	HLL BIOTECH LIMITED			
nne pharmaplan	Project	Integrated Vaccines Complex at Chengalpattu, Chennai		
	Document name	Vendor Pre-Qualification For 110KV Switchyard Electrical Works		



Vendor Pre-Qualification For 110KV Switchyard **Electrical Works**

Issue	Date	Issued For	Issue By	Sign
1	Date of Publish- 30.09.2013	Issued for Vendor Pre- Qualification for 110KV Switchyard Electrical Works	CEO-HBL	E.A.Subramanian

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Introduction:

HLL Biotech Limited (HBL), a 100% subsidiary of HLL Lifecare Limited, (a CPSU under Ministry of Health & Family Welfare, Government of India, is implementing "an Integrated Vaccines Complex (IVC) - a project of national importance' at Chengalpattu, near Chennai. The proposed complex is a state of the art facility with cGMP compliance for manufacturing vaccines required for the Universal immunization programme (UIP) of Government of India.

The green field facility shall comprise of the following Blocks:

- 1. Rabies Bulk production Block
- 2. Bacterial Vaccines formulation Block
- 3. Viral Vaccines Formulation Block
- 4. JE Bulk Production Block
- 5. Multiple Bacterial Bulk Production Block
- 6. BCG Bulk and Formulation Block
- 7. WFI Formulation Block.
- 8. Secondary Packaging Block.
- 9. Warehouse Block.
- 10. Admin building.QA/QC
- 11. Viral Block & Pilot plant
- 12. Canteen Block
- 13.110KV Switchyard and 11KV Substation
- 14. Utility Block.
- 15. ETP/STP
- 16. Scrapyard
- 17. Animal House
- 18. Spine.
- 19. Gate Office-1
- 20. Gate Office-2
- 21. Gate Office-3

The manufacturing blocks shall be connected through a spine for man and material movement inside closed corridor. The above blocks shall comprise of ground floor as process area & first floor as technical floor for housing the AHUs & utility equipments. The said Blocks will be constructed in three Phases. However all the three Phases will be constructed in sequence within short interval of time and 110KV Switchyard Electrical Works will be executed in the first phase in a single stretch.

Scope of Work:

This pre-qualification is pertaining to the setting up of 110KV Switchyard and 11KV Distribution works at Integrated Vaccines Complex, Chengalpattu.

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110KV Switchyard shall be located at North west side of the plot in apprx. 4000 Sq.mt. area with all necessary protection and metering equipment as per TNEB norms.110KV shall be stepped down to 11KV

through a power transformer of adequate capacity. 11KV supply from Secondary side of Power transformer will be taken through HT cable and fed to 11KV distribution bus system which will be located in the Main Receiving Station(MRS). Further 11KV HT cables are to be laid from MRS to four individual Substations situated at four different blocks of the facility. A total of 12 no.s of distribution transformers will be installed in these four substations based on Load distribution. One number of distribution transformer will installed in the MRS to cater the substation utilities.

The **broad scope of work** for 110KV Switchyard Electrical works will be as below. However the actual quantum of work shall be published in the tender (to be circulated to pre-qualified agencies only):

- > Following are the scope of Design, Supply, unloading, shifting and installation, testing and commissioning of 110 KV Switch yard and associated distribution system consisting of mainly the following components,
 - a. 110 KV SF6 Breaker
 - b. Oil Cooled Power Transformer
 - c. Neutral Grounding Resistor
 - d. Relay and control panel for 110 KV SF6 breaker
 - e. 110 KV Switchyard / Substation Equipment
 - 96 KV Lightning Arrestor
 - 110 KV Isolator
 - 110 KV/ 110 V Potential Transformer
 - 110 KV Current Transformer
 - Busbar
 - f. HT and LT cables
 - g. HT panels
 - Main HT panel
 - ICOG panels
 - h. DG set Main Power Panel
 - i. DC Power supply unit
 - i. LT Panel
 - k. Lighting fixtures and accessories
 - High Mast pole and accessories
 - m. HT Termination kits and Cable glands.
 - n. Socket outlets, Modular switches & socket outlets, conduits and cabling / wiring etc.
 - Cable trays

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- p. Earthing station, Earth strips and earthing materials
- q. Lightning protection system.
- r. Structural steel
- s. Civil Foundation for Electrical Equipments of 110 KV Switchyard
- t. Substation automation
- u. Other misc. Items

The above mentioned components are not exhaustive. The final quantum of work will be specified in Schedule of Quantities mentioned in the tender document which will be distributed to the prequalified parties meeting the minimum eligibility criteria as per this pre-qualification document.

Time Period:

The project will be executed in a single stretch and should be completed in a span of 12 months.

Minimum Eligibility Criteria:

- The firm should be an established agency possessing valid electrical license issued by the Electrical Licensing Authority for carrying out EHT works of voltage class 110KV and above.
- 2. The firm should have experience in any of the following works during the last five years ending the last day of the month of August 2013
 - Three (3) similar completed works costing not less than Rs 56 Million each : (or)
 - Two (2) similar completed works costing not less than Rs 70 Million each : (or)
 - One (1) similar completed work costing not less than Rs 112 Million each.

Note: Here similar works refers to turnkey job of 110KV (or above) Switchyard and associated electrical distribution works.

- 3. At least one of the 110KV (or above) switchyard project executed by the firm shall be in successful operation for not less than two years ending the last day of August 2013.
- 4. The firm should have successfully supplied, installed and commissioned at least one power transformer (110 KV or above) of minimum 15MVA capacity in the last five years ending last day of the month August 2013.
- 5. Net worth of the company shall be positive during the last three financial years (2010-11, 2011-12, 2012-13).

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6. Average annual turnover of the company shall at least be INR **70 Million** in the last 3 financial years (2010-11, 2011-12, 2012-13). Copies of audited financial statements or net worth and turn over certificates issued by a chartered accountant shall be attached.

The following documents are to be submitted along with application.

- In proof of criteria 1: Duly notarized copy of EHT license.
- In proof of criteria 2,& 4: Duly notarized copy of relevant work orders, purchase orders and completion certificates.
- In proof of criteria-3: Duly notarized customer satisfaction certificate
- In proof of criteria -5 & 6: Duly notarized copy of audited balance sheet.

Please note that the bids without the documentary proof stipulated above in support of the minimum eligibility criteria will be summarily rejected without further reference and tender documents will not be issued to such firms.

Pre-Bid Meeting:

All the interested vendors are requested to attend the pre bid meeting. The pre bid meeting is scheduled to be held on 08th Oct 2013,11:00AM at HLL Biotech Limited, TICEL Biopark Campus, CSIR Road Taramani, Chennai -600 113. Ph : 044-22544949/970/966.

Timelines:

The documents supporting the pre-qualification criteria should be sealed and must reach the below mentioned address latest by 22th Oct 2013 at 15:30 Hrs.

Chief Executive Officer (CEO),

HLL Biotech Limited. Module no.013-015. TICEL Biopark campus. CSIR Road, Taramani, Chennai - 600 113.

E-mail – eas@lifecarehll.com.ceo@hllbiotech.com

Ph: -044-22544949: Fax: -044-22540101

Any document reaching HBL after the above mentioned time shall be considered as late and will be rejected.

A. COMMERCIAL:



HLL BIOTECH LIMITED Project Integrated Vaccines Complex at Chengalpattu, Chennai **Document** Vendor Pre-Qualification For 110KV Switchyard Electrical Works name



General information	
Name of Company	
Registration No.	
Number of Years in Operation	
Registered Address	
Operating Address	
Telephone No. (Country Code) (Area Code) Tel No.	
Telefax (Country Code) (Area Code) Tel No.	
Email Address	
SERVICE TAX No.	
PAN No.	
TIN No.	
A-Grade Electrical License No. (up to 33KV)	
Labour license no.	
PF registration no.	
ESI registration no.	

B. FINANCE

		HLL BIOTECH LIMITED			
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name					
Name & Addres	s of Bankers:				
What is your ave	erage annual turn	over (ba	sed on pa	ast 5 years record	s)
Year 1	Year 2	Yea	ar 3	Year 4	Year 5
	100, 2		A1 0		. 54. 5
Please provide P&L account)	the last three yea	ars finan	cial resu	ılts(copy of balar	nce sheet and
	Financial Year			ed	
i manoiai reai					
2012-2013			☐ Yes	□ no	
2011-2012				□ no	
2010–2011 ☐ Yes ☐ no					

	HLL BIOTECH LIMITED			
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C. EXPERIENCE:

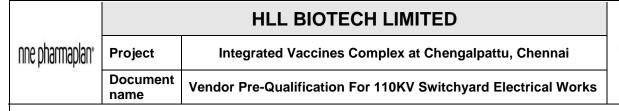
Project Experience: Details of the Major Projects completed during the last five years where the contract value is greater than INR 56 Million:

Year awarded	Project Name	Scope of work	Original Date of Completion	Actual Date of Completion	CONTRACT VALUE (INR)	CLIENT NAME & REFERENCE (Name, Designation, Telephone No. and Fax No.)

	HLL BIOTECH LIMITED			
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		ng project:				
Year Awarded	Project	Scope of work	Contract Value (INR)	Completion as on date	Commitments	Client Name & Reference (Name, Designation, Telephone No. and Fax No.)





D. MA	NPOWER AND SCOPE OF SERVICES		
Numb	er of Current Permanent Employees		
Please divide the permanent employees into the following categories:			
1	MANAGEMENT		
2	DESIGN / SUPPORT SERVICES		
2.1	ENGINEERS / DESIGN STAFF		
2.2	SUPPORT STAFF		
3	SITE		
3.1	SUPERVISORS		
3.2	SKILLED OPERATIVE		
3.3	UNSKILLED OPERATIVES		
4	NUMBER OF CURRENT CONTRACT / TEMPORARY STAFF		

Services Offered:		

		HLL BIOTECH LIMITED
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COMPANY FACILITIES

Field Equipment Plant

Equipment	Quantity	Capacity/ Yr of manufacturing	Location	Address

Test Equipment Plant

Equipment	Quantity	Capacity / Yr of manufacturing	Location	Address

HLL BIOTECH LIMITED Project Integrated Vaccines Complex at Chengalpattu, Chennai Document name Vendor Pre-Qualification For 110KV Switchyard Electrical Works



E. QUAL	TY			
ISO CER	TIFICATION			
Is your c	ompany certified to	Remarks		
ISO 9001			☐ Yes ☐ no	
			☐ Yes ☐ no	
			☐ Yes ☐ no	
PLEASE	PROVIDE THE QUALITY POLICIES			
File Name	IVC_Vendor Pre-Qualification_110KV Switchyard Elec	trical Page No.		12 of 19

HLL BIOTECH LIMITED nne pharmaplan° Project



Document

Integrated Vaccines Complex at Chengalpattu, Chennai

Vendor Pre-Qualification For 110KV Switchyard Electrical Works name

F. ENVIRONMENTAL, HEALTH & SAFETY	
1) Do you have your own Safety Plan and Safety Policy, If "yes", please give details:	☐ Yes ☐ no
2) Do you have your own Safety Department / Safety Personnel, If "yes"	☐ Yes ☐ no
who is responsible? please give details	
3) Do you have your own in-house Safety Training / Promotional Program, If "yes" who is responsible? please give details:	☐ Yes ☐ no
4) Who is responsible for health, Environmental, Health & Safety matters?	☐ Yes ☐ no
5) By what means have you drawn your policy statement to the attention of all your employees?	☐ Yes ☐ no
6) Do you have documented system for injury / incident reporting,	☐ Yes ☐ no
recording & investigation and findings? If "yes", please give details:	
7) Have managers and supervisors received formal environmental, health & safety training?	☐ Yes ☐ no
8) Describe your arrangements for the selection of sub-contractors:	☐ Yes ☐ no
& safety training?	

HLL BIOTECH LIMITED



Project Integrated Vaccines Complex at Chengalpattu, Chennai



Document name

Vendor Pre-Qualification For 110KV Switchyard Electrical Works

F. ENVIRONMENTAL, HEALTH & SAFETY	
9) Do you have inspection schedules, checklists and registers of plant and	☐ Yes ☐ no
equipment (including electrical equipment and transport?	
10) Do you have Inspection schedules, checklists and registers of workplace hazards & practices?	☐ Yes ☐ no
11) Do you have copies of up to date legislation, codes of practices, guidelines and standards relevant to your activities?	☐ Yes ☐ no
12) Do you have procedures for identifying, assessing and controlling risk associated with manual handling, hazardous substances, plant, permit to work systems, safety and inspection and procedures etc.? If "yes", please give details:	☐ Yes ☐ no
13) Do you conduct periodical safety audits? If "yes", please give details:	☐ Yes ☐ no
14) Give details of any significant safety achievement or award.	☐ Yes ☐ no

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G. TYP	G. TYPES OF SERVICES AND OR CONTRACTS PERFORMED			
Sr. No	Description	Remarks	Comments	
1	110 kV Switchyards Works			
1.1	Supply, Installation, testing and commissioning of 110 KV Switch Yard comprising of Lightning Arrestor, Isolator (With and without Motorized), Potential Transformer, Current Transformer, Busbar, Towers, Neutral Grounding Resistor etc.	☐ Yes ☐ no		
1.2	Supply , Installation , testing and commissioning of 110 KV SF6 Breaker	☐ Yes ☐ no		
1.3	Supply , Installation , testing and commissioning of 110 KV / 11 KV 15 MVA Power Transformer	☐ Yes ☐ no		
1.4	Supply, Installation, testing and commissioning of Control and Relay panel for 110 KV SF6 breaker	☐ Yes ☐ no		
1.5	Supply, Installation, testing and commissioning of 11 KV Main HT Panel, ICOG panels, HT Cables, DG Main Power Panel, HT Termination kit, associated Control cable, DC Power supply unit, UPS system etc.	☐ Yes ☐ no		
1.6	Supply, Installation , testing and commissioning of 110 KV Substation Automation.	☐ Yes ☐ no		
1.7	Civil Foundation of all Substation equipments including Tower	☐ Yes ☐ no		
2	LT Works			
2.1	Supply, Installation, testing and commissioning of 11/0.433 KV Distribution Transformer for power up of 110 KV Substation Auxiliary equipments	☐ Yes ☐ no		

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G. TYPES OF SERVICES AND OR CONTRACTS PERFORMED			
2.2	Supply , Installation , testing and commissioning of 415 V LT Panels , LT cables ,Cable tray , etc	☐ Yes ☐ no	
2.3	Supply , Installation , testing and commissioning of 110 KV Switch Yard and substation Earthing and Lightning protection system	☐ Yes ☐ no	
2.4	Supply, Installation, testing and commissioning of Lighting system with associated accessories and High Mast with accessories, DBs, Cable glands, Structural steel etc.	□ Yes □ no	
2.5	Supply and errection of Facing work around 110 KV Switchyard and providing gravels, earth pit water pipe line, Oil soak pit and associated pipe line etc.	□ Yes □ no	
3	Electrification Works		
3.1	110 KV Substation works	☐ Yes ☐ no	
3.2	Internal and External Lighting works	☐ Yes ☐ no	
3.3	Substation Building Electrification Works	□ Yes □ no	
4	Material Supply		
	Supply of 110 KV Substation Equipments like		
	Lightning Arrestors		
4.1	• Isolators	☐ Yes ☐ no	
	Potential Transformer		
	Current TransformerAluminum Busbars		
	Addition Duspais		

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G. TYPES OF SERVICES AND OR CONTRACTS PERFORMED			
	Structural SteelNeutral Resistor		
4.2	Supply of 110 kV SF6 Breaker	☐ Yes ☐ no	
4.3	Supply of 110KV/11 KV Power Transformer	☐ Yes ☐ no	
4.4	Supply of Control and Relay panel for 110 KV SF6 breaker	☐ Yes ☐ no	
4.5	Supply of HT/LT Switchgear panel	☐ Yes ☐ no	
4.6	Supply of HT/ LT Cables	☐ Yes ☐ no	
4.7	Supply of Cable Trays	☐ Yes ☐ no	
4.8	Supply of Light fixtures , High Mast Accessories	☐ Yes ☐ no	
4.9	Supply of HT Termination kit , Cable gland	☐ Yes ☐ no	
4.10	Supply of Modular switch and Socket outlets, IT and communication outlets, Industrial Socket outlets, Conducting, Flexible Wire/Cable, cat6 / Telephone wire / cable, rack, Network switch, OFC Cable etc.	☐ Yes ☐ no	
4.11	Supply of Earthing system and Lightning Protection system	☐ Yes ☐ no	
4.12	Supply of Cable tray and Cable tray covers	☐ Yes ☐ no	
4.13	Fabrication of Steel supports and other arrangement	☐ Yes ☐ no	
4.14	Supply of Reinforcement , Cement , Sand , gravels and other civil items for preparation of Substation equipments	☐ Yes ☐ no	

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G. TYPES OF SERVICES AND OR CONTRACTS PERFORMED			
	foundation		
4.15	Supply of substation automation software and Hardware	□ Yes □ no	
5	Statutory Compliance		
5.1	CEIG/CEA/Other statutory Approval for 110 KV Switch yard and associated HT and LT Distribution system	☐ Yes ☐ no	
5.2	Load Sanction and other statutory approvals	☐ Yes ☐ no	

HLL BIOTECH LIMITED Project Integrated Vaccines Complex at Chengalpattu, Chennai Document name Vendor Pre-Qualification For 110KV Switchyard Electrical Works



H. ATTACHMENTS			
Sr. No	Please provide the following documents in your submissions:	Remarks	
1	Company Safety Plan & Safety Policy	☐ Yes ☐ no	
2	Company Brochure / Literature	☐ Yes ☐ no	
3	Company Organization Chart	☐ Yes ☐ no	
4	Current Major Work in Progress or Committed	☐ Yes ☐ no	
5	References along-with work value	☐ Yes ☐ no	
6	Balance sheet and profit and loss Account for last 3 financial years	☐ Yes ☐ no	
7	Copy of PAN	☐ Yes ☐ no	
8	Copy of PF registration	☐ Yes ☐ no	
9	Copy of ESI registration	☐ Yes ☐ no	
10	Copy of Service tax registration	☐ Yes ☐ no	
11	Copies of WO/ Completion certificates – for experience.	☐ Yes ☐ no	
12	Copy of customer satisfaction certificate	☐ Yes ☐ no	

NB: SI. No. 6 to 12 all copies should be duly notarized