

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 23337 Service: DTV Call WBNG-TV Channel:

ID: Sign: **8 (High VHF)** File **0000027464**

Number:

FRN: **0018223693** Date **07/08**

Submitted: /2020

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
WBNG LICENSE, LLC Doing Business As: WBNG LICENSE, LLC	Brady Dreasler P.O. BOX 909 QUINCY, IL 62306 United States	+1 (217) 223-5100	bdreasler@quincyinc. com	Limited Liability Company

Reimbursement Contact Name and Information Reimbursement Contact Information

[Confidential]		

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Tony zumMallen QCommunications, LLC	Tony zumMallen 705B SE Melody LN #314 Lees Summit, MO 64063 United States	+1 (816) 729- 1177	tony@qcom1. com

Broadcaster Information and Transition Plan

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
Briefly describe transition plan	To transition from ch 7 to ch 8. Analysis has indicated that the antenna will work but the lines will require modification. A new transmitter will be needed. A new interim transmission system is needed to provide service during the transition.

Transmitters

rs	Section	Question	Response
	Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

Primary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter	Manufacturer	
Manufacturer and Type	Model	Platinum
	Year	2006
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	8.0 kW

Primary Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Manufacturer	
	Model	VAXTE -12 R44
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	9.6 kW
	Justification for New Transmitter	Existing transmitter is not tunable to new channel.

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	200.0 feet
	Other Electrical Service	No

	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only
	Size	25 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Remote Control System	Remote control system
Hot Exhaust Piping	Hot exhaust piping re-routing due to the new location for transmitter due to repack activities.
Sales Tax	sales tax required
Asbestos Monitoring	Asbestos Monitoring due to demo necessary for repack activities
Site Survey - TX	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.
Modifications to TX building	Required modifications to transmitter building due to the removal of existing equipment in preparation for installation of new equipment.

Securirty - Site	This site requires security once the new transmission line and equipment arrive on site to be installed. Estimated length of 4-6 weeks.
Disconnect existing Transmitter	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.
Engineering Services	Engineering services and PM for possible new transmitter bldg
Transmitter - Training	Transmitter training - offsite - 1 week in duration at mfg site.

Interim Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	VAXTE-6R44
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	4.8 kW
	Justification for New Transmitter	Interim facility is required to avoid prolonged period of station silence during transition, and station currently has no aux facility to use for interim operation. Extended silent period during transition to new channel is unreasonable. Gates lowest kW

Interim Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No

	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	200.0 feet
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	Yes

Interim Transmitter

Other Transmitter Cost Not Listed

Name	Description
SALES TAX FOR EQ	SALES TAX FOR EQ

Antennas

Section	Question	Response
Antenna Related Expenses	Do you have antenna related expenses?	Yes

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Other
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	Omni- Directional
	ERP: (Effective Radiated Power)	15.0 kW

Manufacturer	
Model	THV-7
Year	2017
Justification for New Antenna	Interim facility is required to avoid prolonged period of station silence during transition, and station currently has no aux facility to use for interim operation. Extended silent period during transition to new channel is unreasonable.

Interim Antenna

Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	В
	Feed Line Size	3 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Interim Antenna

Other Antenna Cost Not Listed

Information not provided.

Transmission Seffien	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary Transmission

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission	Manufacturer	Dielectric
Line Manufacturer and Type	Туре	Rigid
	Diameter	3 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1063 feet per run

Primary Transmission

Other Transmission Line Expenses Not Listed

n <mark>Laine</mark>	Description
Disconnect existing Interior RF components	Disconnect interior RF transmission line and filters from existing configuration and move within the building to make way for new facilities.
Line Refurbishment	Field Report -Resonant Results LTD -It is recommended that the bullets, insulators and watch band springs be replaced from the 3 to 7 adapter and the 23 additional line sections towards the antenna.

Tower Equipment And Rigging Costs

Section	Question	Response
Tower Equipment or Rigging Costs Changes	Do you have tower equipment or rigging costs changes?	Yes

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Move Equipment
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	No
Existing Tower Structure	Do you have a tower registration number?	Yes
Registration	ASR Number	1016566
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	42° 03' 31.0" N-
	Longitude (NAD83)	075° 57' 05.0" W-
	Overall Structure Height	789.03 feet
	Support Structure Height	705.04 feet
	Ground Elevation Above Mean Sea Level (AMSL)	1765.07 fee

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	WBNG Television, Inc.
Date Constructed	08/01/1987

Primary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A
Helicopter Services Required	Are helicopter services required?	No

Primary Tower

Other Tower Expenses Not Listed

Name	Description	
Tower Structrual	Structural analysis of tower	
Tower Modifications	May require tower modifications. Awaiting tower study. Not available at time of submission.	

Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	389
	Explanation	Scope & significance of project (QMI has multiple stations repacked) require outside management services to augment existing internal personnel to assist turnkey management of and ensure timely and safe execution of channel relocation.
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes

	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
Services	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes

RF exposure measurements	No
Additional Field Engineering Service	No
Number of Days	N/A
Justification	N/A

Outside Professional

Other Professional Services Expenses Not Listed

Services Costs	Description
Survey	Survey for replacement of transmitter building
General Legal	General legal counseling for the repack project
PM-reimbursable travel expenses	PM travel expenses to and from the station for Repack work accounted for in quote QC-17011
Quarterly reporting	Preparation and submittal of the FCC required quarterly report 387 by PM and attorney.

Other Expenses

Section	Question	Response
AM Pattern Disturbance	Is an Impact Study needed?	Yes
	Is Remediation needed?	Yes
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	No
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

Other Expenses

Other Expenses Not Listed

Name	Description
Ambulance Service	Ambulance service on site for helicopter lift of antenna.

Cost Information

Transmitters

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

	Predetermined	Estimated	Estimated Cost		Actual Cost
Description	Cost Estimate	Cost	Justification	Actual Cost	Justification
Interim Transmitter VAXTE-6R44	\$381,452.45	\$275,832.94		\$137,617.26	
SALES TAX FOR EQ	\$8,564.48	\$8,564.48	Estimated sales tax.	N/A	N/A
VHF inside RF system including switching	\$78,900.00	\$75,000.00	N/A	N/A	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$5,000.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$1,942.49	N/A
High VHF - Air Cooled Solid State Transmitter 4.8 kW	\$93,805.73	\$93,805.73	Actual amount remaining on PO.	\$78,512.04	Actual invoice amounts
SALES TAX FRO EQ	\$4,282.24	\$4,282.24	***System Notice: Estimate adjusted and locked because line has been superseded. ***SALES TAX EST PER Q- 73715 AND INV BOTH UPLOADED	\$4,282.24	N/A

High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW	\$152,500.00	\$52,880.49	***System Notice: Estimate adjusted and locked because line has been superseded. ***	\$52,880.49	N/
Primary Transmitter VAXTE -12 R44	\$688,148.30	\$662,548.30		\$334,583.66	
Asbestos Monitoring	\$3,937.00	\$3,937.00	Asbestos monitoring necessary because of demolition of materials caused by repack activities	\$2,653.40	N/a
Sales Tax	\$21,344.59	\$21,344.59	sales tax est by mfg	\$7,114.86	N/
Engineering Services	\$43,884.32	\$43,884.32	Engineering and PM services for replacement of transmitter building.	\$43,884.32	N/a
Securirty - Site	\$17,500.00	\$17,500.00	This site requires security once the new transmission line and equipment arrive on site to be installed. Estimated length of 4-6 weeks.	N/A	N/A

Remote Control System	\$8,916.58	\$8,916.58	Costs to replace remote control system as the old system isn't compatible with new transmitter equipment due to technical reasons.	\$8,916.58	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$5,000.00	N/A	N/A	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	\$1,510.82	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$14,711.78	N/A
Site Survey - TX	\$22,000.00	\$22,000.00	Site survey and report are required to be performed before the new transmitter and components installation plan can be finalized.	\$7,000.00	N/A
Modifications to TX building	\$23,815.81	\$23,815.81	Required modifications to interior of transmitter building to prepare for new equipment.	\$15,450.00	N/A

Transmitter - Training	\$3,300.00	\$3,300.00	Transmitter training - offsite - 1 week in duration at mfg site.	N/A	N/A
Disconnect existing Transmitter	\$20,000.00	\$20,000.00	Disconnect transmitter and components from existing configuration and move within building to make way for new facilities.	N/A	N/A
Hot Exhaust Piping	\$5,850.00	\$5,850.00	Costs necessary to re-route exhaust ductwork due to the new location of the transmitter.	\$5,850.00	N/A
25 Ton system	\$91,500.00	\$87,000.00	N/A	N/A	N/A
High VHF - Air Cooled Solid State Transmitter 6.5 . 12.5 kW	\$331,500.00	\$315,000.00	N/A	\$227,491.90	N/A
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	N/A	N/A	N/A
Sub-total	\$1,069,600.75	\$938,381.24	N/A	\$472,200.92	N/A
Total for all	\$1,991,054.51	\$2,582,618.75	N/A	\$1,816,119.42	N/A

Actual Information Description	File Name	
SALES TAX FOR EQ	Information not provided.	
VHF inside RF system including switching	Information not provided.	
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Switchgear - industrial 800 amp	Component Description: Amount:	Line D only on Invoice US0324213. See attached cover matrix. \$647.50
	Component Description:	Line C only on Invoice GO10004794-2. See attached cover
	Amount:	matrix. \$647.49
	Component Description:	WBNG- GATES- INTERIM TX - ELEC- LINE C OF Q-73715 UPLOADED
	Amount:	\$647.50

High VHF - Air Cooled Solid State Transmitter 4.8		_
kW	Component Description:	Per reviewer
		instructions -
		resubmitted on
		new line for interim
		transmitter. Lines
		A, B on Inv
		US0324213.
	Amount:	\$29,616.63
	Component Description:	Per reviewer's
		instructions -
		resubmitted on
		new transmitter
		line. Lines A, B, D
		on invoice
		GO10004794-2.
		See attached
		matrix.
	Amount:	\$48,895.41
SALES TAX FRO EQ		
	Component Description:	WBNG-GATES
		INTERIM TX-
		SALES TAX PER
		Q-73715 AND INV
		EST. UPLAODED
	Amount:	\$4,282.24
	Amount.	φ 4 ,∠0∠.∠ 4

Solid State Transmitter 1.1 4.4 kW	Component Description:	WBNG-GATES-
4.4 NVV		INTERIM TX- LINE
	Amount:	AB AND D Q-73715 \$52,880.49
	Amount.	ψ32,300. 4 3
	Component Description:	Lines A, B, D on
		Invoice
		GO10004794-2.
		See attached cover
	Amazzat	matrix.
	Amount:	N/A
	Component Description:	Lines A, B on Inv
		US0324213.
		Interim TX.
	Amount:	N/A
Asbestos Monitoring		
	Component Description:	Revised Asbestos
		monitoring invoice
		2018.304.001-1.
	Amount	Delta Engineering
	Amount:	\$2,653.40
Sales Tax		MIDNO O
	Component Description:	WBNG-Gates-Main
		TX-sales tax inv per quote Q-73717
	Amount:	\$7,114.86
	Amount:	Φ1,114.80

Engineering Services		
	Component Description:	Engineering services and PM
		for replacement of tx building. Delta
	Amount:	INV #1 \$11,795.32
	Component Description:	Engineering
		services for tx bldg - Delta #3
	Amount:	\$26,142.80
	Component Description:	Engineering
		services - Delta - INV 2
	Amount:	\$4,656.74
	Component Description:	Engineering/PM
		services - Delta -
	Amount:	INV 4 \$1,289.46
Securirty - Site	Information not provided.	
Remote Control System		
	Component Description:	Remote control system. Burk
		Technology INV
		00068848 - PO
	Amount:	20365 \$8,916.58
2" Rigid Conduit and Wiring	Information not provided.	

Transformer 3 phase/480v - 300 KVA **Component Description:** Line D only on Invoice US0324214 **Amount:** \$503.61 **Component Description:** Line D only on Invoice GO10004795-2. See cover matrix. **Amount:** \$503.60 **Component Description:** WBNG-MAIN-TX-INV - Elec - Line D per Q-73717 Amount: \$503.61 Switchgear - industrial 800 amp **Component Description:** Line C only on INV US0324214. See cover matrix Amount: \$4,903.92 **Component Description:** Line C only of Invoice GO10004795-2. Amount: \$4,903.93 **Component Description:** WBNG - Gates- TX - Main - RF - 1st inv - per line C of Q-73717 \$4,903.93 Amount: Site Survey - TX WBNG-SURVEY-**Component Description:** INV-QC18-026 Amount: \$7,000.00

Modifications to TX building		
	Component Description: Amount:	Requesting line item #1 for reimbursement only. 5-15-20 Excluded water line repairs from request WBNG - Wm Lane - INV 18-1131-1 - PO 20405 \$15,450.00
	Amount.	φ15,430.00
	Component Description: Amount:	Modifications necessary to prepare building for new equipment. See cover letter for explanation. Wm H. Lane INV 18- 1131-1 \$23,815.81
Transmitter - Training	Information not provided.	
Disconnect existing Transmitter	Information not provided.	
Hot Exhaust Piping	Component Description: Amount:	WBNG - Picciano - reroute exhaust piping - INV 10161. Note: The actual vendor name is Louis N. Picciano & Son, Inc. Since the tool doesn't allow special characters, "and" was substituted for "&". \$5,850.00
25 Ton system	Information not provided.	

High VHF - Air Cooled Solid State Transmitter 6.5 . 12.5 kW

Component Description: Lines A, B of

attached INV US0324214.

Amount: \$60,435.36

Component Description: Lines A,B,E only.

WBNG - Main Tx - INV GO10004795-

2. See cover invoice matrix

Amount: \$83,528.27

Component Description: 3/25/20 this

component zeroed out and moved to new Iline under Primary tx. Prepare transmitter building for installation of tx equipment. Wm H Lane Inv 18-1131-

1; PO 20405

Amount: N/A

Component Description: WBNG-GATES-

MAIN - TX - 1st inv lines A B and E per

Q-73717

Amount: \$83,528.27

Service entrance 3 phase /800 amp/208 volt

Information not provided.

Cost Information

Antennas

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Co Justificati
Interim Antenna THV-7	\$348,113.25	\$319,581.50		\$316,061.54	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$0.00	NOT NEEDED FOR NEW CONFIGURATION.	N/A	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$0.00	NOT NEEDED IN THE NEW CONFIGURATION.	N/A	N/A
Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)	\$9,340.00	\$9,548.25	Per actual Dielectric invoices.	\$9,548.25	N/A

of existing	ψο,: σοισο	φο, ποσποσ	. 4	 ,	DIELECTI
antenna					ORDEF
					COMF
					#4530001
					both
					INVOICE
					MAN000
					and 000
High VHF -	\$303,633.25	\$303,633.25	Cost of interim	\$303,633.29	The actu
High			antenna not sure		costs we
Power			why the catalog of		from invoi
Side Mount			costs did not		from
One			automatically add		Dielectri
Station			standardized		See attacl
elliptically			pricing.		invoices
or					quotes a
circularly					POs for c
polarized					breakdov
Sub-total	\$348,113.25	\$319,581.50	N/A	\$316,061.54	N/A
Total for	\$1,991,054.51	\$2,582,618.75	N/A	\$1,816,119.42	N/A
all					
systems					

Components

Sweep test

\$6,730.00

\$6,400.00

N/A

\$2,880.00

UPLOA

Actual Information Description	File Name
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.

Elbow complex, broadband, at antenna input, per 3 1/8. feedline (if needed)

Component Description: ELBOW-WBNG-

INTERIM-ANT-10%

-LINE 5 4-2 UPLOADED ORDER CONF AND UPGRADE COVER LETTER 4-13-corrected due

date

Amount: \$658.50

Component Description: LINE 5 ELBOW-

WBNG-35% INV MAN00090 4-2 UPLOADED ORDER CONF AND UPGRADE

COVER

Amount: \$2,304.75

Component Description: WBNG - Dielectric -

Elbow - INV

605003 - order conf

453001

Amount: \$6,585.00

Sweep test of existing antenna	Component Description

Component Description: LINE 25 -SWEEP

35% WBNG INV MAN00090 4-2 UPLOADED ORDER CONF AND UPGRADE COVER 4-13corrected inv date

Amount: \$2,240.00

Component Description: SWEEP INTERIM

ANT-WBNG-10 DEPOSIT- LINE 25 - 4-2 UPLOADED ORDER CONF AND UPGRADE

COVER

Amount: \$640.00

High VHF - High Power Side Mount One Station elliptically or circularly polarized

Component Description: Request for lines 1,

3, 4 only. Line 2 is for VPOL, and is not part of this requested reimbursement.

INV 594002 - PO

19973

Amount: \$122,750.84

Component Description: INTERIM ANT-

WBNG-10%

DEPOSIT LINES-1,3,4 and 6 4-2 UPLOADED ORDER CONF AND UPGRADE

COVER

Amount: \$40,196.10

Component Description: INTERIM ANT-

WBNG-35% DUE 11.1- LINES 1,3,4,

AND 6 4-2 UPLOADED ORDER CONF AND UPGRADE

COVER

Amount: \$140,686.35

Cost Information

Transmission Line

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	\$57,840.00	\$57,840.00		\$0.00	
Disconnect existing Interior RF components	\$12,500.00	\$12,500.00	Disconnect interior RF transmission line and filters from existing configuration and move within the building to make way for new facilities.	N/A	N/A
Line Refurbishment	\$45,340.00	\$45,340.00	Required work on transmission line, Per Resonant Results Ltd field Report dated 3/14 /17.	\$0.00	N/A
Sub-total	\$57,840.00	\$57,840.00	N/A	\$0.00	N/A
Total for all systems	\$1,991,054.51	\$2,582,618.75	N/A	\$1,816,119.42	N/A

Components

Actual Information	
Description	File Name
Disconnect existing Interior RF components	Information not provided.

Line Refurbishment		
	Component Description:	LINE REFURB-
		PCI-INV 1OF3
	Amount:	\$17,495.00
	Component Description	REFURB LINE -
	Component Description:	WBNG - PCI INV
		20F3
	Amount:	\$13,920.00
		* -,
	Component Description:	LINE REFURB-
		WBNG-PCI INV

Amount:

3OF3 \$8,925.00

Cost Information

Tower Equipment and Rigging Costs

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description Primary Tower TOWER	Predetermined Cost Estimate \$213,500.00	Estimated Cost \$925,450.00	Estimated Cost Justification	Actual Cost \$925,450.00	Actual Cost Justification
Tall Tower (greater than 500')	\$210,500.00	\$922,450.00	Actual's exceeded predetermined estimate. Per actual invoice which includes tower rigging PLUS modifications. PO 20868 and PO 21060 (in attachments) plus invoice for weather days for \$24,500. Includes addendum to proposal 20353-5	\$922,450.00	Per actual invoice which includes tower rigging PLUS modifications PO 20868 and PO 21060 plus weather days invoice.
Tower Structrual	\$3,000.00	\$3,000.00	Tower structural for revisions required to move to new channel.	\$3,000.00	N/A

Tower Modifications	\$0.00	\$0.00	Minor Tower reinforcement /modifications, may be necessary. Awaiting tower study finding not available at time of submittal.	\$0.00	N/A
Sub-total	\$213,500.00	\$925,450.00	N/A	\$925,450.00	N/A
Total for all systems	\$1,991,054.51	\$2,582,618.75	N/A	\$1,816,119.42	N/A

Components

Actual Information Description	File Name	
Tall Tower (greater than 500')	Component Description: Amount:	Tower work. WBNG - PCI - INV 0001 - PO 21060. Vendor EIN is correct on invoice. See cover letter. \$251,300.00
	Component Description:	Invoice includes rigging PLUS tower modifications. PCI - INV 7732 - PO 20868
	Amount:	\$396,750.00

Component Description: Resubmitted due to

invoice being in wrong category. Weather days for tower work per Addendum . See

attached documents.

Amount: \$24,500.00

Component Description: 7-8-20 Added letter

of explanation from vendor. Per revised

addendum -

revised invoice for wx days, heli mob, work outside

scope, equipment

rental. PCI INV

0018 R

Amount: \$124,250.00

Component Description: 6/30/20 Zeroed

out. Submitted under new

component. New EIN. WBNG - heli mob, wx days - INV 0018 - Addendum to proposal 20353-5

Amount: N/A

Component Description: Tower completion

invoice - PCI INV 0016 - PO 21060

Amount: \$125,650.00

Component Description: Tower work in

addition to tower modifications previously reimbursed. See

attached invoice/PO /Quote. PO 21060 (Proposal 20353-5

is also in

attachments). Total PO amount is

\$376,950.

Additional invoice from PCI expected.

Amount: \$251,300.00

Tower Structrual

Component Description: WBNG- PJ FORD

_ TOWER STRUCTURAL ANALYSIS _ INV -200174 and PO

19970

Amount: \$3,000.00

Tower Modifications

Component Description: WBNG - Asbestos

Monitoring due to repack activities.

Delta - INV

2010 204 004 1

2018.304.001-1;

PO 20375

Amount: \$2,653.40

Component Description: Weather days for

tower modification work. INV 7733 Proposal 19325-5;

Terms &

Conditions line 2 (a). See attached cover letter and addendums.

Amount: \$24,500.00

Component Description: Tower engineering,

Delta invoice#2

Amount: \$4,656.74

Component Description: Tower Engineering

- Delta inv #3

Amount: \$26,142.80

Component Description: WBNG Tower

Engineering - Delta

invoice #1.

Amount: \$11,795.32

Component Description: Tower Engineering

- Delta Invoice #4

Amount: \$1,289.46

Cost Information

Outside Professional Services

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Co
Outside Professional Services	\$206,970.51	\$248,381.01		\$92,806.96	
Quarterly reporting	\$7,500.00	\$7,500.00	Preparation and submittal of the FCC required quarterly report 387 by PM and attorney.	N/A	N/ <i>i</i>
PM- reimbursable travel expenses	\$9,612.00	\$9,612.00	Repack work requires the PM to travel to and from the station as part of the PM responsibilities. The expenses are identified in the PM quote - QC-17011.	\$3,500.13	N/J
General Legal	\$5,366.51	\$5,366.51	General legal counseling for the repack project	\$5,267.51	Per ac costs in
Survey	\$2,390.00	\$2,390.00	Actual costs for survey & mapping for replacement transmitter building.	\$2,390.00	N//
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	\$21,135.60	N/ <i>i</i>

Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$14,000.00	N/A	N/A	N//
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N//
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$3,991.22	N//
Project management of the transition	\$61,462.00	\$98,962.50	Repack project management	\$46,987.50	N//
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N//
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N//

Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,800.00	Actual costs per invoices.	\$7,800.00	WBNG ANTEI SYSTEM HAS ALF BEE PERFOI AND VERIFIC TEST NEW C WAS RU CONF WORK PERFOI CORRE WE UN BUDGE THIS LIII \$80
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$1,735.00	N/.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$4,100.00	\$6,000.00	N/A	N/A	N/A
Sub-total	\$206,970.51	\$248,381.01	N/A	\$92,806.96	N/A
Total for all systems	\$1,991,054.51	\$2,582,618.75	N/A	\$1,816,119.42	N/A

Information not provided.	
Component Description:	WBNG-QCOMM- PM INV QC17-15
Amount:	ITEMS 1010-1018 \$3,500.13
Component Description:	Brooks Repack Legal Services for period ending Nov 2018; INV 396071
Amount:	\$49.50
Component Description:	11-1-19 - WBNG Brooks - Gen lega Jan '18 - INV 3949059 See cov sheet for
Amount:	breakdown. \$35.36
Component Description:	General Repack Legal Service for
	period ending October 31, 2017 INV 3945578
	\$322.29 is WBNG portion of total invoice. See cove
Amazunt	sheet for breakdown. \$322.29
	Amount: Component Description: Component Description: Amount:

Component Description: General Repack

Legal Services for period ending December 31, 2017. INV 3947925 \$40.28 is WBNG portion of

total invoice

Amount: \$40.28

Component Description: General Repack

legal services for period ending July 31, 2017. INV

3942230. \$275.00 is WBNG portion of total invoice.

Amount: \$275.00

Component Description: General Repack

Legal Services for period ending August 31, 2017. INV 3943365. \$117.86 is WBNG portion of total invoice. See cover

sheet for breakdown.

Amount: \$117.86

Component Description: Repack Legal

Services Period ending Oct 31, 2017

INV 3945572

Amount: \$235.00

Component Description: Brooks Repack

Legal Services period ending Dec. 2018; INV 3961872

Amount: \$49.50

Component Description: General Repack

Legal Services for period ending June

30, 2017 INV

3941325 \$266.44 is WBNG portion of total invoice amount

Amount: \$266.44

Component Description: Brooks Legal

Repack Services, period ending June 30, '19; INV 3968511

Amount: \$156.00

Component Description: Brooks - Legal July

'19 - INV 3970198

Amount: \$312.00

Component Description: Brooks Repack

Legal Services period ending Nov, 2017; INV 3946859

Amount: \$47.00

Component Description: 11-1-19 WBNG -

Brooks - Gen Legal - Feb '18 - see cover sheet for breakdown

Amount: \$28.28

Component Description: General Repack

legal services for period ending May 31, 2017 \$190.86 is WBNG portion of total invoice. See cover sheet for breakdown.

Amount: \$190.86

Component Description: WBNG - Brooks -

Gen Legal Jan '20 -

INV 3977752

Amount: \$416.00

Component Description: Brooks Repack

Legal Services, period ending Apr 30, '19; INV 3966160

Amount: \$156.00

Component Description: General Repack

Legal Services for period ending March 31, 2018. INV 3951201 \$28.28 is WBNG portion of

total invoice

Amount: \$28.28

Component Description: Brooks Repack

Legal Services Period ending Oct 31, 2018 INV 3959628

Amount: \$297.00

Component Description: WBNG-BROOKS-

FEB19-INV 3964370

Amount: \$208.00

Component Description: WBNG-BROOKS-

MAY18 INV-3953758

Amount: \$99.00

Component Description: WBNG-BROOKS

JULY18-INV

3955731

Amount: \$99.00

Component Description: General Repack

Legal services for period ending April 30, 2018. INV 3952584 \$28.29 is WBNG portion of total invoice

Amount: \$28.29

Component Description: WBNG-BROOKS-

JAN19 INV 3962865

Amount: \$260.00

Component Description: WBNG-BROOKS-

APR180 INV3952578

Amount: \$594.00

Component Description: WBNG-BROOKS-

MAR18 -INV 3951195

Amount: \$99.00

Component Description: Brooks Repack

Legal Services
Period ending Dec
31, 2017. INV
3947919

Amount: \$282.00

Component Description: General Repack

Legal Services for period ending

November 30, 2017.

INV 3946865 \$221.57 is WBNG portion of total

invoice

Amount: \$221.57

	Component Description: Amount:	Brooks Repack Legal Services period ending Oct 31, 2019; INV 3974479 \$156.00
	Component Description: Amount:	WBNG BROOKS AUG18 INV 3957118 \$198.00
Survey	Component Description: Amount:	Costs for survey for new transmitter building. INV 3586 - PO 20638 \$2,390.00
Comprehensive coverage verification via field study, if needed	Component Description: Amount:	Repack Site Survey. GATES - INV US0298286 - PO GA-00013393 \$21,135.60
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.	
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application

Component Description: WBNG-BROOKS

INV 3949053-JAN18

Amount: \$742.50

Component Description: ATTY FEES MAY17-

WBNG

Amount: \$453.00

Component Description: ATTY FEE- CP-

APRIL17

Amount: \$543.72

Component Description: ATTY FEE CP -

WBNG- SEPT17

Amount: \$94.00

Component Description: ATTY FEES -

WBNG-AUGUST 17

Amount: \$235.00

Component Description: WBNG-ATTY FEES

CP - JULY 17

Amount: \$1,564.00

Component Description: WBNG-ATTY FEES

- JUNE 17

Amount: \$359.00

Project management of		
the transition	Component Description:	WBNG-PM -
		8THRU12-18 INV -
		QC18-024
	Amount:	\$15,165.00
	Component Description:	WBNG - QCOMM -
		PM - APRIL-JULY18
	A	INV QC18-064
	Amount:	\$3,360.00
	Component Description:	WBNG-QCOMM-
		PM-INV QC17-149
		ITEM 4004
	Amount:	\$12,675.00
	Component Description:	WBNG- PM AUG-
		DEC18 - INV QC19-
		022
	Amount:	\$8,437.50
	Component Description:	WBNG-PM-
		1THRU3-18 - INV
		QC18-052
	Amount:	\$7,350.00
Prepare and or review reimbursement form	Information not provided.	

Perform engineering study for new channel assignment and antenna development	Component Description:	WBNG- ENGR NEW CHANNEL ASSIGNMENT INV
	Amount:	\$2,100.00
	Component Description:	PRE FIELD TEST OF ANT SYS FOR CH 7 AND 8.
	Amount:	\$2,700.00
	Component Description:	ENGR-TEST AT SITE ON REFURBED LINE FOR CHANNEL 8
	Amount:	CONFIRMATION. \$3,000.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description: Amount:	WBNG- CP APP-INV \$1,735.00
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
Prepare request for Special Temporary Authorization	Information not provided.	

Cost Information

Other Expenses

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

	Predetermined	Estimated	Estimated Cost		Actual Co
Description	Cost Estimate	Cost	Justification	Actual Cost	Justificat
Other Expenses	\$95,030.00	\$92,985.00		\$9,600.00	
MVPD Notification of Channel Change	\$7,500.00	\$7,500.00	Required FCC notification.	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N/A
AM Pattern Disturbance Remedy	\$21,050.00	\$20,000.00	N/A	N/A	N/A
AM Pattern Disturbance Impact study	\$7,890.00	\$7,500.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A

Disposal Costs (for equipment and other waste, net of any salvage value)	\$10,000.00	\$10,000.00	Rent 40 yard dumpster with multiple pickups. Estimated 6- months on site. Potential hazardous waste management issues.	N/A	N/A
Equipment Delivery and Handling Charges	\$8,000.00	\$8,000.00	Transport, forklift rental and handling fees from staging area to transmitter site.	N/A	N/A
Equipment Storage	\$10,000.00	\$10,000.00	Expecting multiple staggered equipment deliveries from different vendors and need to store and stage new equipment prior to installation date. Anticipate from 6-24 months of storage time.	\$7,200.00	N/A
Develop and air announcement of upcoming channel change	\$15,000.00	\$15,000.00	Required FCC announcements and good will public relations must we upheld. The production airing and disseminating of these announcements are fundamental to our operations.	N/A	N/A

Ambulance Service	\$2,400.00	\$2,400.00	On site ambulance service for helicopter lift of antenna	\$2,400.00	N/A
Sub-total	\$95,030.00	\$92,985.00	N/A	\$9,600.00	N/A
Total for all systems	\$1,991,054.51	\$2,582,618.75	N/A	\$1,816,119.42	N/A

Components

Actual Information Description	File Name
MVPD Notification of Channel Change	Information not provided.
DTV Medical Facility Notification	Information not provided.
AM Pattern Disturbance Remedy	Information not provided.
AM Pattern Disturbance Impact study	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
Equipment Delivery and Handling Charges	Information not provided.

Equipment Storage

Component Description: 4th Qtr 2019

Equipment Storage fee. Not requesting reimbursement for \$200 late fee. NOTE: Actual vendor name is Casey's Garage, but tool does not allow for the " ' ".

Amount: \$1,800.00

Component Description: 2nd quarter

equipment storage fees - INV 1028 -NOTE: Actual vendor name is Casey's Garage but the tool would not allow the " ' ".

Amount: \$1,800.00

Component Description: 1st Quarter 2019 -

Equipment Storage Fees - INV 1025 NOTE: Actual vendor name is Casey's Garage, but tool would not allow the " ' ".

Amount: \$1,800.00

Component Description: 3rd Quarter

Equipment storage fees - Casey's Garage - INV 1031. NOTE: Actual name of vendor is Casey's Garage, but tool would not allow the " ' ".

Amount: \$1,800.00

Develop and air announcement of upcoming channel change	Information not provided.	
Ambulance Service		
	Component Description:	Emergency
		services on site
		during helicopter
		antenna lift -
		Broome INV 420
	Amount:	\$2,400.00

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$1,991,054.51	\$2,582,618.75	\$1,816,119.42

Reimbursem	envestiatus	Response
	The facility has ceased operating on its pre- auction channel.	No
	Construction of final facilities or all necessary modifications are complete.	No
	All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No

Section Question Response

Submission of Estimated Expenses Statements

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.

- 1. The Authorized
 Person signing
 below certifies that he
 /she is authorized to
 submit this TV
 Broadcaster
 Relocation Fund
 Reimbursement
 Form on behalf of
 the above-named
 entity.
- 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.
- 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.

- 4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- 5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
- 7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. BRADY
DREASLER
CORPORATE
DIRECTOR
OF
ENGINEERING

07/08/2020

Section Question Response

Submission of Actual Cost Documentation Statements

WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).

- 1. The Authorized
 Person signing
 below certifies and
 represents that he
 /she is authorized to
 submit this TV
 Broadcaster
 Relocation Fund
 Reimbursement
 Form on behalf of
 the above-named
 entity.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- The above-named entity acknowledges that all certifications and attached documentation are considered material representations.

- 4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
- 5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- 6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

- 8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
- 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. BRADY
DREASLER
CORPORATE
DIRECTOR
OF
ENGINEERING

07/08/2020

Attachments