



Department of Animal Production and Health

BIDDING DOCUMENT

Procurement of
SUPPLY & INSTALATION OF SPLIT INVERTER TYPE AIR CONDITIONER
AT LIVESTOCK PLANNING & ECONOMIC DIVISION
NATIONAL COMPETITIVE BIDDING

THE PROCUREMENT GUIDELINE & MANUAL 2024 APPLY

Compliance Sheet for Supply and Installation of Split Ceiling Suspended Inverter Type Air Conditioner
2 Nos

No	Description	Required	Offered
	General		
1	System	Temperature (24°C - 26°C), Split Inverter type air conditioner consisting of Automatically restart, interior unit and remote condensing unit .	
2	Cooling Capacity	60000BTUs	
3	Working voltage	400 +/- 10% AC 50Hz Three Phase	
4	Refrigerant	Ozone Friendly	
5	Environment	35 C ambient temperature and 80% RH	
6	Moisture Removal	1--2 Liters/Hr	
7	Energy Efficiency Ratio	10BTU/Watt or higher	
8	Gas/Liquid Piping	Should be high quality Cu pipes	
9	Drain	Should be suitable for the site condition	
	Indoor Unit		
1	Weight & Mounting	Ceiling suspended type extra light weight (less than 50kg)	
2	Air Flow Rate & Throw/Evaporator	1000-2000 m3/h and more than 8m of air throw	
3	Air Filter	Re-Useable easy cleaning type	
4	Air Direction	Should be Adjustable in four direction	
5	Temperature Control System	High sensively Electronic control system consisting of wireless remote controller	
6	Operational Noise	less than 60 dB(A)	
7	Operating Environment	Normal	
	Outdoor Unit		
1	Compressor	Hermetically Sealed, Low noise, and protected with over load thermal cut-off	
2	Working Environment	35C ambient temperature and 80% RH and 50% solar radiation	
3	Operational Noise	less than 75dbA/1 Meter	
4	Working and Mounting System	Should be light weight and able to mounted out side the building	
5	Unit Cover	It should be made out sheet and painted with weather resistant paint to protect from corrosion	
6	Standard of Quality	System quality should comply with BSS,JIS or DIS	
7	Unit Starting Current	Should not exceed 50 Amp. And should not interrupt other existing electrical supply	
	Safety System for Unit	Recommended safety switches or system (time delay, under voltage and over voltage cut-off relay) should be supplied, Unless they are already built in to the unit	
	Installation	Tender should do pipe line to the unit. Pipe line should be insulated with proper material to eliminate losses of refrigeration cool capacity.	
	Service Availability	The supplier should provide details of services to be provide within and after guarantee period and list of customer to mentioned above model	

	<u>Guarantee</u>	All Equipment installation should be guaranteed against the premature failure and/or unsatisfactory workmanship minimum up to 1 year and compressor should guaranteed up to 5 Years.	
	<u>Other works</u>	N/a	
	<u>Location</u>	Livestock Planning & Economic Division - 04 No's Division of Veterinary Regulatory Affairs - 04 No's	
	<u>Questioner</u>		
	This questioner shall be filled by the contactor and submit with manufacturer's printed technical literature. If any information given in the questioner is found differ at the final handing over, Contractor should be responsible for improvement to meet indicated specifications	Brand Name of the Air Conditioner	
		Model No	
		Cooling Capacity	
		Condition of Unit (Bran New/Recondition)	
		EER Value	
		Type of Indoor Unit	
		Safety System	
		Warranty (Details of Warranty)	

Note:

1. All offers must comply with given specifications or have a higher configuration
2. It is mandatory that the supplier fills the compliance sheet with correct information
3. Approval for payment will be given upon completing the supply, installation and commissioning of machines successfully
4. It is recommended to visit the site before giving the offer

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Specification for Supply and Installation of 24000BTU Split Inverter Ceiling Suspended Air Conditioner
04 Nos

No	Description	Required	Offered
	General		
1	System	Temperature (24°C - 26°C), Split Inverter type air conditioner consisting of Automatically restart, interior unit and remote condensing unit .	
2	Cooling Capacity	24000BTUs	
3	Working voltage	230 +/- 10% AC 50Hz Single Phase	
4	Refrigerant	Ozone Friendly	
5	Environment	35 C ambient temperature and 80% RH	
6	Moisture Removal	1--2 Liters/Hr	
7	Energy Efficiency Ratio	10BTU/Watt or higher	
8	Gas/Liquid Piping	Distance less than 5m	
9	Drain	Should be suitable for the site condition	
	Indoor Unit		
1	Weight & Mounting	Ceiling Suspended mounted type extra light weight (less than 30kg)	
2	Air Flow Rate & Throw/Evaporator	500-1400 m3/h and more than 6m of air throw	
3	Air Filter	Re-Useable easy cleaning type	
4	Air Direction	Should be Adjustable in four direction	
5	Temperature Control System	High sensively Electronic control system consisting of wireless remote controller	
6	Operational Noise	less than 60 dB(A)	
7	Operating Environment	Normal	
	Outdoor Unit		
1	Compressor	Hermetically Sealed, Low noise, and protected with over load thermal cut-off	
2	Working Environment	35C ambient temperature and 80% RH and 50% solar radiation	
3	Operational Noise	less than 75dbA/1 Meter	
4	Working and Mounting System	Should be light weight and able to mounted out side the building	
5	Unit Cover	It should be made out sheet and painted with weather resistant paint to protect from corrosion	
6	Standard of Quality	System quality should comply with BSS, JIS or DIS	
7	Unit Starting Current	Should not exceed 50 Amp. And should not interrupt other existing electrical supply	
	Safety System for Unit	Recommended safety switches or system (time delay, under voltage and over voltage cut-off relay) should be supplied, Unless they are already built in to the unit	
	Installation	Tender should do pipe line to the unit. Pipe line should be insulated with proper material to eliminate losses of refrigeration cool capacity.	
	Service Availability	The supplier should provide details of services to be provide within and after guarantee period and list of customer to mentioned above model	

<u>Guarantee</u>	All Equipment installation should be guaranteed against the premature failure and/or unsatisfactory workmanship minimum up to 1 year and compressor should guaranteed up to 5 Years.	
<u>Other works</u>	Existing out of order machines should be removed.(please mention if any cost should be involved)	
<u>Location</u>	Livestock Planing & Economics Division - Chief and AP&H Officer Area (03)	
<u>Questioner</u>		
This questioner shall be filled by the contactor and submit with manufacturer's printed technical literature. If any information given in the questioner is found differ at the final handing over, Contractor should be responsible for improvement to meet indicated specifications	Brand Name of the Air Conditioner	
	Model No	
	Cooling Capacity	
	Condition of Unit (Bran New/Recondition)	
	EER Value	
	Type of Indoor Unit	
	Safety System	
	Warranty (Details of Warranty)	
	Unit Price	
	Electrical Installation Price	
	Other Cost	
	Total Price	

Note:

1. All offers must comply with given specifications or have a higher configuration
2. It is mandatory that the supplier fills the compliance sheet with correct information
3. Approval for payment will be given upon completing the supply, installation and commissioning of machines successfully
4. It is recommended to visit the site before giving the offer

Specification for Supply and Installation of Split Inverter Type Wall Mounted Air Conditioner

No	Description	Required	Offered
	General		
1	System	Temperature (26°C), Split Inverter type air conditioner consisting of Automatically restart, interior unit and remote condensing unit .	
2	Cooling Capacity	24000BTUs	
3	Working voltage	230 +/- 10% AC 50Hz Single Phase	
4	Refrigerant	Ozone Friendly	
5	Environment	35 C ambient temperature and 80% RH	
6	Moisture Removal	1-2 Liters/Hr	
7	Energy Efficiency Ratio	11BTU/Watt or higher	
8	Gas/Liquid Piping	Distance less than 5m	
9	Drain	Should be suitable for the site condition	
	Indoor Unit		
1	Weight & Mounting	Wall mounted type extra light weight (less than 25kg)	
2	Air Flow Rate & Throw/Evaporator	500-800 m3/h and more than 10m of air throw	
3	Air Filter	Re-Useable easy cleaning type	
4	Air Direction	Should be Adjustable in four direction	
5	Temperature Control System	High sensively Electronic control system consisting of wireless remote controller	
6	Operational Noise	less than 45dB(A)	
7	Operating Environment	Normal	
	Outdoor Unit		
1	Compressor	Hermetically Sealed, Low noise, and protected with over load thermal cut-off	
2	Working Environment	35C ambient temperature and 80% RH and 50% solar radiation	
3	Operational Noise	less than 65dbA/1 Meter	
4	Working and Mounting System	Should be light weight and able to mounted out side the building	
5	Unit Cover	It should be made out sheet and painted with weather resistant paint to protect from corrosion	
6	Standard of Quality	System quality should comply with BSS,JIS or DIS	
7	Unit Starting Current	Should not exceed 50 Amp. And should not interrupt other existing electrical supply	
	Safety System for Unit	Recommended safety switches or system (time delay, under voltage and over voltage cut-off relay) should be supplied, Unless they are already built in to the unit	
	Installation	Tender should do pipe line to the unit. Pipe line should be insulated with proper material to eliminate losses of refrigeration cool capacity.	
	Service Availability	The supplier should provide details of services to be provide within and after guarantee period and list of customer to mentioned above model	

	Warranty	All Equipment installation should be guaranteed against the premature failure and/or unsatisfactory workmanship minimum up to 1 year and compressor should guaranteed up to 5 Years.	
	Other works	N/A	
	Location	Director Room - Planning	
	Questioner		
This questioner shall be filled by the contactor and submit with manufacturer's printed technical literature. If any information given in the questioner is found differ at the final handing over, Contractor should be responsible for improvement to meet indicated specifications		Brand Name of the Air Conditioner	
		Model No	
		Cooling Capacity	
		Condition of Unit (Bran New/Recondition)	
		EER Value	
		Type of Indoor Unit	
		Safety System	
		Warranty (Details of Warranty)	
		Unit Price	
		Electrical Installation Price	
		Other Cost	
		Total Price	

Note:

1. All offers must comply with given specifications or have a higher configuration
2. It is mandatory that the supplier fills the compliance sheet with correct information
3. Approval for payment will be given upon completing the supply, installation and commissioning of machines successfully
4. It is recommended to visit the site before giving the offer

Specification for Supply and Installation of 18000 BTU Split Inverter Type Wall Mounted Air Conditioner

No	Description	Required	Offered
	<u>General</u>		
1	System	Temperature (26°C), Split inverter type air conditioner consisting of Automatically restart , interior unit and remote condensing unit .	
2	Cooling Capacity	18000BTUs	
3	Working voltage	230 +/- 10% AC 50Hz Single Phase	
4	Refrigerant	Ozone Friendly	
5	Environment	35 C ambient temperature and 80% RH	
6	Moisture Removal	1--2 Liters/Hr	
7	Energy Efficiency Ratio	11BTU/Watt or higher	
8	Gas/Liquid Piping	Distance less than 15m	
9	Drain	Should be suitable for the site condition	
	<u>Indoor Unit</u>		
1	Weight & Mounting	Wall mounted type extra light weight (less than 25kg)	
2	Air Flow Rate & Throw/Eva	500-800 m3/h and more than 10m of air throw	
3	Air Filter	Re-Useable,easy cleaning type	
4	Air Direction	Should be Adjustable in four direction	
5	Temperature Control System	High sensively Electronic control system consisting of wireless remote controller	
6	Operational Noise	less than 45dB(A)	
7	Operating Environment	Normal	
	<u>Outdoor Unit</u>		
1	Compressor	Hermetically Sealed, Low noise, and protected with over load thermal cut-off	
2	Working Environment	35C ambient temperature and 80% RH and 50% solar radiation	
3	Operational Noise	less than 65dbA/1 Meter	
4	Working and Mounting System	Should be light weight and able to mounted out side the building	
5	Unit Cover	It should be made out sheet and painted with weather resistant paint to protect from corrosion	
6	Standard of Quality	System quality should comply with BSS,JIS or DIS	
7	Unit Starting Current	Should not exceed 50 Amp. And should not interrupt other existing electrical supply	
	<u>Safety System for Unit</u>	Recommended safety switches or system (time delay, under voltage and over voltage cut-off relay) should be supplied, Unless they are already built in to the unit	
	<u>Installation</u>	Tender should do pipe line to the unit. Pipe line should be insulated with proper material to eliminate losses of refrigeration cool capacity.	
	<u>Service Availability</u>	The supplier should provide details of services to be provide within and after guarantee period and list of customer to mentioned above model	

Specification for Supply and Installation of 18000 BTU Split Inverter Type Wall Mounted Air Conditioner

No	Description	Required	Offered
	<u>General</u>		
1	System	Temperature (26°C), Split inverter type air conditioner consisting of Automatically restart , interior unit and remote condensing unit .	
2	Cooling Capacity	18000BTUs	
3	Working voltage	230 +/- 10% AC 50Hz Single Phase	
4	Refrigerant	Ozone Friendly	
5	Environment	35 C ambient temperature and 80% RH	
6	Moisture Removal	1--2 Liters/Hr	
7	Energy Efficiency Ratio	11BTU/Watt or higher	
8	Gas/Liquid Piping	Distance less than 15m	
9	Drain	Should be suitable for the site condition	
	<u>Indoor Unit</u>		
1	Weight & Mounting	Wall mounted type extra light weight (less than 25kg)	
2	Air Flow Rate & Throw/Eva	500-800 m3/h and more than 10m of air throw	
3	Air Filter	Re-Useable, easy cleaning type	
4	Air Direction	Should be Adjustable in four direction	
5	Temperature Control System	High sensively Electronic control system consisting of wireless remote controller	
6	Operational Noise	less than 45dB(A)	
7	Operating Environment	Normal	
	<u>Outdoor Unit</u>		
1	Compressor	Hermetically Sealed, Low noise, and protected with over load thermal cut-off	
2	Working Environment	35C ambient temperature and 80% RH and 50% solar radiation	
3	Operational Noise	less than 65dbA/1 Meter	
4	Working and Mounting System	Should be light weight and able to mounted out side the building	
5	Unit Cover	It should be made out sheet and painted with weather resistant paint to protect from corrosion	
6	Standard of Quality	System quality should comply with BSS, JIS or DIS	
7	Unit Starting Current	Should not exceed 50 Amp. And should not interrupt other existing electrical supply	
	<u>Safety System for Unit</u>	Recommended safety switches or system (time delay, under voltage and over voltage cut-off relay) should be supplied, Unless they are already built in to the unit	
	<u>Installation</u>	Tender should do pipe line to the unit. Pipe line should be insulated with proper material to eliminate losses of refrigeration cool capacity.	
	<u>Service Availability</u>	The supplier should provide details of services to be provide within and after guarantee period and list of customer to mentioned above model	

Warranty	All Equipment installation should be guaranteed against the premature failure and/or unsatisfactory workmanship minimum up to 1 year and compressor should guaranteed up to 5 Years.	
Other works	N/A	
Location	Deputy Director Room - Planning - 01No	
Questioner		
This questioner shall be filled by the contactor and submit with manufacturer's printed technical literature. If any information given in the questioner is found differ at the final handing over, Contractor should be responsible for improvement to meet indicated specifications	Brand Name of the Air Conditioner	
	Model No	
	Cooling Capacity	
	Condition of Unit (Bran New/Recondition)	
	EER Value	
	Type of Indoor Unit	
	Safety System	
	Warranty (Details of Warranty)	
	Unit Price	
	Cu Pipe (15m)	
	Electrical Installation Price	
	Other Cost	
	Total Price	

Note:

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4. It is recommended to visit the site before giving the offer