



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. : 3500011490 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 Civil Work-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]* 15/12/16
YOGENDRA SINGH BUTOLA
Designation : 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of the Contract (GCC), given by the original order and Special Conditions of Contract (SCC), the GCC shall stand superseded by the SCC to the extent stipulated herein above while balance portion of respective clauses of GCC shall continue to be applicable.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

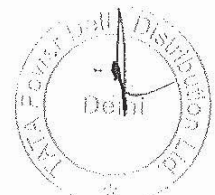
Email: TPDDL@tatapower-ddl.com, Website: www.tatapower-ddl.com



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

Schedule of Item/ Quantities/ Rate

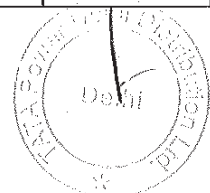
Sr No	MATERIAL CODE DESCRIPTION DETAILS / SPECIFICATIONS	Qty	Unit	Rate	Disc.	Excise Duty %	Tax %	Other Charges	Amount INR
1.000	Grid - Civil Work								
1.001	Site development including dewatering	1	LOT						
	Site development including dewatering (if required), demolition and disposal of malba, site clearance, tree cutting, jungle cleaning, leveling, filling & compacting of the substation area to the desired height, construction of foundations for lighting masts, lighting poles, rain water harvesting systems, earthing, anti-weed treatment of open areas, approach & internal roads etc. for 7 bays including design & engineering complete as per scope of work, approved dwgs. and specifications. Any other civil/structural works which is essential for successful commissioning of the substation shall also be included. (Detail scope of work is given in Annexure-1 Technical Specification.)								
1.002	Construction of boundary wall	1	LOT						
	Construction of boundary wall along the property line with two nos. of gates, access to main gates from outside road through access ramps etc. including design & engineering complete as per scope of work, approved dwgs. and specifications. Any other civil/structural works which is essential for successful commissioning of the substation shall also be included. (Detail scope of work is given in Annexure-1 Technical Specification.)								
1.003	Construction of Switchyard including fou	1	LOT						
	Construction of Switchyard including foundations and other associated civil works for two 66/11KV, 20/ 25 MVA Power								





TATA POWER-DDL

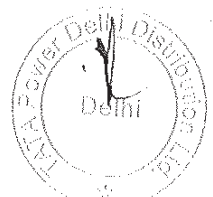
Sr No	Material Description Details / Specifications	Qty	Unit	Rate INR	Disc.	Excise Duty %	Tax %	Other Charges	Amount INR
	Transformers including oil soak pits, outdoor equipment such as capacitor banks, air insulated double bus, current transformers, potential transformers, lightning arrestors, bay marshaling kiosks, CT-PT junction boxes, circuit breakers, isolators, station transformer, mounting structure for cables, fencing of switchyard and other areas like station transformer, capacitor banks, cable trenches in RCC and brickwork with covers & sump pit with pump, cable support structures, earthing, anti-weed treatment, supply and spreading uniformly 20mm nominal size blue stone aggregate in a layer 150mm thick inside the switch yard area over cement concrete in brick ballast 100MM thick 1:6:12 (1 cement : 6 coarse sand : 12 brickballast). etc. for 7 bays including design & engineering complete as per scope of work, approved dwgs. and specifications. Any other civil/structural works which is essential for successful commissioning of the substation shall also be included. (Detail scope of work is given in Annexure-1 Technical Specification.)								
1.004	Construction of substation building	1	LOT						
	Construction of substation building and miscellaneous buildings block for ATPM room, Office room, Store room and a Guard room including all civil, structural, electrical, sanitary & plumbing, fire detection & firefighting works, cable trenches in RCC and brickwork, earthing, anti-termite treatment complete, access through ramps and stairs, boring of one new bore well at a suitable location and providing submersible pump and its control inside the substation building, connecting the same with overhead tank & from overhead tank to all the distributaries system etc. for 7 bays including design & engineering complete as per scope of work, approved dwgs. and specifications. Any other civil/structural works which is essential for successful commissioning of the substation shall also be included. (Detail scope of work is given in								





TATAPOWER-DDL

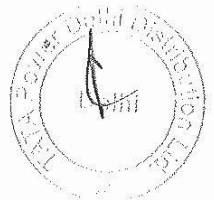
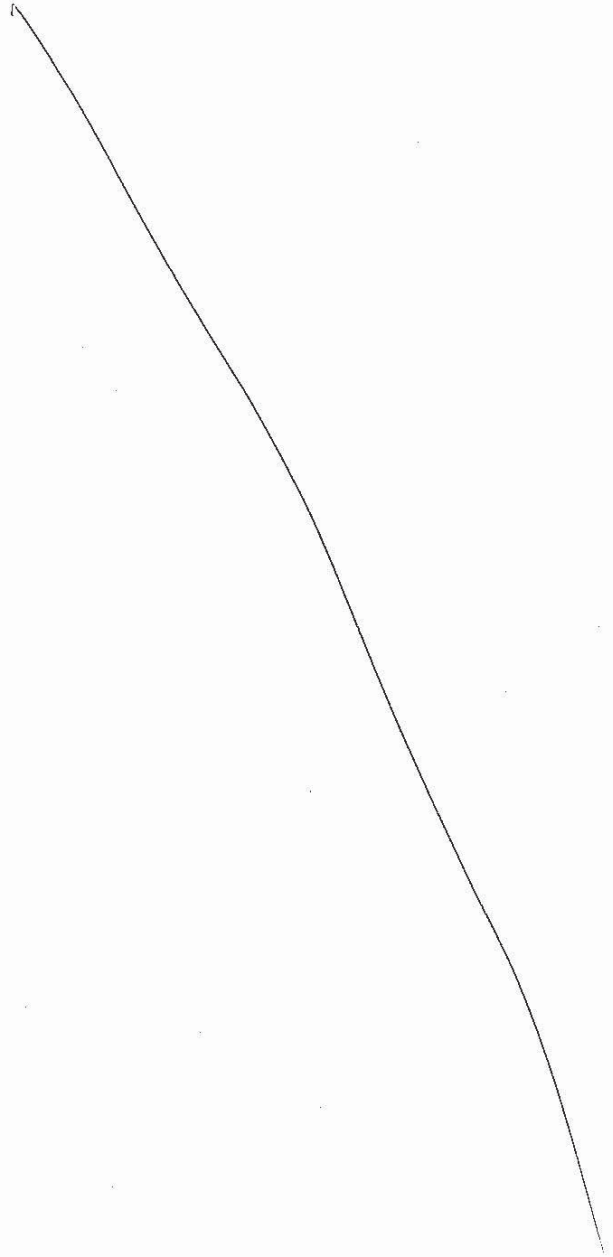
Sr No	Material Description Details / Specifications	Qty	Unit	Rate INR	Disc.	Excise Duty %	Tax %	Other Charges	Amount INR
	Annexure-1(Technical Specification.)								
	Service Subtotal								
	Services Total	INR							
	Item Total		INR						
Total PO Value (INR)									





TATA POWER-DDL

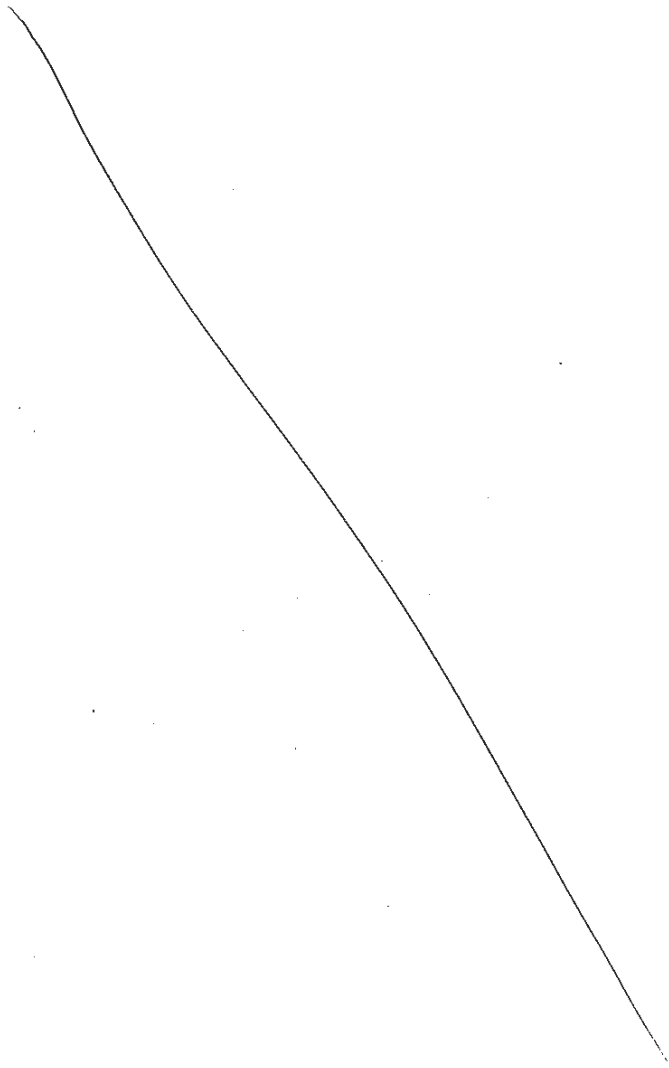
Annexure





TATAPOWER-DDL

Annexure 3





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 Anenxure-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-

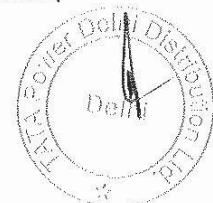
Completion period of Design, Engineering, Supply, Erection, Testing and Commissioning of 2X 25 MVA, 66/11 KV Grid shall be 11 calendar months from the date of issue of firm purchase order by TPDDL, subject to availability of free issue material, site clearance and outage(s) from TPDDL.

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 the civil work price which shall remain valid till the advance is fully adjusted.
 - c)Submission of Contract Performance Bank Guarantee of 10% of the civil work price 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,





TATAPOWER-DDL

Special Conditions Of Contract

Field Quality Plan, posting of Project Manager and commencement of the first mile stone of the work mutually agreed, and submission of a 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.75% of payment shall be paid on mile stone basis mentioned the payment terms in each activity of Price schedule of civil work .

D.10% price shall be paid after successfully Handing Over and Taking of the Project.

Break up of 75% Payment terms as per mile Stone Basis (Civil-14.2 - C)

S.No.Description

1Site development including dewatering (if required), demolition and disposal of malba, site clearance, tree cutting, jungle cleaning, leveling, filling & compacting of the substation area to the desired height, construction of foundations for lighting masts, lighting poles, rain water harvesting systems, earthing, anti-weed treatment of open areas, approach & internal roads etc. for 7 bays including design & engineering complete as per scope of work, approved drawings. and specifications. Any other civil/structural works which is essential for successful commissioning of the substation shall also be included.

Payment Terms

I10% on completion of dewatering (if required), demolition and disposal of malba, site clearance, tree cutting, jungle cleaning, leveling, filling & compacting of the substation area to the desired height.

Ii25% on completion of foundation for lighting masts, lighting poles, RWHS, site drainage.

Iii30% on completion of roads, development of open area.

Iv35% on completion of balance works for development of complete substation site and handing over to TPDDL.

2Construction of boundary wall along the property line with two nos. of gates, access to main gates from outside road through access ramps etc. including design & engineering complete as per scope of work, approved drawings. and specifications. Any other civil/structural works which is essential for successful commissioning of the substation shall also be included.

Payment Terms

I20% on completion of works up to plinth level.

Ii35% on completion of columns, tie beam, entite brickwork, plaster.

Iii45% on completion of entire boundary wall including main gates, RBT and concertina coil and handing over the complete boundary wall to





TATAPOWER-DDL

Special Conditions Of Contract

TPDDL.

3Construction of Switchyard including foundations and other associated civil works for two 66/11KV, 20/ 25 MVA Power Transformers including oil soak pits, outdoor equipment such as capacitor banks, air insulated double bus, current transformers, potential transformers, lightning arrestors, bay marshaling kiosks, CT-PT junction boxes, circuit breakers, isolators, station transformer, mounting structure for cables, fencing of switchyard and other areas like station transformer, capacitor banks, cable trenches in RCC and brickwork with covers & sump pit with pump, cable support structures, earthing, anti-weed treatment, supply and spreading uniformly 20mm nominal size blue stone aggregate in a layer 150mm thick inside the switch yard area over cement concrete in brick ballast 100MM thick 1:6:12 (1 cement : 6 coarse sand : 12 brick ballast). etc. for 7 bays including design & engineering complete as per scope of work, approved drawing. and specifications.

Any other civil/structural works which is essential for successful commissioning of the substation shall also be included.

Payment Terms

I10% on completion of PTR foundations, BOT and firewall.

Ii7% on completion of equipment foundations for each bay (total 49% for 7 bays).

Iii15% on completion of cable trenches.

Iv26% on completion of station transformer foundation, capacitor bank foundation, yard development, yard fencing and balance works complete and handing over of complete switchyard to TPDDL.

4Construction of substation building and miscellaneous buildings block for ATPM room, Office room, Store room and a Guard room including all civil, structural, electrical, sanitary & plumbing, fire detection & firefighting works, cable trenches in RCC and brickwork, earthing, anti-termite treatment complete, access through ramps and stairs, boring of one new bore well at a suitable location and providing submersible pump and its control inside the substation building, connecting the same with overhead tank & from overhead tank to all the distributaries system etc. for 7 bays including design & engineering complete as per scope of work, approved drawings. and specifications. Any other civil/structural works which is essential for successful commissioning of the substation shall also be included.

Payment Terms

I20% on completion of works up to plinth level (excluding trenches).

Ii20% on casting of roof slab.

Iii20% on completion of entire brick work, plaster work, doors and windows.

Iv40% on completion of entire substation building and handing over the same to TPDDL.





TATAPOWER-DDL

Special Conditions Of Contract

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 CPBG. The validity of total EWBG shall 10% of contract value (only Civil 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.

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





TATA POWER-DDL

Special Conditions Of Contract

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, 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.



[Handwritten signature]

