

**RDSO HQ-S AND T/RDSO
TENDER DOCUMENT**

Tender No: STTTMSRDSOGPON-2022

Closing Date/Time: 14/08/2023 15:00

DG/RDSO acting for and on behalf of The President of India invites E-Tenders against Tender No **STTTMSRDSOGPON-2022** Closing Date/Time 14/08/2023 15:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

1. NIT HEADER

Name of Work	Provision of Gigabit Passive Optical Network (GPON) for RDSO Residential Area at RDSO Phase-II		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	14/08/2023 15:00	Date Time Of Uploading Tender	23/07/2023 17:17
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	21005471.64	Tendering Section	TMS
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par
Earnest Money (Rs.)	255000.00	Validity of Offer (Days)	60
Tender Doc. Cost (Rs.)	0.00	Period of Completion	365 Days
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	31/07/2023	Are Joint Venture (JV) firms allowed to bid	No
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Capital (Works)

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule 1 -Provision of Gigabit Passive Optical Network (GPON) for RDSO Residential Area at RDSO Phase-II							21005471.64	
1	1	1.00	Set	759227.26	759227.26	AT Par	759227.26	
	Description:- Supply and Installation of 24 Port 1000Mbps SFP Layer 3 Switch including 16 Gigabit Combo ports, 8 Gigabit SFP additional 4 x 1G/10G SFP+ ports, 2 x 20G stacking ports. Supports Dual Hot Swappable Power Supplies. (Default Shipped with Dual Power Supply). Supports OSPF v2/v3, BGP4+, VRRP. Loaded with 04 nos. 10GE SFP+ LR Transceiver, LC type as per technical Specifications Annexure 'A'							
2	2	1.00	Numbers	380541.00	380540.99	AT Par	380540.99	
	Description:- NMS/EMS Software Window based as per technical Specifications Annexure 'A'							
3	3	15.00	Numbers	18817.50	282262.50	AT Par	282262.50	
	Description:- Supply and installation of IP65 Rated outdoor location box with power dB, Tray as per technical specification Annexure 'A'							
4	4	3.00	Numbers	1652380.00	4957140.00	AT Par	4957140.00	
	Description:- Supply & Installation of GPON OLT with 8 PON SFP ports, 8 Giga Ethernet Ports, 6 Giga SFP ports and 2 Giga SFP+ Ports as per technical specifications Annexure 'A'							
5	5	220.00	Numbers	188.18	41398.50	AT Par	41398.50	
	Description:- Supply and installation of UTP Patch cord (2Meter) as per technical specifications Annexure 'A'.							
6	6	40.00	Numbers	2393.20	95728.00	AT Par	95728.00	
	Description:- Supply & Installation of PATCHCORD, SM(OS2), DUPLEX SC-SC, PC TYPE, 2M as per technical specifications Annexure 'A'							
7	7	15.00	Numbers	6613.15	99197.18	AT Par	99197.18	
	Description:- Supply & Installation of FIBER DRAWER LIU, LOADED, 24SM, SC SX ADAPTER as per technical specifications Annexure 'A'							
8	8	12.00	Numbers	75841.28	910095.36	AT Par	910095.36	
	Description:- C++ PON SFP as per technical specifications Annexure 'A'.							
9	9	5000.00	Metre	74.08	370415.25	AT Par	370415.25	
	Description:- Supply of 06 core Single Mode armoured Optical Fiber Cable as per technical Specifications Annexure 'A'							

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10	10	10.00	Numbers	91568.85	915688.50	AT Par	915688.50	
	Description:- 1G Copper SFP as per technical specifications Annexure 'A'.							
11	11	10.00	Numbers	25862.00	258620.00	AT Par	258620.00	
	Description:- Supply & Installation of FIBER DRAWER LIU, LOADED,48SM, SC SX ADAPTER,48 Pigtails as per technical specifications Annexure 'A'							
12	12	20.00	Numbers	3935.27	78705.40	AT Par	78705.40	
	Description:- Supply and installation of OFC splitter- Loaded with 1:16 PLC Splitter pre terminated with SC/APC connectors and adaptors							
13	13	20.00	Numbers	3555.06	71101.20	AT Par	71101.20	
	Description:- Supply and installation of OFC splitter- Loaded with 1:8 PLC Splitter pre terminated with SC/APC connectors and adaptors							
14	14	260.00	Numbers	434.25	112905.00	AT Par	112905.00	
	Description:- Supply & Installation of Pigtail, Single Mode (OS2), LSZH Type as per technical Specifications Annexure 'A'							
15	15	5000.00	Metre	57.71	288535.00	AT Par	288535.00	
	Description:- Supply of FTTH DROP CABLE, SM,2 CORE, LSZH as per technical specifications Annexure 'A'							
16	16	220.00	Numbers	386.00	84920.00	AT Par	84920.00	
	Description:- Supply and installation of OFC I/O as per technical specifications Annexure 'A'.							
17	17	220.00	Numbers	434.25	95535.00	AT Par	95535.00	
	Description:- Supply & Installation of PIGTAIL, SM(OS2), SIMPLEX SC, PC TYPE, 1M, LSZH							
18	18	220.00	Numbers	434.25	95535.00	AT Par	95535.00	
	Description:- Supply & Installation of ADAPTER, SM, SIMPLEX SC, PC TYPE as per technical Specifications Annexure 'A'							
19	19	220.00	Numbers	1635.68	359848.50	AT Par	359848.50	
	Description:- Supply & Installation of B4 Patch cords SC/PC in HTB							
20	20	220.00	Numbers	20148.24	4432612.80	AT Par	4432612.80	
	Description:- Supply & Installation of GEAPON/GPON ONU AC1200 WiFi Router with 1PON, 1GE & 1FE, 1FXS Port as per technical specifications Annexure 'A'							
21	21	5000.00	Metre	403.37	2016850.00	AT Par	2016850.00	
	Description:- Laying of 06 core Single Mode armoured Optical Fiber Cable in HDPE pipe with digging and blowing							
22	22	5000.00	Metre	77.20	386000.00	AT Par	386000.00	
	Description:- Laying of 02 core Single Mode armoured Optical Fiber Cable in Conduit pipe with digging							
23	23	364.00	CORE	188.18	68495.70	AT Par	68495.70	
	Description:- Termination of Fiber Cable in LIU Splicing of fiber with pigtail on site as per network							
24	24	5.00	Kilometre	91539.90	457699.50	AT Par	457699.50	
	Description:- Supply of HDPE duct for 02 core, 06 core and 24 core OFC cables							
25	25	1200.00	Per Unit	279.85	335820.00	AT Par	335820.00	
	Description:- Splicing of 02 core, 06 core and 24 core OFC							
26	26	400.00	Metre	1399.25	559700.00	AT Par	559700.00	
	Description:- Horizontal direction drilling/boring without damage of surface road /track using Auger Machine (HDD machine). The bore shall be upto 200 mm dia & shall be done at the depth of minimum 1200 mm from the ground level. The ground level shall be considered ignoring the bank height of the bank of the road. The length of the bore shall be minimum 4 Mtrs long. This include insertion of different dia DWC-HDPE pipe/ GI pipes coupling etc. as per direction of Engineer In charge							
27	27	1.00	Job	225810.00	225810.00	AT Par	225810.00	
	Description:- Testing and commissioning of complete GPON system as per scope and instructions of Engineer In Charge							
28	28	2000.00	Metre	109.80	219600.00	AT Par	219600.00	
	Description:- PVC CONDUIT PIPE 25mm with accessories							
29	29	350.00	Numbers	5268.00	1843800.00	AT Par	1843800.00	
	Description:- SITC of Power Bank for ONU as per technical Specifications Annexure 'A'							
30	30	500.00	Metre	403.37	201685.00	AT Par	201685.00	
	Description:- Laying of 24 core Single Mode armoured Optical Fiber Cable in HDPE pipe with digging and blowing							

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3. ITEM BREAKUP

No item break up added

4. ELIGIBILITY CONDITIONS

Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Tenderer shall submit all mandatory documents as mentioned in SN-17 of Chapter III Special Condition of Contract at the time of bid, else the offer of tenderer shall be treated as rejected.	No	No	Allowed (Mandatory)

Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The tenderer must have successfully completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: Three similar works costing not less than the amount equal to 30% of advertised value of the tender, or Two similar works costing not less than the amount equal to 40% of advertised value of the tender, or One similar work costing not less than the amount equal to 60% of advertised value of the tender.	No	No	Allowed (Mandatory)

Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Local content (LC) shall be as per Table-A (List of telecom product, Services and works) issued by Department of Telecommunications, Ministry of communications vide notification published in the Gazette of India Extraordinary (Part I Sec. I), New Delhi, the 29th August-2018. Please give percentage of MII content alongwith documentary evidence.	No	No	Allowed (Mandatory)

Special Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As Per Tender Document.	No	No	Allowed (Mandatory)

Submission of Document Verification Certificate

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please submit a certificate in the prescribed format (please download the format from the link given below) for verification / confirmation of the documents submitted for compliance of eligibility / qualifying criteria. Non submission of the certificate, or submission of certificate either not properly filled in, or in a format other than the prescribed format shall lead to summary rejection of your offer. (Click here to download the Format of Self Certification)	No	No	Allowed (Mandatory)

5. COMPLIANCE

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.	No	Yes	Allowed (Optional)

General Instructions

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S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	For those conditions for which standard formats have been given in the uploaded documents titled Formats for uploading of various format.The information should only be submitted in these standard formats.	No	No	Not Allowed
2	Rates are inclusive of all taxes/octroi,license fee, royalty charges etc legally leviable by state , Central Govt and/or any other local authority.	No	No	Not Allowed
3	Certificates from private individuals for whom such works are executed being executed is not acceptable.	No	No	Not Allowed
4	Tenderers are required to submit authenticated certificate along with the tenders from officers of govt or semi-govt/public sector undertaking under whom the work has been executed indicating there in the name of work executed, value of works/payment details and period during which completed. Such certificate should have signature and seal of the concerned officer. in the absence of such certificate the tender may not be considered.	No	No	Not Allowed
5	Tenderer shall submit all the documents in support of minimum eligibility criteria/ credentials along with the tender offer. no document in support of minimum eligibility criteria/credential will be considered /accepted /entertained after closing of tender and the decision will be taken based on the document submitted by the tenderer along with the offer only.	No	No	Not Allowed

Technical-Compliances

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Submission of details of the qualification and experience of the personal identified for execution of work.	Yes	No	Allowed (Mandatory)
2	Submission of list of construction machinery, tools & plants, test & measuring instruments etc. required for execution of work.	Yes	No	Allowed (Mandatory)
3	Submission of list of works in hand with details of location & it's value.	Yes	No	Allowed (Mandatory)

6. Documents attached with tender

S.No.	Document Name	Document Description
1	GPONTenderPhase-II_1.pdf	GPON Tender

This tender complies with Public Procurement Policy (Make in India) Order 2017, dated 15/06/2017, issued by Department of Industrial Promotion and Policy, Ministry of Commerce, circulated vide Railway Board letter no. 2015/RS(G)/779/5 dated 03/08/2017 and 27/12/2017 and amendments/ revisions thereof.

As a Tender Inviting Authority, the undersigned has ensured that the issue of this tender does not violate provisions of GFR regarding procurement through GeM.

Signed By: VIJAY GARG

Designation : Dir Tele-I