

**PURCHASE ORDER**

M/s SHYAM INDUS POWER SOLUTIONS P.LTD. GSTN No.: 07AAICS3625E1ZH TRANSPORT CENTRE Vendor Code : 4400297 BA Contact Person : BA Contact No. :	PO No. : 3200134251 Release Date : 18.10.2023 Contact Person : Pankaj Kumar Varshney Contact No. : 09810166513
Consignee Address Tata Power Delhi Distribution Limited TPDDL CEN-Store, Opp. C-2 Block, Keshavpuram Delhi 110035 GSTN No. : 07AABCN6808R1ZV	References :

Subject : Release order for replacement of 33kV Isolators, Breakers at Rohtak Road and Rampura against scheme no - PR/E0000/00278

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) Schedule of items / quantities/ Rates : Annexure I Attached []
(ii) Special Conditions of the Contract : Annexure II Attached []

Total PO Value : 2370057.40 INR (TWENTY THREE LAKH SEVENTY THOUSAND FIFTY SEVEN RUPEES FORTY PAISE)

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 :
Designation :
Contact No. :
E-mail id :

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of the Contract (GCC), given by the original order and Special Conditions of Contract (SCC), the GCC shall stand superseded by the SCC to the extent stipulated herein above while balance portion of respective clauses of GCC shall continue to be applicable.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

Annexure I

Schedule of Item/ Quantities/ Rate

Sr No	Material Code Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate	GST %	Other Charges	Amount INR
1.000	Electrical works 1 Year							
1.001	ITC- SF6/VCB Circuit Breaker- 33kV	998736	7	EA	32,504.55	18		227,531.85
	Installation ,testing & commissioning of 36KV ,2000A, 25KA for 3 sec, vacuum Circuit Breaker, 3 Ph gang operated complete with operating mechanism, GI structure, grouting works and other accessories as per the approved drawing. All the Electrical and mechanical interlock of breaker should be available in working condition and should be checked before commissioning. The duty cycle of CBs installed in 33 kV System of the Concessionaire shall be #O-0.3 sec-CO-3 min-CO#. The Surge Arrester shall be suitable for such circuit breaker duties in the system including jumpering/connections . this item also includes ITC of castlekey & interlocking arrangement for breakers & isolators supplied with the equipment.							
1.002	ITC-33kV ISOLATOR-W/O Earth SWITCH	998736	16	EA	15,252.14	18		244,034.24
	Installation ,testing & commissioning of 36KV , 3 Ph gang operated , Manual Operated, Disconnecter (Isolator) with solid core post insulator.-Without earth switch with gear box arrangement and other accessories including jumpering/connections this item also includes ITC of castle key & interlocking arrangement for breakers & isolators supplied with the equipment.							
1.003	ITC-33kV ISOLATOR-WITH Earth SWITCH	998736	4	EA	15,252.14	18		61,008.56
	Installation ,testing & commissioning of 36KV , 3 Ph gang operated , Manual Operated, Disconnecter (Isolator) with solid core post insulator.-With earth switch with gear							

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate INR	GST %	Other Charges	Amount INR
	box arrangement and other accessories including jumpering/connections this item also includes ITC of castle key & interlocking arrangement for breakers & isolators supplied with the equipment.							
1.004	LTC-4Cx2.5sqmm Cu 1100 V grade Cable	998736	2,500	M	62.51	18		156,275.00
	Installation, Testing & Commissioning of Control Cable of 4Cx2.5sqmm Cu 1100 V grade, PVC insulated, PVC sheathed, GI round wire armoured, stranded control cables of 4 core 2.5 sqmm							
1.005	LTC-12Cx2.5 sqmm Cu 1100 V grade cable	998736	2,180	M	62.51	18		136,271.80
	Installation, Testing & Commissioning of Control Cable-12Cx2.5 sqmm Cu 1100 V grade, PVC insulated, PVC sheathed, GI round wire armoured, stranded control cables of 12 core 2.5 sqmm							
1.006	LTC-19Cx2.5 sqmm Cu 1100 V grade cable	998736	1,460	M	79.18	18		115,602.80
	Installation, Testing & Commissioning of Control Cable-19Cx2.5 sqmm Cu 1100 V grade, PVC insulated, PVC sheathed, GI round wire armoured, stranded control cables of 19 Core 2.5 sqmm							
1.007	LTC-2Cx6 sqmm Cu 1100 V grade cable	998736	1,600	M	62.51	18		100,016.00
	Installation, Testing & Commissioning of Control Cable-2Cx6 sqmm Cu 1100 V grade, PVC insulated, PVC sheathed, GI round wire armoured, stranded control cables of 2 Core 6 sqmm (For D.C.)							
1.008	Dismantling of Conductor w/o transport.	998736	150	M	50.01	18		7,501.50
	Dismantling of Conductor with insulators & hardware (per mtr per conductor) including stacking at site as per requirement of Engineer-in-charge. This item excludes transportation to TATA Power-DDL store/site							



Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate INR	GST %	Other Charges	Amount INR
1.009	Dismantling of GI/MS structure as per TA	998736	0.200	TON	10,418.13	18		2,083.63
	Dismantling of GI/MS structure as per TATA Power-DDL project in-charge.							
1.010	SITC of D/C glands and terminations (di	998736	20	EA	3,109.00	18		62,180.00
	SITC of Double compression glands and terminations (including ferruling, suitable Cu Lugs to meet the system requirements) for 1100V grade PVC insulated multicore Copper stranded conductor control cables of the sizes (diameter between 18mm to 24mm) EA means for each cable both ends							
1.011	SITC of D/C glands and terminations (di	998736	25	EA	3,459.00	18		86,475.00
	SITC of Double compression glands and terminations (including ferruling, suitable Cu Lugs to meet the system requirements) for 1100V grade PVC insulated multicore Copper stranded conductor control cables of the sizes (diameter more than 24mm) EA means for each cable both ends							
1.012	SITC of (75 x 12 mm GI flat)	998736	496.790	KG	145.85	18		72,456.82
	Supply, Installation ,testing & commissioning of (75 x 12 mm G I flat) Main Earth mat, Aux Earth mat & Earthing Risers for Main Equipments & structures etc (75 x 12 mm G I flat). This item includes required earth excavation for laying earth flat including weilding etc.if required.							
1.013	SITC of (50 x 6 mm GI flat)	998736	960	KG	140.02	18		134,419.20
	Supply, Installation ,testing & commissioning of (50x6 GI flat) Aux earth material Earthing conductor for connection of , L.T panel, Junction box, & building Lightning risers & peak Connection etc. This item includes required earth excavation for laying earth flat. including weilding etc.if required.							
1.014	SITC-Earthing 100 mm dia GI pipe-6 m	998736	3	EA	29,000.00	18		87,000.00
	Supply, Installation ,testing & commissioning of 100 mm dia GI							



Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate INR	GST %	Other Charges	Amount INR
	pipe-6 meter length earth electrode with treated earth Pit heavy class with Treated Earth Pits. With earth enhancement material as per IEEE80:2000,14.5(D). This item includes civil goomties required for earth pit as per TATA Power-DDL standard earthing philosophy and specification. Earth Enhancement material approval is mandatory before erection activity.							
1.015	Dismantling&removing control cable w/o t	998736	100	M	183.36	18		18,336.00
	Dismantling and removing of EHV/HT U/G cables for grid works from the earth or existing power cable trench. This also includes earth excavation (if required) to dismantle the cable. Dismantled cable keptat the same grid. This item excludes transportation to TATA Power-DDL store/site							
1.016	Dismantling of Equipment like CT, PT, LA	998736	20	EA	6,000.84	18		120,016.80
	Dismantling of Equipment like CT, PT, LA & Isolator Loading, Transportation within 30 Kms, Unloading of same if Required. Insurance during transportation shall be in TATA Power-DDL scope. Dismantlingscope also includes the testing of healthiness of the equipment before handed over to TATA Power-DDL engineer In charge							
1.017	Stringing of ACSR conductor and its conn	998736	250	M	90.00	18		22,500.00
	Stringing of ACSR conductor and its connection with bus ACSR conductor and those equipment which are not covered under other line items of tender BoM.							
1.018	Dismantling of CB including structure	998736	7	EA	24,586.78	18		172,107.46
	Dismantling of CB including structure, Loading, Transportation within 30 Kms, Unloading of same if Required. Insurance during transportation shall be in TATA Power-DDL scope. Dismantling scope also includes thetesting of healthiness of the equipment before handed over to TATA Power-DDL engineer In charge							

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate INR	GST %	Other Charges	Amount INR
1.019	Transportation of various items	998736	3	EA	9,796.00	18		29,388.00
	Transportation of various items from stores to site or from site to site or from site to store including loading and unloading: with tempo 709/410							
	Service Subtotal							1,855,204.66
	Services Total			INR		18.000		
	Item Total			INR				2,189,141.50
2.000	Civil works 1 Year							
2.001	Demolishing cement concrete: 1:4:8	998736	1	M3	2,333.66	18		2,333.66
	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix (if equivalent design mix)							
2.002	P&L position cement concrete 1:4:8	998736	1	M3	7,500.00	18		7,500.00
	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (Zone - III) : 8 graded stone aggregate 40 mm nominal size).							
2.003	Centering and shuttering Foundations, fo	998736	3	M2	400.00	18		1,200.00
	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Foundations, footings, bases of columns, etc. for mass concrete.							
2.004	Centering and shuttering Walls (any thick	998736	10	M2	600.00	18		6,000.00
	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.							

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate INR	GST %	Other Charges	Amount INR
2.005	P&L machine ba M-25 upto plinth level	998736	3	M3	10,900.00	18		32,700.00
	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note :- Min. Cement content shall be 350 KG/M3.) All works up to plinth level.							
2.006	P&L reinforced cement concrete 1:1.5:3	998736	1	M3	12,200.00	18		12,200.00
	Providing , hoisting and fixing precast reinforced cement concrete 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stoned aggregate 20mm nominal size) in Cable Trench covers/Lintels including cost of centering, shuttering and finishing with nEA cement punning on top surfaces (excluding reinforcement)							
2.007	Structural steel work riveted, bolted	998736	100	KG	110.00	18		11,000.00
	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.							
2.008	12 mm cement plaster of mix for all heig	998736	5	M2	375.05	18		1,875.25
	12 mm cement plaster of mix for all heights: 1:4 (1 cement: 4 fine sand)							
2.009	15 mm cement plaster on the rough side o	998736	5	M2	441.73	18		2,208.65
	15 mm cement plaster on the rough side of single or half brick wall of mix for all heights: 1:4 (1 cement: 4 fine sand)							

Sr No	Material Description Details / Specifications	HSN / SAC Code	Qty	Unit	Rate INR	GST %	Other Charges	Amount INR
2.010	Collecting, stacking , screening & respr	998736	2	M3	1,500.00	18		3,000.00
	Collecting, stacking , screening & respr EAding of existing yard gravel stone.							
2.011	P&L C.C in brick ballast 1:6:12	998736	2	M3	5,500.00	18		11,000.00
	Providing & Laying C.C in brick ballast in 1:6:12 (1 Cement : 6 Coarse Sand : 12 Brick aggregate) mix. (E)							
2.012	Disposal of building rubbish / malba / s	998736	5	M3	458.40	18		2,292.00
	Disposal of building rubbish / malba / similar unservicEable, dismantled or waste materials by mechanical mEAns including loading, transporting, unloading to approved municipal dumping ground or as approved byEngineer-in-charge, for all loads including all lifts involved.							
2.013	Painting with synthetic enamel paint	998736	150	M2	400.06	18		60,009.00
	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : One or more coats on old work.							
	Service Subtotal							153,318.56
	Services Total			INR		18.000		
	Item Total			INR				180,915.90
Total PO Value (INR)								2,370,057.40

Annexure II

Special Conditions Of Contract

Amendment 2:

1. RC 2nd Year Value of Rs 1,86,71,709/- topped up with total RC value for Rs - 3,73,43,419/-.
2. All other terms and conditions shall remain the same as earlier.

Original SCC

Amendment 1:

1. Time Extension is approved upto 05-05-2024.
2. All other terms and conditions shall remain the same as earlier.

Original SCC

1) Completion Period:-

Completion Schedule for the electrical and civil & structural works including final commissioning shall be as per below from the date of issue of LOI/RO whichever is earlier as under. The completion period is in calendar months from the date of start. The start date shall be reckoned from the date of issue of LOI /RO whichever is earlier.

- a. PTR additional bay 33 & 66 KV Outdoor Grid- 7 Month from date of issue of LOI/RO.
- b. PTR Augmentation work at 33 kV or 66 kV Grid- 7 Month from date of issue of LOI/RO
- c. 66 or 33 kV Line Bay- 7 Month from date of issue of LOI/PO
- d. For other services like Dismantling, Loading, Unloading, Transportation, dragging of PTR and Erection of PTR related services for various site for TPDDL.- The completion period shall be decided at the time of ordering after discussion with user group.

Note: Above completion period shall be subject to site clearance, availability of outages, availability of free issue material and other commissioning activity linked with this job and executed by other associates (ie. Cap Bank, 66 kV C&R Panel, 11 kV Panel etc.)

2) Payment Terms & Conditions:

A. 80% of the RO price on Account Basis shall be paid against mechanical completion of supply & erection on prorata basis against monthly bills.

B. 20% payment of the RO price shall be paid after completion of

Special Conditions Of Contract

acceptance test and 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 Contractor shall submit all Operation & Maintenance manuals and #As Built Drawings# etc and shall also submit Equipment Warranty Bank Guarantee (EWBG) as per GCC. The validity of EWBG shall be for a period of 18 months from the date of taking over of the works. The associate shall also submit No Demand Certificate at the time of receipt of full and final payment.

3) PBG:

BA shall initially submit a PBG for 5% of RC value valid till RC validity period plus one month.

After the expiry of RC validity, BA shall have to submit SPBG. However, the BA has the option to re-submit the SPBG as per actual RO (Release Order) value issued against the RC, valid for Guarantee Period plus one month.

The Guarantee Period shall be considered as per the last RO issued against the said RC. The original SPBG as submitted against the RC shall be released on submission of the new SPBG to Tata Power DDL. Alternatively, BA may extend the validity of original SPBG only till the requisite period, i.e. Guarantee Period plus one month.

- The validity of this rate contract shall be 2 years from date of issuance. Initially, the proposed rates shall be valid for first year. However for second year, there will be an increment of 5% on first year item rates.

-The scope of supply items- includes design, Engineering, Manufacturing; testing, loading, unloading, transportation to site storage, preservation, insurance, along with supply of all accessories, tools, spares, O(>&<)M catalogs for successful ITC is in the scope of Bidder.

-Extra item shall be informed to TATA Power-DDL engineering team timely (before execution), else same may not be considered.

-Primarily layout of the job allotted shall be submitted by the bidder to TPDDL for approval. After approval of the same all the system engineering shall be done by TPDDL except the equipment drawings engineering which is in bidder scope. No extra cost shall be paid for this by TPDDL. Time lines for primarily layout is 14 days from the date of order. TATA Power-DDL will take upto 7 days to revert on the submitted drawing and 4 days for subsequent submissions.

Special Conditions Of Contract

-Real time video surveillance for monitoring the site and enhancing the safety during execution is must for each order (Line and PTR bay only). In failure of the same, 95000 INR shall be deducted from the PO/RO as penalty.

-Site work barricading (as per TATA Power-DDL safety practices) to be provided.

-As-built drawings (hard+soft+Auto CAD) to be submitted by bidders after the completion of the works. No extra cost for the same to be paid by TATA Power-DDL. In failure of the same, necessary action shall be taken by TATA Power-DDL.

Guarantee period shall be 6 months from the date of HOTO.

GCC Composite will be applicable as per Tender-
TPDDL/ENGG/ENQ/200001348/21-22.

All SCC, SLA and Scope of work as per Tender-
TPDDL/ENGG/ENQ/200001348/21-22 shall be applicable and is annexed with this RC.

All other terms and conditions of this contract shall remain same as mentioned in tender no- TPDDL/ENGG/ENQ/200001348/21-22/ pre-bid queries/ corrigendum/ acceptable deviation if any.