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**भारत संचार निगम लिमिटेड**  
( भारत सरकार का उपक्रम )  
**BHARAT SANCHAR NIGAM LIMITED**  
(A Govt. of India Enterprise)

( Corporate Office ) ( MM Cell )  
2nd Floor , Bharat Sanchar Bhawan  
Janpath, New Delhi-110001

PO. No. MT/PO/05/2016-17

Dated: 23-03-2017.

File No.33-01/2015-MMC/Vol-II/161

Purchase Order for procurement of "add on order" of Quad E-1 cards and up gradation of IP Capacity up to 20 Mbps for bandwidth saving satellite modem already supplied against PO no:- MT/PO/01/2015-16/ Dated 07.04.2015 .for Bandwidth saving, 8 Mbps, Satellite Modems along with associated equipment.

- 1 **Name and Address of the contractor** : M/s Shaf Broadcast Pvt. Ltd.,  
B-4/142, Second Floor, Safdarjung Enclave,  
New Delhi-110029  
(Hereafter referred to as Contractor)
- 2 **Purchaser** : BSNL CO New Delhi. ( Herein after referred to Purchaser )
- 3 **Purchaser's reference** : i) BSNL TE No: CA/Radio/Satellite Modems (8 Mbps)/T-482/2014 issued on 16/09/2014.  
ii) APO NO: MT/APO/03/2016-17 dated: 28.12.2016
- 4 **Contractor 's reference** : i) Your APO acceptance letter SHAP/BSNL/Satellite Modems(8mbps)/1201 dated 12-01-17 against the APO No: MT/APO/01/2016-17 dated: 28-12-16.
- 5 **Scope of the order** : Purchase Order for procurement of "add on order" of Quad E-1 cards and up gradation of IP Capacity for Bandwidth saving, 8 Mbps, Satellite Modems along with associated equipment as detailed and as per prices given in the Annexure-'A' and as per the terms and conditions & references given in this Purchase Order.
- 6 **TSEC of the equipment** i) The equipment supplied by the bidder against the tender shall conform to TE GR as mentioned in Section 3 and clause 1 of section 5 PART B of TE to be read along with its clarification, amendment & other related clauses wherever applicable.
- 7 **Prices** i) The prices shall be governed as per the Clause No. 12 of Section-5 Part A of General (Commercial) condition of contract of the bid document.  
ii) Total ordered price (100% provisional) shall be Rs. 10810404 (Rupees One Crore Eight Lacs Ten thousand Four Hundred and Four ) only as per details given in Annexure-A attached and are inclusive of all levies and taxes i.e. Sales Tax, Custom Duty, packing and forwarding, freight and insurance and other statutory duties/levies etc. but excluding octroi/entry tax which will be paid extra as per actuals, wherever applicable. The final prices shall be as per applicable duties/taxes of budget 2016-17.  
iii) The supplier shall furnish the requisite details/documents (as per CENVAT credit rules) of the various taxes and duties paid.
- 8 **Delivery Schedule** i) Delivery of the goods and documents shall be completed within Three (3) months from the date of issue of Purchase Order. The equipment is to be delivered at site as per details to be given in the purchase order. The time specified for delivery of goods includes time specified for obtaining TSEC also.  
ii) With reference to Clause 13 of Section 5 A of bid document, in case of change of place of delivery no additional cost will be payable. The equipment is to be packed in such a manner so that there is no damage during transportation.

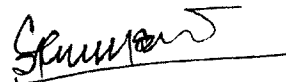
- 9 **Liquidated Damages:** : As per clause 16 of Section-5 Part A of the bid document i.e. General Commercial Conditions of the Contract
- 10 **Delays in the Supplier's Performance** : As per clause 15 of Section-5 Part A of the bid document i.e. General Commercial Conditions of the Contract
- 11 **Inspections & Tests** : Physical Inspection shall be carried out by QA wing of BSNL and testing on sample basis will be done on field.
- 12 **Mode of Transportation** : By Road or Rail.
- 13 **Packing** : The supplier shall ensure that the equipment is securely and adequately packed to ensure safe arrival at the destination fully withstanding all hazards such as rough handling etc. during transit.
- 14 **Insurance** : The equipment shall be got insured by the supplier upto the time it is delivered to the consignee. The supplier will be responsible, till the entire quantity of stores ordered, for arrival in good working condition at destination is received by the consignee. The consignee will immediately but not later than the prescribed period of insurance on arrival of the stores at the destination notify the supplier of any loss/damage to the stores that may have occurred during transit. The period of insurance cover will be indicated by the supplier to the consignee/Paying authority. In case of any loss/damage during the transit, the case will be lodged by the supplier with the concerned authority on receipt of report from the consignee/paying authority. The stores should on no account be dispatched/delivered without getting the same tested/accepted by the QA (Inspection & Testing) wing of BSNL.
- 15 **Payment Terms:** a) The payment shall be released as per terms and conditions mentioned in the clause 5 of section-2 of the bid document:

Milestone	Payment to be released
After receipt of the equipment materials at sites in good condition.	90% of the cost of equipment
After one year from the date of Commissioning of equipment.	Remaining 10% of the cost of equipment

- Note:-** Against mile stone (ii) above balance payment can be released by paying authority to the following conditions :-
- i) Supplier shall submit additional Bank Guarantee of equal amount for the period of 13 months from the date of receipt of equipment.
  - ii) An undertaking as per provision in the tender clause 11.2.1 of section 5 part A of tender document shall be submitted by the supplier
- b) Payment will be made as specified in Clause 5 of Section 2 of the tender. For claiming the payment on receipt of goods by the consignee, following documents are to be submitted to the paying authority.
- i) Invoice clearly indicating break up details of composite price i.e. Basic, E.D., Sales Tax, any other Duties and Taxes, Freight /Packing Charges, Service Tax etc.
  - ii) Acknowledged Delivery Challan.
  - iii) Supplier certificate for dispatch

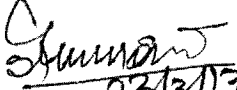
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- iv) Excise gate pass / invoice or equivalent document viz. Custom invoice, if applicable.
  - v) Inspection certificate of QA
  - vi) Proof of payment of octroi / entry tax etc., if applicable
  - vii) The sea freight receipt as per the rates approved by the Ministry of Water and Surface Transport, if applicable.
  - c) If the supplier fails to furnish necessary supporting documents i.e. excise/customs invoices etc. in respect of the Duties/Taxes which are leviable, the amount pertaining to such Duties/Taxes will be deducted from the payment due to the firm.
  - d) In case there are damage /shortages the consignee shall intimate the supplier in writing, who will take necessary action to collect the material at his own cost & replace the same. The balance payment shall be released only after the cases are settled in accordance with the provision of the PO.
  - e) Form 'C' and also a certificate stating that the tendered item (stores) are meant for the use of BSNL shall be provided by the purchaser on the request of the bidder as and when asked for.
  - f) No payment will be made for goods rejected at the site on testing.
  - g) The payments are subject to confirmation of the final price from the tendering authority/BSNL wherever provisional prices is conveyed.
- 16 **Performance Bank Guarantee**
- i) M/s Shaf have submitted the Performance Bank Guarantee No. PBG/2017/1 dated: 06-01-17 and PBG/2017/ 75 dated 3-3-2017 of an amount Rs 4,80,000.00 and Rs 61000/- respectively issued by Corporation Bank, Greater Mumbai Zonal Office, 28, Mittal Chambers, Nariman Point, Mumbai-400021 valid upto 05-01-2020.
  - ii) Further extension of validity of PBG will be arranged by the supplier as and when required for ensuring performance of contract.
- 17 **Consignee and Paying Authority**
- i) As per Annexure B
  - ii) The paying authority shall release the payment only on the basis of ink-signed copy of the Purchase Order.
- 18 **Warranty** : Validity of warranty as per Clause 29 of Section 5 Part B of the captioned TE.
- 19 **Training** : As per Clause 9 of Section 5 Part B of bid document.
- 20 **Set Off** : As per Clause 21 of Section 5 Part A of bid document i.e. General Commercial conditions of the contract.
- 21 **Arbitration** : As per clause 20 of Section 5 Part A of bid document i.e. General Commercial conditions of the contract.
- 22 **Court Jurisdiction**
- (i) Any dispute arising out of the tender/ bid document/ evaluation of bids/ issue of PO shall be subject to jurisdiction of the competent court at the place from where the NIT/ tender has been issued.
  - (ii) Where a contractor has not agreed to arbitration, the dispute/ claims arising out of the Contract/ PO entered with him shall be subject to the jurisdiction of the Competent Court at the place from where Contract/ PO has been issued. Accordingly, a stipulation shall be made in the contract as under: 'This Contract/ PO is subject to jurisdiction of Court at Delhi only'.
- 23 **Conditions of contract**
- i) As enumerated in the PO & all term and conditions of the bid document of TE No. CA/Radio/Satellite Modems (8 Mbps)/T-482/2014 issued on 16/09/2014 read to be along with all terms, clarifications, amendments etc issued under the said TE time to time.



- ii) The purchase order is being issued after signing of template security agreement.
- iii) Rest all other terms & conditions shall be as per the above referred TE to be read along with clarifications/amendments etc. issued time to time.

This is issues with the approval of competent authority

  
23/3/17  
Asstt. General Manager (MT)

Phone No. 011-23734393, Fax-23710198

Encl: Annexure 'A'- Price Schedule and details of equipments.  
Annexure-'B'- Consignee & Paying authority and Quantity distribution

Copy forwarded for information & n/a to:

- 1 M/s Shaf Braodcast Pvt. Ltd.,B-4/142, Second Floor,Safdarjung Enclave,New Delhi-110029.  
may kindly send the acknowledgement of this PO with in 15 days from the date of issue of the PO.
- 2 PGM(MM-EB)/GM(PF) BSNL CO New Delhi
- 3 DDG (RC) , TEC Khursid Lal Bhawan, New Delhi
- 4 PGM (Radio) It is requested to signed security agreement with the Vendor and submit to this office for further necessary action please .
- 5 CGMT, T&D Circle Jabalpur.
- 6 Concerned CGMTs as per PO.
- 7 Concerned consignee and paying authority as per Annexure 'B'.
- 8 Jt.GM (MMC) / DGM (PF-I) BSNL CO New Delhi
- 9 AGM (R-I) / AGM (MT)/ BSNL CO New Delhi .
- 10 DM (MMD) BSNL CO New Delhi.
- 11 Office copy.

TE no. CA/Radio/Satellite Modems (8 Mbps)/T-482/2014 issued on 16/09/2014 for procurement for Bandwidth saving, 8 Mbps, Satellite Modems along with associated equipment.

Sl.No.	Item Description	Make	Model Total	Qty.	exclusive of all	(exclusive of all	Custom Duty	Sales Tax		Pkg & Inland freight	Other levies & charges, if any (Service Tax)		Unit Price (all inclusive) (4+6+8+10+11)	Duties & Taxes CENVA T-able on unit price	Unit Price excluding Duties & Taxes CENVAT-able(12-13)	Total Price Inclusive of all lavies & charges excluding Duties & Taxes (3X14)	Disc ount offe red, if any	Total discounted price excluding Duties & Taxes CENVAT-able (15-16)	Total price (all inclusiv e)	bidder	
								%	Amt		%	Amt									%
1	2	2A	2B	3	4A	4	5	6	7	8	9	10	11a	11b	12	13	14	15	16	16	17
5	OPTIONAL ITEMS																				
5.1	Upgradation of bandwidth saving IF modem with IP interface up to 20 Mb (both hardware and software)																				
5.1.1	Extends operation to 25Mbps		Adds Data Rates to 25Mbps (Software)	∞	144534.40	145979.74	12.500%	18247.47	6%	9853.63	1%	1642.27			175723.12	18247.47	157475.65	1259805.17		1259805.17	1405785

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TE no. CA/Radio/Satellite Modems (8 Mbps)/T-482/2014 issued on 16/09/2014 for procurement for Bandwidth saving, 8 Mbps, Satellite Modems along with associated equipment.

Sl.No.	Item Description	Make	Model Total	Qty.	exclusive of all	(exclusive of all	Custom Duty	Sales Tax	Pkg & Inland freight	Other levies & charges, if any (Service Tax)	Unit Price (all inclusive)	Duties & Taxes	Unit Price excluding Duties & Taxes	Total Price Inclusive of all levies & charges excluding Duties & Taxes	Discount offered, if any	Total discounted price excluding Duties & Taxes	Total price (all inclusive)	bidder	
5.1.2.1	Traffic Shaping: supports CIR/BIR/priority setting for IP Streams classified by IP Address	TeledyneParadise Datacom	Xstream-IP (Software)	∞	93793.6	94731.54	12.500%	11841.44	6%	6394.38	1%	1065.73	114033.09	11841.44	102191.65	817533.17	817533.17	912265	85238020
5.1.2.2	Header Compression: IP/UDP/TCP/RIP packet header compression (RFC 2005) plus Ethernet																		
5.1.2.3	Payload Compression: TCP/UDP packet payload																		
5.1.2.4	Dynamic Routing: RIP, OSPF and BGP																		
5.1.2.5	TCP Acceleration: Up to 10,000 concurrent accelerated TCP																		
5.1.2.6	AAA RADIUS Secure User Login: Authentication, Authorisation & Accounting. Greater access control & accountability. Replaces standard																		

*Shaf Broadcast*

TE no. CA/Radio/Satellite Modems (8 Mbps)/T-482/2014 issued on 16/09/2014 for procurement for Bandwidth saving, 8 Mbps, Satellite Modems along with associated equipment.

Sl.No.	Item Description	Make	Model Total	Qty.	exclusive of all	(exclusive of all	Custom Duty	Sales Tax	Pkg & Inland freight	Other levies & charges, if any	(Service Tax)	Unit Price (all inclusive) (4+6+8+10+11)	Duties & Taxes CENVA T-able on unit price	Unit Price excluding Duties & Taxes CENVAT-able(12-13)	Total Price Inclusive of all lavies & charges excluding Duties & Taxes (3X14)	Disc ount offe red, if any	Total discounted price excluding Duties & Taxes CENVAT-able (15-16)	Total price (all inclusive)	bidder	
5.1.3	Paired Carrier up to 20Mbps traffic rate		SAF codes (Software)	8	609274.00	615366.74	12.500%	76920.84	6%	41537.25	1%	6922.88	740747.71	75920.84	663826.87	5310614.99		5310614.99	592598	85238020
5.3	Quad E1 card for Bandwidth Saving IF Modems	TeledyneParadiseDatacom																		
5.3.1	Quad E1: Balanced G.703 on 4xRJ45; all four ports support Drop & Insert and are enabled as standard; IBS satellite framing enabled as standard; MultiMux enabled as standard, which allows IP and/or EIA530 traffic, if EIA530 interface		Terrestrial Interfaces (Hardware)	45	48818.80	49306.99	17.390%	8574.49	6%	3472.89	1%	578.81	61933.18	6163.37	55769.81	2509641.29		2509641.29	2786993	85176230
	Total Pacakage price																9897594.62	11031024		

Supplier: M/s Shaf Broadcast Pvt. Ltd.(L-1) PO No :-MT/PO/05/2016-17 dated 23 -03-2017 for Add On Quantity

Annexure-I

TE no. CA/Radio/Satellite Modems (8 Mbps)/T-482/2014 issued on 16/09/2014 for procurement for Bandwidth saving, 8 Mbps, Satellite Modems along with associated equipment.

Sl.No.	Item Description	Make	Model	Qty.	exclusive of all	(exclusive of all	Custom Duty	Sales Tax	Pkg & Inland freight	Other levies & charges, if any	(Service Tax)	Unit Price (all inclusive ) (4+6+8+10+11)	Duties & Taxes CENVA T-able on unit price	Unit Price excluding Duties & Taxes CENVAT-able(12-13)	Total Price Inclusive of all lavies & charges excluding Duties & Taxes (3X14)	Disc ount offe red, if any	Total discounted price excluding Duties & Taxes CENVAT-able (15-16)	Total price (all inclusiv e)	bidder	
	2% discount offered by M/s Shaf																	197.52	220820	
	Net Price																9699642.73	10810404		

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AGM(MT)

*[Handwritten Signature]*

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P.O. No. MT/PO/05/2016-17 dt. 23/03/2017

Annexure-B-1

L-1 Bidder		M/s Shaf broad cast Pvt. Ltd.				
Detail of the Consignee and Paying authority against APO NO: MT/APO/03/2016-17 Dated 28.12.2016						
No	Circle	Site	Upgradation of bandwidth saving 8 Mbps satellite IF modem with IP inter face up to 20 Mb	Quad E1 Card for bandwidth saving 8 Mbps Satellite IF modem	Consignee Details	Paying Authority
1	ETP	Port Blair	1	23	DE Satellite Communication Project, DLC Exchange Building, Buniadabad, Haddo, Port Blair-744102 (Mob. No. 09476081500)	CAO,% CGM ETP, 6th floor, 2/5 A, Judges Court Road, Kolkata-700027
		Kolkata	1	8	DE Satellite Communication Project, 11/1,Ultadanga main road, P&T Housing Complex, Type-III, Qtrs No.58,6 Kolkata-67. Mob No. 09432000903	
2	NTP	Delhi	0	2	DE SCP New Delhi. Mr. Khare Mob. No. 09868866001	CAO(MM), % CGM (NTP), New Delhi
		Jammu	2	5	DE,-SCP, Jammu	
3	SIP	Ernakulam	4	7	C:-DE SCP Ernakulam UC:-The Sub Divisional Engineer,Satellite Earth Station,Meenkunnam (PO), Muvattupuzha-686672, Ph.No-0485-2256500, 9447461233	Chief Accounts officer O/O CGM STP Chennai
Total			8	45		

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Annexure - B-2

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Evaluated price Schedule - Shaf Broadcast Pvt. Ltd.

Supplier: M/s Shaf Broadcast Pvt. Ltd.(L-1)				
Price Schedule for Imported Items				
Sl.No.	Item Description	Make	Model	Total Qty.
5.1	Upgradation of bandwidth saving IF modem with IP interface up to 20. Mb (both hardware and software)			
5.1.1	Extends operation to 25Mbps	Teledyne Paradise Datacom	Adds Data Rates to 25Mbps (Software)	8
5.1.2.1	Traffic Shaping: supports CIR/ BIR / priority setting for IP Streams classified by IP Address, Diffserv Class, IEEE 802.1p priority tag, MPLS EXP field, VLAN ID and MPEG2 transport stream PID IEEE 802.1p priority tag or MPLS EXP field	Teledyne Paradise Datacom	Xstream-IP (Software)	8
5.1.2.2	Header Compression: IP/UDP/TCP/RTP packet header compression (RFC 3095) plus Ethernet header compression			
5.1.2.3	Payload Compression: TCP/UDP packet payload compression using the Deflate algorithm (RFC 1951)			
5.1.2.4	Dynamic Routing: RIP, OSPF and BGP			
5.1.2.5	TCP Acceleration: Up to 10,000 concurrent accelerated TCP connections to 100Mbps subject to prevailing data rate			
5.1.2.6	AAA RADIUS Secure User Login: Authentication, Authorisation & Accounting. Greater access control & accountability. Replaces standard modem login with user's personal company network login credentials			
5.1.3	Paired Carrier up to 20Mbps traffic rate	Teledyne Paradise Datacom	SAF codes (Software)	8
5.3	Quad E1 card for Bandwidth Saving IF Modems			
5.3.1	Quad E1: Balanced G.703 on 4xRJ45; all four ports support Drop & Insert and are enabled as standard; IBS satellite framing enabled as standard; MultiMux enabled as standard, which allows IP and/or EIA530 traffic, if EIA530 interface fitted, in place of one or two Quad E1 ports (each MultiMux port is limited to 2.048Mbps traffic rate)	Teledyne Paradise Datacom	Terrestrial Interfaces (Hardware)	45

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