



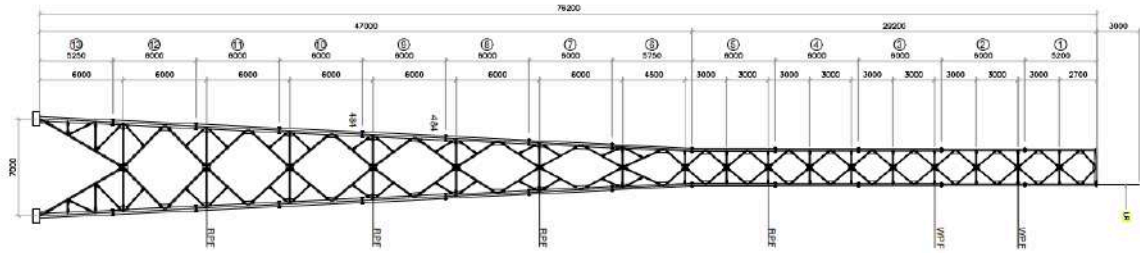
BID BULLETIN NO. 2
28 October 2024

**Design, Supply, Delivery, Installation, Integration, Testing, Commissioning, and Training
for One (1) Set Digital TV Transmission Equipment with Satellite Receiver and Antenna
Systems for PTV Legazpi of the People's Television Network, Inc. (PTNI)
ITB No. 2024-0011**

This bulletin is being issued to revise/clarify certain portions of the bidding documents. This shall form an integral part of the bidding documents for the above-stated project.

ADDITIONAL INFORMATION
<p>Additional Details of the following as "Annex A"</p> <ul style="list-style-type: none">● Antenna Configuration● Electrical System ● Floor Plan● Tower

TOWER MEMBER									
PANEL	1	2	3	4	5	6	7	8	9
MAIN TOWER LEG	25.00M DIA. PFC 100 THK		25.00M DIA. PFC 100 THK		25.00M DIA. PFC 100 THK		25.00M DIA. PFC 100 THK		15.00M DIA. PFC 100 THK
MAINS/CONDUIT	75.00M PFC 6.00 MM THK		75.00M PFC 6.00 MM THK		75.00M PFC 6.00 MM THK		75.00M PFC 6.00 MM THK		60.00M PFC 6.00 MM THK
MAINS/CONDUIT	75.00M PFC 6.00 MM THK		75.00M PFC 6.00 MM THK		75.00M PFC 6.00 MM THK		75.00M PFC 6.00 MM THK		60.00M PFC 6.00 MM THK
INTERNAL SPACINGS	75.00M PFC 6.00 MM THK		75.00M PFC 6.00 MM THK		75.00M PFC 6.00 MM THK		75.00M PFC 6.00 MM THK		60.00M PFC 6.00 MM THK
FEEDER/MAIN/CONDUIT	60.00M PFC 6.00 MM THK		60.00M PFC 6.00 MM THK		60.00M PFC 6.00 MM THK		60.00M PFC 6.00 MM THK		60.00M PFC 6.00 MM THK
FEEDER/MAIN/CONDUIT	60.00M PFC 6.00 MM THK		60.00M PFC 6.00 MM THK		60.00M PFC 6.00 MM THK		60.00M PFC 6.00 MM THK		60.00M PFC 6.00 MM THK
CONDUIT CLASS	300 X 300 X 10 THK		300 X 300 X 10 THK		300 X 300 X 10 THK		300 X 300 X 10 THK		300 X 300 X 10 THK
CONDUIT CLASS	300 X 300 X 10 THK		300 X 300 X 10 THK		300 X 300 X 10 THK		300 X 300 X 10 THK		300 X 300 X 10 THK



MDP SCHEDULE OF LOADS :

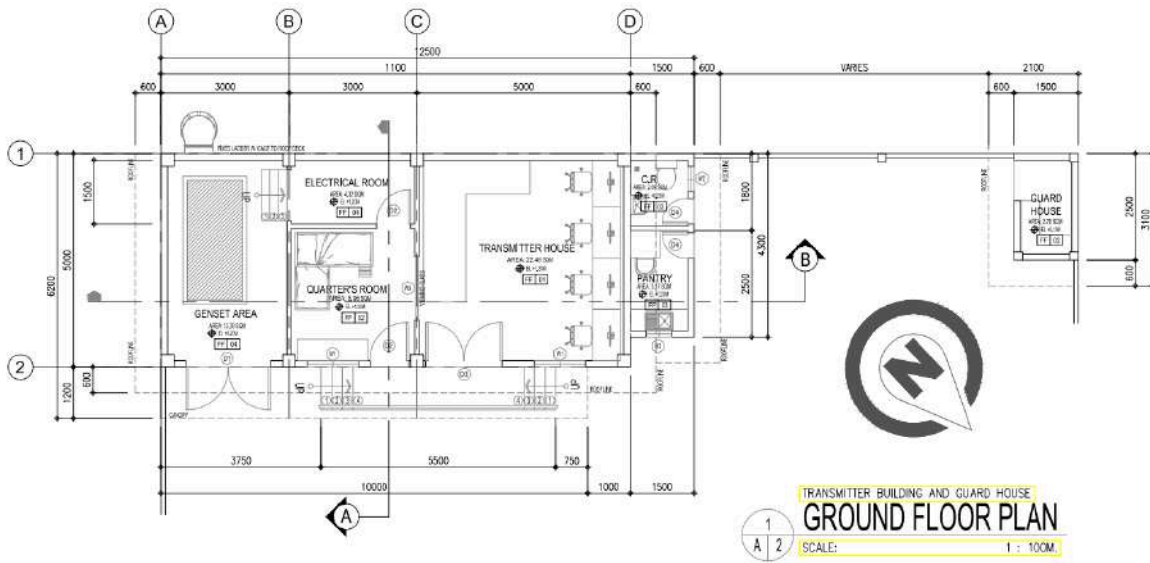
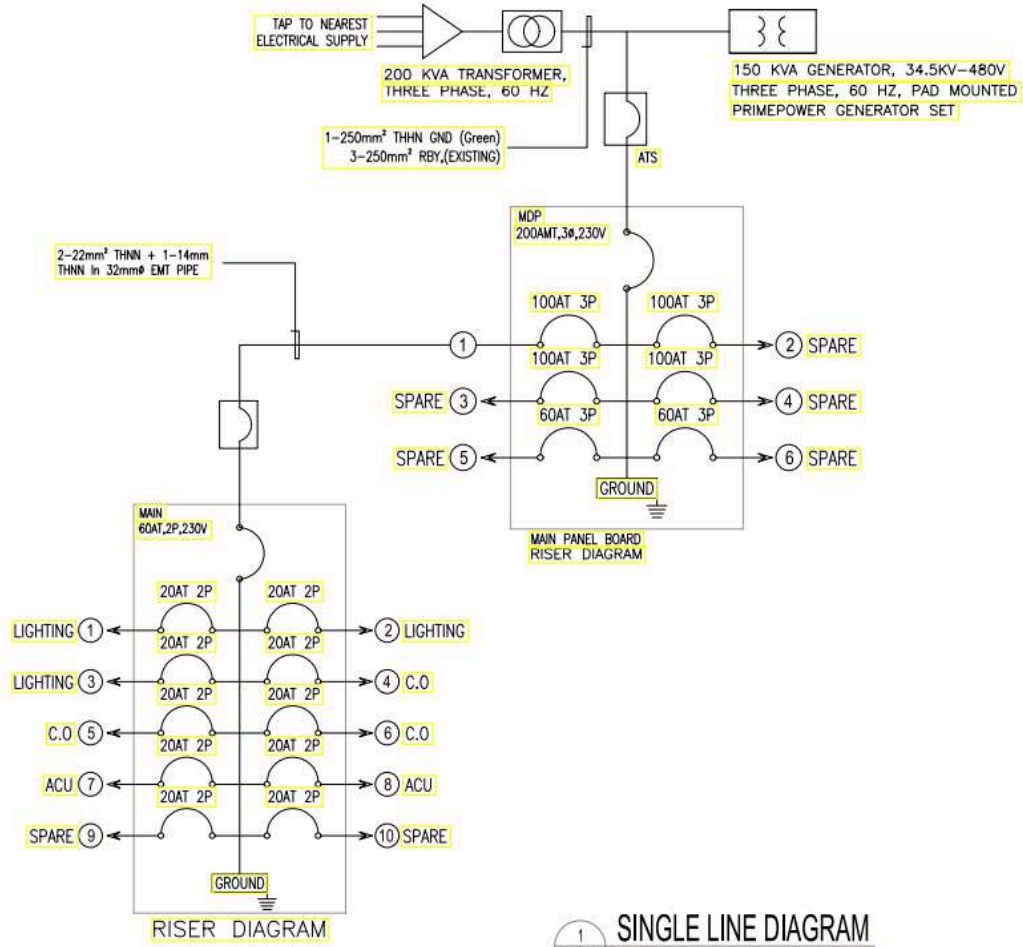
MARK	DESCRIPTION	NO. OF CIRCUIT	SWITCHES				VOLTAGE	WATTAGE	AMPERE PER PHASE			AMPERE PER PHASE				SIZE OF WIRE and CONDUITS			
			S1	S2	S3	S3W			AN	BN	CN	POLE	AT	AF	K/A/C	WIRE	GROUND	CONDUIT	
1	PP1	1					230	280	50 A.				3P	100	50	10	2-22mm THHN ²	1-4mm THHN ²	30mm Ø ENT PIPE
2	SPARE	2					230	120	50 A.				3P	100	50	10	2-22mm THHN ²	1-4mm THHN ²	30mm Ø ENT PIPE
3	SPARE	3					230	120	50 A.				3P	100	50	10	2-22mm THHN ²	1-4mm THHN ²	30mm Ø ENT PIPE
4	SPARE	4					230	120	50 A.				3P	100	50	10	2-22mm THHN ²	1-4mm THHN ²	30mm Ø ENT PIPE
5	SPARE	5					230	120	50 A.				3P	50	50	10	2-22mm THHN ²	1-4mm THHN ²	30mm Ø ENT PIPE
6	SPARE	6					230	120	50 A.				3P	50	50	10	2-22mm THHN ²	1-4mm THHN ²	30mm Ø ENT PIPE
TOTAL							230	880	300A.										


CALCULATION:
 $I_T = 12.30 \text{ A} \times 1.25 = 15.37 \text{ AMP}$
 FEEDER: 2-22mm THHN + 1-14mm THHN IN 32mm Ø RSC CONDUIT
 MAIN: 60AT, 3P, 230V

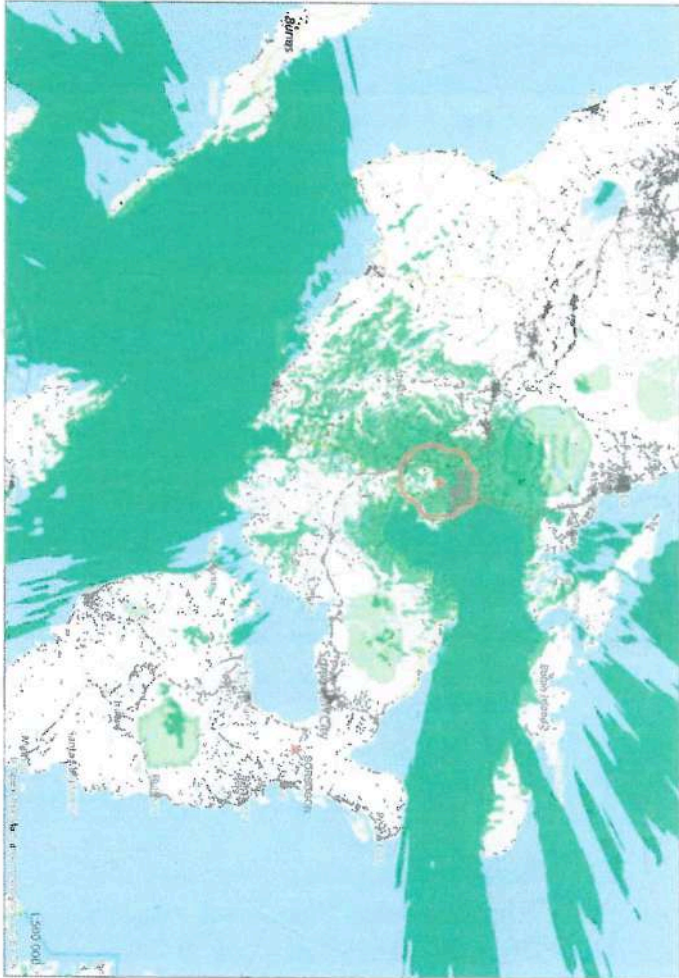
PP1 SCHEDULE OF LOADS :

MARK	DESCRIPTION	NO. OF CIRCUIT	SWITCHES				VOLTAGE	WATTAGE	AMPERE PER PHASE			AMPERE PER PHASE				SIZE OF WIRE and CONDUITS			
			S1	S2	S3	S3W			AN	BN	CN	POLE	AT	AF	K/A/C	WIRE	GROUND	CONDUIT	
1	14-20W LIGHTING	1					230	280	1.22A.				2P	20	50	10	2-3.5mm THHN ²	1-3.5mm THHN ²	20mm Ø ENT PIPE
2	15-20W LIGHTING	2					230	120	.52A.				2P	20	50	10	2-3.5mm THHN ²	1-3.5mm THHN ²	20mm Ø ENT PIPE
3	3-20W LIGHTING	3					230	120	.52A.				2P	20	50	10	2-3.5mm THHN ²	1-3.5mm THHN ²	20mm Ø ENT PIPE
4	5-C.O	4					230	120	.52A.				2P	20	50	10	2-3.5mm THHN ²	1-3.5mm THHN ²	20mm Ø ENT PIPE
5	5-C.O	5					230	120	.52A.				2P	20	50	10	2-3.5mm THHN ²	1-3.5mm THHN ²	20mm Ø ENT PIPE
6	4-C.O	6					230	120	.52A.				2P	20	50	10	2-3.5mm THHN ²	1-3.5mm THHN ²	20mm Ø ENT PIPE
7	ACU 1.0HP	7					230	1840	1.17A.				2P	20	50	10	2-3.5mm THHN ²	1-3.5mm THHN ²	20mm Ø ENT PIPE
8	2-ACU 1.5HP	8					230	2160	9.39A.				2P	20	50	10	2-3.5mm THHN ²	1-3.5mm THHN ²	20mm Ø ENT PIPE
9	SPARE	9					230	120	.52A.				2P	20	50	10	2-3.5mm THHN ²	1-3.5mm THHN ²	20mm Ø ENT PIPE
10	SPARE	10					230	120	.52A.				2P	20	50	10	2-3.5mm THHN ²	1-3.5mm THHN ²	20mm Ø ENT PIPE
TOTAL							230	5100	15.42A.										

CALCULATION:
 $I_T = 12.30 \text{ A} \times 1.25 = 15.37 \text{ AMP}$
 FEEDER: 2-22mm THHN + 1-14mm THHN IN 32mm Ø RSC CONDUIT
 MAIN: 60AT, 3P, 230V



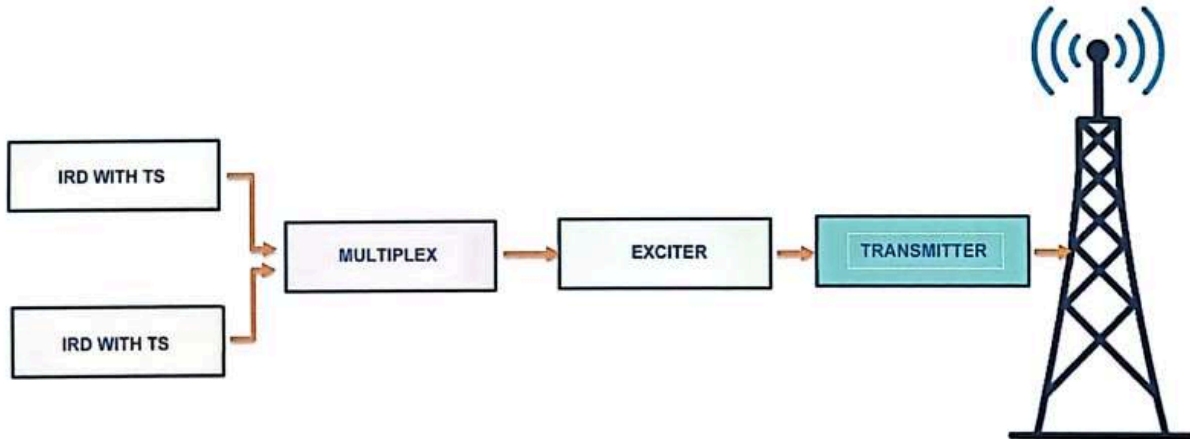
 <p>PEOPLE'S TELEVISION PARASABAYAN INCORPORATED COMPANY, VISAYAS OUTREACH CENTER, QUEZON CITY REGISTERED WITH: CEBU REGISTERED FROM: 00000000000000000000</p>		<p>DOCUMENTS OWNED BY:</p>	
<p>PROFESSIONAL ELECTRONICS ENGINEER</p> <p>ENGR. HILARIO B. MALTU JR.</p> <p>PTN NO.: 51393175-D DATE ISSUED: SEPT. 28, 2023 PLACE: QUEZON CITY</p>		<p>PROJECT TITLE</p> <p>PTV LEGAZPI CHANNEL 39</p> <p>CONTENT RADIO FREQUENCY COVERAGE SIMULATION</p>	
<p>SUBMITTED BY:</p> <p>ENGR. ALEXANDER M. PONCIO OIC, ENGINEERING DIVISION</p>		<p>SHEET NO.</p> <p>P1-07</p>	



Items	Configuration
Location	13.1228900000 123.7266000000
Antennahight	76
Antenna pattern	Directional
Antenna configuration	30 degrees, 2 stacks 120 degrees, 2 stacks 210 degrees, 8 stacks* 300 degrees, 2 stacks
Antenna tilt	0/2* degrees
Polarization	Horizontal
Ratio of transmitting antenna	30 degrees, 1.0 120 degrees, 1.0 210 degrees, 1.0 300 degrees, 1.0
Type of antenna array	UHF panels 4 dipoles
Total gain (dBi)	14
Tx power (kW)	0.5
ERP (kW)	12.6
Channel	39
Guard Interval (us)	-
Relationship of SFN	-



PTV DTT DUAL PROGRAM FORMAT SYSTEM



All other information in the Bidding Documents inconsistent with the above is hereby revised accordingly. All other provisions which are not affected shall remain in effect.

For further guidance and information of all concerned.

Thank you.

-sgd-

JASMINE B. BARRIOS

Chairperson, Bids and Awards Committee