



TATA POWER-DDL



PURCHASE ORDER

M/s Alstom T&D India Limited A-7, Sector-65 Noida-201301 Vendor Code : 4400786 Contact No : 011-26389210	PO No. : 3500011489 Release Date : 15.02.2016 Contact Person : Vipin Kumar Contact No. : 9717393121
Consignee Address Tata Power Delhi Distribution Bawana,Keshavpuram Delhi 110039 TIN No. 07880254419	References : a)Our Tender Enquiry bearing Reference No.: TPDDL/ENGG/ENQ/200000511/14-15 dated 12-Aug-2014, responses to Pre-Bid Queries and corrigendum/ addendum if any. b)Your bid submitted on dated 30-Oct- 2014

Subject : Purchase Order for Erection Part of Electrical for Design, Engineering, Testing and Commissioning of New 66/11 kV Bawana-1-Ph-2 Grid (Seven Bay-AIS)on Turnkey/LOT Basis, at Bawana, Delhi.

Dear Sir,

This has reference to the above mentioned correspondence on the subject. We are pleased to place an order with you as under.

- | | | |
|---|-------------------------|-----|
| (i) Technical Specifications | : Annexure I Attached | [X] |
| (ii) Schedule of items / quantities/Rates | : Annexure II Attached | [X] |
| (iii) Completion / major milestone schedule | : Annexure III Attached | [X] |
| (iv) General Conditions of Contract | : Annexure IV Attached | [X] |
| (v) Special Conditions of the Contract | : Annexure V Attached | [X] |
| (vi) Inspection Test Plan | : Annexure VI Attached | [X] |

Completion By :

Order Acceptance:

Kindly acknowledge receipt and acceptance of this Purchase order by signing, stamping and returning one copy to us within next five working days. Simultaneously please arrange submitting required documents/drawings, if any, as well as Security Deposit as stipulated vide above referred contract enclosures.

For Tata Power Delhi Distribution Limited

AUTHORIZED SIGNATORY

Name : *[Signature]* 15/02/16
 Designation : **YOGENDRA SINGH BUTOLA**
 E Code : 90061
 Contact No. : **HOD-Procurement & Contracts**
 E-mail id : **TATA Power Delhi Distribution Ltd.**

Important Note:- 1. In case of any discrepancies between the stipulation in General Conditions of the Contract (GCC), given by the original order and Special Conditions of Contract (SCC), the GCC shall stand superseded by the SCC to the extent stipulated herein above while balance portion of respective clauses of GCC shall continue to be applicable.

Encl: as above

2. This document does not assure or warrant as regards the measurement of performance, non-performance or short performance by the party named as contracting party herein other than TPDDL in relation to the supplies/services or works involved and the same may not be read in support of any contended right or assertion made by such party in relation thereof unless supported with relevant performance certificate issued by TPDDL.

Tata Power Delhi Distribution Limited

(A Tata Power and Delhi Government Joint Venture)

NDPL House, Hudson Lines, Kingsway Camp, Delhi-110009

Tel 91-11-66112222-31 Fax 91-11-27468042

CIN No.: U40109DL2001PLC111526

Email: TPDDL@tatapower-ddl.com, Website: www.tatapower-ddl.com



Status of bills submitted by Business Associates at BIRD counter against our Purchase Orders/ Contracts can now be viewed at our website www.tatapower-ddl.com



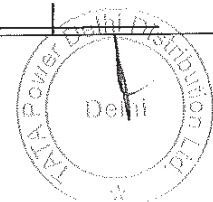
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Annexure II

PO No. : 3500011489

Schedule of Item/ Quantities/ Rate

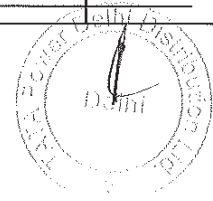
Sr No	MATERIAL CODE DESCRIPTION DETAILS / SPECIFICATIONS	Qty	Unit	Rate	Disc.	Excise Duty %	Tax %	Other Charges	Amount INR
1.000	Grid Electrical - Erection Work								
1.001	ITC of 6/11kv 20/25 MVA 3 Ph, Dyn11 ONA	2	EA						
	ITC for 66/11kv 20/25 MVA 3 Ph, Dyn11 ONAN/ ONAF Transformer with OLTC and outdoor bushings on HV Side and cable box on LV Side with accessories as per scope-66/11 KV Grid 7 bays . Detail scope of work is given in Annexure-1 Technical Specification. Note- PTR, NIDS and 11 KV Power cable shall be free issued by TPDDL. The ITC of NIDS will be in TPDDL scope and ETC of Power Transformer and 11kV Power cable will be in BA scope.								
1.002	ITC of 60 KV, 10 KA station LA	1	LOT						
	ITC of 60 KV, 10 KA station class polymeric lightning arrester as per scope-66/11 KV Grid 7 bays (Detail scope of work is given in Annexure-1 Technical Specification.)								
1.003	ITC of 66KV O/D air insulated LOTable bu	1	LOT						
	ITC work for 66KV O/D air insulated double bus by ACSR zebra conductor as per SLD as per scope-66/11 KV Grid 7 bays (Detail scope of work is given in Annexure-1 Technical Specification.)								
1.004	ITC of Triple Pole, 66 KV O/D SF6 Gas CB	1	LOT						
	ITC work for Triple Pole, 66 KV O/D SF6 Gas Circuit Breaker with support structures as per scope-66/11 KV Grid 7 bays (Detail scope of work is given in Annexure-1 Technical Specification.)								





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Sr No	Material Description Details / Specifications	Qty	Unit	Rate INR	Disc.	Excise Duty %	Tax %	Other Charges	Amount INR
	Specification.)								
1.005	TC of 3 PH ISO with ES	1	LOT						
	ITC of 72.5 KV 1600 A Three Phase, horizontal center break isolator with earth switch as per scope-66/11 KV Grid 7 bays (Detail scope of work is given in Annexure-1 Technical Specification.)								
1.006	TC of 3 PH ISO with out ES	1	LOT						
	ITC of 72.5 KV, 1600 A three Phase isolator without earth switch as per scope-66/11 KV Grid 7 bays. (Detail scope of work is given in Annexure-1 Technical Specification.)								
1.007	TC of 72.5KV out door single phase CT	1	LOT						
	ITC of 72.5KV out door single phase CT 66KV 750-500-250/1/1/1/1/1A 0.2CLASS Outdoor Type as per scope- 66/11 KV Grid 7 bays. (Detail scope of work is given in Annexure-1 Technical Specification.)								
1.008	TC 72.5KV Out door type, single phase VT	1	LOT						
	ITC of 72.5KV Out door type, single phase voltage transformer ratio: 66 KV/1.732/110V/1.732 V/110V/1.732/110V/1.732 as per scope- 66/11 KV Grid 7 bays. (Detail scope of work is given in Annexure-1 Technical Specification.)								
1.009	TC of G.I. Lattice Structure for T&B	1	LOT						
	TC of G.I. Lattice Structure for Tower and beams(including GI Nuts, Bolts & Grouting) for O/D air insulated double bus including grouting as per scope - 66/11 KV Grid 7 bays. (Detail scope of work is given in Annexure-1 Technical Specification.)								
1.010	TC of GI structure for Equipments	1	LOT						
	ITC of GI structure for Equipments								





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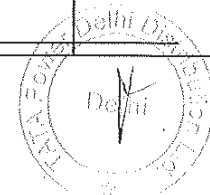
Sr No	Material Description Details / Specifications	Qty	Unit	Rate INR	Disc.	Excise Duty %	Tax %	Other Charges	Amount INR
	i.e. for Isolator, LA, CT, PT, Cable mounting st etc including grouting as per scope- 66/11 KV Grid 7 bays. (Detail scope of work is given in Annexure-1 Technical Specification.)Includes NCT in 11KV side								
1.011	ITC of Bay Marshall ling Kiosks for each	1	LOT						
	ITC of Bay Marshall ling Kiosks for each bay, CT/PT Junction Boxes for individual CT and PT as per scope- 66/11 KV Grid 7 bays. (Detail scope of work is given in Annexure-1 Technical Specification.)								
1.012	ITC of 12kV indoor VCB switchgear panel	1	LOT						
	ITC of 12kV indoor VCB switchgear panel, CT, PT, Isolator etc, all Auxiliaries, as per Spec Compatible with IEC 61850 Protocol (Refer SLD) as per scope- 66/11 KV Grid 7 bays. (Detail scope of work is given in Annexure-1 Technical Specification.)								
1.013	ITC of Control and relay panel board	1	LOT						
	ITC of Control and relay panel board with LDR at both ends and compatible with SCADA as per scope- 66/11 KV Grid 7 bays. (Detail scope of work is given in Annexure-1 Technical Specification.)								
1.014	ITC of SCADA RTU System as per scope	1	LOT						
	ITC of SCADA RTU System as per scope - 66/11 KV Grid 7 bays. (Detail scope of work is given in Annexure-1 Technical Specification.)								
1.015	ITC of AUTO STEP SWITCH CAPACITOR BANK 7	2	ST						
	ITC of AUTO STEP SWITCH CAPACITOR BANK 7.2 MVAR (6 steps) along with Auto Switching Controller panel as per scope- 66/11 KV Grid 7 bays. (Detail scope of work is given in Annexure-1 Technical Specification.)								





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Sr No	Material Description Details / Specifications	Qty	Unit	Rate INR	Disc.	Excise Duty %	Tax %	Other Charges	Amount INR
1.016	ITC of AC SYSTEM as per scope	1	ST						
	ITC of AC SYSTEM as per scope- 66/11 KV Grid 7 bays. (Detail scope of work is given in Annexure-1 Technical Specification.)								
1.017	ITC of DC system as per scope	1	ST						
	ITC of DC system as per scope- 66/11 KV Grid 7 bays. (Detail scope of work is given in Annexure-1 Technical Specification.)								
1.018	ITC of Complete Illumination	1	LOT						
	ITC of Complete Illumination including wiring, hardware & Junction Boxes with astro timer control (All lightning fixtures to be LED type & water tight) as per scope- 66/11 KV Grid 7 bays. (Detail scope of work is given in Annexure-1 Technical Specification.)								
1.019	ITC of Direct Stroke Lighting Protection	1	LOT						
	ITC of Direct Stroke Lighting Protection System as per scope- 66/11 KV Grid 7 bays. (Detail scope of work is given in Annexure-1 Technical Specification.)								
1.020	ITC of Earthing Material as per scope	1	LOT						
	ITC of Earthing Material as per scope- 66/11 KV Grid 7 bays. (Detail scope of work is given in Annexure-1 Technical Specification.)								
1.021	ITC of 11 KV Grade Power Cable	1	LOT						
	ITC of 11 KV Grade Power Cable with termination kits ,cleats and other accessories including all fixing arrangement with hardware (11 KV cable to be free issued) as per scope- 66/11 KV Grid 7 bays. (Detail scope of work is given in Annexure-1 Technical Specification.)								





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Sr No	Material Description Details / Specifications	Qty	Unit	Rate INR	Disc.	Excise Duty %	Tax %	Other Charges	Amount INR
	Specification.)								
1.022	TC of 1.1 KV Grade LT & Control cable	1	LOT						
	TC of 1.1 KV Grade LT & Control cable including D/C glands, Cables with sleeves, ferruling and other accessories including fixing hardware, GI Pipe, Conduits etc suitable to site condition as per scope- 66/11 KV Grid 7 bays. (Detail scope of work is given in Annexure-1 Technical Specification.)								
1.023	TC of Cable tray And Accessories	1	LOT						
	TC of Cable tray And Accessories as per scope- 66/11 KV Grid 7 bays. (Detail scope of work is given in Annexure-1 Technical Specification.) Include hardware, fixing arrangements, paints, ready made bends / Tees								
1.024	TC of Automatic fire detection	1	LOT						
	TC of Automatic fire detection, alarm system ,Fire fighting and safety equipments includes integration with SCADA as per scope- 66/11 KV Grid 7 bays (Detail scope of work is given in Annexure-1 Technical Specification.)								
1.025	TC of Dewatering System includes starter	1	LOT						
	TC of Dewatering System includes starter , necessary hardwares as per standard norms as per scope- 66/11 KV Grid 7 bays .(Detail scope of work is given in Annexure-1 Technical Specification.)								
1.026	TC of Access control & video surveillan	1	LOT						
	TC of Access control & video surveillance system as per scope- 66/11 KV Grid 7 bays .(Detail scope of work is given in Annexure-1 Technical Specification.)								





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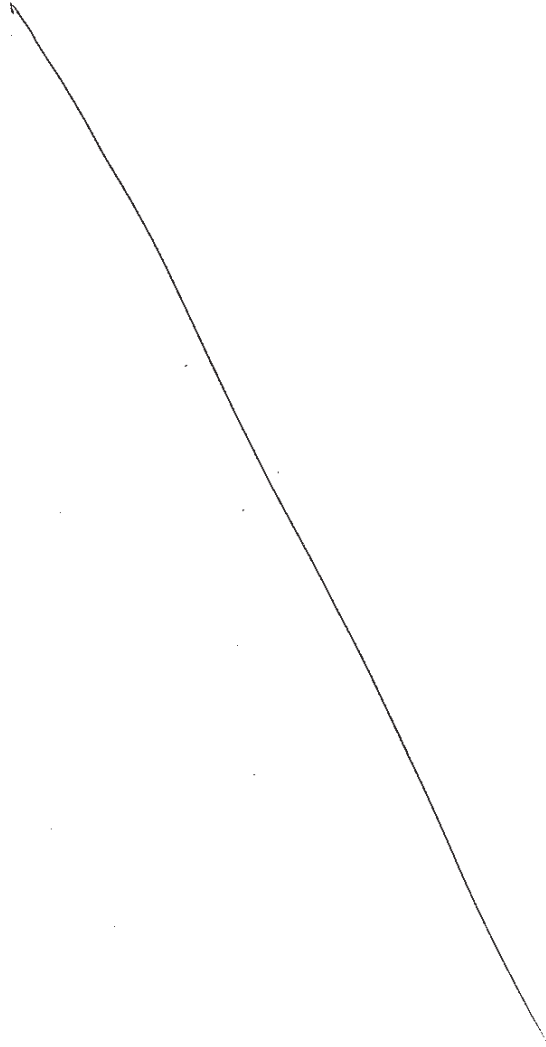
Sr No	Material Description Details / Specifications	Qty	Unit	Rate INR	Disc.	Excise Duty %	Tax %	Other Charges	Amount INR
1.027	TC of Grid sign board as per scope	1	LOT						
	TC of Grid sign board as per scope- 66/11 KV Grid 7 bays (Detail scope of work is given in Annexure-1 Technical Specification.)								
	Service Subtotal								
	Services Total		INR						
	Item Total		INR						
Total PO Value (INR)									





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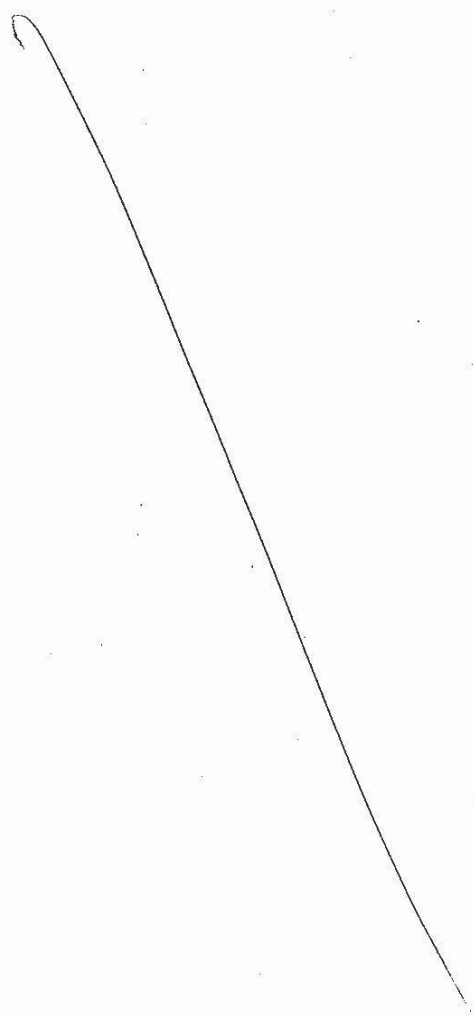
Annexure





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Annexure 3





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Annexure 5

Special Conditions Of Contract

1. Scope:

To establish a 66/11 KV, 7 bay Air Insulated Sub-Station at Sector-L Bawana-1 Ph -II, Delhi, comprising of following bays with equipment's and civil works:

- Four (04) no's Feeder Bay
- Two (02) no's Transformer bay
- One (01) no Bus Coupler bay

Scope of the work includes Design, Engineering, Supply, Installation, Testing and Commissioning and construction of complete sub-station on turnkey basis with future bays as mentioned in Annexure-1.

Note:-Supply of below material is not in Alstom Scope-

- a. Power Transformer
- b. 11 kV Power Cables
- c. NIDS

The ETC of NIDS is also in TPDDL Scope, rest of all activities will be in M/s Alstom SScope. For details scope of work, please refer Annexure-1.

2. Completion Period-

Completion period of Design, Engineering, Supply, Erection, Testing and Commissioning of 2X 25 MVA, 66/11 KV Grid shall be 11 calendar months from the date of issue of firm purchase order by TPDDL, subject to availability of free issue material, site clearance and outage(s) from TPDDL.

Note: As per agreement three separate orders issued for this project vide order No 3500011488, 3500011489 & 3500011490. The Completion period for all three purchase orders will be same as mentioned above. This is turnkey Project if there will be delay at BA end then LD as per GCC will be applicable for total value of all three orders. And if there will be delay at TPDDL end then Time extension for all three POs will be issued after certification by Engineer-In-Charge.

3. Payment Terms-

A. 5% price shall be paid as initial interest free advance on fulfillment of the following by the Associate:

- a)Acceptance of PO/ LOI.
- b)Submission of advance payment BG of 15% of Erection Portion which shall remain valid till the advance is fully adjusted.
- c)Submission of Contract Performance Bank Guarantee of 10% of the Erection portion valid till 30 days after taking over of the works.

B.10% price shall be paid as interest free advance against approval of drawings under Category-A of major drawings, Quality Plans, Pert Chart, Field Quality Plan, posting of Project Manager and commencement of the first mile stone of the work mutually agreed, and submission of a





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Special Conditions Of Contract

true copy of 'All risks' insurance policy taken for the works. The drawing list shall be mutually agreed at the time of award of work.

C.60% price shall be paid against Commissioning on prorated basis against monthly bills.

G.25% shall be paid after successfully Taking Over of the complete systems specified in the enquiry and after reconciliation & adjustment of payments, if any, towards Quantities of materials issued from purchaser's stock and consumed by the contractor for expeditious completion of the job.

The associate shall submit all Operation & Maintenance manuals and "As Built Drawings" etc and shall also submit Equipment Warranty Bank Guarantee (EWBG) equivalent to 10% of contract price before the release of this last payment and return of CPEG. The validity of total EWBG shall 10% of contract value (only Service Part) & period shall be defined as mentioned in the warranty clause of SCC. The associate shall also submit 'No Demand Certificate' at the time of receipt of full and final payment.

4. Prices is inclusive of all Taxes. Detail of Taxes is mentioned in final price submitted by Alstom after negotiation meeting. The Taxes will be applicable as per actual where tax bifurcation is mentioned. The Taxes for Electrical- ED-12.5%, CST-2 % against T-2 form, Service Tax-14%. For Civil- Price is 5.6%.

5. Dispute Resolution & Arbitration: The arbitrator shall be mutually decided.

6. Liquidity Damages- If there will be delay on BA part then LD shall be deducted from this contract only but if LD amount will be more than balance amount of the contract value than LD will be applicable as per GCC.

7. TPDDL has issued 3 separate orders as per below details:

- a. Electrical Supply part
- b. Electrical Erection Part
- c. Civil Part

8. Supply of Power Transformers, SITC of NIDS and supply of 11 kV Power Cables shall be issued by TPDDL. these items are not in BA scope.

9. TPDDL will not give any tax variation where M/s Alstom has submitted all inclusive prices (not given the Tax break up) and for other items where tax break up is given statutory variation will be applicable as per Tender terms.





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Special Conditions Of Contract

10. Warranty Period: - Warranty period of equipments & materials to be supplied shall be as mentioned in the Technical specifications of various Equipments as part of the contract and for all other general materials & services it shall be as mentioned in the attached GCC. Bidder shall submit the applicable EPBG for respective material amount till the end of warranty period.

11. M/s Alstom has to Contact to Eng-In-Charge Electrical (Sh. Biman Ghosh) and Eng-In-Charge- Civil (Sh. Anil Kumar Meena) office at Sector-9 Rohini for Project Execution and Billing related. For Drawing and Engineering related M/s ALstom has to Contact with Sh. DR Dharmadhikari (HOG- Plant Engineering) office at Smart Lab, Sector-15, Rohini.

12. The delivery address for all the equipments will be as given below-
Tata Power Delhi Distribution Limited.
New 66/11 Kv AIS Grid Sub-Station
Bawana-1 Ph-2, Sector-L, Bawana, Delhi

13. All other terms will be same as mentioned in Tender/Specs/Acceptable Deviations if any.

14. Mandatory Spares:-

The List of Mandatory Spares is mentioned in Annexure-1.
For more clarity the payment terms is attached with this PO.

