

SPEED POST/Email

**PRASAR BHARATI
(INDIA'S PUBLIC SERVICE BROADCASTER)
DIRECTORATE GENERAL: DOORDARSHAN
DOORDARSHAN BHAVAN
COPERNICUS MARG, NEW DELHI 110 001**

Schedule to A/T No. 14(6)2019-20E1 (P) TV/1867 Dated: 29.10.2020

SITC of Up-link Antenna System [7 Locations] and UPS system for 11 Locations.

1. Name and address of the Contractor : M/s Arraycom (India) Limited, B-13, 13/1, 14, Electronics Estate, GIDC, Sector- 25, Gandhinagar- 382 024 (Gujarat).
2. Name of the Purchaser : The Prasar Bharati (India's Public Service Broadcaster), DG; Doordarshan
3. Contractor's tender No. & Date : Your bid for e-tender no. 14(6)2019-20E1 (P) TV dated 01/07/2019 & your letter dated 03/10/2020.
4. A. Sanction Number : Sanction No. 04/18 EVI/TV dated 01.03.2019; Annexure -III,II (Equipment Part of sr. no. 13 & 14)
- B. Scheme : "Extension of the Scheme of PB (AIR& DD)-12th Plan Broadcasting Infrastructure and Network Development" for 3 Years(2017-2020)
- C. Head of Accounts : Major Head '2231' – Broadcasting; 80-General (Sub Major Head); 80.102 Grants to Prasar Bharati; 01-Prasar Bharati; 01.00.35 – Grants for Creation of Capital Assets (Plan)
5. Condition of Contract : As contained in Form DGS&D-68(R) and DGS&D 36 and instructions to tenderer's contained in form DGS&D-230 in booklet DGS&D-229 (as amended up to date) as applicable DG:DD tender terms & conditions and special conditions contained in schedule to the T.E. will be applicable.
6. Security Deposit : In terms of Clause 7 of the general conditions of the contract DGS&D (Revised) under which you have tendered, you are required to deposit 5% of the contract value i.e. **Rs. 62,02,133/- (Rupees Sixty Two Lakh Two Thousand One Hundred Thirty Three only)** within 30 days as Security Deposit which may be furnished in the form of **Performance bond/FDR** in favour of PBBCI DG: Doordarshan, New Delhi from **any scheduled commercial banks** in the prescribed form valid for 38 months beyond DP (indicated in clause 7). It is a condition in this contract that you shall deposit the security. In case you fail to deposit the required security by the date prescribed above, you will have

committed breach of contract entitling the purchaser to cancel the contract or to enforce the recovery of the amount of security deposit prescribe with or without enforcing other rights under the contract resulting from breach thereof.

A. Delivery period for up-link Antenna System

7. Date of Delivery

s. no	Up-link Antenna System	Delivery Period
1	Chandigarh, Chennai, Kolkata and Thiruvananthapuram	Within 8 months from the date of issue of purchase order or 8 months from the date of the decision letter from WPC provided by DD in respect of RF equipment, whichever is later.
2	Ahmedabad, Bhubaneshwar and Lucknow	Within 10 months from the date of issue of purchase order or 10 months from the date of the decision letter from WPC provided by DD in respect of RF equipment, whichever is later.

B. Delivery Period for UPS system including Battery Bank.

Sr. no.	UPS system for DDK's	To be delivered after the issue of AT
	Chennai, Kolkata, Thiruvananthapuram, Shimla, Jammu, Ahmedabad, Bhubaneshwar, Lucknow, Jalandhar Jaipur and Bhopal.	Within 8 months from the date of issue of AT i.e. 28.06.2021.

8.	Terms of Delivery	:	FOR Destination
9.	Dispatch Instructions	:	The firm is responsible for the safe delivery of Stores at destinations, duly insured up to Destination.
10	Mode of Dispatch	:	To be dispatched by Road/Rail/Air, freight prepaid up to destination.
11	a. Consignee	:	<ol style="list-style-type: none"> 1. DDG (E)/DE/DDE, Doordarshan Kendra, Ahmedabad. 2. DDG (E)/DE/DDE, Doordarshan Kendra, Bhopal. 3. DDG (E)/DE/DDE, Doordarshan Kendra, Bhubaneswar. 4. DDG (E)/DE/DDE, Doordarshan Kendra, Kolkata. 5. DDG (E)/DE/DDE, Doordarshan Kendra, Jalandhar. 6. DDG (E)/DE/DDE, Doordarshan Kendra, Shimla. 7. DDG (E)/DE/DDE, Doordarshan Kendra Jaipur. 8. DDG (E)/DE/DDE, Doordarshan Kendra Jammu 9. DDG (E)/DE/DDE, Doordarshan Kendra Lucknow. 10. DDG (E)/DE/DDE, Doordarshan Kendra, Chennai. 11. DDG (E)/DE/DDE, Doordarshan Kendra, Thiruvananthapuram. 12. DDG (E)/DE/DDE, Doordarshan Kendra, Chandigarh
	b. Location	:	DDK Ahmedabad , DDK, Bhopal, DDK Bhubneswar, DDK Kolkata, DDK Jalandhar, DDK Shimla, DDK Jaipur, DDK Jammu, DDK Lucknow, DDK Chennai, DDK Thiruvananthapuram, DDK Chandigarh.
	c. GSTN no. of Doordarshan	:	Annexure "A" of AT.
12	Packing & Marking	:	Packing and Marking as laid down in the relevant clause 12 of the General conditions of the contract DGS&D-68 (Revised).
13	Particular Governing Supply	:	
	a. Manufacturer's name	:	As mentioned under col. Make/ Model No. of clause 16 of A/T (Description of stores ordered)
	b. Price preference to ISI with Percentage	:	N/A
	c. Method of Purchase	:	Global Tender Enquiry
	d. Advance Sample	:	Not Required.
	e. Specification No.	:	SATD/New_11 ES/JUNE_2019 dated 04/06/2019 & its Amendment dated 16/08/2019.
14	Inspection	:	

- a. **Inspection Authority** : DG: Doordarshan.
- b. **Inspection Officer** : Authorized representative of DG:DD
- c. **Terms of Inspection** :
 - i. All the equipment to be supplied against the supply order for this tender shall be subjected to pre-dispatch inspection before the commencement of the installation at bidder's premises/Delhi or at site by Doordarshan. The successful bidder should produce the factory test reports of all the offered equipment to facilitate inspection.
 - ii. Post installation inspection of the system will be carried out by a team of Doordarshan officers authorize by Doordarshan Directorate and based on approved Acceptance Test Procedure (ATP).
 - iii. A draft copy of ATP (Acceptance Test Procedure) must be submitted by the bidder one months in advance of the proposed date of inspection of the system to Doordarshan Directorate for approval. ATP should describe the standard test procedure of individual equipment and of the integrated system chain. The factory test report will not be treated as ATP.
 - iv. The accepted ATP/approved ATP with or without changes shall be sent back to the successful bidder which will be used for inspection and commissioning of ES equipments by DD Engineer (s) at site. All the equipment required for the inspection as per the approved ATP are to be provided by the successful bidder.
 - v. The SITC certificate will be issued by the team of officers appointed at sr. no. 14(c) (ii) above.

15 Special Instruction

- a. **CGST** :
- b. **SGST / UTGST** : **GST @5%, @18% & @28%.**
- c. **IGST** :
- d. **Cess or any other applicable taxes** :
- e. **Payment**
 - (i) **Paying Authority** :
 - A. (NZ) Pay & Accounts Officer (Doordarshan), Akashwani Bhawan, Parliament Street, New Delhi-110001, (For Up-link Antenna System 02 sets and UPS Waveguides Earthing 05 sets).
 - B. (WZ) Pay and Accounts Officer (AIR), 1st Floor, New BH, Church Gate, Mumbai. (For Up-link Antenna System 01 sets and UPS

Waveguides Earthing 02 sets).

C. (EZ) Pay and Accounts Officer, (Doordarshan), Akashwani Bhavan, Eden Garden, Kolkata.(For Up-link Antenna System 02 sets and UPS Waveguides Earthing 02 sets).

D. (SZ) Pay and Accounts Officer, All India Radio, No. 7, Kamaraj Salai, Mylapore, Chennai, Tamil Nadu - 600 005(For Up-link Antenna System 02 sets and UPS Waveguides Earthing 02 sets).

(ii) Bill Processing Authority

: Zonal Head (Broadcast) [NZ], AIR & TV, Jamnagar House, Shahjahan Road, New Delhi - 110011.

Zonal Head (Broadcast) [WZ], AIR & TV, P. B. Marg, Worli, Mumbai-400 025.

Zonal Head (Broadcast) [EZ], AIR & TV, 18/3, US Sarani, Golf Green Kolkata - 700095.

Zonal Head (Broadcast) [SZ], AIR & TV, Swamy Sivananda Salai, Chennai-600005.

f. Mode of payment:-

You will submit your consignee wise Tax invoices along with inspection note to concerned consignee as per AT clause 11(c). Such invoices along with provisional consignee receipt certificate will be processed and passed on to the respective Zones & PAO's for pre check and payment.

If the supplier registered under the GST regime as normal tax payer and does not show the detail(s)of invoice(s) raised on Doordarshan in his GSTR-1 for that month, Doordarshan may claim input tax credit by making entries of such invoice(s) in GSTR-2 under intimation to the supplier with a request to upload the detail(s) of these invoice(s) in his GSTR-1.In case no entry(ies)is reflected in next month GSTR 1 filed by the supplier due to which ITC claimed earlier is disallowed, Doordarshan will be free to recover the amount of GST so paid to supplier along with penalty @10% plus applicable GST there on from the subsequent payment or from PBG given by the supplier without giving any notice.

g. Terms of Payment:

80% of payment of equipment shall be paid after Inspection & receipt of equipment/ material as recorded in Provisional Consignee receipt certificate and submission of Security Deposit as certified by DG: DD. The balance 20% cost of equipment/ materials along with 100% cost of installation will be payable after satisfactory Installation, Testing and Commissioning as certified by consignee.

In case of over payment or wrong payment, if any, made to the contractor due to the wrong interpretation of the provision of the contract, or otherwise, such excess payment will be deducted in subsequent bills of the contractor or from the bills under any other contracts of the organization or from deposits of any contracts available with this organization.

h. Transit Insurance:

The purchaser will not pay separately for transit insurance and the supplier will be responsible for arrival of the entire stores contracted for in good condition at destination. The consignee will, as soon as possible but not later than 30 days of receipt of stores, notify to the contractor for any loss/damage to the stores that may have occurred during transit.

i. Other Statutory/ Local Tax etc.

In case, any Municipality insists on payment of taxes or duty, the same should be paid by the contractor to avoid delay in the supplies and possible demurrage charge. The receipt obtained for such payment should be forwarded to **Bill Processing Authority** without delay, for processing of payment. The **Bill Processing Authority** will check the claims with reference to the vouchers and counter sign the bills to authorise the payment.

j. Guarantee/ Warranty:

The following guarantee/ warranty shall form part of this contract:-

The contractor/seller hereby declares that the good, stores/articles sold/supplied to the purchaser under this contract shall be of the best quality and workmanship and new in all respect and shall be strictly in accordance with the specification and particulars contained/ mentioned in contract. The contractor / seller hereby guarantees that the said goods/stores/articles would continue to conform to the description and quality aforesaid for a period of **36 months** from the date of commissioning of the said goods/stores/ articles to the purchaser notwithstanding the fact that the purchaser (inspector) may have inspected and/or approved the said goods/stores/articles if during the aforesaid period of **36 months** the said goods/stores/articles be discovered not to conform to the description and quality aforesaid or not giving satisfactory performance or have deteriorated and the decision of the purchaser in that behalf shall be final and binding on the Contractor / Seller and the purchaser shall be entitled to call upon the contractor/seller to rectify the goods/stores/articles or such portion thereof as is found to be defective by the purchaser within a reasonable period, or such specified period as may be allowed by the purchaser in his discretion on an application made thereof by the contractor/ Seller, and in such an event, the above mentioned guarantee/ warranty period shall apply to the goods/stores/articles rectified from the date of rectification thereof, otherwise the contractor/seller shall pay to the purchaser such compensation as may arise by reasons of the breach of the warranty herein contained.

- (i) All the offered equipment shall be guaranteed against any manufacturing defect for a period of **3 (Three) years** from the date of Commissioning.
- (ii) Any part failing during the guarantee period shall be repaired/replaced free of charge by the successful bidder at site. For repairing of any defective equipment during guarantee period, the defective module or equipment requiring repairs will be handed over to local office/local authorized representative/ dealer who will arrange repairs locally at site or send/ export the defective modules to OEM Factory and re-import/ send back after repairs.
- (iii) It is responsibility of local office/ Authorized representative/ dealer of the bidder to arrange the repair/ replacement of faulty items for Doordarshan i.e. no transportation charges would be paid by DD for transporting the defective/ repaired items, if required to be removed from site, during the guarantee period.
- (iv) Guarantee period is to be extended corresponding to the outage period if the failure rectification takes more than 15 days time.
- (v) Bidder shall provide the guarantee/warranty in respect of the equipment as

mentioned in Clause 8.1.2 through respective OEMs. A certificate, duly signed by the OEM on the OEM letterhead, in this regard of the respective equipment must be submitted with the offer by the bidder.

- (vi) If bidder is not OEM, then the guarantee/ warrantee in respect of the equipment as mentioned in Clause 15 (j) (ii) shall be provided by the bidder through respective OEMs.
- (vii) Guarantee that they will supply spare parts, if and when required on agreed price. The agreed basis could be including but without any limitation and agreed discount on the published catalogue or an agreed percentage of profit on the landed cost.
- (viii) Guarantee to the effect that before going out of production for the spare parts they will give adequate advance notice to the purchaser of the equipment so that the latter may undertake the balance of the lifetime requirements.
- (ix) Guarantee to the effect that they will make available the blueprints of the drawings of the spares if any when required in connection with the main equipment.
- (x)
 - a) The guarantee includes all hardware, software and modules of the complete system.
 - b) The firm will provide up gradation of all the offered software free of charge during the Warranty period.

k. After Sales service:

After sales service support for additional 2 (TWO) years for the repairs/maintenance of Earth Station equipment after the completion of guarantee/warrantee period shall also be provided by the OEM of the Earth Station equipment either directly or through his representative in India.

l. Correctness and completeness of stores:

The stores will be completed in every respect with mountings fittings, fixtures and standard accessories, which are normally supplied even though not specifically mentioned in the specifications. The contractor shall not be eligible for payment in respect of such mountings fittings, fixtures and standard accessories, which are needed for safe operation of the equipment. The contractor shall be responsible for the completeness of the equipment and for efficient working of the same at site.

- m.** The period for making risk purchase shall be nine months instead of six months as provided in sub para clause 14 (7)(iii) of the General Conditions for the contract DGS&D-68(R).
- n. Repeat Order:** Purchaser reserves the right to place order up to 50% of the original quantity of any item(s) on the same terms and conditions stipulated in the original acceptance of tender during the validity of this tender or within six months of the original A/T whichever is later will be obligatory on the part of the supplier to execute repeat order(s) also.
- o. Failure and termination:** Liquidated damages to the extent of 1/2% (half percent) of the contract price of the whole unit per week for such delay or part thereof subject to maximum of 10% of the contract price of the whole unit will be deducted from the contract in the event of failure of SITC within the contractual delivery period. The termination of the contract shall be dealt as per terms & conditions of tender document.

p. Mandatory disclosure of recipient (Doordarshan's) GSTIN on invoice:

The supplier should quote the GSTIN of the concerned unit of Doordarshan, as mentioned in **CLAUSE 11(e)** of AT, on the face of the invoice and in GSTR-1 filed by the vendor. If the above GSTIN number is not quoted on the invoice, the amount equal to the extent of ITC amount will be deducted in the payment or will be deducted in subsequent bills of the contractor or from the bills under any other contracts of the organization or from deposits of any contract available with this organization.

In case any credit, refund or benefit is denied or delayed to Doordarshan due to non-compliance by the contractor (e.g: non payment of GST on supplies, non-disclosure or incorrect disclosure in GST returns), the contractor would reimburse an amount equivalent to the loss including, but not limited to tax loss, interest and penalty to Prasar Bharati.

q. Please return acknowledgement of contract duly signed immediately.

r. This issue with the approval of CEO, Prasar Bharati dated 19/10/2020 and concurrence of FAS vide diary no. E-15/2020-21/IFD dated 22.10.2020.

16. Description of Stores Ordered:

Sr. No.	Description	Make	Model No.	HSN Code / SAC Code	Total price without tax.	GST (@ 5%, 18% & 28%)	Total Price With GST
1	AS PER ATTACHED ANNEXURE "B" of A/T				Rs. 10,47,98,140/-	Rs. 1,92,44,520/-	Rs. 12,40,42,660/-

(Say Rs. Twelve Crore Forty Lakh Forty Two Thousand Six Hundred Sixty only/-)

Umesh Kr. Sikri
29/10/2020
(U.K. Sikri)
Dy. Director (Engg.)
For DG: Doordarshan

Annexure-C- Consignee wise distribution of material/store.

Annexure-D- PAO wise Payment distribution.

Annexure- A**State-wise GSTINs of Doordarshan**

S.no.	State	GSTIN
1.	GUJARAT	24AAAJP0288R1ZL
2.	HIMACHAL PRADESH	02AAAJP0288R2ZQ
3.	JAMMU AND KASHMIR	01AAAJP0288R1ZT
4.	MADHYA PRADESH	23AAAJP0288R1ZN
5.	ODISHA	21AAAJP0288R2ZQ
6.	PUNJAB	03AAAJP0288R2ZO
7.	RAJASTHAN	08AAAJP0288R4ZC
8.	TAMIL NADU	33AAAJP0288R2ZL
9.	UTTAR PRADESH	09AAAJP0288R1ZD
10.	WEST BENGAL	19AAAJP0288R2ZB
11.	KERALA	32AAAJP0288R5ZK

Copy To :

1. Zonal Head (Broadcast) (NZ), AIR & TV, Jamnagar House, Shahjahan Road, New Delhi - 110011.
2. Zonal Head (Broadcast) (WZ), AIR & TV, P. B. Marg, Worli, Mumbai-400 025.
3. Zonal Head (Broadcast) (EZ), AIR & TV, 18/3, US Saran, Golf Green Kolkata - 700095.
4. Zonal Head (Broadcast) (SZ), AIR & TV, Swamy Sivananda Salai, Chennai-600005.
5. The Addl. Director General (Budget & Accounts), Prasar Bharati Secretariat, Prasar Bharati House, Tower-C, Mandi House Complex, Copernicus Marg, New Delhi – 110001.
6. Pay & Accounts Officer (Doordarshan), Akashwani Bhawan, Parliament Street, New Delhi-110001
7. The Sales Tax Commissioner, Govt. of India, Vyapar Bhawan, IP Estate, New Delhi-110002.
8. The DCIT, ADMIN, I.P.Estate, C.R.Building, New Delhi-110002.
9. DDG(E)/DE/DDE, DDK Ahmedabad , DDK Bhopal, DDK Bhubneswar, DDK Kolkata, DDK Jallandhar,DDK Shimla, DDK Jaipur, DDK Jammu, DDK Lucknow, DDK Chennai, DDK Thiruvananthapuram& DDK Chandigarh.

Copy for kind information to:-

1. PS to DG: DD
2. PS to E-In-C (BO)
3. ADG(F), DG: DD
4. ADG(OKS)/(AK), DG: DD
5. DDG(E)(MG)/(RKV)/(AMG), DG: DD
6. DE/ DDE(AS)/(KKR)/(BS)/(PS)/(UKS)/(PK)/(SK), DG: DD
7. The Ledger Clerk.
8. Hindi section for Hindi Version.
9. ADE/AE/EA (AK)/(AKS)/(RG)/(CRS)/(KBS)/(MSR), DG: DD
10. AE (PKS) for uploading on Tender Wizard.
11. DDG(IT) for uploading on DD portal.


(Atosh Kumar)Asstt. Director (Engg.)
For DG: Doordarshan

Annexure-B

S. No.	Description of Items offered by bidder	Total Qty. Units [Nos./ Sets/ Lots/ Jobs]	HSN Code	Make	Model	Unit Price In INR	Total Price without Tax In INR (Inclusive of all incidental charges)
1	A. Uplink Antennas and Accessories						
2	7.6 Meter C Band Transmit/Receive Earth Station Antenna. * Motorized Tripod Mount with Az/EI Jackscrews * Azimuth and Elevation Jackscrews * 16 Piece Reflector * Granular Subreflector and Shims * Large Enclosure with Doors # Anchor Bolt Kit (201630), and # Anchor Bolt Template (209505) # Graduated compass and inclinometer			CPI ASC Signal Division	E879K.1	8647011.10	80229077.00
3	NGC Rack Mounted Antenna Controller with LCD Touch Panel includes: * Indoor Rack Mount Controller (JRU), Power Supply - LCD Touch Panel & Keyboard, NGC-301, NGC-101, NGC-106 Notes: The JRU is the user interface for the NGC system. NGC-JRU FULL TRACKING CAPABILITY SOFTWARE Includes: Step Tracking, Smarttrack, Predictive Track Software for NGC-JRU Notes: This software option provides the NGC control system with all tracking capabilities. NGC Fiber Optic Interfacility Cabling solution for Fixed Antenna Systems # NGC-IFI-50M refers to the cable between Antenna and Antenna Controller.		CPI ASC Signal Division	NGC-JRU		NGC-104	
		7	No.	6525			NGC-IFI-50M

10

S. No.	Description of Items offered by bidder	Total City Units (Nos.) Serial Lots/ Jobs)	HSN Code	Make	Model	Unit Price in INR	Total Price without Tax in INR (inclusive of all incidental Charges)
1	<ul style="list-style-type: none"> * Specs: 380-480 VAC, 3 Phase 50/60 Hz. * 4 Conductor (3 ph Delta + safety Ground) or 5 Conductor (3 ph WYE + safety ground). * Operating Temperature: -10°C to +50°C (14°F to 122°F) * NGC Variable Speed Motorisation Kit for Azimuth and Elevation Drive. * First 0.5 Degrees/Second, Az/EI * Slow: 0.05 Degrees/Second, Az/EI <p>Dual Helicoidal Polarization Drive Kit: DC Drive Version Compatible with NO3C-QDU</p> <p>Nominal Speed: 1 deg/sec</p>				NGC-QDU-380-5 NGC-MK7		
2					NOAC-PHORA		
3							
4	C-Band Beacon Tracking Receiver	8543					
	# (Operating in Frequency 3.4 to 4.2 GHz Pre-detection Bandwidth - 60 kHz Input Level - 90 dBm, min., - 30 dBm max. Frequency Tuning - 10 kHz Steps Frequency Adjust - Front Panel or Remotely Threshold -45 dB-Hz (CNR0) for acquisition Input Impedance - 50 Ohm Input Connector - Type-N, Female)	7 Nos.		ATLANTIC SATELLITE CORPORATION	ASC 300C	380057.01	2686799.06
5	4-Port C-Band Linear Polarized Transmitter/Receiver Feed System.						
	# * Located on 7.0 Meter Earth Station Antenna * Operating Freq: 3.825 - 4.2 GHz Receive * Operating Freq: 5.850 - 6.425 GHz Transmit * 4dB Transmit to Receive Isolation * 3dB XFD * 0.5 PSI Max Air Pressure to Feed * 2.5 kW Maximum Power per Port	7	Nos.	8525	CPI ASC Signal Division	41 PNC-76	
6	Trans reflect tilted Diplexer for above feeds (if required) # Included with the feed offered at S. No.5 # Inbuilt Part of Feed :41 PNC-75)						
7	4C dB Crossguide diplexer for both hornbeam ports (# 40 dB Cross guide directional coupler (Apollo Microwave) 10738-045) Operating Frequency: 5.85 to 8.425 GHz Connector: N type Female Flange: Input CPR-137F / output CPR-137O)	14	Nos.	8544	Apollo Microwave	10708.8-65	20260.00
							263910.00

M. K. S.

S No.	Description of items offered by bidder	Total Qty. Units (Nos.) Sets/ Lots/ Jobs)	HSN Code	Make	Model	Unit Price In INR	Total Price without Tax In INR I Inclusive of all incidental Charges
9	Bird Guard for feed	1	8529	Custamized by Arraycom		1097.00	1097.00
9	2+1 Redundant LNA System #(Advanced Wireless Technologies / ALNA-C Series -30K & AWLA - C2) Frequency 3.625 - 4.20 GHz 55 dB Gain Switch Plate Assembly No Injection Test Port + Surface Mount Cable #(Including Isolators to meet VSWR = 1.3:1 Input (Max.) & 1.5:1 Output (Max.))	7	8543	Advanced Wireless	ALNA-C series	1505398.00	10537156.00
10	Low loss RF cable # (NM-LCF 12-50J) to Connect Down converter of 1/2" feed or PE Dielectric, corrugated copper outer and copper or copper clad aluminum inner conductor. (2x50 = 100 meter /site) i.e., total 700 Meter (for 7 locations.)	700	Meters	8544	Radio Frequency Systems	LCF12-50J NM-LCF12-C03	347.00 242900.00
11	Low loss RF cable # (NM-LCF 12-50J) (to Connect Directional Coupler output in each port to the HPA Roach) of 1/2" feed or PE Dielectric, corrugated copper outer and copper or copper clad aluminum inner conductor. (2x50 = 100 meter /site) i.e., total 700 Meter (for 7 locations.)	700	Meters	8544	Radio Frequency Systems	LCF12-50J NM-LCF12-C03	347.00 242900.00
12	UPLINK PDA foundation having platform of 100 cm from the ground (material and labour)	3	Lots	9954	Arraycom		538892.00 1616405.00
13	UPLINK PDA foundation having platform of 200 cm from the ground (material and labour)	3	Lots	9954	Arraycom		810175.00 2430525.00



S. No.	Description of Items offered by bidder	Total Qty Units (Nos./ Sets/ Lots/ Jobs)	HSN Code	Make	Model	Unit Price in INR	Total Price without Tax in INR (inclusive of all incidental Charges)
14	UPLINK PDA foundation having platform of on the rooftop of the building (material & labour)	1	Lots	9984	Airaycom		540613.00
15	Maintenance Platform and Ladder Kit for Earth Station Antenna (Included with PDA)	7	Lots	8525	CPI ASC Signal Division	#MANAL7	
16	Lightning Arrestor for UPLINK PDA	7	Lots	8535	Customised by Airaycom		3344.00
17	NOCC clearance of the installed Lip-Link Antenna	7	Lots	9187	Airaycom		108123.00
18	\$ Elliptical (semi-rigid) waveguide to energize the UPLINK PDA for one uplink unit as per site requirement (minimum 50 meters at DDK, Chandigarh)	1	Lot	8544	Radio Frequency Systems	E80J	91123.00
19	\$ Elliptical (semi-rigid) waveguide to energize the UPLINK PDA for one uplink unit as per site requirement (minimum 40 meters at each site)	6	Lots	8544	Radio Frequency Systems	E80J	437382.00
20	Suitable waveguide connector for connecting the Elliptical waveguides at both ends having CPR 137-GF flange with gasket and Pressure window at both ends.	14	Sets	8544	Radio Frequency Systems	C137-080FG PW-C137	20398.00
21	Flexible flexible waveguide of One-meter length having CPR 137-GF Flange with Gasket and screw kit	14	Sets	8544	Apollo	M1E40-05-1000 MM-N-03-02-U	15147.00
22	Flexible flexible waveguide of One-meter length having CPR 229-GF Flange with Gasket and screw kit	14	Sets	8544	Apollo	M1E40-02-1000 MM-N-01-02-U	29672.00
23	Waveguide & Cable support tray with cover between UPLINK PDA to Earth Station Room - Length 30 Meters at each site.	7	Lots	9326	Customised by Airaycom		81592.00
24	Suitable electrical cable between earth station to ODU (two lengths)	7	Lots	0544	RRKabel	# RATNAFLEX-M	8831.00
25	40 dB Directional couplers at output of Wave guide switch (# 40 dB Cross guide directional coupler Operating Frequency: 6.65 to 6.425 GHz Connector: N type Female Flange: Input CPR-137F / output CPR-137G)	7	Nos.	8144	Apollo	Microwaves	107064.00
26	Automatic Degenerator (3.6 PSU user configurable) with required accessories and front panel display with remote access through Ethernet SNMP etc and rack mounting kit	7	Lots	8543	Globe Sun	L-04.50	269015.00
27	Essential item (if any) to complete the installation of Uplink Antenna system (N.L.)	0	1 set	8525			1883133.00

AM/KA

S. No.	Description of Items offered by bidder	Total Qty. Units (Nos.) [Subj. Lot/ Job]	HSN Code	Make	Model	Unit Price in INR	Total Price without Tax in INR (inclusive of all incidental Charges)
28	B. Power Supply System						
29	2X 20kVA (GBT/PWM based (Rectifier & Inverter). Fully DSP based Double Conversion UPS system, connected in Redundant Parallel Configuration (3 Phase input, 3 Phase Output) (including Transient Voltage Surge Suppressor (TVSS) in input. [ANSI IEEE C262.41 - 1991 Cl (80V@3kA)])	11	8504	RIELLC UPS	MST 20	688972.00	7545672.00
31	Battery changeover unit (including all the associated cables and components) to cross connect Battery banks with UPS	11	8505	# Customized solution designed by Rello		53621.00	589331.00
32	Remote panel with interface cables for monitoring of UPS system in control Room.	11	8537	# Customized solution designed by Rello			
33	Essential item (if any) to complete the installation of UPS system - [Mains generator unit]	11	8538	# Customized solution designed by Rello		73043.00	803473.00
34	5 Copper cable (25 sq. mm, 4 Core) with connector from output of AVR at PDP to Input of UPS. Output of UPS to existing SDR panel. Min length 50 meters at each site. Required length of copper power supply cables with minimum 50 percent (nominal) load margin for interconnecting/integrating UPS input & output PDPs etc. will be provided	11	8544	RFLKshai	# RATNAFLEX-M	36351.00	400191.00
35	C. Earthing						
36	Earth pits would consist of Copper Earth electrodes (diameter 20 mm (min)), insulated copper strap wire (50 Sq. mm (Min)). Chemical earth fill compound with fast discharge characteristics. Water absorbing gel, perforated Hard PVC pipe (diameter 40 mm), funnel, water supply provision up to each earth pit (from AC condenser), 10 feet depth and 1 feet diameter. Earth pit would be prepared so that earth resistance is less than 1 ohm as per following						
37	2 nos. for UPS each with less than 1-ohm resistance	11	1018	8544	Arraycom	103980.00	1165560.00
38	2 nos. for UPLINK PDA each with less than 1-ohm resistance	7	1018	8544	Arraycom	103980.00	741720.00
39	D. WAVEGUIDE						

Amritpal Singh

Page 6 of 6

S. No.	Description of Items offered by bidder	Total Qty, Units (Nos./ Sets/ Lots/ Jobs)	HSN Code	Make	Model	Unit Price in INR	Total Price without Tax in INR (Inclusive of all incidental Charges)
54	Film e self certified evidence of import license in respect of RF Equipment HPA system etc. for issuance of operating license from WPC - 4 Sets for each site,	1	Lot	Arraycom			
55	G. Installation, Testing and Commissioning						
56	(a) Installation, testing and Commissioning of the Antenna system Chandigarh, Chennai, Kolkata and Thiruvananthapuram	4	Lots	91087	Arraycom	432450.00	1729800.00
57	(b) Installation, testing and Commissioning of the Antenna system Ahmedabad, Bhujanawar and Lucknow	3	Lots	9887	Arraycom	432450.00	1297470.00
58	(c) Installation, testing and Commissioning of the UPS system Chennai, Kolkata, Shimla Thiruvananthapuram, Jamshedpur Ahmedabad, Bhujanawar Lucknow, Jalandhar, Jaipur, and Bhopal	11	Lots	9887	Arraycom		
	Total without GST						10087141.00
	GST @ 18%						18150585.38
	Total including GST @ 18% (A)						11897626.38
30	Maintenance fee 120V, VRLA type Battery Bank suitable to provide combined backup of (minimum) back up (EOI) with each UPS system to provide combined backup of 30 minutes as per tender specification. Minimum Battery Capacity : (20100VAH minimum)x 2 DC Voltage: 480VDC Battery capacity: 42AH No. of Batteries with each UPS: 40Nos (Make: # Amstrata (Gautam))	11	Sets	6507	Amarstra	1241.042	134265.00
	Total without GST						2854715.00
	GST @ 28%						1090520.2
	Total including GST @ 28% (B)						4955235.20
52	Operational User Manual and Installation manual, Test Reports, Hard copy and 5th copy on CD's will be supplied facility for all the supplied equipment (2 Sets to be supplied at each 11 ES Kendras for UPS Battery Bank System & 2 Sets to be supplied at each 7 ES Kendras for Uplink Antenna System, 1 Set to be supplied at DG, DIO and 1 Set to be supplied at each zonal office (ADG(NZ), ADG(EZ), ADG(WZ)).	1	Lot	4991	Prepared by OEM and supplied by Arraycom	65284.00	38284.00
	Total without GST						68284.00
	GST @ 6%						3314.2
	Total including GST @ 6% (C)						69600.20
	Grand Total including GST (A)+ (B)+(C)						124042659.78

S. No.	Description of Items offered by bidder	Total Qty. Units (Nos.) Sets/Lots/ Jobs)	HSN Code	Make	Model	Unit Price In INR	Total Price without Tax In INR (inclusive of all Incidental Charges)
(Say Rupee Twelve Crore Forty Two Lakh Forty Two Thousand Six Hundred Sixty only.)							
# As per clarification submitted by the bidder vide letter No. AIL/DDK/QSC-706/2K19 dated 03/02/2020. \$ As per clarification submitted by the bidder vide letter No. AIL/DDK/QSC-708/2K19 dated 03/06/2020.							
							

3-Darken

Row No.	Location of Biodiversity Centre (Centres)	Parameter										Parameter									
		Day [Max. & Min.(Cmin)]	Obs. [Max. & Min.(Cobs)]																		
South Zone (S0)	South Zone (S0)	5.15-15.17	23.45-41.16	5.15-25.92	21.13-51.13	5.15-20.12	18.12-21.12	5.15-30.15	19.15-34.15	5.15-30.15	19.15-34.15	5.15-30.15	19.15-34.15	5.15-30.15	19.15-34.15	5.15-30.15	19.15-34.15	5.15-30.15	19.15-34.15	5.15-30.15	19.15-34.15
West Zone (W0)	West Zone (W0)	10.16-11.16	21.16-22.16	10.16-11.16	21.16-22.16	10.16-11.16	21.16-22.16	10.16-11.16	21.16-22.16	10.16-11.16	21.16-22.16	10.16-11.16	21.16-22.16	10.16-11.16	21.16-22.16	10.16-11.16	21.16-22.16	10.16-11.16	21.16-22.16	10.16-11.16	21.16-22.16
North Zone (N0)	North Zone (N0)	13.10-16.10	23.10-25.10	13.10-16.10	23.10-25.10	13.10-16.10	23.10-25.10	13.10-16.10	23.10-25.10	13.10-16.10	23.10-25.10	13.10-16.10	23.10-25.10	13.10-16.10	23.10-25.10	13.10-16.10	23.10-25.10	13.10-16.10	23.10-25.10	13.10-16.10	23.10-25.10
Total Day per S.H.C.	Total Day per S.H.C.	10	14	22	30	10	14	22	30	10	14	22	30	10	14	22	30	10	14	22	30

Annexure-D

Total In RMR		33593896.58		18375504.88		32955590.92	
PAO WSE	39117667.39						
City							
Cust	452409						
Cust	432650						
Cust	7764812						
Cust	3101558.2						
City	652610						
Total In RMR	18375504.88						