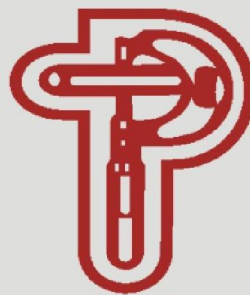


TUBES YOU CAN RELY ON.



**PARASMANI TUBES PVT. LTD.**

An ISO 9001-2008 Certified Company

# ABOUT US

## Our Story

Our story started when who one man had the vision of the future. When, Shri Chandulal M Vohera believed that the need of the future will be drastically different, and started this company with the strong mission to manufacture great quality pipes for our customers. That is when the brand "PARASMANI" which is so well known today for its quality - started.

## Manufacturing our dreams since 1989

What started in 1989 has continued its legacy. Today, Parasmani Tubes Pvt.Ltd. is known for pipes that promise and live up to its quality. These pipes are manufactured by industry standard process and go through stringent quality tests that challenge the pipes manufactured by some of the best companies in the world.

At Parasmani, we are committed to manufacture copper tubes, which exceed our customer's expectations by its consistent quality and our timely delivery policy.

Our passion for manufacturing helps us continuously improve the product quality by implementing, maintaining & adhering to the quality management system in the organization. We have total manufacturing facility with the latest automized / semi-automized machineries, extensive R & D facilities and fully equipped quality control department.

As a result of our hard work and success, we now operate all over India through our branches at various states helping us to serve our customers

## Our Vision

We started out with a vision to be one of the best manufacturers of tubes, become our customer's preferred supplier and create a highly transparent work place.

## Our Mission

At Parasmani, we want to deliver on our promises and fulfill our mission by providing great products to our customers through our low cost but high quality tubes.

## Our Values

Our values provide us the right direction to accomplish our vision and mission. We here work with values that put our customers in the center of everything we do. And dedicate ourselves to exceed the expectations of our customers, innovate our process and products to produce excellent products.

Helping us  
continuously



PTP K-SERIES

# *Parasmani Tubes Pvt. Ltd.*



Mfgs. of: AIRCONDITION & REFRIGERATION COPPER TUBES & FITTINGS

## **COMPANY PROFILE**

### **PART A – BASIC INFORMATION**

- 1 Name of the Organization : Parasmani Tubes Pvt. Ltd.
- 2 Office Address : 2A, D.S. Kapole Niwas ( Sanghavi Sadan ),  
4th Khetwadi Lane, Mumbai – 400 004
- 3 Phone No : 022 – 28700189 / 28702795
- 4 Email : [piyush@parasmanitubes.com](mailto:piyush@parasmanitubes.com)
- 5 Factory Address : 5/2, G.I.D.C., Umbergaon – 396171,  
Dist. - Valsad, Gujarat
- 6 Phone No. : 0260 – 2562953
- 7 Nature of business : Mfgs.of Air-condition Copper Tubes & Fittings.
- 8 Years in business : Since 1989
- 9 Key Contact : Piyush Vora - 09322253181/ 09820753181  
Savan Vora - 09321917251 / 09833840180
- 10 PAN No. : AABCP7664D
- 11 VAT TIN NO. : 27880354387V dated. 01.04.2006
- 12 CST TIN NO. : 27880354387C dated. 01.04.2006
- 13 Our Extended Arms : Umbergaon, Mumbai, Ahmedabad, Delhi,  
Bangalore, Jaipur, Calcutta

# *Parasmani Tubes Pvt. Ltd.*



Mfgs. of: AIRCONDITION & REFRIGERATION COPPER TUBES & FITTINGS

## **PART B – TECHNICAL INFORMATION**

1	Products Manufactured	Copper Tubes & Copper Fittings
2	Distribution Agencies	Armaflex Insulation Material
3	Products Reselling	G.I. Sheets (Jindal), M.S. / G.I. Pipes (Tata & Jindal), Copper Cable (Polycab) PVC Pipe (Prince & Kisan),
4	Third Party Products Testing	TCR Engineering Services Pvt. Ltd., Navi Mumbai.
5	Details of Plant and Machinery	Annexure – I
6	Details of Testing & Inspection Instruments	Annexure – II
7	Details of Laboratory Facilities	Annexure – III
8	Our Valued Customers	Annexure – IV



## **PART C – QUALITY SYSTEM**

- |   |  |                      |
|---|--|----------------------|
| 1 | QA/ QC facility in-house                                 | Yes, Sheet Attached. |
| 2 | ISO 9000 certified                                       | Yes, Copy Attached.  |
| 3 | Inspection at each stage of Manufacturing                | Yes                  |
| 4 | Trained personnel for carrying out manufacturing process | Yes                  |

# Parasmani Tubes Pvt. Ltd.



Mfgs. of: AIRCONDITION & REFRIGERATION COPPER TUBES & FITTINGS

## ANNEXURE – I

### LIST OF PLANT AND MACHINERY

Sr. No.	Description & Specification of Machine	Make	Year of Installation	Accuracy & Finish Attainable	Size & Capacity	No. of Machines Installed
1	Draw Bench – 1	Steel Ward	2012	+/- 0.1 mm	40 MT, 50 Ft	1 No.
2	Draw Bench - 2 (Twin Heavy)	Steel Ward	2010	+/- 0.1 mm	10 MT, 100 Ft	1 No.
3	Draw Bench - 2 (Twin Light)	Steel Ward	2010	+/- 0.1 mm	10 MT, 65 Ft	1 No.
4	Rotary Swaging Machine (25 mm)	Gupta Engineering	2012	Not Applicable		1 No.
5	Rotary Swaging Machine (80 mm)	Gupta Engineering	2011	Not Applicable		1 No.
6	Straightening Machines ( 80 mm)	Gupta Engineering	2013	Straightness 1 mm / meter		1 No.
7	Cutting Saw / Hacksaw Machine	Apex Industries	2012	+/- 2 mm		
8	Water Pump Station / Bore well	Bhandari Bore well	2012	Not Applicable		1 No.
9	EOT Cranes	Safex Equipment Pvt. Ltd.	2016	Not Applicable		1 No.
10	63 KW Bright Annealing Furnace with 40" inner dia Vertical Pots	Savita Engineering	2016	Not Applicable		1 No Furnace / 3 Nos Pots
11	Tool Room Machine (Lathe Machines)	Vivek Machine Tools	2011	Not Applicable	4 Ft, 9 Ft & 14 Ft	1 No.
12	Gas Fired Intermediate Annealing Furnace			Not Applicable		1 No.
13	Vaughn Cut To Length Machine with Pancake Coiler	National Machinery Exchange, INC	2009	Not Applicable		1 No.

# *Parasmani Tubes Pvt. Ltd.*



Mfgs. of: AIRCONDITION & REFRIGERATION COPPER TUBES & FITTINGS

## ANNEXURE – II

### LIST OF TESTING & MEASURING EQUIPMENTS

Sr. No	Type of Instruments	No of Instruments	Measurement Range
1	Vernier Dial Caliper	4	2 mm to 150 mm
2	Micrometer	2	0.1 mm to 25 mm
3	Hydro Tester	1	
4	Numetic Pressure Tester	1	

## ANNEXURE – III

### LIST OF LABORATORY FACILITIES

Sr. No.	Type of Facilities	Make	Sizes & Capacity
1	Eddy Current Testing Machine	Technofour	6mm to 159mm
2	Universal Testing Machine	Mectronics, Kolhapur	6mm to 159mm
3	Hardness Tester (Vickers)	Mectronics, Kolhapur	6mm to 159mm
4	Hardness Tester (Rockwell)	Mectronics, Kolhapur	6mm to 159mm
5	Metallurgical Microscope	Vardhman Works Pvt. Ltd.	-----



# INFRASTRUCTURE

Parasmani Tubes has a state of the art production facility in Valsad district of Gujarat spread across 20000 Sq.Ft. with a production capacity of 1500 Metric Tonnes driven by a dedicated workforce exceeding 50 personnel ensuring high quality products

RE-DRAWING MACHINERY



MARKING



TESTING



FINISHED GOODS



The above infrastructures help us deliver truly world class products to our customers.

PTP K-SERIES

PTP K-SERIES

PTP K-SERIES



Our production facility is well equipped with the latest machineries for



## Universal Testing Machine

We have Universal Testing Machine which is microprocessor based electro-mechanical machine with servo drive designed for testing and studying material Behavior. This machine

## Hardness Testing Machine

Our Hardness Testing Machine is suitable for testing hardness of Copper whether flat, round, or irregular shape. These testers are simple in design and easy to operate, yet sensitive & accurate. This machine strictly confirms to IS : 1586-2000, ASTM : E 18 for



## Bright Annealing Furnace

These annealing furnaces are used for changing the hardness and strength properties of our metal by heating it at very high temperatures.

## Eddy Current Testing Machine

The on-line eddy current flaw testing system is installed in our production line, to test if there is any crack, air hole, slag inclusion etc. as per the testing



# Parasmani Tubes Pvt. Ltd.



Mfgs. of: AIRCONDITION & REFRIGERATION COPPER TUBES & FITTINGS

## ANNEXURE – IV

### LIST OF OUR VALUED CUSTOMERS

Name	City	Dealer	How long
24 ASSURED SERVICES PVT.LTD.	COCHIN	BLUESTAR	Since 2002
ACE GLOBAL AIRCON SERVICE LTD.	MUMBAI	CARRIER	Since 2004
ACUBE ENGINEERING & CONS. LTD	MUMBAI	BLUESTAR	Since 1998
AIRCON INDIA – SOUTH	COCHIN	CARRIER	Since 2002
AIRCON REFRIGERATION COMPANY.	BANGLORE	CARRIER	Since 2008
AIR TECH ENGINEERING AND SOLUTIONS.	PUNE	DAIKIN	Since 2008
ALFA.	NASHIK	DAIKIN	Since 2006
ANUKOOL AIRCON PRIVATE LIMITED	MUMBAI	DAIKIN	Since 2006
ARCTIC	NAGPUR	TOSHIBA	Since 2008
Arctic Systems	COCHIN	BLUESTAR	Since 2006
AS AIR SYSTEMS PVT.LTD.	DELHI	DAIKIN	Since 2006
ASIATIC ENGINEERING.	MUMBAI	DAIKIN	Since 1999
AVDHOT CORPORATION.	BARODA	BLUESTAR	Since 2002
BLUE STAR LTD	MUMBAI	BLUESTAR	Since 2002
BOOPATHY ASSOCIATES PVT.LTD.	CHENNAI		Since 2008
CARRIER AIRCONDITIONING & REF. LTD	MUMBAI	CARRIER	Since 2002
CARRIER MIDEA INDIA PVT. LTD.	GURGAON	MIDEA	Since 2014
CHILL TECH ENGINEERS	CHENNAI	DAIKIN	Since 2005
COMFORTLINE AIRCONDITIONING	HYDERABAD	CARRIER	Since 2008
CRYOGENIC ENGINEERS PVT.LTD.	CHENNAI	BLUESTAR	Since 2006
EVEREST AIRSYSTEMS P. LTD	PUNE	BLUESTAR	Since 2005
EXPERT AIRCON.	MUMBAI	BLUESTAR	Since 2005
GEN TECH ENGINEERING SERVICE.	NAGPUR	BLUESTAR	Since 2006
HTL AIRCON PVT.LTD.	MUMBAI	DAIKIN	Since 2007
JMD HVAC PVT.LTD.	MUMBAI	SAMSUNG	Since 2005
LOGOMAN AIRCONDITIONING P. LTD.	PUNE	DAIKIN	Since 2005
LARSEN & TOUBRO LTD.	GUJRAT		Since 2014
MAGNUM AIRTECHNICS SERVICES.	MUMBAI	DAIKIN	Since 2007
MIDWAY COMFORTS SALES	MUMBAI	CARRIER	Since 2007
MORNING STAR	COCHIN	VOLTAS	Since 2006
M.S.SYSTEMS.	MUMBAI	DAIKIN	Since 2005
NIKHIL COMFORTS.	MUMBAI	TOSHIBA	Since 1999
OPAL HVAC ENGINEERS PVT.LTD.	MUMBAI	BLUESTAR	Since 2008

# Parasmani Tubes Pvt. Ltd.



Mfgs. of: AIRCONDITION & REFRIGERATION COPPER TUBES & FITTINGS

OZONE AIRCONDITIONING	MUMBAI	BLUESTAR	Since 2008
POLESTAR REFRIGERATION P.LTD.	MUMBAI		Since 2006
QUIET COOL ELECTRONICS PVT.LTD.	MUMBAI	DAIKIN	Since 2005
REACON ENGINEERS.	COCHIN	DAIKIN	Since 2005
SAFE AIR ENGINEERS PVT.LTD.	PUNE	DAIKIN	Since 2006
SAI AGENCIES	GUNTUR	DAIKIN	Since 2008
SATYAM AIRCON	MUMBAI	LG	Since 2001
SAVLON AIRCON PVT.LTD.	MUMBAI	BLUESTAR	Since 2005
SNEHAL AC AND R ENGG.PVT.LTD.	MUMBAI		Since 2005
SPACE AIR	CHENNAI	BLUESTAR	Since 2008
SRI COMFORT AIR PRODUCTS	HYDERABAD	DAIKIN	Since 2008
SUVIDHA ENGINEERS INDIA LTD	MUMBAI		Since 2008
UNIMECH SYSTEMS (CHENNAI) PVT.LTD.	CHENNAI	CARRIER	Since 2008
UNIQUE AIR CONDITIONING.	MUMBAI	DAIKIN	Since 2006
VAC DESIGN ENGINEERS PVT.LTD.	CHENNAI	BLUESTAR	Since 2008
VATANUCOOL ENGINEERS PVT.LTD.	MUMBAI	BLUESTAR	Since 1998
VIGHNESHWAR AIRCONDITIONERS.	NASHIK	BLUESTAR	Since 2006
VIGHNESHWAR AIRCOND. P. LTD.	MUMBAI	BLUESTAR	Since 1999
VOLTAS LIMITED.	COCHIN		Since 2005
VRF AIRCON PVT.LTD.	PUNE	CARRIER	Since 2008
ZITA AND COMPANY	COCHIN	BLUESTAR	Since 2005
ZOAIR	PUNE	BLUESTAR	Since 2008

# Parasmani Tubes Pvt. Ltd.



Mfgs. of: AIRCONDITION & REFRIGERATION COPPER TUBES & FITTINGS

<b><u>LIST of items dealt</u></b>			
	<b>PRODUCT</b>	<b>MAKE</b>	<b>SIZES</b>
1	Copper Tubes – Half Hard	PTP K-Series	54 mm OD to 6.4 mm OD 3 mm Thk to 0.7 mm Thk
2	Copper Tubes – Soft	PTP K-Series	19.1 mm OD to 6.4 mm OD 1.2 mm Thk to 0.7 mm Thk
3	Copper Tubes – Hard	PTP K-Series	108 mm OD to 6.4 mm OD 6 mm Thk to 0.5 mm Thk
4	Copper Fittings	PTP K-Series	108 mm OD to 6.4 mm OD 3 mm Thk to 1.0 mm Thk
5	Brazing Rods	Harris	1/8 & 1/16
6	Armaflex Tubler – Class 'O'	Armacell	9mm, 13mm, 19mm, 25mm & 32mm Thk for all tube sizes
7	Armaflex Sheets – Class 'O'	Armacell	6mm,9mm, 13mm, 16mm, 19mm, 25mm & 32mm (With Aluminium Foil also)
8	Armasound Sheets – Class 'O'	Armacell	6mm,10mm, 15mm, 20mm & 25mm
9	Armaflex Tape – Class 'O'	Armacell	50 mm x 3 mm x 9.14 mtr
10	Accoflex Tubler & Sheets – Class 'A'	Armacell	All sizes of Tubes & Sheets
11	Accoflex Tape	Armacell	50 mm x 3 mm x 8.4 mtr
12	Adhesive - Duct seal	Armacell	5 Ltr & 30 Ltr Can

# OUR PRODUCT PORTFOLIO



## STRAIGHT COPPER TUBES :

We provide customers with straight copper tubes from 1/8" to 4 1/8" in 10 feet length and also as per their requirements which helps the customers to reduce the scrap at their end. We also provide copper tubes in hard, half hard, quarter hard, light annealed



## PANCAKE COPPER COILS:

Pancake coils are pipes provided in 50 feet rolls. These pipes are soft which can be straightened and bended



## COPPER FITTINGS:

Fitting are produce in size range from 1/4" to 4 1/8", in heavy wall thickness as required for HVAC industries.



# VRV & VRF Special Copper Tube Series

PTP K series ACR Copper Tubes Provides the strength, precision and cleanliness for the demanding conditions of HVAC and refrigeration application.

Tubes are manufactured to suit various specifications; prominent amongst these are the ASTM B68, ASTM B75, BS2871, EN 1057, ASTM B280 and the JIS H3300. Tubes are also manufactured to suit internal customer specifications. We are proud to supply to wide range of refrigeration & air conditioning requirement in hard, half hard, quarter hard or soft annealed condition.

The internal bore cleanliness meets the requirement of the residue test as specified by the codes to give you a meticulously clean mirror-like inner surface & also to suit the new refrigeration gases like R 134 A, R-600 or R-410 & refrigeration lubricants like Ester Oil. The tube integrity is well defined by the fact that all tubes meet the standards of ASTM E243.

The sizes manufactured range from 1/8"OD to 4 1/8" OD & in thickness from 10 to 30 SWG Tubes which can be supplied in 50 feet or 15 meters coil from or in straight length of 10 feet or as per client requirements.

As per the quality's requirement we follow a strict chemical test report of every batch of raw



# ***Parasmani Tubes Pvt. Ltd.***



Mfgs. of: AIRCONDITION & REFRIGERATION COPPER TUBES & FITTINGS

## **Quality Assurance.**

Dear Sir,

We introduce ourselves quality materials manufacturer / supplier of Airconditioning materials & accessories for the last several years. We also like to put to your record that we are already supplying the material to various dealers with their satisfaction and we are proud of supplying the quality materials to our valued customers like you.

We understand that your company has very stringent quality standards for your reputed products and we also understand that you do not compromise on quality standards anywhere. We will be glad to work with you taking into account the above fact, if we are given opportunity to supplying materials to your quality standards and expectation

As per the quality's requirement we follow a strict chemical test report of every batch of raw material made out of cathode with 99.99% purity and not from scrap. Correct chemical composition of this raw material is the most critical characteristic that determines the quality of finished tubes.

As we are dealing in all types of Airconditioning materials with ready stocks and manufacturing base, we assure you that we will be able to supply the said materials as per your quality standards without any compromise on quality and time schedule. We would like to put to your notice that we are having manufacturing of Copper Tubes with built in process of cleaning the tubes from inside surface with special chemicals which at the end of process leave no chemical residue or carbon.

Taking into account our above statements for quality assurance, we also like to let you know the same thing and same satisfaction from some dealers to whom we are supplying the said materials. We will be glad to receive any suggestion for improvement in quality of materials in future as our policy of dynamic towards our customers.

With Regards

For **Parasmani Tubes Pvt. Ltd.**

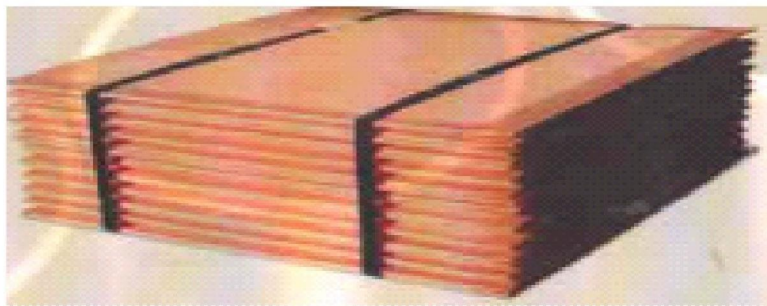
**Piyush Vora**





# CHEMICAL COMPOSITON AND MECHANICAL PROPERTIES

Standard	Copper Alloy no.	Chemical composition		Mechanical Properties			
		Cu%	P%	Temper	Tensile strength (Mpa)	Elongation (%)	Average Grain Size (mm)
JIS H3300	C1220	$\geq 99.9$	0.015-0.040	O60 O50	$\geq 205$ $\geq 245$	$\geq 40$	$>0.040$ 0.015-0.040
ASTM B280	C12200	$\geq 99.9$	0.015-0.040	O60 H58	$\geq 205$ $\geq 250$	$\geq 40$	0.015-0.040



Manufacturers of PTP K-Series Copper Tubes  
Made out of copper cathode & red berry copper



# Parasmani Tubes Pvt. Ltd.



Mfgs. of: AIRCONDITION & REFRIGERATION COPPER TUBES & FITTINGS

## Comparison with Other Suppliers.

		<b>Parasmani Tubes Pvt Ltd.</b>	<b>Other Suppliers</b>
1	<b>Rate :</b>	As we are manufacturers of only air-conditioning copper tubes, comparatively we provide lower rate than other suppliers.	Mostly other suppliers are dealers who carry on business with all non-ferrous metal which results in higher rate as compared to us.
2	<b>Prompt Delivery :</b>	<p>We are keeping ready stocks of all materials at all our godown throughout India. <b>We despatch the materials on the same day we received the order</b></p> <p>For outstation deliveries we immediately despatch the material as we are holding ready stock of all materials. We are having establish network with transporters who <b>deliver the material within 3 days of the despatch anywhere in India</b></p>	<p>They do not hold any ready stock and take generally 7 to 8 days delivery time.</p> <p>They generally take at least 10 to 15 days to deliver material outside Mumbai.</p>
3	<b>Payment :</b>	We give generally 30 days credit for payment. We do not insist upon PDC cheques. In some critical time, we do not stick on exact 30 days payment credit. <b>This you can learn from the market to whom we supply the material.</b>	They generally allow 10 days strictly credit for payments. They also demand PDC cheques at time of order. They also stop further delivery if payment is delayed under some in advertant circumstance.

# *Parasmani Tubes Pvt. Ltd.*



Mfgs. of: AIRCONDITION & REFRIGERATION COPPER TUBES & FITTINGS

4	<b>Credit Limit :</b>	We do not put any ceiling limit for supply of material within prescribed limit. We do not stop any supply on the ground of being credit limit exceeds. This will facilitate continues supply of material under any circumstance.	They are putting monetary ceiling limit for supply of material and in case of exceeding such limit, stop the supply without assigning any reason therefore or under any situation where big supply is obvious. This may affect implementation of your projects.
5	<b>All Under One Roof :</b>	We are supplying and keeping all type of materials stock on hand ready at all times. We have experienced in dealing with all types of Airconditioning materials. This can substantially reduce delivery time, material management and delivery cost.	They are supplying only copper Tubes. For other materials your dealer have to hunt for other suppliers each ultimately results into delay of delivery synchronisation of time & material management and cost of material as well.

# Parasmani Tubes Pvt. Ltd.



Mfgs. of: AIRCONDITION & REFRIGERATION COPPER TUBES & FITTINGS

PTP K -SERIES		QUALITY ASSURANCE PLAN				QAP 01 ( 00 / 01.02.12 )	
<b>Product : Seamless Tubes</b>							
<b>Name of Customer</b>					<b>Date</b>		
<b>Alloy</b>		DHP Copper, UNS No. C1220			<b>Specification</b>		JIS H3300 (2006)
<b>Temper</b>		T-1/2HARD DRAWN			<b>P.O. No.</b>		
<b>Issuer</b>					<b>Sign</b>		
<b>Sizes</b>		1) 6.35MM OD X 0.8MMTHK. X 10 FT 2) 9.52MM OD X 0.8MMTHK. X 10 FT					
<b>Sizes</b>		3)12.7MM OD X 0.8MMTHK. X 10 FT 4) 15.88MM OD X 1.0MMTHK. X 10 FT					
<b>Sizes</b>		5)19.05MM OD X 1.0MMTHK. X 10 FT 6) 22.22MM OD x 1.0mm Thk X 10FT					
<b>Sizes</b>		7) 25.4MM OD x 1.0mm Thk X 10FT 8) 28.6MM OD x 1.0mm Thk X 10FT					
<b>Sizes</b>		9) 31.8MM OD x 1.1mm Thk X 10FT 10)34.9MM OD x 1.21mm Thk X 10FT					
<b>Sizes</b>		11) 38.1MM OD x 1.32mm Thk X 10FT12) 43.3MM OD x 1.43mm Thk X 10FT					
Sr. No.	Process	Characteristics to be Checked	Measuring Instrument	Quantum to be checked	Format of Record	Scope of TPIA	
1	(RAW MATERIAL) Shell Inspection	Chemical Comp.	Test Report	Random Sampling	Log Book		
		Dimensions	Micro Meter	Random Sampling	Log Book		
		Appearance	Visual	100%	Log Book		
2	Drawing	Dimensions	Micro meter	Random Sampling	Log Book		
		Surface	Visual	100%	-		
3	Eddy Current Test(E-243)	Surface & Internal Defects	Eddy Current Testing Machine	100%	Log Book		
4	Hydro test	Pressure Test & Leakage	Hydro test Machine	100%	Log Book		
5	Dimensional Check	Outer Diameter, Wall Thickness, Straightness & Length	Micrometer & Measuring Tape	100%	Log Book		
				100%	Log Book		
		Cleaning	Visual	100%			
6	Visual Inspection	Surface OA & ID	Visual	100%	Log Book		
7	Mechanical Properties Test	Tensile Test Yield Strength	UTM	Random Sampling	Log Book		
		Hardness	Hardness Tester	Random Sampling	Log Book		
8	Packing	Marking & Packing	As per customer Requirement	100%	Packing List		

Legends : RW - Review, W – Witness

REGD. OFFICE & FACT. : 5/2, G. I. D. C. UMBERGAON - 396 171. TEL.: 0260 – 3242708  
MUMBAI OFF.: 2A, D. S. KAPOLE NIWAS, KHETWADI, 4TH LANE, MUMBAI- 400 004. TEL . :022 – 32602795 / 66337296  
FAX:022 – 66362795 \* Email : parasmani\_tubes@yahoo.com

# Parasmani Tubes Pvt. Ltd.



Mfgs. of: AIRCONDITION & REFRIGERATION COPPER TUBES & FITTINGS

PTP K - SERIES		QUALITY ASSURANCE PLAN			QAP 01 ( 00 / 01.02.12 )	
Product : COPPER Seamless Tubes						
Name of Customer				Date		
Alloy		DHP Copper, UNS No. C1220		Specification		JIS H3300 (2006)
Temper		Annealed (O60) Condition ( Bright)		P.O. No.		
Issuer				Sign		
Size		6.35MM OD X 0.8MMTHK. X 50 FT Coil				
Size		9.52MM OD X 0.8MMTHK. X 50 FT Coil				
Size		12.7MM OD X 0.8MMTHK. X 50 FT Coil				
Size		15.88MM OD X 1.0MMTHK. X 50 FT Coil				
Size		19.05MM OD X 1.0MMTHK. X 50 FT Coil				
Sr. No.	Process	Characteristics to be Checked	Measuring Instrument	Quantum to be checked	Format of Record	Scope of TPIA
1	(RAW MATERIALS) Shell Inspection	Chemical Comp.	Test Report	Random Sampling	Log Book	
		Dimensions	Micro Meter	Random Sampling	Log Book	
		Appearance	Visual	100%	Log Book	
2	Drawing	Dimensions	Micro meter	Random Sampling	Log Book	
		Surface	Visual	100%	-	
3	Eddy Current Test(E-243)	Surface & Internal Defects	Eddy Current Testing Machine	100%	Log Book	
4	Coiling	Length	Measuring Tape	100%	Log Book	
5	Pre-Inspection	Dimension & Length	Micrometer	100%	Log Book	
			Measuring Tape	100%	Log Book	
		Surface	Visual	100%	Log Book	
6	Annealing	Temperature	Thermo Couple	Lot Wise	Log Book	
		Speed	Speed Controller	Lot Wise	Log Book	
7	Dimensional Check	Outer Diameter, Wall Thickness, Straightness & Length	Micrometer & Measuring Tape	100%	Log Book	
				100%	Log Book	
8	Visual Inspection	Surface	Visual	100%	Log Book	
9	Chemical Analysis of Final Product	Chemical Comp.	Spectro Analyzer	Random Sampling	Log Book	
10	Mechanical Properties Test	Microscopic examination at 75X	Micro Scope	Random Sampling	Log Book	
		Expansion Test	UTM	Random Sampling	Log Book	
		Tensile Test Yield Strength	UTM	Random Sampling	Log Book	
		Hardness	Hardness Tester	Random Sampling	Log Book	
11	Packing	Marking & Packing	As per customer Requirement	100%	Packing List	

Legends : RW - Review, W – Witness

REGD. OFFICE & FACT. : 5/2, G. I. D. C. UMBERGAON - 396 171. TEL.: 0260 – 3242708  
MUMBAI OFF.: 2A, D. S. KAPOLE NIWAS, KHETWADI, 4TH LANE, MUMBAI- 400 004. TEL . :022 – 32602795 / 66337296  
FAX:022 – 66362795 \* Email : parasmani\_tubes@yahoo.com

# Parasmani Tubes Pvt. Ltd.



Mfgs. of: AIRCONDITION & REFRIGERATION COPPER TUBES & FITTINGS

## MILL TEST CERTIFICATE

Customer :	T.C No .	12532	Date					
	Inv .No		Date					
	P.O No							
	P.O Date							
Material :	Copper Tube (Seamless) PTP K -SERIES			Size :	5/8" OD X 1.0mmThk. X 10FT			
Specification :	JIS-H3300-C-1220T-1/2Hard			Qty :				
<b>Chemical Report :</b>								
Elem %	Cu	P	Pb	Sn	As	Fe	Zn	
Specified	99.90 Min	0.015- 0.040	NIL	NIL	NIL	NIL	NIL	
Observed	99.921	0.028	NIL	NIL	NIL	NIL	NIL	
Observed	99.919	0.031	NIL	NIL	NIL	NIL	NIL	
Observed	99.922	0.028	NIL	NIL	NIL	NIL	NIL	
<b>Dimensional Report :</b>								
	OD		ID		W.T		LENGTH	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
REQUIRED	15.80mm	15.96mm	-	-	0.85mm	1.15mm	15240mm	15300mm
OBSERVED	15.85mm	15.88mm	-	-	0.97mm	1.01mm	OK	-
<b>Mechanical Properties / Other tests</b>								
Parameter				Specified		Observed		
U.T.S N/mm <sup>2</sup>				245 to 325		289	#	
Y.S at 0.5 % El. N/mm <sup>2</sup>				N.A.		----	----	
% Elong at 5.56* sq. Rt .A				N.A.		----	----	
Hardness Rockwall 30T				30 to 60		52	51	
Flaring Test ( 60* pin )				N.A.		----	----	
Flattening Test				N.A.		----	----	
Eddy Current test as per ASTM-E243 (Drill hole 0.6mm)				100% Req'd.		100% Satisfactory		
Grain Size 75x				N.A.		----	----	
For PARASMANI TUBES PVT. LTD.								
Q.C .Incharge								

# Parasmani Tubes Pvt. Ltd.



Mfgs. of: AIRCONDITION & REFRIGERATION COPPER TUBES & FITTINGS

## MILL TEST CERTIFICATE

<b>Customer :</b>		<b>T.C No.</b>	<b>12532</b>	<b>Date</b>				
		<b>Inv .No</b>		<b>Date</b>				
		<b>P.O No</b>						
		<b>P.O Date</b>						
<b>Material :</b>	<b>Copper Tube (Seamless) PTP K - SERIES</b>		<b>Size :</b>	<b>5/8" OD X 1.0mmThk.X 50 FT</b>				
<b>Specification :</b>	<b>JIS-H3300-C-1220T- O Annealed</b>		<b>Qty :</b>					
<b>Chemical Report :</b>								
<b>Elem %</b>	<b>Cu</b>	<b>Sn</b>	<b>Pb</b>	<b>P</b>	<b>As</b>	<b>Fe</b>	<b>Zn</b>	
<b>Specified</b>	<b>99.90 Min</b>	<b>NIL</b>	<b>NIL</b>	<b>0.015- 0.040</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	
<b>Observed</b>	<b>99.921</b>	<b>NIL</b>	<b>NIL</b>	<b>0.028</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	
<b>Observed</b>	<b>99.919</b>	<b>NIL</b>	<b>NIL</b>	<b>0.031</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	
<b>Observed</b>	<b>99.922</b>	<b>NIL</b>	<b>NIL</b>	<b>0.028</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	
<b>Dimensional Report :</b>								
	<b>OD</b>		<b>ID</b>		<b>W.T</b>		<b>LENGTH</b>	
	<b>MIN</b>	<b>MAX</b>	<b>MIN</b>	<b>MAX</b>	<b>MIN</b>	<b>MAX</b>	<b>MIN</b>	<b>MAX</b>
<b>REQUIRED</b>	<b>15.80mm</b>	<b>15.96mm</b>	<b>-</b>	<b>-</b>	<b>0.85mm</b>	<b>1.15mm</b>	<b>15240mm</b>	<b>15300mm</b>
<b>OBSERVED</b>	<b>15.85mm</b>	<b>15.88mm</b>	<b>-</b>	<b>-</b>	<b>0.97mm</b>	<b>1.01mm</b>	<b>OK</b>	<b>-</b>
<b>Mechanical Properties / Other tests</b>								
<b>Parameter</b>			<b>Specified</b>		<b>Observed</b>			
<b>U.T.S N/mm<sup>2</sup></b>			<b>205 Min</b>		<b>239</b>	<b>243</b>		
<b>Y.S at 0.5 % El. N/mm<sup>2</sup></b>			<b>----</b>		<b>----</b>	<b>----</b>		
<b>% Elong at 5.56* sq . Rt .A</b>			<b>40 Min</b>		<b>47</b>	<b>48</b>		
<b>Hardness Rockwall 15T</b>			<b>60 Max</b>		<b>47</b>	<b>49</b>		
<b>Flaring Test ( 60* pin )</b>			<b>40% Required</b>		<b>Passes</b>	<b>Passes</b>		
<b>Flattening Test</b>			<b>3T Required</b>		<b>Passes</b>	<b>Passes</b>		
<b>Eddy Current test as per ASTM-E243 (Drill hole 0.6mm)</b>			<b>100% Reqd.</b>		<b>100% Satisfactory</b>			
<b>Grain Size 75x</b>			<b>0.040 Max</b>		<b>0.035</b>			
<b>For PARASMANI TUBES PVT. LTD.</b>								
<b>Q.C .Incharge</b>								

**TRUST - COMPETENCE - RELIABILITY**

Chairman - Emeritus  
VIRENDRA K. BAFNA  
B. E. M. Eng. (Canada)  
M.S.I.M. (U.S.A.) M. A. S. T. M.

Regd : Office & Laboratory  
35, Pragati Industrial Estate,  
N.M. Joshi Marg, Mumbai - 400 011.  
Tel.: 23097921, 23097923,  
23092347, 23091938  
Fax: 91-22-23080197  
Website : www.tcreng.com

Laboratory:  
Plot No. EL - 182, M.I.D.C., TTC,  
Electronic Zone, Mahape,  
Navi Mumbai - 400 710.  
Ph.: 022-67380900 / 9022137295  
Fax: 2761 2044  
Email : sales@tcreng.com



Certificate No. NABL-T-367,  
NABL-T-368 & NABL-T-3304  
NABL ISO 17025  
ACCREDITED LABORATORY

TCR / QF 5101

**TEST CERTIFICATE**

TEST CERTIFICATE No:	BG/7191	Dated : 07.05.2016	Page No. 01 of 01
ISSUED TO:	PARASMANI TUBES PVT. LTD... Mumbai - 400 004.		
TEST DATE:	07.05.2016		
TEST LOCATION:	TCR Engg. Services Pvt. Ltd., Mahape, Navi Mumbai.		
PARTY'S REFERENCE:	Lt. Dt. 01.05.2016		
TEST METHOD :	With Reference to IEC - 62321/Ed 1.0/2008-12		
TEST INSTRUMENT:	PORTABLE XRF SPECTROMETER, MODEL INNOV - X Mfg By INNOV-X SYSTEMS EUROPE B V		
TEST PURPOSE:	TO SCREEN FOR R.O.H.S. DIRECTIVE 2011/65/EU REQUIREMENTS		

requirement	Hg	Br	Pb	Cr	Cd
Polymer Materials	$P \leq (700-3\delta) < X < (1300+3\delta) \geq F$	$P \leq (300-3\delta) < X$	$P \leq (700-3\delta) < X < (1300+3\delta) \geq F$	$P \leq (700-3\delta) < X$	$P \leq (70-3\delta) < (130+3\delta) \geq F$
Metallic Materials	$P \leq (700-3\delta) < X < (1300+3\delta) \geq F$	---	$P \leq (700-3\delta) < X < (1300+3\delta) \geq F$	$P \leq (700-3\delta) < X$	$P \leq (70-3\delta) < (130+3\delta) \geq F$
Electronics	$P \leq (500-3\delta) < X < (1500+3\delta) \geq F$	$P \leq (250-3\delta) < X$	$P \leq (500-3\delta) < X < (1500+3\delta) \geq F$	$P \leq (500-3\delta) < X$	$LOD < X < (250+3\delta) \geq F$

**TEST FINDINGS**

Specified Elements	Hg	Br	Pb	CrVI	Cd	REMARK
Item Description	← TEST REQUIREMENTS ----- Mg/Kg - (PPM) ----->					
	Max 1000	Max 1000	Max 1000	Max 1000	Max 100	
1 Copper Tube 15.88mm x 0.8mm Thk x 260mm Long	ND	ND	ND	ND	ND	Satisfactory

Remark: All Materials mentioned above are ROHS compliance in accordance with ROHS directive 2011/65/EU & It's subsequent amendments directives.

P = Pass    F = Fail    INC. = Inconclusive    ND = Not Detected

CHECKED BY  
*[Signature]*  
Checked By

Pm/-

For TCR ENGINEERING SERVICES PVT. LTD.

Authorized Signatory

*[Signature]*

A. P. INAMDAR (MGR. INT)

- The results relate only to the sample tested.
- Test Certificate shall not be re - produced except in full without the written approval of laboratory.
- While 'TCR' has made their best endeavors to provide accurate and reliable information, 'TCR' is not responsible for any financial liability due to any act of omission or error made.
- NABL Cert No. T - 0367 - Chemical Testing, T - 0368 - Mechanical Testing, T-3304 - Non Destructive Testing.



**TRUST - COMPETENCE - RELIABILITY**

Chairman - Emeritus  
VIRENDRA K. BAFNA  
B. E. M. Eng. (Canada)  
M.S.I.M. (U.S.A.) M. A. S. T. M.

TCR / QF 5101

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Certificate No. NABL-T-367,  
NABL-T-368 & NABL-T-3304  
NABL ISO 17025  
ACCREDITED LABORATORY

**TEST CERTIFICATE**

Page 1 of 1

T.C. No. BG7192

Date: 10-05-2016

Issued To. **PARASMANI TUBES PVT.LTD**  
2A,D.S Kapole Nivas Khetwadi 4th Lane Mumbai-400 004

Party Ref.	: Nil Dt:01-05-2016	Condition of Sample	: Cut Length
Nature of Sample	: Copper Tube		
Specification	: ---	Sample Received on	: 06-05-2016
Sample Drawn By: Party		Date of Completion	: 10-05-2016

Test : Salt Spray  
Size : 9.52 mm x 0.8 mm  
Thk x 260 mm Long

**Result**
**Requirement**

**SALT SPRAY TEST :** Test Method : ASTM B111-2011

Test Solution	5% Nacl
Test Temp. °C	35°
Volume of Salt Solution Collected	24ml(in 16 hrs)
PH of the Solution	6.80
Specific Gravity (Solution Concentration)	1.030
Tested exposure Time (Hrs)	24
Observation Interval (Hrs)	24
Test started on	07/05/16 at 12.00 pm
Test completed on	08/05/16 at 12.00 pm
Observation :	No corrosion Observed After 24hrs.

\*\*\*\*\*END OF REPORT\*\*\*\*\*

ak/-



Checked By

h

Authorised Signatory

S. S. SHANBHAG (T.M.)

- 1) The results relate only to the sample tested.
- 2) Test Certificate shall not be re - produced except in full without the written approval of laboratory.
- 3) While 'TCR' has made their best endeavors to provide accurate and reliable information, 'TCR' is not responsible for any financial liability due to any act of omission or error made.
- 4) NABL Cert No. T - 0367 - Chemical Testing, T - 0368 - Mechanical Testing, T-3304 - Non Destructive Testing.



## MAXIMUM WORKING & BURSTING PRESSURE FOR PARASMANI COPPER PIPES

### SPECIFIC REQUIREMENT FOR VRF/VRV INSTALLATIONS – HALF HARD

Sr. No.	Size (mm)	Size (Inches)	Temper	Thick (mm)	Length feet	Weight per Feet	Weight per Mtr	Max working Pressure in Mpa	Bursting Pressure in Mpa
1	6.4	1/4"	1/2H	0.8	10	0.040	0.131	45.6	83.3
2	9.5	3/8"	1/2H	0.8	10	0.062	0.203	27.7	50.6
3	12.7	1/2"	1/2H	0.8	10	0.082	0.270	19.7	36.0
4	15.9	5/8"	1/2H	1.0	10	0.129	0.423	19.7	36.0
5	19.1	3/4"	1/2H	1.0	10	0.156	0.511	17.5	32.9
6	22.2	7/8"	1/2H	1.0	10	0.183	0.601	15.6	28.4
7	25.4	1"	1/2H	1.0	10	0.211	0.691	12.2	24.6
8	28.6	1 1/8"	1/2H	1.0	10	0.238	0.786	10.3	18.8
9	31.8	1 1/4"	1/2H	1.1	10	0.289	0.948	10.2	18.6
10	34.9	1 3/8"	1/2H	1.21	10	0.349	1.147	10.2	18.6
11	38.1	1 1/2"	1/2H	1.32	10	0.416	1.365	10.2	18.6
12	41.3	1 5/8"	1/2H	1.43	10	0.488	1.601	10.2	18.6

### SPECIFIC REQUIREMENT FOR VRF/VRV INSTALLATIONS – SOFT COIL FORM

Sr. No.	Size (mm)	Size (Inches)	Temper	Thick (mm)	Length feet	Weight per Feet	Internal Radius	Max working Pressure in Mpa	Bursting Pressure in Mpa
1	6.4	1/4"	O (coil)	0.8	50	1.960	2.4	13.8	68.3
2	9.5	3/8"	O (coil)	0.8	50	3.100	3.95	8.4	41.5
3	12.7	1/2"	O (coil)	0.8	50	4.100	5.55	6.0	29.5
4	15.9	5/8"	O (coil)	1.0	50	6.460	6.95	5.9	29.5
5	19.1	3/4"	O (coil)	1.0	50	7.900	8.55	4.8	24.0

### LIGHT WEIGHT NON-VRV INSTALLATIONS – SOFT COIL FORM

Sr. No.	Size (mm)	Size (Inches)	Temper	Thick (mm)	Length feet	Weight per Feet	Internal Radius	Max working Pressure in Mpa	Bursting Pressure in Mpa
1	6.4	1/4"	23 G	0.60	50	1.500	2.6	9.5	47.3
2	9.5	3/8"	23 G	0.60	50	2.500	4.15	6.0	29.6
3	12.7	1/2"	22 G	0.70	50	3.500	5.65	5.1	25.4
4	15.9	5/8"	22 G	0.70	50	4.500	7.25	4.0	19.8
5	19.1	3/4"	21 G	0.80	50	6.400	8.75	3.8	18.7

Note : 1 Mpa = 145.038 PSI

# Certificate of Registration

This is to Certify that  
Quality Management System of

**M/S. PARASMANI TUBES PVT. LTD.**

2A, D.S. KAPOLE NIWAS BUILDING, 4TH KHETWADI LANE,  
MUMBAI – 400004, MAHARASHTRA, INDIA.

has been assessed and found to conform to the requirements of

**ISO 9001:2008**

for the following scope :

MANUFACTURING AND SUPPLIERS OF AIRCONDITIONING COPPER  
TUBES, FITTINGS AND INSULATION MATERIALS.

<b>Certification No</b>	<b>1015QDL97</b>		
<b>Initial Registration Date</b>	: 26/12/2015	<b>Issuance Date</b>	: 26/12/2015
<b>Date of Expiry*</b>	: 14/09/2018		
<b>1st Surve. Due</b>	: 26/11/2016	<b>2nd Surve. Due</b>	: 26/11/2017

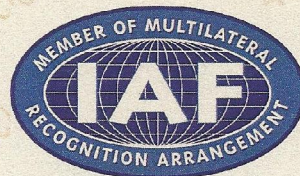
Note : Expiry Date shall be Extended to 25/12/2018 After Successful Transition of ISO 9001:2015



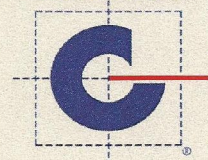
**Director**



M4570910IN



**JAS-ANZ**



[www.jas-anz.org/register](http://www.jas-anz.org/register)

**Absolute Quality Certification Pvt. Ltd.**

Accredited By: Joint Accreditation System of Australia & New Zealand (JAS-ANZ)

401, Ashok Bhawan, 93, Nehru Place, New Delhi - 110 019, | +91. 11. 4105 1139 | e-mail : [info@absolutequalitycertification.com](mailto:info@absolutequalitycertification.com),

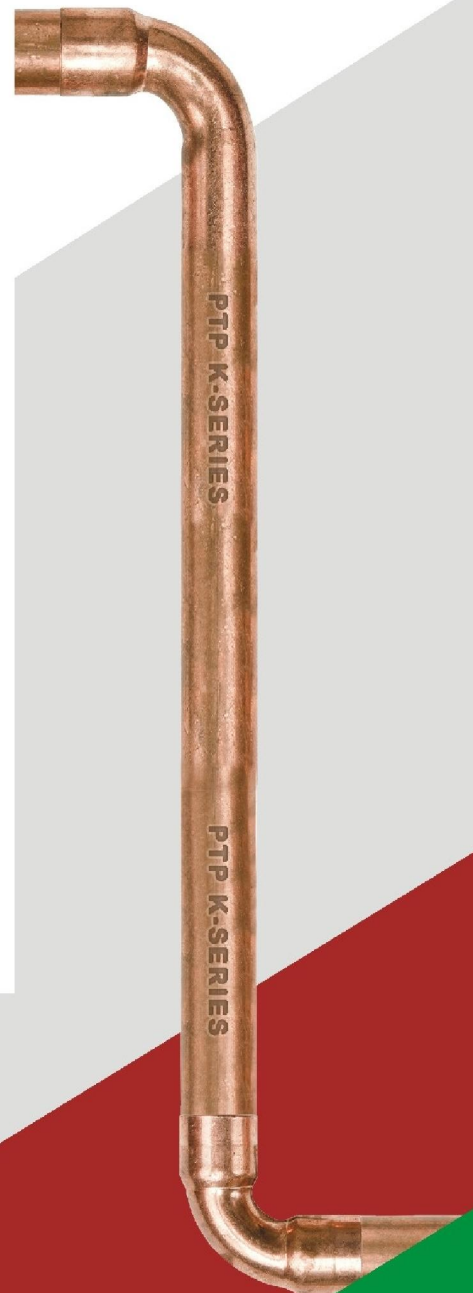
\*Validity of the Certificate is subject to successful completion of surveillance audit on or before of due date. (in case surveillance audit is not allowed to be conducted, this certificate shall be suspended/withdrawal).

**Certificate Verification:** Please Re-check the validity of certificate at <http://www.absolutequalitycertification.com/activeclients.aspx> or [www.absolutequalitycertification.com](http://www.absolutequalitycertification.com) at Active Clients.

Certificate is the property of Absolute Quality Certification Pvt. Ltd. and shall be returned immediately when demanded

# CERTIFICATIONS

SERIES



# ACE GLOBAL AIRCON SERVICES LTD.

Authorised Sales & Service Dealers of Carrier Airconditioning & Refrigeration Ltd.

4B, - 41/42, 4th Floor, Paragon Plaza, Phoenix Market City, L.B.S. Marg, Kurla (W), Mumbai - 400070  
Tel : 022 - 6180 2094 to 99 | Email : sales@aceglobal.co.in | Web : www.aceglobal.co.in



Date : 15th Jan, 2016

## SUPPLIER PERFORMANCE CERTIFICATE

To,  
M/s. Parasmani Tubes Pvt. Ltd.  
2A, D. S. Kapol Niwas,  
Khetwadi 4<sup>th</sup> Lane,  
Mumbai.

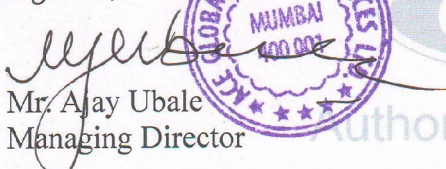
**Kind Attn.:** Mr. Piyush C Vohera

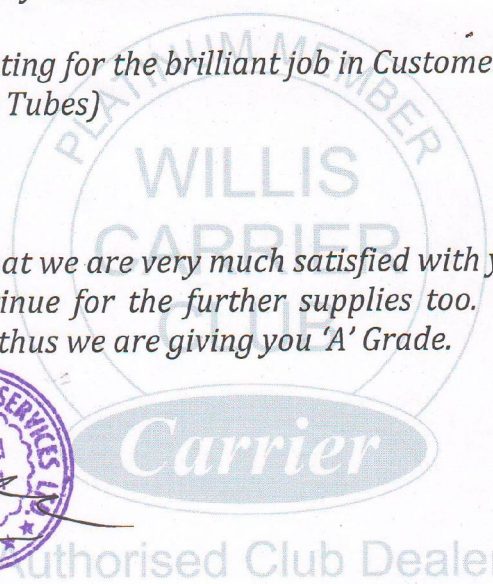
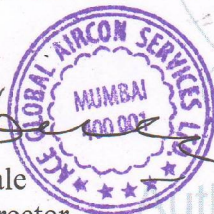
**Sub:** Supplier Rating for the brilliant job in Customer service  
(Parasmani Tubes)

Dear Sir,

This is to inform you that we are very much satisfied with your customer services and want you to continue for the further supplies too. We have no marks in updating your service, thus we are giving you 'A' Grade.

Regards,

  
Mr. Ajay Ubale  
Managing Director



**TOSHIBA**  
Leading Innovation >>>

**Carrier**  
turn to the experts 

**TOTALINE**

**Hyderabad :** Bldg No 96/1, K.P.H.B.Colony, 4th Phase, Kukatpaly, Hyderabad - 500 072 | Cell : +91 81218 87286, +91 86887 89640  
**Panvel :** Shop No 3, Sai Darshan Bldg, Near New Pranth Office, Old Thane Road, Old Panvel - 410 206 | Tel : 022 - 2746 8735

DAIKIN



**HTL AIRCON PVT. LTD.**  
Raising the Standards [www.htlaircon.com](http://www.htlaircon.com)  
An ISO 9001:2008 and CRISIL SE-2B Rated Company



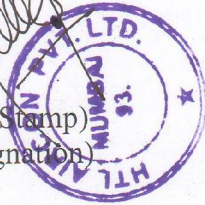
Date : 11/01/2016

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that M/s. Parasmani Tubes Pvt. Ltd. have supplied to our company, PTP K-Series Copper Tubes and Insulation Materials, meeting the requirements of Standard Quality and Timely Delivery.

We have been using these products in our projects since last few years and found their performance satisfactory.

(Signature and Stamp)  
(Name & Designation)



Date :- 15/12/2015

To,  
M/s. Parasmani Tubes Pvt. Ltd.  
2A, D. S. Kapol Niwas,  
Khetwadi 4<sup>th</sup> Lane,  
Mumbai.

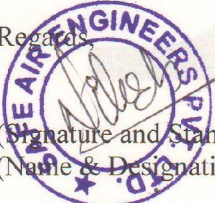
**Kind Attn. Mr. Piyush Vohera / Mr. Savan Vohera**

Dear Sir,  
We are pleased to inform your rating for Q2 14-15 as under:

Sr. No.	Rating Field	Mark Alloted	Mark Obtained
1.	Receipt Rating	20	20
2.	Line Rating	20	20
3.	Field Rating	20	20
4.	Price Rating	10	7
5.	Documentation Rating	10	9
6.	Response Rating	10	8
7.	Delivery Rating	10	8
8.	Total Rating	100	92
9.	Rating Class	A / B / C	A

Looking forward for your enhanced co-operation and improved supplier rating in future.  
Please let us know if any further information and help is needed from us.

Regards,

  
(Signature and Stamp)  
(Name & Designation)

**Authorised Dealer:**

• Air Conditioning Division



**DAIKIN**

• Total Security Solutions



Authorised Dealer

AIRCONDITIONING  
SYSTEMS



**OZONE AIRCONDITIONING & CONSULTANCY**

01<sup>st</sup> December, 2015

**PERFORMANCE CERTIFICATE**

This certificate is being awarded to M/s. Parasmani Tubes Pvt. Ltd. on recognition of their excellence, timely manufacturing, supply and services of Copper and Insulation materials to our various projects at various sites.

They have supplied the material as per specification and standards after due tests carried out at their laboratory in house and outside.

They are very punctual and co-operative. We wish them all the success in future.

O<sub>3</sub> Ozone Airconditioning & Consultancy

  
Partner

2nd Floor, Chandrama Society, Near Aparna Hotel, Talaopali, Naupada, Thane (W) 400 602  
Tel.: 022-2539 0118 / 2542 8309 • Fax : 022-2539 0117 • Website : [www.ozonehvac.com](http://www.ozonehvac.com)  
E-mail : [ozoneairconditioning@gmail.com](mailto:ozoneairconditioning@gmail.com) / [service@ozonehvac.com](mailto:service@ozonehvac.com) / [accounts@ozonehvac.com](mailto:accounts@ozonehvac.com)

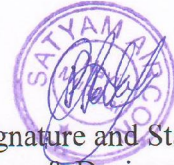


Tuesday, November 24, 2015

## Performance Certificate

This is to certify that the performance of **M/s. Parasmani Tubes**, situated at **2A, D.S. Kapol Niwas, Sanghavi Sadan, 4<sup>th</sup> Khetwadi, Mumbai – 400004**, who are continuously supplying us the products of PTP K-Series Copper Tubes, is generally satisfactory on meeting our expectations of quality, cost and delivery.

This certificate is issued on the base of records available in our office till the date of order.



(Signature and Stamp)  
(Name & Designation)

**CARRIER AIRCONDITIONING &  
REFRIGERATION LTD.**



● Purchase order

Madhukar Impex

Page

26, BLUE ROSE INDUSTRIAL ESTATE,  
DATTA PADA, WESTERN EXPRESS HIGHWAY,  
BORIVALI (EAST), MUMBAI- 400 066.  
Maharashtra

PO number/date  
5500089888 / 22 DEC, 2014  
Contact person/ Ext.  
Snow man - Chennai

1 / 3

Your vendor number with us  
407975

Delivery date: 26.12.2014

**BILLING & DELIVERY ADDRESS:-**

M/s.CARRIER AIRCONDITIONING & REFRIGERATION LTD.  
Schenker India Pvt.Ltd  
Schenker Logistics Center (SLC),  
Killi Road, Near Agarson College,  
Manali Express Highway,  
Madhavaram, Chennai - 600 051  
TIN # 33051522188

Terms of delivery: CIF Costs, Insurance & Freight CARRIER WAREHOUSE

Terms of payment: Direct Credit for 60 days from receipt n acceptance  
Currency INR

Item	Material Description	Price per unit	Order Quantity	Unit	Net value
10	2019626 COPPER PIPE HARD RUN K Type 1/2 Excise Duty nil plus 2% CST against form C	219.35	29	m	6,361.15
20	2019627 COPPER PIPE HARD RUN K Type 5/8 Excise Duty nil plus 2% CST against form C	280.34	192	m	53,825.28
30	2018769 COPPER PIPE HARD RUN K Type 7/8 Excise Duty nil plus 2% CST against form C	524.84	123	m	64,555.32
40	2018768 COPPER PIPE HARD RUN K Type 1-1/8" Excise Duty nil plus 2% CST against form C	686.94	114	m	78,311.16
50	2018767 COPPER PIPE HARD RUN K Type 1-3/8"(35) Excise Duty nil plus 2% CST against form C	848.51	254	m	215,521.54

Registered Office: Narsingpur, Kherki Daula Post, Gurgaon -122 001, Haryana Tel: 0124 2214212  
Excise Reg No: AAACC8414BXM008, Excise Range: XX-Gurgaon, Division: IV-Gurgaon  
Commissionerate: Delhi-III, PAN NO: AAACC8414B, TIN NO: 06061927991.  
Bangalore Tel: 080 41114747

**CARRIER AIRCONDITIONING &  
REFRIGERATION LTD.**



60	2018766	COPPER PIPE HARD RUN K Type 1-5/8" (42)	239 m	
		Excise Duty nil plus 2% CST against form C		
		1,173.27		280,411.53
70	2018765	COPPER PIPE HARD RUN k-type 2 1/8	259 m	
		Excise Duty nil plus 2% CST against form C		
		1,710.00		442,890.00
80	2018764	COPPER PIPE HARD RUN k-type 2 5/8	88 m	
		Excise Duty nil plus 2% CST against form C		
		2,502.00		220,176.00
90	2018763	COPPER PIPE HARD RUN k-type 3-1/8"	101 m	
		Excise Duty nil plus 2% CST against form C		
		3,463.02		349,765.02
100	2018421	COPPER PIPE HARD RUN k-type 3 5/8	103 m	
		Excise Duty nil plus 2% CST against form C		
		4,617.60		475,612.80
110	2018422	COPPER PIPE HARD RUN k-type 4 1/8	28 m	
		Excise Duty nil plus 2% CST against form C		
		5,997.26		167,923.28
120	2023862	SUPPLY OF COPPER FITTINGS	1 EA	
		Excise Duty nil plus 2% CST against form C		
		444,646.92		444,646.92
		FRB1 freight		30,000.00

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Total net value excl. tax INR **28,30,000.00**

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Registered Office: Narsingpur, Kherki Daula Post, Gurgaon -122 001, Haryana Tel: 0124 2214212  
Excise Reg No: AAACC8414BXM008. Excise Range: XX-Gurgaon. Division: IV-Gurgaon  
Commissionerate: Delhi-III, PAN NO: AAACC8414B. TIN NO: 06061927991.  
Bangalore Tel: 080 41114747



# PURCHASE ORDER

Correspondence Address:  
**BLUE STAR LIMITED**  
 Blue Star House, 9-A, Ghatkopar Link Road  
 Sakinaka, Andheri(E)  
 Mumbai Maharashtra 400072 India  
 Tel No: +91 22 66684000  
 Fax No: +91 22 66684005  
 www.bluestarindia.com

Invoice To:  
**BLUE STAR LIMITED**  
 1st floor, 219, South Ambazari Road,  
 Bajaj Nagar,  
 Nagpur, Maharashtra 440010, India  
 Tel No: + 91 712 2249000,  
 Fax No: + 91 712 2231645  
 www.bluestarindia.com

Our Registration Details		ECC TIN 2714000065 V	Dt. 01.04.2006	SERVICE TAX CST	AAACB4487DST040 2714000065 C	Dt: 11.01.2010 Dt: 01.04.2006		
Supplier Address: LP00043-00 Parasmani Tubes Pvt Ltd 2A- D.S.Kapol Niwas Building Sanghavi Sadan Near Alankar Cinema Kethwadi 4TH Lane MUMBAI 400004 Maharashtra India		Order Number: 2000105532 Order Date : 13.02.2014 Purchase Org : F001 Your Reference : As per quote Buyer : Shrikant Rebba Contact Details : shrikantrebba@bluestarindia.com		Terms of Delivery: EXW-Freight extra as agreed Payment Terms: 60 days credit from GRN date  Form 'C' will be issued for all concessional CST purchases, if applicable.				
Delivery Address: Nagpur Agility Wrh, Blue Star Ltd, C/O Agility Log. Pvt Ltd, Land Bearing No.14, Khasra No.67/1, P.H.No.05, Shahu Layout, Mouza#Surabardi, Waddhamana Nagpur 440023 Maharashtra India								
Dear Sir, Please supply the following materials in accordance with terms of delivery, payment and other terms & conditions printed overleaf and/or annexure.								
Sr. No	Material Code Description & Specification	Quantity / UOM	Delivery Schedule	Unit Price (INR)	Discount Per Unit	Other Charges	Excise/ Cess	Sale/ Serv Tax
10	PBCUHDLM19044 1 1/8 IN Hard Drawn Copper Pipe, 19G Contact Person: Mr. Babulal / 09370867431 Indentor: Mr. Rajesh Yadav	330.000 M	15.02.2014#330	492.03		Freight: INR 1,500.00		VAT: 5.00 %
20	PBCUHDLM19020 5/8 IN Hard Drawn Copper Pipe, 19G	330.000 M	15.02.2014#330	265.23		Freight: INR 1,500.00		VAT: 5.00 %
Total Amount in Words: TWO LAKH SIXTY FIVE THOUSAND FIVE HUNDRED FORTY RUPEES SIXTY PAISE						Net Amt(INR)	252,895.80	
						Taxes (INR)	12,644.80	
						Total Value(INR)	265,540.60	

Special Instructions	
<ol style="list-style-type: none"> <li>1 Please send your order acceptance on receipt of this order.</li> <li>2 Please ensure test certificates, acknowledged delivery challan and LR copy are sent with the invoice and O&amp;M manual with the material as applicable.</li> <li>3 Dispatch details to be intimated immediately after dispatch of the goods.</li> <li>4 All documents to be sent to our correspondence address given above.</li> <li>5 Freight mentioned above is indicative, if the Terms of Delivery mentions FREIGHT AT ACTUALS</li> <li>6 The supplier will ensure immediate replacement at site against any defect of material or workmanship which is not as per specification mentioned in the purchase order or annexure.</li> <li>7 Standard warranty applicable-18 months from the date of dispatch or 12 months from the date of commissioning whichever is earlier, unless agreed otherwise in writing.</li> <li>8 Statutory levies in force at the time of dispatch will be applicable.</li> <li>9 All invoices submitted should bear Purchase Order Number.</li> </ol>	<p>For BLUE STAR LIMITED</p> <p><i>Karika</i></p> <p>Authorized Signatory</p>



M/s VOLTAS LIMITED  
EM&RBG  
NEW NO 624, ANNA SALAI,  
TEYNAMPET,  
CHENNAI 600018  
Tamil Nadu

**VOLTAS LIMITED**  
**PURCHASE ORDER**

ISO Format No: F:MKT:ACR:205:005:01  
Purchase Order No: 4500556782  
Purchase Order Date: 19.07.2012  
Issue No : 000

To  
609440-PARASMANI TUBES PVT. LTD  
SANGHAVI SADAN, 4TH KHETWADI LANE  
2A, D.S.KAPOL NIWAS  
MUMBAI-400004  
Contact Name :  
Phone : Fax: Email : piyush@parasmanitubes.com

GO Number: CH/47123 , Client Name: Syntel International Pvt Ltd (PH-III).  
Engineer Name: Mr.K.Thiyagarajan Contact Number: 9790708427  
Zone ; SOUTH.  
Delivery Address:  
SYNTEL INTERNATIONAL PVT LTD.  
PLOT NO.H7 &H8,SIPCOT IT PARK, NAVALLUR POST  
SIRUSERI  
KANCHIPURAM-603103

SL NO	Material No/ Drg no/DrgRev	Material Description	Qty UOM	Net Unit Rate	Net Price	Delivery Date	Delivery Qty.
10	COPPERPIPE		48 Meter	270.05	12,962.40 INR	30.08.12	48
S OF ANC.-HARD CU PIPE-18G-12.05 MM Supply of Pipe HARD DRAWN COPPER PIPE 18 G 12.05MM Sales Tax : CST/LST 2.00 % PURCHASE CST AGAINST C FORM							
20	COPPERPIPE		540 Meter	301.95	163,053.00 INR	30.08.12	540
S OF ANC.-HARD CU PIPE-18G-15.8 MM Supply of Pipe HARD DRAWN COPPER PIPE							

This Purchase Order is electronically generated. Hence does not require authorisation signature.

- Note:- 1. For Manufacturing and Despatch Clearance please refer "TERMS & CONDITIONS SPECIFIC TO THIS PURCHASE ORDER"  
2. Please acknowledge receipt of this order immediately.  
3. Submit Invoice in TRIPLICATE as per site engineers acknowledgement along with SRR/DC copy / Measurement sheet to the above address (addressed to Finance / Commercial Department) indicating this Purchase Order reference.

Sales Tax Registration Number TIN - 33331580816 / 01.01.2007, CST NO-638889 DTD 01.07.57, PAN-AAACV2809D, Service Tax Registration number-AAACV2809DST009  
Subject to Terms and conditions printed below

Registered Office:VOLTAS HOUSE, 'A'Dr Babasaheb Ambedkar Road,Chinchpokli,Mumbai-400033.  
A TATA Enterprise



VOLTAS LIMITED  
PURCHASE ORDER

Pages 2 of 08

ISO Format No: F:MKT:ACR:205:005:01  
Purchase Order No: 4500556782  
Purchase Order Date: 19.07.2012  
Issue No : 000

SL NO	Material No/ Drg no/DrgRev	Material Description	Qty UOM	Net Unit Rate	Net Price	Delivery Date	Delivery Qty.
18 G 15.8 MM Sales Tax : CST/LST 2.00 % PURCHASE CST AGAINST C FORM							
30	COPPERPIPE		30 Meter	361.35	10,840.50 INR	30.08.12	30
S OF ANC.-HARD CU PIPE-18G-19.05 MM Supply of Pipe HARD DRAWN COPPER PIPE 18 G 19.05 MM Sales Tax : CST/LST 2.00 % PURCHASE CST AGAINST C FORM							
40	COPPERPIPE		24 Meter	420.75	10,098.00 INR	30.08.12	24
S OF ANC.-HARD CU PIPE-18G-22.1 MM Supply of Pipe HARD DRAWN COPPER PIPE 18 G 22.1 MM Sales Tax : CST/LST 2.00 % PURCHASE CST AGAINST C FORM							
50	COPPERPIPE		140 Meter	539.55	75,537.00 INR	30.08.12	140
S OF ANC.-HARD CU PIPE-18G-28.6 MM Supply of Pipe							

This Purchase Order is electronically generated. Hence does not require authorisation signature.

Note:- 1. For Manufacturing and Despatch Clearance please refer "TERMS & CONDITIONS SPECIFIC TO THIS PURCHASE ORDER"  
2. Please acknowledge receipt of this order immediately.  
3. Submit Invoice in TRIPLICATE as per site engineers acknowledgement along with SRR/DC copy / Measurement sheet to the above address (addressed to Finance / Commercial Department) indicating this Purchase Order reference.

Sales Tax Registration Number TIN - 33331580816 / 01.01.2007, CST NO-638889 DTD 01.07.57, PAN-AAACV2809D, Service Tax Registration number-AAACV2809DST009  
Subject to Terms and conditions printed below

Registered Office: VOLTAS HOUSE, 'A' Dr Babasaheb Ambedkar Road, Chinchpokli, Mumbai-400033.  
A TATA Enterprise



VOLTAS LIMITED  
PURCHASE ORDER

ISO Format No: F:MKT:ACR:205:005:01  
Purchase Order No: 4500556782  
Purchase Order Date: 19.07.2012  
Issue No : 000

SL NO	Material No/ Drg no/DrgRev	Material Description	Qty UOM	Net Unit Rate	Net Price	Delivery Date	Delivery Qty.
HARD DRAWN COPPER PIPE 18 G 28.6 MM Sales Tax : CST/LST 2.00 % PURCHASE CST AGAINST C FORM							
60	COPPERPIPE		45 Meter	658.35	29,625.75 INR	30.08.12	45
S OF ANC.-HARD CU PIPE~18G~34.9 MM Supply of Pipe HARD DRAWN COPPER PIPE 18 G 38.1 MM Sales Tax : CST/LST 2.00 % PURCHASE CST AGAINST C FORM							
70	COPPERPIPE		460 Meter	183.15	84,249.00 INR	30.08.12	460
S OF ANC.-HARD CU PIPE~18G~9.5 MM Supply of Pipe HARD DRAWN COPPER PIPE 18 G 9.5 MM Sales Tax : CST/LST 2.00 % PURCHASE CST AGAINST C FORM							
Total Without Charges :					386,365.65		
Total With Charges :					394,092.97		

This Purchase Order is electronically generated. Hence does not require authorisation signature.

- Note:-
1. For Manufacturing and Despatch Clearance please refer "TERMS & CONDITIONS SPECIFIC TO THIS PURCHASE ORDER"
  2. Please acknowledge receipt of this order immediately.
  3. Submit Invoice in TRIPLICATE as per site engineers acknowledgement along with SRR/DC copy / Measurement sheet to the above address (addressed to Finance / Commercial Department) indicating this Purchase Order reference.

Sales Tax Registration Number TIN - 33331580816 / 01.01.2007, CST NO-638889 DTD 01.07.57, PAN-AAACV2809D, Service Tax Registration number-AAACV2809DST009  
Subject to Terms and conditions printed below

Registered Office: VOLTAS HOUSE, 'A' Dr Babasaheb Ambedkar Road, Chinchpokli, Mumbai-400033.  
A TATA Enterprise



**Larsen & Toubro Limited**  
 Pankaj Building, Opp GEB Substation  
 N.H No 8, Channi  
 Vadodara 391740 Gujarat INDIA  
 Telephone : 0265-2451600 Fax :

**PURCHASE ORDER**

**PO NO. : EPC/E02/21000-26448/DM**  
 PO Date : 10.03.2014  
 Contact Person : Dhaval Mevada  
 Contact Telephone : 0265-2454839  
 Contact Email : DHAVAL.MEVADA@LNTPOWER.COM

**T<sub>0</sub>**  
**VENDOR CODE: 07ZZ2902039**  
 Paramani Tubes Pvt. Ltd.  
 2a, D S Kapole Nivas, Khetwadi 4th Lane  
 Mumbai 400004  
 Maharashtra INDIA  
 ATTN: Mr. Piyush C Vohra  
 Telephone: 9820753181 Telefax:  
 Email Id : piyush@paramanitubes.com

**YOUR REFERENCE:**  
 QTN/15.02.14  
**OUR REFERENCE:**  
 LO/18.02.14

**PRICING & TAXATION:**  
 Please refer details in Annexure I.  
**PAYMENT TERMS:**  
 Please refer details in Annexure II.

Please arrange to provide the goods / services described below strictly as per terms and conditions mentioned in this Purchase Order and its enclosures

**GENERAL DESCRIPTION**

Supply of Copper Piping, Elbow and Insulation for HVAC Package at our project site 2x600 MW SSTPP.

Remark: Total order cost shall be debited to S&W.

CURRENCY	TOTAL VALUE (PRICE)
INR	99,203.00
	Rupees - Ninety Nine Thousand Two Hundred Three only.

Incoterns :  
 Shipment/Delivery Basis:

Please refer to our general conditions and specific conditions of purchase already forwarded/attached.

**DESPATCH DETAILS:** Materials to be dispatched only after receiving Dispatch Clearance from Larsen & Toubro Limited  
**TIN NO.(LST) :** 23654000082

**ECC No. :**

**DOCUMENTATION :** Kindly send us Commercial Invoice (One Original + Two Duplicate, duly signed), three copies of Delivery Challan, Excise Invoice & LR immediately after dispatch of the consignment. Set of documents should also contain TCS / MITCs & Inspection reports.

**BILLING:** Bills submitted against this Purchase Order must contain Purchase Order No. & Date, Purchase Order Item No. and Vendor code.

**Inspection Charges will be borne By :** Transporter Arranged By :  
**Testing Charges will be borne By :** Freight Charges will be borne By :

**PROJECT :** 2X600 MW Shree Singaji TPP

**Registered Office :** L&T House, Ballard Estate, Mumbai : 400 001, INDIA

*Handwritten signature and date: 10/3/2014*

**Bank Charges if any :**  
**Insurance Charges will be borne By :**  
 For Larsen & Toubro Limited  
 Hirdendra Poonswala  
 Project Director - Malwa

Please return this Acceptance Memo (ACTO) within SEVEN days to the Contact Person indicated ABOVE. Non-Receipt will mean that the PO along with all terms and conditions would be deemed to have been accepted.

Please Cut Here  
 To Larsen & Toubro Limited  
 We acknowledge receipt of your purchase order No. Larsen & Toubro Limited/21000-26448/DM dated  
 Name: \_\_\_\_\_  
 We Agree to Supply the goods as per the terms & conditions of this Purchase Order and its enclosures which have been read and understood by us.  
 Address: \_\_\_\_\_

Rubber stamp and Signature of Sellers  
 Date

01/3/14





**Larsen & Toubro Limited**  
 Pankaj Building, Opp GEB substation  
 NH No 8, Channi  
 Vadodara 391740 Gujarat INDIA  
 Telephone : 0265-2451600 Fax :

**PURCHASE ORDER**

PO NO.: EPC/E02/21000-26448/ DM  
 ANNEXURE - I  
 Page No: 1 of 2

Item No	Material/ Service Code	Material / Service Description	Total PO Quantity	Unit	Rate / Unit (INR)	Item Total Value (INR)	Scheduled Quantity	Delivery Date
1	A2HPPIPE5BY8INCH	HVAC Package PIPE5BY8INCH	150,000	m	236.84	35,526.00	150,000	28.02.2014
		Copper pipes 5/8" . 20 gauge				36236.52		
		Additional Cost (Common - All Pkgs)						
		Tax: A/P -NIL ED+CST (2% against C form)						
2	A2HPPIPE7BY8INCH	HVAC Package PIPE7BY8INCH	150,000	m	337.28	50,592.00	150,000	28.02.2014
		Copper pipes 7/8" . 20 gauge				51603.84		
		Additional Cost (Common - All Pkgs)						
		Tax: A/P -NIL ED+CST (2% against C form)						
3	TXXLBOW	Static Equip Other ELBOW	70,000	Numbers	20.00	1,400.00	70,000	28.02.2014
		Elbow copper 5/8"				1428.00		
		Additional Cost (Common - All Pkgs)						
		Tax: A/P -NIL ED+CST (2% against C form)						
4	TXXLBOW	Static Equip Other ELBOW	70,000	Numbers	32.00	2,240.00	70,000	28.02.2014
		Elbow copper 7/8"				2294.80		
		Additional Cost (Common - All Pkgs)						
		Tax: A/P -NIL ED+CST (2% against C form)						
5	A2HCOPPERINSULATTN	HVAC Package COPPERINSULATTN	150,000	m	50.00	7,500.00	150,000	28.02.2014
		Copper insulation 7/8"-9 mm thk.				7650.00		
		Additional Cost (Common - All Pkgs)						
		Tax: A/P -NIL ED+CST (2% against C form)						
		<b>Subtotal(Inc.Tax):</b>				<b>7650.00</b>		

Carbons

D.C. 12 03 2014 15:28:02

Our Reference: 101/18.02.14

1-39  
 13/03/14



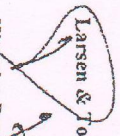
Larsen & Toubro Limited  
 Pankaj Building, Opp GEB substation  
 N.H No 8, Channi  
 Vadodara 391740 Gujarat INDIA  
 Telephone : 0265-2451600 Fax :

**PURCHASE ORDER**

PO NO.: EPC/E02/21000-26448/ DM  
 ANNEXURE - I  
 Page No.2 of 2

Summary:	
Total Gross Price	97258.00
Total AP/PCST NonDeductible	1945.16

Total Value (Rounded off to) : INR 99,203.00  
 Rupees - Ninety Nine Thousand Two Hundred  
 Three only.

  
 Larsen & Toubro Limited  
 Hitendra Pooniwalla  
 Project Director - Malwa

*Kush*  
 13/3/2014

13/3/14

# Parasmani Tubes Pvt. Ltd.



Mfgs. of: AIRCONDITION & REFRIGERATION COPPER TUBES & FITTINGS

## Our Extended Arms

- Umbergaon
- Mumbai
- Ahmedabad
- Bengaluru
- Jaipur
- Delhi



## Our Clients

**HITACHI**  
Inspire the Next



**Carrier**



**BLUE STAR**



**STERLING & WILSON**



**METRO**  
Cash & Carry



The stories that our clients tell is the action we do. For us, our clients first – always.

## Contact Us



### PARASMANI TUBES PVT. LTD.

2A, D. S. Kapol Niwas, Sanghvi Sadan, 4th Khetwadi  
Mumbai - 400 004, Maharashtra, India