

**Group Enquiry No. 196E021 dated 21.02.17
(CONTROL PANEL and SAS-PGCIL Bhuj Part I & II)**

INTEGRITY PACT

The Integrity Pact is ENCLOSED as part of the bidding documents and shall be returned by the vendor, duly signed by the authorized official of the vendor and will form part of the Purchase Order/Contract. Only those vendors who have entered into such an IP with BHEL would be competent to participate in the bidding. In other words entering into this pact would be a preliminary qualification.

Name of the Independent External Monitor to be considered (IEM):

- a) IP is a tool to ensure that activities and transactions between the company and its bidders/contractors are handled in a fair, transparent and corruption free manner. A panel of Independent External Monitor (IEMs) have been appointed to oversee implementation of IP in BHEL.

The IP as enclosed with the tender is to be submitted (duly signed by authorized signatory who signs in the offer) along with the techno-commercial bid. Only those bidders who have entered into such an IP with BHEL would be competent to participate in the bidding. In other words, entering into this pact would be a preliminary qualification.

Details of OEM for this tender is furnished below:

Name: Shri V.V.R. Sastry, Ex-CMD/BEL

Address: 957, 9th Main 3 Stage, 3Block

Basaveswaranagar

Bangalore-560079

Email: sastryvvr@gmail.com

Contact No. +91 80 23225150

- b) Please refer section-8 of the IP for role and responsibilities of IEMs. In case of any complaint arising out of the tendering process, the matter may be referred to the IEM mentioned in the tender.

No routine correspondence shall be addressed to the IEM (Phone/Email/Post)

Regarding the clarifications, time extensions or any other administrative queries,

Etc. on the tender issued. All such clarification/issues shall be addressed directly to the tender issuing (procurement) department.

SCHEDULE OF PRICE (Part II)

(BIDDER TO STRICTLY ENSURE SUBMITTING THE PRICE BIDS IN THIS FORMAT)

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A	B	D	E	F	G	H	I	J	K	L
	Name of item	Unit	Qty.	Unit Price Ex-works	Total Ex-Works	Unit F & I	Total F & I	(**)ED @ ____ % of Col6	CST @ ____ % against C-Form of Col (6+9)	Service Tax @ ____ %
1	2	3	4	5	6	7	8	9	10	11
1	BHUJ S/s Part-I :: 765kV Circuit Breaker Relay Panel with Auto reclose	Nos.	5							
2	BHUJ S/s Part-I :: 765kV Circuit Breaker Relay Panel without Auto reclose	Nos.	3							
3	BHUJ S/s Part-I :: 765kV Circuit Breaker Relay Panel without Auto reclose (For Reactor Switching)	Nos.	2							
4	BHUJ S/s Part-I :: 765kV Line Protection Panel	Nos.	2							
5	BHUJ S/s Part-I :: Transformer Protection Panel (For both HV & MV side)	Nos.	2							
6	BHUJ S/s Part-I :: 765kV Reactor Protection Panel	Nos.	3							
7	BHUJ S/s Part-I :: 765kV Bus Bar Protection Panel(Duplicate Busbar protection)	Set	1							
8	BHUJ S/s Part-I :: 400 kV Circuit Breaker Relay Panel With Auto Reclose	Nos.	4							
9	BHUJ S/s Part-I :: 400 kV Circuit Breaker Relay Panel Without Auto Reclose	Nos.	3							
10	BHUJ S/s Part-I :: 400kV Reactor Protection Panel	Nos.	1							
11	BHUJ S/s Part-I :: 400kV Bus Bar Protection Panel(Duplicate Bus bar protection)	Set	1							
12	BHUJ S/s Part-I :: Common Equipments : Time Synchronization Equipment	Set	1							
13	BHUJ S/s Part-I :: Common Equipments : Relay Test Kit (As per Section -II of Technical Specification)	Set	1							
14	BHUJ S/s Part-I :: Complete Substation Automation System for Bhuj Substation as per Technical Specification : Main Bays to be automated : 765kV Bays	Nos.	6							
15	BHUJ S/s Part-I :: Complete Substation Automation System for Bhuj Substation as per Technical Specification : Main Bays to be automated : 400kV Bays	Nos.	8							
16	BHUJ S/s Part-I :: Complete Substation Automation System for Bhuj Substation as per Technical Specification : Tie Bays to be automated : 765kV Bays	Nos.	3							
17	BHUJ S/s Part-I :: Complete Substation Automation System for Bhuj Substation as per Technical Specification : Tie Bays to be automated : 400kV Bays	Nos.	4							
18	BHUJ S/s Part-I :: Complete Substation Automation System for Bhuj Substation as per Technical Specification : 765kV Line reactor Bays	Nos.	2							
19	BHUJ S/s Part-I :: Complete Substation Automation System for Bhuj Substation as per Technical Specification : BCU for Control & Monitoring of Auxiliary System	Set	1							
20	Services for 765/400kV BHUJ S/s Part-I :: Supervision of Testing and Commissioning of protection relays and complete Substation automation system at site. Scope shall be as follows :a) Testing & commissioning of main protection relays and Numerical Busbar protection including Relay parameterization and configuration/reconfiguration. b) Testing & commissioning of SAS system including termination of network/optical cables (complete with all end connectors, tees etc as required). c) For network/optical cables which are in the bidder's scope, the laying of cables shall be in BHEL scope. However, Optical cable will be laid under bidder's supervision. Splicing and Termination shall be in bidder's scope. d) Site acceptance Tests(SAT), Availability Test as per clause 12.0 of Section II Annexure A. e) Arranging all necessary tools , tackles and equipment for protection and communication testing including automatic relay test kit shall be bidder's responsibility. f) Maintenance services as per clause 11.1 of Section II Annexure-A g) Integration of IEC61850 communication based monitoring equipment on 765kV Transformer, 765kV Reactor, 400kV Reactor units as per clause 2.1 of Section I.	Lot	17							
21	Services for 765/400kV BHUJ S/s Part-I :: Testing & Commissioning of remote HMI at RCC/RSCC.	Lot	1							
22	Services for 765/400kV BHUJ S/s Part-I :: Training Charges	Lot	1							
23	Services for 765/400kV BHUJ S/s Part-I :: a) Sketch showing routing of F.O Cable & GI Conduit Pipe giving BOQ (as per Annexure -1 of Section1) b) Relay Setting Calculation , Application checks c) Documentation as per clause 9.0 of Section –II Annexure-A d) Incorporation of complete primary equipment interface in the CRP Schemes submitted by bidder	Lot	1							
24	BHUJ S/s Part-I :: Mandatory Spares : Line protection panel equipment :Main-I Numerical Distance relay (Complete Unit)	Nos.	1							
25	BHUJ S/s Part-I :: Mandatory Spares : Line protection panel equipment :Main-II Numerical Distance relay (Complete Unit)	Nos.	1							
26	BHUJ S/s Part-I :: Mandatory Spares : Transformers Protection Panel : Transformer Differential Protection Relay	Nos.	1							
27	BHUJ S/s Part-I :: Mandatory Spares : Transformer Protection Panel : Restricted Earth Fault protection relay with non- linear resistor	Nos.	1							
28	BHUJ S/s Part-I :: Mandatory Spares : Reactor Protection Panel : Reactor Differential Protection Relay	Nos.	1							
29	BHUJ S/s Part-I :: Mandatory Spares : Reactor Protection Panel : Reactor Back-up Impedance Relay (If Standalone)	Nos.	1							
30	BHUJ S/s Part-I :: Mandatory Spares : Reactor Protection Panel : Reactor Restricted Earth Fault Protection Relay with Non-Linear resistor	Nos.	1							
31	BHUJ S/s Part-I :: Mandatory Spares : Power Supply Module for Busbar Protection (if applicable)	Nos.	1							

	Name of item	Unit	Qty.	Unit Price Ex-works	Total Ex- Works	Unit F & I	Total F & I	(**)ED @ _____ % of Col6	CST @ _____% against C- Form of Col (6+9)	Service Tax @ _____ %
32	BHUJ S/s Part-I : : Mandatory Spares : Busbar Bay Unit module (If Applicable)	Nos.	1							
33	BHUJ S/s Part-I : : Mandatory Spares : Substation Automation System : Bay Control IED of each type	Nos.	1							
34	BHUJ S/s Part-I : : Mandatory Spares : Substation Automation System : Ethernet Switch of each type	Nos.	1							
35	BHUJ S/s Part-II : : 400kV Circuit Breaker Relay Panel with Auto reclose	Nos.	1							
36	BHUJ S/s Part-II : : 400kV Circuit Breaker Relay Panel without Auto reclose	Nos.	2							
37	BHUJ S/s Part-II : : Transformer Protection Panel (For HV, MV & LV side)	Nos.	2							
38	BHUJ S/s Part-II : : 220 kV Circuit Breaker Relay Panel With Auto Reclose	Nos.	1							
39	BHUJ S/s Part-II : : 220 kV Circuit Breaker Relay Panel Without Auto Reclose	Nos.	3							
40	BHUJ S/s Part-II : : 220kV Bus Bar Protection Panel	Set	1							
41	BHUJ S/s Part-II : : Complete Substation Automation System for Bhuj Substation as per Technical Specification : Main Bays to be automated : 400kV Bays	Nos.	2							
42	BHUJ S/s Part-II : : Complete Substation Automation System for Bhuj Substation as per Technical Specification :Main Bays to be automated: 220kV Bays	Nos.	4							
43	BHUJ S/s Part-II : : Complete Substation Automation System for Bhuj Substation as per Technical Specification : Tie Bays to be automated : 400kV Bays	Nos.	1							
44	Services for 765/400kV BHUJ S/s Part-II : : Supervision of Testing and Commissioning of protection relays and complete Substation automation system at site. Scope shall be as follows :a) Testing & commissioning of main protection relays and Numerical Busbar protection including Relay parameterization and configuration/reconfiguration. b) Testing & commissioning of SAS system including termination of network/optical cables (complete with all end connectors, tees etc as required). c) For network/optical cables which are in the bidder's scope, the laying of cables shall be in BHEL scope. However, Optical cable will be laid under bidder's supervision. Splicing and Termination shall be in bidder's scope. d) Site acceptance Tests(SAT), Availability Test as per clause 12.0 of Section II Annexure A. e) Arranging all necessary tools , tackles and equipment for protection and communication testing including automatic relay test kit shall be bidder's responsibility. f) Maintenance services as per clause 11.1 of Section II Annexure-A g) Integration of IEC61850 communication based monitoring equipment on 400kV Transformer units as per clause 2.1 of Section I.	Lot	6							
45	Services for 765/400kV BHUJ S/s Part-II : : a) Sketch showing routing of F.O Cable & GI Conduit Pipe giving BOQ (as per Annexure -1 of Section1) b) Relay Setting Calculation , Application checks c) Documentation as per clause 9.0 of Section –II Annexure-A d) Incorporation of complete primary equipment interface in the CRP Schemes submitted by bidder	Lot	1							
Total										

Note:

1. Vendor to indicate applicable local tax/VAT without as any concessional forms for transaction within the state.local tax/VAT _____
2. Please note that unpriced copy of price bid (i.e. with all price blanked) shall be furnished alongwith techo-commercial bid.
3. Required required copies of format be made & details may be annexed.
4. The prices must be quoted in the prescribed unit only.
5. In case of CST rate against c form shall be quoted.(for detail please refer to terms & conditions).
6. (**) .(For detail please refer to terms & conditions).
7. (****) .(refer technical specification for complete description)
8. Bidder should have to adhere to quote only in this format. Refer clause Note Point No.9 of annexure to GTC, otherwise offer shall be liable to be rejected.

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	Name of item	Tariff No.	Unit	Qty	Unit-CIF {Indian Sea port}}	Total -CIF {Indian Sea port}}.	Unit -FOB (Load port).	Break up of CIF(Indian "Mumbai" Sea port)					Breakup of Inland Transportation			
								Total - FOB (Load port).	Unit-Sea Freight (upto indian Discharge port)	Total-Sea Freight (upto indian Discharge port)	Unit- Insurance(upto indian Discharge port)	Total- Insurance(upto indian Discharge port)	Unit- Freight (from Indian Discharge port to site)	Unit- Insurance (from Indian Discharge port to site)	Total- Freight (from Indian Discharge port to site)	Total- Insurance (from Indian Discharge port to site)
	Total															
NOTE- Discharge Port:- any Indian discharge port preferably Mumbai CIF (indian port) should be equal to "FOB(load port) + Sea Freight (upto indian Sea port) +Insurance(upto Indian Sea port)" Load port to be mentioned by bidder . No of package with Dimensions and type of cargo(/Break Bulk/LCL/FCL) and no. of container (with type of container) required - To be mentioned by bidder. Vendor has to mention tariff no against each item for custom duty purpose. ****refer technical specification for complete specification Bidder has to mentioned the currency of bid clearly in absence of this by default it will be treated as INR Bidder should have to adhere to quote only in this format. Refer clause Note Point No.9 of annexure to GTC, otherwise offer shall be liable to be rejected. Bidder has to mention quoted (in each cell) in unpriced price bid																