete design calculation, hence you are kindly requested to extend the tender due date for at least 15 days further, ie, till 30 Oct, 2021.</p>	<p>The Tender submission date is extended from 14.10.2021 to <b>21.10.2021</b> and bid should be valid for 180 days from the date of bid submission i.e., from 21.10.2021.</p>
12.	<p>Please provide the sectional drawings with each floor height.</p>	<p>Floor to concrete Ceiling height shall be 6 metre each for Ground floor, 1<sup>st</sup> floor and 2<sup>nd</sup> floor. Walkable Ceiling shall be provided in each floor for service works. Sectional drawings are to be developed by the bidder.</p>

13.	We have checked the tender documents but we could not find list of approved makes. Please provide the list of approved makes.	List of Approved makes are enclosed.
14.	Please clarify the below points:  Please provide existing Topographical and geotechnical survey reports carried out for existing facilities on site (Soil report required).	The Clause No. 4 of SCC states as under:  “The Bidder is advised to acquaint himself with the job involved, visit the Site & examine soil conditions (No report will be provided by Engineer) ...”
15.	(Volume-4-DBR & Tech spec) Page No 106  As per specification Internal Partition wall shall be of PUF (40±2) Kg/Cum /Rockwool 146 - 150 kg/m <sup>3</sup> ) sandwiched double skinned (Each skin 0.8mm thick) Powder coated GI panel of 100-120mm thick wall and ceiling panel We suggest walkable ceiling 50 mm thick PUF (40±2) Kg/Cum is sufficient and for wall panel also 50mm thick is sufficient.	Tender terms and conditions prevail.
16.	(Volume-4-DBR & Tech spec) – HVAC Chiller  As per Page no 80 – Chiller has to be selected 125% of the cooling capacity. As per Page no 108 – Chiller should be (N+1)  Please suggest us which one need to be considered.	Both features of Page no. 80 and 108 to be incorporated.
17.	Individually Ventilated Caging system for housing Mice / Rats  Please confirm the number of Cages & Racks required	Number of cages should be planned and designed for Animal hold room, Animal room.
18.	Individually Ventilated Caging rack for Rabbit  Please confirm the number of Cages & Racks required	Bidders have to plan and design as per the lab requirement and availability of area.
19.	Kill tank/ BLED  ➤ Please confirm whether common system required for all the BSL 3	Common system required for all the BSL-3 labs.

	labs OR individual systems required.	
20.	We reference to the above subject tender. We request for bid extension by another 10 days form the tender due date.	The Tender submission date is extended from 14.10.2021 to <b>21.10.2021</b> and bid should be valid for 180 days from the date of bid submission i.e., from 21.10.2021.
21.	Pre-qualification— In pre-qualification criteria condition to associate a expert consultant/ architect having required experience of delivering such type of project may added in alternate of JV, association of consultant of repute having desired experience will be more helpful for better competition & completion of project with zero tolerance. project being of very specialised category india have only few such types of labs hence chances of better competition are less in present case.	Tender terms & conditions prevail.
22.	Further you are requested to kindly extend the date of submission for at least three weeks for healthy & better competition, project being EPC, turnkey & specialised category need more time for working.  Kindly issue suitable amendments.	The Tender submission date is extended from 14.10.2021 to <b>21.10.2021</b> and bid should be valid for 180 days from the date of bid submission i.e., from 21.10.2021.
23.		Integrity pact & Agreement duly signed by the person authorized to sign the bid on behalf of the bidder to be submitted. Copy of integrity pact and agreement form enclosed.

All other terms & conditions remain unchanged.

Chief General Manager, HSCC (I) Ltd.  
For & on behalf of NBCC, New Delhi

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**HSCC (INDIA) LIMITED**  
(A Subsidiary of NBCC (India) Limited)  
(A GOVERNMENT OF INDIA ENTERPRISE)  
E-6A, Sector-01, Noida-201301

**Construction of BSL-3 Laboratory with 5 year O & P during Defect Liability Period on  
Comprehensive Design, Engineering, Procurement and Construction (EPC) basis for  
NCDC NEW DELHI**

**Tender No. HSCC/SES/BSL-3/NCDC/2020**

**APPROVED MAKES LIST**

Sign of Bidder

Sign of HSCC

# **Civil WORKS**

**SAMPLES OF ALL MATERIALS, LETTERS MATTERS AND DESIGNS TO BE GOT APPROVED by ARCHITECT/ CLIENT BEFORE EXECUTION OF WORK.**

**1.00 LIST OF APPROVED MAKES : CIVIL WORKS**

<b>S.No</b>	<b>Material</b>	<b>Recommended Makes</b>
1	Doors & Windows fixtures/ Fittings	Dorma, Godrej, Dorset, Arkay, Ozone, Hettich
2	Door Closer / Floor spring	Dorma, Godrej, Dorset, D-Line, Hardwyn
3	Aluminium Sections.	Hindalco, Jindal, Indal
4	Clear Glass/ Clear Float Glass/ Toughened Glass	Saint Gobain, Asahi, Modi Guard,
5	Laminates	Greenlam, Merino, Kitply, Century
6	Synthetic Enamel Paints	Asian, Berger, DULUX, Nerolac
7	Oil Bound Distemper	Asian, Berger, DULUX, Nerolac
8	Cement Paint	Snowcem plus, Asian, Berger
9	Plastic Emulsion Paint	Asian, Berger, DULUX, Nerolac
10	Other Paints/Primers	Asian, Berger, DULUX, Nerolac, Shalimar
11	OPC 43 Grade Cement (Conforming to IS 8112)	ACC, Ultratech, Jaypee Cement, Century Cement & J.K.Cement, Vikram, Shree
12	Reinforcement Steel (TMT Bars)	SAIL, RINL, TISCO,
13	Glass Mosaic Tiles	Bissazza, Mridul, OpioMosaica, Paladio, Italia
14	MS Pipe/ Sections	Jindal, Tata, SAIL
15	Polycarbonate Sheets	GE Plastic, Gallina (USA), Macrolux (UK)
16	Wooden Fire Check Doors	Navair, Pacific, Sukriti, Shakti mate
17	Metal Fire Check Doors	Navair. Shaktimet, Godrej, Pacific, Sukriti,
18	Admixtures for concrete.	CICO, Fosroc, Sika, MC-Bouchemie, Pidilite, BASF, STP Ltd
19	Ceramic Tiles	Kajaria, Somany, Naveen
20	Pre-Laminated Particle Board	Greenlam, Duro, Merino, Kitlam, Century, Kajaria
21	a) Flush Door Shutters	Greenply, Duro, Kitply, Century, Kajaria
	b) WPC Flush Doors	ALSTONE and equivalent
22	White Cement	JK White, Birla White
23	Powder Coating Material Pure Polyester	Nerolac, Berger, J&N
24	Stainless Steel Screws For Fabrication and fixing of Windows.	IS: Grade 304
25	Dash Fasteners./Anchor bolts, Cramps	Hilti, Fischer, Bosch, Canon
26	Stainless Steel Friction Stay	Earl-Bihari, Securistyle, Hafele, Hettich



27	Weather Silicon	Dow Corning, Wacker, G.E.
28	Structural Silicon at butt joints	Dow Corning, Wacker, G.E.
29	Water proofing Compound / applicator	CICO, Fosroc, MC-Bouchemie, Pidilite, Sika, STP Ltd, AKSYSCO
30	Reflective Glass	Saint Gobain, Asahi, Modiguard
31	Door Locks/Latches	Dorma, D-Line, Harrison, Yale, Hettich, Godrej, Dorset
32	Aluminium Grill	Hindalco, Jindal, Bhoruka
33	Vitrified Tiles	Kajaria, Somany, Johnson
34	Aluminium Cladding sheets	Alucobond, WPCor equivalent
35	Stainless steel D-handles	D-Line, Dorma, Dorset, Giesse, Ozone, Hettich, Hafele
36	Stainless Steel Railing/ pipe/ sheet	Jindal, SAIL
37	Structural Steel	TATA, SAIL, RINL
38	Ready Mix Concrete	ACC, Ultratech, L&T, Lafarge / As approved by Engineer
39	Epoxy Flooring/ wall coating	Fosroc, BASF, Sika, Dr Beck
40	Acoustic Mineral Fibre	Armstrong, USG, Hunter Douglas, Dexune,
41	Fire Panic bar/ hinges	Dorma, D-Line, Briton, Becker FS
42	Plywood/ Block Board	Greenply, Kitply, Kajaria. Merino, Duro, Century
43	PVC Flooring	Gerflor, Tarkett, Armstrong, / As approved by Engineer
44	Fire Seal	Pemco, Lorient, Astroflame
45	Fire rated door closer/Mortice Lock/ Door Co-ordinator	Dorma, D-Line, Briton, Becker FS
46	Gypsum Board System	As approved by Engineer
47	Adhesive for Wood Work	Fevicol, Dunlop, Pidilite
48	Epoxy/PU Paint	Fosroc, Pidilite, Cico, BASF, Sika, Berger, Nerolac,
49	Glass Doors (Motorised)	Dorma, Hafele, Ozone, Besam, Hettich
50	Automatically Hermetically Sealed Sliding (OT) Door	Metaflex, SHD Italia, Stryker,
51	Calcium silicate boards/ Tiles	Hilux, Aerolite, Armstrong,
52	Texture Paints	Asian, Berger, Nerolac, DULUX, Snowcem
53	Wall care putty	JK, Birla,
54	Frameless glass partition fixtures/ Spider fittings/ patch fittings	Dorma, Sevax, Geze, Ozone, Hafele, Hettich
55	U-PVC Windows	Fenesta, or approved equivalent
56	Toilet Cubicles	Greenlam, Merino,

57	Agencies for PT Slab work	Utracon Structural Systems Pvt. Ltd., GP Spiro Duct & Tube Gurgaon, BBR (India)Pvt. Ltd Bangalore, VSL India Pvt ltd Chennai
58	Fire rated Glass	Saint Gobain, Pilkington, Schott, Pyroguard
59	Fibre Glass Rigid Board	FGP Ltd., UP Twiga, Kimmco
60	Mineral Wool/ Rockwool	Rockwool India Pvt. Ltd., Lloyd

61	Heat Resistance Tile	Thermatek, National
62	Bitumen	Indian Oil, Hindustan Petroleum, STP Ltd
63	AAC Block, Fly ash brick, pavers, kerb stone, 3D wall AND Mortar	Fincrete / As approved by Engineer In charge
64	Stainless Steel Door Handles, Locks Fittings	Dorma, D-Line, Harrison, Yale, Hettich, Godrej, Dorset
65	Acid/ Alkali Resistant Tile	Somany, Kajaria
66	Acrylic Exterior Paint	Asian, Berger, DULUXDulux, Nerolac, J&N
67	WPC Door frame and Shutters	ALSTONE and equivalent
68	Metal False Ceiling	Armstrong, Durlum, Saint Gobain, Dexon
69	Tendons for PT slab	TATA, Usha Martin
70	Expansion joint	As approved by Engineer In charge
71	Silicon	ALSTONE or equivalent
<b>Note</b>	<b>Final choice of make specified or not specified above shall remain with the Engineer in charge</b>	
	<b>Equivalent makes can also be added or deleted, subject to price adjustment if any with approval of Engineer In Charge.</b>	
	<b>Wherever makes have not been specified for certain items, the same shall be as per approval of Engineer In Charge</b>	

# **PHE & Fire WORKS**

LIST OF APPROVED MAKES: PLUMBING WORKS

Sl.No	Material	Relevant IS Code	MANUFACTURERS
1	Vitreous China Sanitary ware -	771	Jaquar/Parryware/Hindware/Cera,
2	Stainless Steel Sink		Cera/ Nirali/Plato/ Jaina
3	Plastic Seat Cover		Jaquar/Parryware/Hindware/Cera,
4	Geyser		Racold, Usha Lexus, Jaquar,Bajaj
5	C.P. Fittings Mixer/Pillar taps Washers, C.P. brass accessories, CP Angle Valve, Bibcocks, CP waste	1795/4291/4 827	Jaquar/Parryware/Hindware/Cera,
6	C.P. brass accessories	1795/4291/4 827	Cera/ Nirali/Plato/ As approved by Engineer
7	Centrifugally /Sand cast iron pipes & fittings	3989/1729	Neco/SKF/ RPMF/HEPCO
8	G.I. Pipes	1239 Part I	Jindal-Hissar, Tata, Prakash-Surya
9	G.I. Fittings	1239 Part I	Unik, K.S., Zoloto, Sant ,Plato
10	Gunmetal Valves	778	Zoloto, Leader, Castle,Sant
11	Brass stop & Bib Cock/Pressure Release valve	781	Jaquar/Parryware/Hindware/Cera
12	Brass stop & Bib Cock/Pressure Release valve		Jaquar/Parryware/Hindware/Cera
13	Ball valve with floats	1703	Zoloto, Leader, Sant,
14	Stoneware pipes & Gully Traps	651	IS Marked pipes, as approved by Engineer
15	R.C.C. pipes	458	IS Marked pipes, as approved by Engineer
16	C.I. Manhole Covers	1726	Neco, SKF,BIC,HEPCO
17	Water Tank		Sintex, Polycon,Uniplast
18	Mirror		Modi guard, Asahi, Saint Gobain, Atul
19	Hand drier		Kopal, Euronics, Plato
20	Insulation of Hot water pipes		Vidoflex Insulation, Superlon, Thermaflex, Kaiflexkaimenn
21	PVC Rain Water Pipes.		Supreme, Finolex, AKG,Ori-Plast
22	D.I pipes		Tata, Electrosteel, Jindal
23	DI Fittings		Sant, Tata, Electrosteel, Jindal
24	Sluice valve / NRV		Zoloto, L&T, Castle, Sant, Plato, Leader
25	Water supply pumps		Crompton (CG), GRUNDFOS, KSB, Mather & Platt, Kirloskar, Xylem
26	DI Manhole Cover		SKF,NECO,BIC,SKF, Sant
27	Submersible pumps		GRUNDFOS, KSB, Mather & Platt, Kirloskar

28	PVC/UPVC pipes & fittings		Finolex , Ori-Plast,AKG, Supreme
29	Chlorinator		Siemens, Watcon,
30	HDPE Solution tank		WATCON, Water Supply Specialist P (Ltd), Pollucon Technology
31	Infrared Sensor operated Faucets/Urinals		Jaquar/Parryware/Hindware/Cera
32	Gratings, Strainers, Cleanouts etc		Neer Brand (Sage Metals),Plato
33	Level controller		21st Century/ Advance Auto/ Shridhan international/ Minilec/ radar/ Femac/ Switzer
34	Drainage Pumps		Grundfos, KSB, Mather & Platt, Kirloskar
35	System integrator for Water / Sewage/ Effluent Treatment Plant		Pollucon Technologies, Thermax, Geo Miller, Grey water solution, AKSISCO / As approved by Engineer
36	Decorative bath room fittings		Jaquar/Parryware/Hindware/Cera
37	R.O System		Ion-Exchange, Pentair, Pollucon Technologies, Thermax,
38	PE-AL-PE		Kitec, Jindal, PRINCE
39	HDPE pipes and fittings	IS:14333 (1996)	Ori-plast, Finolex, AKG
40	CPVC pipe, fittings and Solvent		Astral, Ori-Plast,AKG,Finolex
41	Solar Panel, for Water Heater		Inter solar, BEC,CEL,Moserbear, Tata, GE
42	Copper Pipe		Raj Co., Maxflow, Viega
43	Copper Fittings		Raj Co., Maxflow, Viega
44	Lab drainage		Viega, Duraline,
45	Lab Fittings		Viega, Duraline,
46	SS pipe(EN-10312) & press type fitting		Viega, Jindal
47	Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside	IS:15905	Neco, SKF, HEPCO
48	Oxilyte (Mixed Oxidant)		Oxibee Solutions, Faith innovations.I2M, Jeo Miller
49	STP,ETP,WTP,SYSTEM INTEGRATOR		AKSISCO,AMBER Amber

Note :

Equivalent make of any item may be added with price adjustment with the

approval of Engineer.

- Wherever makes have not been specified for certain items, the same shall be as per BIS and as per approval of Engineer.

LIST OF APPROVED MAKES : FIRE FIGHTING WORKS

Sl.No	Material	Relevant ISI Code	MANUFACTURERS
1	G.I./M.S. Heavy class pipe	1239/3589	Jindal-Hissar, Tata,
2	Gate Air Valve		Leader, Zoloto, Castle, Sant
3	Butterfly valves	13095	Audco, Sant, C & R, Zoloto, Castle,KSB
4	Portable Fire Extinguisher	2171	Minimax, Safex, Safefire , Ceasefire, Newage,
5	First aid Fire hose reels	884	Minimax, Safex, Safefire , Ceasefire, Newage,
6	Fire hose pipes	636	Newage, Minimax, Safex, Ceasefire,
7	Fire Hydrant valves	5290	Minimax, Newage, Safex, Safefire, Ceasefire, Sant
8	Sprinkler Heads		
A	Pendent type	IS	Tyco, Viking, HD, Grinnel, Eversafe
B	Side wall type	IS	Tyco, Viking,HD, Grinnel, Eversafe
C	Sprinkler Side wall extended through	IS	Tyco, Viking,HD, Grinnel, Eversafe
9	Sluice and non return/check valve foot valve strainer	IS	Zoloto, castle,Sant ,KSB
10	Thermoplastic fire hose pipe	1258	Minimax, safex, Safefire, Newage, ,
11	Rubber hose 12/20mm dia		Dunlop, Good year, Zetech
12	Reinforced rubber lined/canvas		Newage, Jayshree, Zetech, Safeguard
13	Standby battery lead acid		Exide, Standard, Amco
14	Horizontal centrifugal/Fire pumps		Mather& platt(WILO), GRUNDFOS, Kirloskar, Xylem
15	Diesel engine		Cummins, Ashok Leyland, Caterpillar, Kirloskar
16	Electric motors		GEC, Siemens, ABB,Crompton, Kirloskar
17	Electrical switch gear & starters		As per Electrical Works
18	Cables		As per Electrical Works

19	Flow meter		Scientific Equipment (P) Ltd., Sant,
20	Suction strainer		Leader, ZOLOTO, AUDCO, Castle



21	Vibration eliminator connectors		Resistoflex , Kanwal, D.wren
22	Single phase preventor		L & T, GEC, SIEMENS, ABB
23	G.I. Fittings	1239 Part I	Unik, K.S., Zoloto,
24	Yard Hydrant Stand Post,4 way suction		Eversafe, Safefire ,Minimax, Newage,
25	DI pipes		Jindal, TATA, Electro steel,
25a	DI Fittings		Jindal, TATA, Electro steel, Sant
26	Pipe coat material (Pipe protection)		Pypkote Integrated water proofing co., coaltek Rustech products (P) Ltd. , Makphall
27	Fire Man's Axe		Safeguard/safex/Newage/Gunnebo, Getech
28	Pressure guage		IS:C3624 (cl-I) H.GURU/Fiebig/BRC/HD
29	Flow switch		Potter/Safex system sensor/Rapid flow/
30	Pressure switch		Indfoss/switzer, Equivalent make approval of Engineer
31	Fire suppression system		SVS Buildwel (p) ltd , Kanex Equivalent make approval of Engineer,
32	FIRE FIGHTING SYSTEM INTEGRATOR		AKSISCO,AMBER
Note	Final choice of make specified or not specified above shall remain with the Engineer in Charge		
	equivalent makes can also be added or deleted, subject to price adjustment if any.		

# **ELECTRICAL WORKS**

## **LIST OF APPROVED MAKES FOR ELCTRICAL SYSTEM**

Contractor shall use the materials of approved make as indicated below unless specified in DBR or as approved by the HSCC engineer incharge. The contractor shall ensure the correct selection of the approved make meeting the specifications and application duties. Before placing order for procurement, the sample of approved make shall be got verified for its suitability to the specification and application duty. However, HSCC engineer incharge reserves the right to opt for the best preferred listed make.

**Note- Approved HT panel Main LT Panel, Main HVAC Panel, APFC Panel, Active Harmonic Filter Panel will be fabricated in the workshop of OEM only.**

<b>S.No.</b>	<b>ITEM</b>	<b>MAKE</b>
1	HT VCB Panel Board/ RMU	Siemens/L&T/ABB/Schneider
2	Transformer	ABB/GE prolac/ Schneider/Alstom
3	Main LT Panel/Main HVAC Panel / APFC panels / Active Harmonic Filter (AHF)	Siemens/L&T/ABB/Schneider/Legrand / SPC / ADLAC
4	Additional make for APFC Panel/ AHF	EPCOS, Ducati
5	Synchronization Panel/AMF Panel	OEM of the DG set or above panel manufacturer as mentioned against s.no.-3
6	Diesel Engine:	Cummins/ Caterpillar/MTU/ Perkins- Sterling /Kirloskar Oil Engine Ltd
7	Alternator:	Stamford/AVK/ Leroysoner/ Kirloskar
8	Fastener	Hilti/ Fisher or equivalent as approved by HSCC
9	Anti-vibration mounting:	Dunlop, Gerb, resistoflex
10	Bus Duct/Rising main	L&T/ABB/Siemens/Schneider/GE/ Legrand/C&S

11.	Battery:	Panasonic/Hitachi/Cummins/Exide/Amar Raja
11a	Automatic Battery Charger	Max Power/Amara raja Batteries ltd./Chhabi Electrical/Statcon power control ltd.
12.	MV panels/Fire panel/AHU Panel	Tricolite/Risha/Adlec./Control & Switchgear/SPC Electrotech
13.	ACB	L & T 'U' Power(Omega)/ Siemens 3WL/ ABB/ Legrand(DMX)/ Schneider (NW- Master Pact)
14.	Moulded Case Circuit Breaker	L & T – (D sine/DL) / Siemens-VA/ ABB-TMA/ Schneider – (Compact-NSX/NS) /Legrand-DPX
15.	Power/auxiliary Contactors, timers, Relay, starters	ABB/ Schneider/ L&T/ Siemens
16.	AMF Relay	wood ward
17.	SFU with HRC	L&T/ Siemens/ ABB/ Schneider/GE
18.	Change over switches/Isolators	Schneider / Siemens/ABB/GE/L&T
19.	Instruments (Analog & Digital)	L&T/ AE/ Siemens/ Schneider/ ABB/Conzerve
20.	Timers	Legrand/ L&T/ Siemens/ ABB
21.	Cast resin current Transformers:	AE/L&T/
22.	Selector Switches:	L&T /KAYCEE/ Siemens
23.	Push button, Indicating Lamps LED:	L&T /Siemens/Schinder/
24.	Auto manual changeover switches (3Way)	Kaycee/L&T/ Schnieder/Siemens

25	MCB distribution Boards	L &T/Hager/Legrand/ Siemens/ Schneider/GE / Philips
26	RCCB/MCB	L & T / Legrand-DX3/ Siemens / Schenider –Acti 9/GE/ Hager/Philips
27	HT/LT- XLPE cables	CCI/Universal/Finolex/Rallison / Pollycab / Skyton
28	Copper Control cable	CCI/ Universal/Finolex/ Rallison
29	Compression Glands & Lugs	Comet/ Dowells
30	PVC Tape	Steel Grip
31	Cable Jointing kit	Raychem / 3M
32.	Cable Trays/ Raceways	RMCOM/OBO/ Legrand/MEM /BEC /SPC
33	Terminal Strips	Elmex/ Connectwell/ Technoplast
34	LED light fitting & Fixture	Philips / Crompton Greaves/Bajaj/ Osram
35	MS conduit	RMCON/Steel Kraft/ BEC

36	PVC conduit	Supreme/Prince/Finolex/AKG
37	Conduit accessories MS & PVC	RMCOM/BEC /Steelcraft
38	Solar Power system(PV Cell)	TATA Power Solar, CEL, BHEL, BEL
39	Copper conductor PVC insulated wires, Co-axial , Telephone wires & cables	L&T/ Batra Henlay/ Bonton/Havells/Rallision/RR Kabel/Finolex
40	Additional make for telephone & LV wires and Cable	Delton/Fusion polymer
41	Modular Switches & sockets Outlets	Legrand-Myrius or Anti bacterial/L&T Oris/ Schneider -Livia / Philips -Sleek
42	Metal clad Socket outlets With boxes	L & T /Hager/ Siemens/ Schneider/ ABB/Legrand /HPL
43	Lighting protection	Erico/Galaxy electrode /Earth plus/OBO
44	UPS system	Schneider- MG , APC/ Eaton Power ware/ Emerson
45	High Mast poles & special Pole	Crompton Greaves /Phillips /Bajaj/Valmont
46	Ceiling fans	Crompton Greaves/ Orient/ Usha
47	PC with CPU and monitor etc	HP/ Compaq/Del/IBM
48	Auto Transfer switch	Cummins/Emerson-Asco/GE/ Russelectric
49	Public address system	Bosch/ Bose/ Honey well /Harman
50	CCTV camera	Pelco /Bosch/Sony/Axis
51	LCD/LED Monitor	Sony/Samsung/ Toshiba / TCL / Haier / Panasonic
52	Fire Detection System Addressable	Honeywell-Notifier/Edward/Bosch/ Siemens

53	FDA Conventional	Honeywell/Bosch/cooper/ Schneider
54	Portable fire extinguisher	Minimax/Ceasefire/
55	EPABX system	AVAYAS / Siemens / ALCATEL / TATA / As approved by Engine in-charge
56	Nurse Call bell system	Honeywell/Schreak/Raulland
57	Capacitor	Epcos, Schenider, L&T, Ducati,ABB
58	APFC Relay	Epcos, L&T, Biluk, Ducati, Schneider
59	Occupancy Sensor	Philips/ Honeywell/ Schneider/Lutron/Legrand
60	Lifts/ Dumb Waiters/Escalators	Otis /Kone/ Mitsubishi/ Scheindler
61	BMS, field devices etc	Honeywell-Trend/L&T-Atmos/Siemens/Schneide
62	Lighting Control	Lutron/ Philips/ ABB/ Schneider/ Legrand
63	Chemical Earthing	OBO Bettermann / Erico/Furse /Ingesco/
64	Access Control System	Honeywell-Pro-3000/Schneider/Lenel/Cardex
65	Boom barrier	Magnetic/ Somfy/ RIB/FAAC
66	CAT6 UTP, CAT 6A UTP/STP, Optical Fibre-cable	Molex/Systimax/Panduit/R&M
67	EPBAX , SOLAR SYSTEM INTEGRATOR	AKSISCO,AMBER

Note :

- | | Equivalent make of any item may be added with price adjustment with the approval of Engineer In charge.
- | | Wherever makes have not been specified for certain items, the same shall be as per BIS and as per approval of Engineer In Charge.

# **HVAC WORKS**



## LIST OF APPROVED MAKES AND MANUFACTURERS

The makes/brands of equipment listed below are approved for installation.

For all items to be used in the work samples, catalogues and specifications are to be submitted by the contractor for approval of the Engineer In charge. Only approved makes shall be used in the works. Equivalent makes may be added with price adjustment with approval of Engineer In charge. The approved samples shall be kept in the custody of the Engineer for comparison.

S.No	Material/Item	Approved Makes
	HVAC System Integrator	VOLTAS/BLUE STAR/ SUVIDHA/ UNIQUE ENGINEERS / ETA/ STERLING & WILSON
	<b>High Side Equipment</b>	
1	Centrifugal Chilling Units with VFD (ARI Certified)	Carrier/ Trane/ York /Dunham bush
2	Screw chiller (ARI Certified)	Carrier/Trane/York/Dunham bush /Voltas/Blue Star
3	Scroll Chiller	Carrier/ Trane/ York/ Dunham bush /Voltas/Blue Star
4	Primary Chilled / Condenser water Pumps (End suction back pullout)	Xylem/Grundfoss/Armstrong/wilo-Mather & Platt
5	Pumps Monoblock	Kirloskar/Beacon/Siemens/KSB/Greaves
6	Pumps Coupled with VFD	Xylem / Grundfoss/ Wilo-Mather Platt/ Armstrong
7	VFD with controls	Xylem/ Danfoss/ Grundfoss/ Wilo-Mather Platt/ Armstrong
8	Cooling Towers (CTI Approved)	Paharpur/Bell/Mihir/Marley/Advance
9	Electric hot water generator	Rapid cool/ Emerald/ Khokhar
	<b>Air Handling Units</b>	
10	Air Handling Units (High Static) with cooling coils	Carrier/Caryaire/Blue-star/Systemair/Voltas/VTS/ Flaktwood/ Waves/Edgtech /Zeco
11	Centrifugal Fan for AHU's	Nicotra/ Comefri/ Flakt/ Kruger/VTS
12	VFD for AHU	Danfoss(FC102)/ Siemens (Sinamics G120P)/ ABB (ACH 550), Schneider
13	Ultra Violet Germicidal Irradiation/ PHI	Ruks/Trimed/RGF
14	Fan Coil Units	Same as AHU
15	Air washer	Ambassador/Humidin/ Roots Cooling/ Ambiator
16	Scrubber (Wet/Dry)	Wet : same as AHU, Dry: Espair/Trion/Thermax/ Rydair
17	Humidifier	Rapid cool/Emerald/Khokar
18	Fan section	Same as AHU

19	Centrifugal /Axial Flow Fans/Tube Axial (AMCA Certified)	Flakt/ Nicotra/ Kruger /System air /Air flow/ Comefri
20	Propeller Fans	GEC (Alsthom)/ Crompton Greaves/ Khaitan/ Usha
21	Precision AC units	Emerson/ Blue box/ Stulz/ Hiross
22	Window/split AC	Hitachi/ Daikin/ O-general /Voltas/ Bluestar
23	VRV/VRF	Hitachi/Daikin//Toshiba/Mitsubishi /Voltas
24	Cassette Units-Chilled water based	Daikin/Midea / TRAIN
25	Inline Fans	Flakt/ Nicotra/ Comefri/ Kruger/ SystemAir
26	Heat recovery unit complete with Heat recovery wheel	Flaktwoods/ Novelaire/ DRI/ Greenheck/ Bryair
27	Heat Exchanger	Heat X/ Mark/ Alfa level
28	Thermal storage tank	Crystopia/ Dunhambush/ Calmac
	<b>Electrical Equipment</b>	
29	Main AC Panel	As Electrical approved make
30	AHU/ventilation electrical panels	Tricolite/ Adlec/ C&S/ SPC/
31	Electric Motors	Siemens/ Kirloskar/ ABB/ Crompton Greaves.
32	ACB	L&T-U power(Omega)/ GE-Entelliguard/ Siemens-3WL/ ABB/ Legrand-DMS/ Schneider-NW master pact
33	MCCB	L&T-(D shine/DL) / GE-Record Plus / Siemens-VA/ ABB-TMA/ Schneider- compact NSX
34	MCB	L&T/ Legrand-DX3/ Hager / Seimens-VA/ ABB/ MDS Lexic
35	PVC Tape	Steelgrip /3M or equivalent as approved by engineer in-charge.
36	Push button starter	L&T/ GE / Siemens/ ABB/ Schneider
37	Auxiliary Relays/Contactors	L&T/GE/ Siemens/ ABB/ Schneider
38	Line Type Fuse	L&T/GE/ Siemens/ ABB/ Schneider
39	Timer	L&T/GE/ Siemens/ ABB/ Schneider/ Legrand
40	Terminal Block	Elmex or equivalent as approved by engineer in-charge.
41	Voltmeter/Ammeter	L&T/GE/ Siemens/ ABB/ Schneider
42	Indicating lamps	L&T/GE/ Siemens/ ABB/ Schneider
43	Selector Switches	L&T/GE/ Siemens/ ABB/ Schneider
44	Change Over Switch	L&T/GE/ Siemens/ ABB/ Schneider
45	CT/PT	L&T/GE/ Siemens/ ABB/ Schneider
	<b>Cables</b>	

46	Power Cables / Control Cables	CCI/ Universal/ Finolex / Rallison / Havells
47	Cable tray	OBO/ Legrand/ Cooper/ BEC
48	Cable lugs	Dowells/ Comet
	<b>Dcting</b>	
49	Factory fabricated duct	Ductofab/ Rolastar/ Technofab / ZECO
50	G.I. Sheet	TATA/ SAIL/ Jindal
51	Spiral duct	Atco/ Seven Star/ carry air
52	Grilles/Diffusers/Volume Control damper	Ravistar/ Caryaire/ Mapro
53	Fire Dampers UL listed	Caryaire/ Ravistar/ Ruskin
54	Sound Attenuator	Caryaire/ Ravistar/Trox
55	Aluminium Sheets	Balco/ Nalco/ Hindalco
	<b>Pipes</b>	
56	G.I.	Jindal Hissar/ Tata/ SAIL
57	M.S. upto 150 mm	Jindal Hissar/ Tata/ SAIL
58	M.S. 200 mm and above dia factory rolled	Jindal Hissar/ Tata/ SAIL
	<b>Valves</b>	
59	Butterfly Valves	Audco/ L&T/ Honeywell/Advance/Danfoss
60	Motorised butterfly valve(actuator)	Belimo/ Honeywell/ Siemens
61	Non Return Valve	Advance/ Kirloskar/ Audco
62	Balancing Valves	Advance/ Audco/ Danfoss/ Honeywell/L&T
63	Gate/Globe Valves	Leader/ Divine/ Sant/ Bankim Sarkar / Zoloto
64	GM valve upto 40mm	Leader/ Divine/ Sant/ Bankim Sarkar /Zoloto
65	Ball Valve with Y strainer	Rapid Control/ Sant/ Leader/ Zoloto
66	Pressure independent Balancing valve	Danfoss/ Flowcon/ TA
	<b>Accessories</b>	
67	Pot & Y-strainer	Emerald/ Sant/ Rapid cool
68	Pressure Gauge	Fiebig/ Emerald/ Japsin
69	Thermometer	Fiebig/ Emerald/ Japsin
70	Flow Switch	Rapid Control/ Anergy/Emrald
71	Automatic Air Vent	Rapid Control/ Anergy/Emrald
72	Suction Guide	Anergy/ Rapid Control/ Emrald
73	Filters (pre,fine Hepa)	Thermadyne/ Spectrum/ Kirloskar /Anfilco/ Johnflower/ Dynafilter
	<b>Insulation</b>	

74	Expanded Polystyrene	Beardsell Ltd./ BASF / Lloyd/ Styrene packaging
75	Glass Wool	FGP Ltd./UP Twiga/ Kimmco
76	Polyurethane Foam	Malanpur /Superurethane
77	Crossed linked Polyethylene Foam	Trocellene / Superlon
78	Closed Cell Elastomeric Insulation	K-flex /Vidoflex/ Armacell/ Aeroflex
79	Non woven fibre material	Mikron/ Du pont
80	Mineral wool	Rockwool India Pvt Ltd/ Lloyd
81	Pre-moulded PUF section for pipe & pipe supports	Malanpur/ Lloyd
82	Fibreglass rigid Board/ Pipe section	FGP Ltd./ UP Twiga/ Kimmco
83	Aluminium Tape	Johnson/ Birla 3M/ Garware
84	Expansion tank(pressurized) and Air Separator	Anergy/ Grundfoss/ ITT /Emerald
85	Bellows	Dunlop/ Kanwal/ Resistoflex
86	2/3-Way motorized valve for AHU/FCU	Johnson control/ Danfoss/ Siemens/ Belimo
87	Thermostats	Honeywell/ Johnson controls/ Belimo/ Danfoss/ Siemens
88	Humidistat	Honeywell/ Johnson control/ Belimo/ Danfoss /Siemens
89	Electric Strip Heaters	Escorts/ Daspas
90	Safety Thermostat for Heaters	Honeywell/ Siemens/ Danfoss/ Belimo /Siemens
91	Cooling/heating Mode Changer	Honeywell/ Siemens/ Danfoss/ Belimo/ Siemens
	<b>Paints</b>	
92	Enamel	ICI/ Asian/ Nerolac/ Berger
93	Bituminus	Indian Oil / HP
94	Tarfelt ( for underground chilled water pipe insulation)	Indian Oil / HP
95	IBMS Approved vendor	Siemens/ Honeywell/ Johnson controls/ ABB/Schneider
96	DDC Controllers	Siemens/ Honeywell/ Johnson controls/ ABB/Schneider
97	Sensors(Pressure/Temperature)	Siemens/ Honeywell/ Johnson controls/ ABB/Schneider
98	VAV	Trane/ Trox/ Johnson Controls/ Belimo / Titus
99	Airflow Switch (Air & water)	Johnson control/ Honeywell/ Siemens
	<b>Miscellaneous</b>	
100	V Belt	Dunlop/ Fenner

101	Anchor fastners	Fischer/ Hilti
102	Dash fastner	Fischer/ Hilti
103	Welding rods	Advani/ L&T
104	Flexible pipe connection	Dunlop/ Kanwal/ Resistoflex
105	Hessian Cloth (fire rated)	Navair/ Pyrogaurd
106	Vibration isolator	Resist flex/ Dunlup/ Kanwal
107	Air Ozone	Ruks/ Trimed/ RGF
108	Fire Sealant	Birla 3M/ Hilti/ Promat
109	Adhesive / UV coating	Pidilite / Star bond

Note :

- Equivalent make of any item may be added with price adjustment with the approval of Engineer Incharge.
- Wherever makes have not been specified for certain items, the same shall be as per BIS and as per approval of Engineer.

## List of approved makes for IT Work

Sr. No.	ITEM	MAKE
1.	Core Switch	HP/Cisco/Juniper/Ruckus
2.	Access Switch	HP/Cisco/Juniper/Ruckus
3.	Network Management Solution	HP/Cisco/Juniper/Ruckus
4.	Wireless Access Controller	Cisco/Ruckus/Aruba
5.	Wireless Access Point	Cisco/Ruckus/Aruba
6.	Firewall	Fortinet/Sophos/Cisco/Checkpoint/ Palo Alto
7.	U/FTP Components(Passive devices for LAN)- Cat 6A U/FTP, Wall Plate 1 Port/2 Port, Power Cat6A DataGate Jack, Cat 6A Patch Cord S/FTP,GANG Box, 24 Port Patch Panel CAT-6A	Molex / Systimax / Panduit / AMP/ R&M
8.	Optical Fibre Cable components (Passive devices for LAN)- 12 port MM/SM SC LIU Fibre Panel, SC Pigtail SM/MM, SC-LC Multimode/Single mode Patch cord, 6 core SM OS1 cable, 6 core MM OM3/OM4 cable	Molex / Systimax / Panduit / AMP/ R&M
9.	Server Hardware	HP/Dell
10.	Network Rack	Valrack/Rittal/Netrack
11.	LED TV/Any Size TV/Display for QMS	Samsung/Sony/Panasonic/LG
12.	UPS System	APC/Eaton Power ware/Emerson/Schneider
13.	UPS Battery	Panasonic/Hitachi/Cummins/Exide

Approved Make:

Autoclave - Nat Steel/Periclave/Machine Fabrik

Bio-Safety Cabinet- Germ fre USA, Heraeus Germany, Labconco USA, Thermo USA, Backer USA, ESCO USA/ Forma Germany/NuAire

**Note :** Wherever makes have not been specified for certain items, the same shall be as per BIS and as per approval of Engineer

**INTEGRITY PACT**

To,

.....  
.....  
.....

Sub: NIT No. .... for the work .....

Dear Sir,

It is here by declared that the HSCC (India) Limited is committed to follow the principle of transparency, equity and competitiveness in public procurement.

The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Bidder will sign the integrity Agreement, which is an integral part of tender/bid documents, failing which the tenderer/bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the HSCC (India) Limited.

Yours faithfully

Engineer-in-Charge

## **INTEGRITY PACT**

To,

Chief General Manager,  
HSCC (India) Limited,  
E-6(A), Sector-1,  
Noida – 201 301

Sub: Submission of Tender for the work of .....

Dear Sir,

I/We acknowledge that the HSCC (India) Limited is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document.

I/We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender documents, failing which I/We will stand disqualified from the tendering process.

I/We acknowledge that the making of the bid shall be regarded as an unconditional and absolute acceptance of this condition of the NIT.

I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by the HSCC (India) Limited. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

I/We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the tender/bid, the HSCC (India) Limited shall have unqualified, absolute and unfettered right to disqualify the tenderer/bidder and reject the tender/bid in accordance with terms and conditions of the tender/bid.

Yours faithfully

(Duly authorized signatory of the Bidder)



**To be signed by the bidder and same signatory competent / authorized to sign the relevant contract on behalf of the HSCC (India) Limited**

## **INTEGRITY AGREEMENT**

This Integrity Agreement is made at ..... on this ..... day of ..... 20.....

### **BETWEEN**

HSCC (India) Limited, represented through, the Chief General Manager, HSCC (India) Limited as HSCC on behalf of NBCC (India) Ltd. (Hereinafter referred as the ‘**Employer**’, which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

### **AND**

.....(Name and Address of the Individual/firm/Company) Through..... (Details of duly authorized signatory) ..... (Hereinafter referred to as the “**Bidder/Contractor**” and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

### **Preamble**

WHEREAS the **HSCC** has floated the Tender (NIT No. ....) (Hereinafter referred to as “Tender/Bid”) and intends to award, under laid down organizational procedure, contract for .....(Name of work) hereinafter referred to as the “Contract”.

AND WHEREAS HSCC values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as “Integrity Pact” or “Pact”), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

#### **Article 1: Commitment of HSCC**

(1) HSCC commits itself to take all measures necessary to prevent corruption and to observe the following principles:

(a) No employee of HSCC, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or

accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

(b) HSCC will, during the Tender process, treat all Bidder(s) with equity and reason. HSCC will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.

(c) HSCC shall endeavour to exclude from the Tender process any person, whose conduct in the past has been of biased nature.

(2) If HSCC obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, HSCC will inform the Chief Vigilance Officer of HSCC and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

## **Article 2: Commitment of the Bidder(s)/Contractor(s)**

(1) It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government / Department all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.

(2) The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:

(a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of HSCC's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.

(b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.

(c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by HSCC as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

(d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/ representatives in India, if any. Similarly Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian

agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participates in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.

(e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.

(3) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

(4) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice means a wilful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.

(5) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process).

### **Article 3: Consequences of Breach**

Without prejudice to any rights that may be available to HSCC under law or the Contract or its established policies and laid down procedures, HSCC shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/ Contractor accepts and undertakes to respect and uphold HSCC's absolute right:

(1) If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, HSCC after giving 14 days' notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by HSCC. Such exclusion may be forever or for a limited period as decided by HSCC.

(2) Forfeiture of EMD/Performance Guarantee/Security Deposit: If HSCC has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), HSCC apart from exercising any legal rights that may have accrued to HSCC, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.

(3) Criminal Liability: If HSCC obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes

corruption within the meaning of IPC Act, or if HSCC has substantive suspicion in this regard, HSCC will inform the same to law enforcing agencies for further investigation.

#### **Article 4: Previous Transgression**

(1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.

(2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.

(3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, HSCC may, at its own discretion, revoke the exclusion prematurely.

#### **Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors**

(1) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Subcontractors/sub-vendors.

(2) HSCC will enter into Pacts on identical terms as this one with all Bidders and Contractors.

(3) HSCC will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/ Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

#### **Article 6- Duration of the Pact**

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 12 months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.

If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority.

#### **Article 7- Other Provisions**

(1) This Pact is subject to Indian Law, place of performance and jurisdiction is the Headquarters of HSCC, who has floated the Tender.

(2) Changes and supplements need to be made in writing. Side agreements have not been made.

(3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.

(4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

(5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this Integrity Agreement/ Pact or interpretation thereof shall not be subject to arbitration.

**Article 8- LEGAL AND PRIOR RIGHTS**

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

.....  
(For and on behalf of HSCC)

.....  
(For and on behalf of Bidder/Contractor)

**WITNESSES:**

1. ....  
(signature, name and address)

2. ....  
(signature, name and address)

Place:  
Dated :