

Minutes of the Technology and Finance Standing Committee (TFSC) Meeting held on Tuesday, 28th September, 2010 at 3:00 P.M. in the Conference Room of Delhi Management Association (DMA), Core 6A, 1st Floor, India Habitat Centre, Lodhi Road, New Delhi – 110 003.

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List of participants is attached as **Annexure-I**.

The Minutes of the TFSC meeting held on 17th March, 2010 were circulated to all the Members. Since, no comments have been received, the Minutes were adopted.

Dr. A. Duraisamy, Director (O) and Member Secretary, TFSC welcomed the Members and mentioned that Mr. K. Madhava Sarma has resigned due to domestic reasons. He then welcomed the new Chairman, Dr. B. Sengupta, the former Member-Secretary of the Central Pollution Control Board, Ministry of Environment and Forests, Government of India.

Dr. A. Duraisamy then apprised the Committee about the actions taken by the Ozone Cell on recommendations made by the TFSC in its meeting held on 17th March, 2010.

Action Taken: Approval of Chairman, Empowered Steering Committee (ESC) for Implementation of the Montreal Protocol has been taken on file and duty exemption certificates were issued for the following :

1. M/s Sanden Vikas Ltd., Faridabad
2. M/s Pranav Vikas Ltd., Faridabad
3. M/s Bharat Seats Ltd., Gurgaon
4. M/s Metecno (India) Pvt. Ltd., Chennai

Ex-post facto approval of ESC will be taken in its next meeting. The Committee took note of above.

The Committee then considered the following Agenda items:

Agenda Item No. 1: The application of **M/s Metaflex Doors India Pvt. Ltd.**, Noida for duty exemption for import of one high pressure PU foaming machine model "Hydro 100" R, 1:1 from M/s Eko system PU technology, Italy.

M/s Metaflex Doors India Pvt. Ltd., informed vide their letter dated 20.9.2010 that they do not require processing of their application as they have already imported and commissioned the above machine by paying customs duty as the project was urgent.

Agenda Item No. 2: The application of **M/s Frigoglass India Pvt. Ltd.**, for duty exemption for import of cyclopentane blown insulation system consisting of 16 assorted components like Fans, storage tanks, control panels etc. from their associated company M/s Frigoglass Commercial Refrigeration, Greece.

M/s Frigoglass India Pvt. Ltd., a 100% subsidiary of Norcool Holding ASA, Norway manufacture commercial refrigerators (visi coolers) for beverage producers at

Manesar (Haryana). Currently their production capacity is 1,80,000 units of 7 different models of visi coolers.

In their presentation, the representative of the company mentioned that for PU foam insulation in the refrigerator cabinet they are currently using water as the blowing agent which although non-ODS produces foam with poor insulating properties.

To improve the process they propose to change over to **cyclopentane** as the foam blowing agent as it produces better foam with higher insulation properties enabling considerable savings in consumption of materials. As cyclopentane is inflammable, they are taking adequate precautions in its storage and use in the plant. They have an underground storage tank blanketed with nitrogen for which they have taken clearance certificate from the Directorate of Explosives, Nagpur. They will also use nitrogen inertisation during the actual foam blowing operation in the plant.

For this conversion of blowing agent from water to cyclopentane they have **decided to use the same foaming machine which they were using earlier after upgrading it. They require some additional machineries like Polyol and cyclopentane premixers, gas sensors, safety control panels etc. details of which are shown in the Annex. II.** They are procuring these additional machineries from their sister concern M/s Frigoglass Commercial Refrigeration, Greece SAIC. Detailed list of these items is given in Annexure-II.

Table

S. No.	Description of Equipment	Qty/ Unit	P. O No. , Date & Supplier	Price in Euro	Price in INR
1	Cyclopentane Blown Insulation system as per description sheet attached. Annexure-II	1	500000245 Dated 02.04.2010	3,07,900/-	1,90,89,815/-
Total					1,90,89,815/-
Approx Duty @ 7.5%					14,31,736/-

The cost of these imported equipment is Rs. 1.91 Crores and the duty payable on this would be approximately 14 lacs.

The total cost of the project is approximately Rs 4.66 crores and it will be met from internal resources.

The company gave a presentation before the Committee and Members asked many questions which were answered to their satisfaction. However, the Committee observed that their certificate from Directorate of Explosives, Nagpur was provisional. The Committee desired that M/s Frigoglass may submit documents such as proper licence for importation and storage of cyclopentane and diesel from Directorate of Explosives and local Pollution Control Authorities, list of safety systems requirements and steps taken for maintenance of safety devises. The application is recommended for approval subject to submission of above certificates.

Agenda Item No. 3: The application of **M/s Subros Ltd.**, Noida, for duty exemption for import of four pieces of equipment for capacity enhancement and new product development at their plant at Manesar (Haryana).

M/s Subros Ltd., is the largest manufacturer of Car Air Conditioners in India with a capacity of 7,50,000 units per annum having plants at Noida, IMT Manesar (Haryana) and at Pune (Maharashtra). They are original equipment supplier to Maruti Suzuki India Ltd., Tata Motors Ltd., and Mahindra and Mahindra Ltd.

The company is now enhancing their capacity of production at the Manesar plant to meet the demand for enhanced production of cars in the country. For this they are importing four pieces of equipment from Japan and Malaysia details of which may be seen in the Table and have requested for duty exemption.

TABLE

S. No.	Description of eqpt.	Qty	P.O No, Date & Supplier	Total amount In J Yen/USD	Total CIF cost (Rs)
1	Contour Tracing measuring machine	1 Set	7200000 283 Dated 01.02.2010 Fanuc Ltd., Japan	37,50,000/-	19,50,000/-
2	1 CAV Injection Mould for Blower Fan for YP8 SB020012	1 Set	7200000 284 Dated 11.02.2010 Sumitomo Corp., Japan	1,19,97,400/-	62,38,648/-
3	Helium Leak Testing Equipment	1 Set	7200000 290 Dated 25.03.2010 Ixmation (Asia) sdn. Bhd., Malaysia	2,05,000/-	1,02,50,000/-
4	180 Ton JSW all Electric Servo Drive Injection Molding machine	1 Set	7200000 291 Dated 27.03.2010 The Japan Steel Works Ltd., Japan	1,00,00,000/-	52,00,000/-
Total					2,36,38,648/-
Duty payable @ 7.5%					17,72,898/-

The total cost of equipment being imported now is Rs. 2.36 crores and duty payable on it @ 7.5% would be approximately 17.7 lacs.

The equipment being imported are general purpose manufacturing machinery. Duty exemptions for similar machines have been considered many time earlier.

In their presentation, the Company representative mentioned that M/s Subros is aware of the short comings of the current refrigerant R-134a used in the car ACs and in collaboration with M/s DENSO corporation of Japan, is now embarking on

developing car ACs suitable for newer low GWP refrigerants. Machinery being imported now will be used for expansion of capacity to manufacture car ACs suitable for these new alternative refrigerants. The Helium leak detector is needed as the production capacity of heat exchangers is increasing and these will have to be properly tested.

The Committee observed that all the new refrigerants being tried have to be thoroughly tested for their safety aspect specially if there is leakage inside the car. Also their compatibility with lubricating oils must be properly tested. The company should provide all these safety data if it is available.

The Committee recommended the application for approval subject to receiving data on toxic effects of new refrigerants being tried.

Agenda Item No. 4: The application of the **M/s Delphi Automotive Systems Pvt. Ltd.**, Greater Noida (UP) for duty exemption for import of one used Aluminium brazing furnace along with a Thermal degreaser in knocked down condition from USA.

M/s Delphi Automotive Systems Pvt. Ltd., Greater Noida, a subsidiary company of Delphi Corporation, Michigan, USA, specializes as a diversified supplier of automotive components systems and modules. In India Delphi Automotive Systems manufactures Mobile Air Conditioner components like heat exchangers suitable for refrigerant R-134a for car manufacturers like Maruti – Suzuki, GM, TATA Motors etc.

The company is now expanding their capacity of manufacturing heat exchangers suitable for use with R-1234 YF or R-410A refrigerants which have much better environmental properties.

For manufacture of these heat exchangers the company is importing a used aluminium brazing furnace from USA, details of which are given in the table:

Table

S. No.	Description of Equipment	Qty	P. O No. / Date	Price in US\$	Price in INR	
1	Used Aluminium Brazing Furnace consisting of furnace having serial no. SECO WARWICK (F432-89) along with thermal degreaser (TD 12.100.2G) to be supplied in knocked down condition due to transportation as per Annexure III, IV & V.	1	T1010500 Dated 02/06/10	610525/-	25550471/-	
These are covered by purchase orders No. T-1010 500 dated 02.06.2010 in Annexure- III, IV & V.					Total	2,55,50,471/-
					Duty payable @ 7.5%	19.2 lacs

The total cost of equipment being imported is Rs. 2.56 crores and duty on it would be approx. Rs. 19.2 lacs @ 7.5%.

In their presentation to the Committee the company representative mentioned that the heat exchangers are meant mainly for the European Market where high GWP refrigerants like R-134a will be banned soon.

The Committee wanted to know whether these new refrigerants have been cleared from safety aspect and desired that the company should submit the following:

- (i) A letter stating that this kind of furnace used for degreasing is not manufactured in India.
- (ii) The cost of the furnace seems to be high. Has it been examined by Chartered Engineers and supported by letters from them.
- (iii) Comparative toxicity in the car cabins of the currently used refrigerant gas, R-134a and the new low GWP refrigerant R-1234YF.
- (iv) Emission test stack monitoring data of furnace with degreaser.

The Company has submitted these data and information which seemed to be reasonable. The Committee recommended the application for approval.

Agenda Item No. 5: The application of **M/s Subros Ltd., Noida**, for duty exemption for import of five pieces of equipment needed for capacity expansion and new product development at their Noida plant.

This second application of M/s Subros Ltd., is an extension of their first application discussed earlier in agenda item 3. Both were discussed together and covered in their presentation. Details of three pieces of equipment being imported through this application is shown in the Table.

TABLE

S. No.	Description of eqpt.	Qty	P.O No, Date & Supplier	Total amount in (FOB/CIF value)	Total CIF cost (Rs. In lacs)
1	Fanuc Robodrill Alpha – T14iFe with Fanuc Series 31i – A and DDR with option.	3 Sets	7200000 295 Dated 22.05.2010 Fanuc Ltd., Japan	2,20,74,390/-	1,14,78,682/-
2	Semi Auto Brazing equipment	1 Set	7200000 297 Dated 08.06.2010 Logic Corporation Japan	27,50,000/-	14,30,000/-
3	CNC Cylindrical Grinder Model OCD – 2040 with Standard accessories.	1 Set	7200000 298 Dated 24.06.2010 Palmary Machinery Company Ltd.,	7,85,00/-	36,11,000/-
Total					1,65,19,682/-
Duty payable @ 7.5%					12,38,976.15/-

The total cost of these three equipment is Rs 1.65 crores and duty payable on it would be approximately Rs. 12.39 Lacs @ 7.5%.

The Committee recommended the application subject to receiving information mentioned for Agenda Item 3 for the same company.

Agenda Item No. 6: The application of M/s **Industrial Foam Pvt. Ltd.**, for duty exemption for import of one Mixing and metering machine Model Eco Star 40/40 from Germany for processing of Polyurethane Sandwich Panels.

M/s Industrial Foams, established in 1972, is one of oldest companies manufacturing polyurethane foam articles like rigid foam insulation systems and PU foam panels used for prefabricated buildings such as cold storages, Telecom shelters etc. M/s Industrial Foams was one of the first companies to change over to non-ODS foam blowing system HCFC 141b assisted by MLF funds in 1996-97.

They are now expanding their capacity for manufacture of PU foam sandwich panels to cater to increased market demand and importing for this purpose a metering and mixing machine (basically a PU foaming machine) model Eco star 40/40 details of which are given in the table below.

Table

S. No.	Description of Equipment	Qty	P. O No./Date	Price in EURO	Price in INR
1	Mixing and metering machine for processing of polyurethane Model No Kraussmaffeï Eco-Star 40/40	1	RAM 1-MUNICH - 130917/01/03 Dated 25.03.10	46000/-	2842800/-
Total Price in INR					2842800/-
Duty payable @7.5%					213210/-

The total cost of the Eco Star 40/40 machine being imported is Rs 28.43 Lakhs and duty payable on it would be approximately 2.14 Lakhs. The cost of the expansion project is Rs 7.6 Crores and it will be funded by a term loan from the IDBI Bank of India. The company also informed that in line with the current trend they will change over to water as foam blowing agent and will give up the use of HCFC 141b.

The company has submitted proper purchase orders and other supporting documents.

In their presentation to the Committee, the company informed that inline with current trend and Government of India decision to ban the use of HCFCs in future, they will change over to the use of water as foam blowing agent with the machine now being imported.

The Committee desired that the company should submit data on air pollution due to use of water as blowing agent.

The Committee recommended the application for approval subject to receiving data on air pollution in the premises of the factory.

Supplementary Agenda Item No. 1: The application of M/s **Whirlpool of India Ltd.** for duty exemption for import of one PU foam processing machine and cabinet making line from Korea for changing over to Cyclopentane foam blowing agent in their Refrigerator outer cabinet manufacturing plant at Ranjangaon, Pune.

M/s Whirlpool of India Ltd of India Ltd., a subsidiary of Whirlpool Corporation, USA, started manufacturing non-CFC Refrigerators by acquiring Kelvinator of India Ltd. In 1995 at Faridabad. They started a second non-CFC Refrigerator plant at Ranjangaon, Dist. Pune in 1996 with state of are technology.

The Company was using HCFC -141 B for foam insulation, both door and cabinet, in this plant from beginning. Being aware of the Government decision to phase out HCFCs, they started to change over to the use of cyclopentane as the foam blowing agent in a phased manner. They have already changed their Refrigerator door making plant to the use of cyclopentane about one year back and received duty exemption assistance for importing a foaming machine from Italy.

They are now converting their Cabinet P.U. Insulation foaming operation to the use of cyclopentane.

For this they are upgrading a P.U. foaming machine and importing a complete cabinet making line with accessories from Korea. The details of this machine is given in the table.

Machine	P.O. No. and Date	Source	Price (FOB Korea)	Price (Rs. in lacs)	Duty Payable Total (Rs. in lacs)
			USD		
Automatic & Flexible Refrigerator Outer Cabinet Fabrication Line	1201021914 Dt.- 2 nd August, 2010	Hana GnS Co. 645, Gasul-ri, Daesan-myeon, Changwon-si Gyeongsangnam-do, Korea	1780000	827.70	62.08

The cost of the cabinet making line is Rs. 8.28 crores and duty on it would be approximately Rs. 62.1 lacs.

The cost of this conversion project to cyclopentane as the blowing agent would be 13.5 crores and it will be met from internal accruals.

The Capacity of the new cabinet insulation foaming plant is estimated to be 600000 Refrigerators per year working on single shift basis.

In their presentation to the Committee they mentioned that the company is fully aware of the fire hazards involved in the use of cyclopentane and are taking all measures to for safe use of it. The Committee observed that they have yet to obtain (i) a certificate from Directorate of Explosives, Nagpur for safe storage of

cyclopentane (ii) A clearance from the State Pollution Control Board for use of cyclopentane.

These must be submitted for consideration of the project. In addition the Committee desired that a write up on the safety measures and precautions taken for safe operations should be submitted by the company.

The Committee recommended the application for approval subject to receiving the above documents.

The meeting ended with vote of thanks to the Chair.

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List of Participants.

1	Dr. B. Sengupta, 161, Medha Apartments, Mayur Vihar, Phase – I, New Delhi – 110 091.	Chairman
2	Dr. Kiran Pal, Joint Director, Centre for Fire, Explosive & Environment Safety (CFEES), Defence Research & Development Organisation (DRDO), Ministry of Defence, Brig. S.K. Mazumdar Road, Timarpur, Delhi – 110 054 Ph: 23907125, 23810820	Member
3	Shri S.K. Agarwal O/o DC (SSI), Ministry of Micro, Small & Medium Enterprises, Nirman Bhavan, New Delhi – 110 011 Telefax: 23062992	Member
4	Dr. H.S. Kaprwan, C-127, Sector 51, Noida – 200 1307 Ph.: 9891597792	Member
5	Shri Vikas, Under Secretary Ministry of Finance, North Block, New Delhi – 110 001	Member
6	Shri Hemant Kulkarni Council of Scientific Industrial Research (CSIR), Anusandhan Bhawan, 2, Rafi Marg, New Delhi – 110 001	Member
7	Dr. Manish Gupta Senior Economist, National Institute of Public Finance & Policy, 18/2, Satsang Vihar Marg, Spl. Institutional Area (Near JNU), New Delhi – 110 067	Member

8	Mr. D.S. Gaur, Department of Economic Affairs Ministry of Finance, North Block, New Delhi – 110 001	Member
9	Mr. Vishwa Bandhu Bhattacharya, CII Centre of Excellence for Sustainable Development Confederation of Indian Industry (CII), Thapar House, IIInd Floor, 124, Janpath, New Delhi – 110001	Member
10	Mr. Ringkhang Muchahary Technical Officer - SPPU Ministry of Environment and Forests, Core IV B, 2 nd Floor, India Habitat Centre, Lodhi Road, New Delhi – 110003	(Special invitee)
11	Mr. Fahad Naim Technical Officer - PMU Ministry of Environment and Forests, Core IV B, 2 nd Floor, India Habitat Centre, Lodhi Road, New Delhi – 110003	(Special invitee)
12	Ms. Chanchal Sharma Technical Officer - PMU Ministry of Environment and Forests, Core IV B, 2 nd Floor, India Habitat Centre, Lodhi Road, New Delhi – 110003	(Special invitee)
13	Prof. S.K. Mukerjee, Consultant, Ozone Cell, Ministry of Environment and Forests, Core IV B, 2 nd Floor, India Habitat Centre, Lodhi Road, New Delhi – 110003	Consultant
14	Dr. A. Duraisamy, Director (Ozone Cell), Ministry of Environment and Forests, Core IV B, 2 nd Floor, India Habitat Centre, Lodhi Road, New Delhi – 110003	Member Secretary

M/S FRIGOGLOSS INDIA PVT. LTD.**Detailed description of items for PO No. 500000245****Cyclopentane Blown Insulation system consists of below parts.**

- N.3 Fans Vent. device with accessories
- N..4 Coils of electrical cables
- Set of Rigid Hoses/Pipes
- Set of Cables' raceways
- Set of flexible hoses
- C5 storage tank flanges with accessories
- Pentamodule 100 composed by:
 - 330LTS tanks group with N.1 stirrer N.3 heat exchangers
 - Electrical box
 - Box
 - Motor pump group
 - Tools box
- Control panel for C5
- 100 LTS hydraulic unit
- Alarms control panel
- Remote control panel
- 1000 LTS azothe tank
- Pentaeasyfroth unit with
 - Box
 - Tools Box
- Control panel and hydraulic unit group
- Raw Polyol pump group

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Annexure - A**M/S DELPHI AUTOMOTIVE SYSTEMS PVT. LTD., GREATER NOIDA (UP)**

<u>P.O. No. T1010500 dt. 02.06.2010</u>							
Used aluminum Brazing Furnace consisting of Furnace having serial No. SECO WARWICK (F432-89) along with THERMAL DEGREASER (TD 12.100.2G) comprising partial shipment of used knocked down portion of machinery as follows to be shipped as break bulk cargo.							
S.No.	Description	Detailed Description consisting of:	Item Qty	Item cost in US\$	Total cost in US\$	Item cost in INR	
1	INCINERATOR	S.S fabricated structure	1	22,950	22,950.00	1098157.5	
2	THERMAL DEGREASER	Degreasing equipment	1	31,014	31,014.00	1484019.9	
3	FURNACE SECTION 1	Furnace section #1	1	26,052	26,052.00	1246588.2	
4	FURNACE SECTION 2	Furnace section #2 consisting of pipings	1	25,638	25,638.00	1226778.3	
5	FURNACE COOLING CHAMBER	Steel fabricated cooling chamber	1	22,744	22,744.00	1088300.4	
6	FURNACE SCRUBBER	Fabricated cover of the scrubber	1	19,849	19,849.00	949774.65	
Total Ex-Works Cost:					148,247.00	7093618.95	
Freight:					87,350.00	4179697.5	
Insurance:					1,667.78	79803.273	
Total CIF Cost:					237264.78	11353119.72	

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Annexure-IV**M/S DELPHI AUTOMOTIVE SYSTEMS PVT. LTD., GREATER NOIDA (UP)****P.O. No. T1010500 dt. 02.06.2010**

Used aluminum Brazing Furnace consisting of Furnace having serial No. SECO WARWICK (F432-89) along with THERMAL DEGREESER (TD 12.100.2G) comprising partial shipment of used knocked down portion of machinery as follows to be shipped in containers.

S. No.	Description	Qty	Detailed Description consisting of:	Item cost in US\$	Total cost in US\$	Item cost in INR
1	FURNACE ELECT PANELS	1	Electrical panel	6,547.00	6,547.00	313273.95
2	FURNACE TRANSFORMERS	4	Transformer and miscellaneous fixing bolts	4,091.00	16,364.00	783017.40
3	FURNACE SECTION 1 Misc (pallet)	Lot	Electrical wire ways	5,091.00	5,091.00	243604.35
4	INCINERATOR MISC pallet	Lot	Incinerator accessories	2,727.00	2,727.00	130486.95
5	FURNACE SECTION 1 Misc (pallet)	Lot	Fabricated framings	4,546.00	4,546.00	217526.10
6	FURNACE SECTION 2 Misc (pallet)	Lot	Fabricated framings	9,455.00	9,455.00	452421.75
7	INCINERATOR ELECT PANELS	1	Elec panel	4,000.00	4,000.00	191400.00
8	FURNACE ELECT PANEL	1	Electric panel	8,364.00	8,364.00	400217.40
9	FURNACE ELECT PANEL	1	Furnace Electrical panel	13,819.00	13,819.00	661239.15
10	FURNACE SCRUBBER FAN	1	Electric fan	13,819.00	13,819.00	661239.15
11	FURNACE COOLING SECTION Track	1	Track	2,627.00	2,627.00	125701.95
12	FURNACE SCRUBBER Misc	1	Incinerator accessories	2,909.00	2,909.00	139195.65
13	INCINERATOR DUCTWORK (pallet)	1	Stainless steel fabricated pipe for sending the fumes out of the plant	5,091.00	5,091.00	243604.35
14	INCINERATOR MISC pallet	Lot		3,200.00	3,200.00	153120.00
15	INCINERATOR SOUND ENCL (pallet)	Lot	Fabricated side doors	5,127.00	5,127.00	245326.95
16	INCINERATOR DUCTWORK (pallet)	Lot	Stainless steel fabricated pipe for sending the fumes out of the plant	4,000.00	4,000.00	191400.00

17	FURNACE SCRUBBER Platform	1	Fabricated platform	6,909.00	6,909.00	330595.65
18	FURNACE ELECT PANEL J-Box	1	Electrical panel and accessories	3,273.00	3,273.00	156613.05
19	INCINERATOR DUCTWORK (pallet)	Lot	Stainless steel ducting disassembled parts consist of mounting bolts and insulation	4,000.00	4,000.00	191400.00
20	INCINERATOR Misc (pallet)	Lot	Connecting parts like ebows and miscellanius fittings	3,746.00	3,746.00	179246.10
21	FURNACE SECTION 1 FAN	1	Electrical fan with out motor	11,637.00	11,637.00	556830.45
22	INCINERATOR MISC and Gas Reg pallet	Lot	Framing and gas regulator	3,455.00	3,455.00	165321.75
23	FURNACE COOLING SECT DUCT	1	Cone section at the operator side connecting duct	2,909.00	2,909.00	139195.65
24	INCINERATOR DUCTWORK (pallet)	Lot	Consist of S.S ducting pipes of different sizes	3,273.00	3,273.00	156613.05
25	INCINERATOR MISC pallet	Lot	Ladder for climbing to the m/c top	3,309.00	3,309.00	158335.65
26	INCINERATOR DUCTWORK (pallet)	Lot	S.S pipe work consist of two pipes and connections	4,982.00	4,982.00	238388.70
27	THERMAL DEGREASE CONVEYOR	1	Lead conveyor to thermal degreaser	13,273.00	13,273.00	635113.05
28	FURNACE COOLING SECT DUCT	1	Cone section at the operator side connecting duct	2,727.00	2,727.00	130486.95
29	INCINERATOR SOUND ENCL (pallet)	Lot	Fabricated side doors	5,273.00	5,273.00	252313.05
30	FURNACE SECTION 1 Element Tubes	Lot	S.S tube for holding elements	10,182.00	10,182.00	487208.70
31	FURNACE ENTRANCE CONV	1	Fabricated structure - Vestibule	14,909.00	14,909.00	713395.65
32	INCINERATOR DUCTWORK (pallet)	Lot	S.S steel disassembled pipes	4,727.00	4,727.00	226186.95
33	FURNACE COOLING SECTION	1	Fabricated S.S structure with fitting miscellaneous	10,791.00	10,791.00	516349.35
34	FURNACE COOLING SECTION BASE	1	Fabricated base for cooling zone with with fitting miscellaneous	6,727.00	6,727.00	321886.95
35	INCINERATOR DUCTWORK (pallet)	Lot	S.S pipes for sending the fumes outside the plant	4,727.00	4,727.00	226186.95

36	FURNACE SECTION 1 (Muffle Transition)	1	Fabricated SS structure - connect between vestibule	11,818.00	11,818.00	565491.30
37	FURNACE EXIT CONVEYOR	1	Conveyor with fabricated structure	16,412.00	16,412.00	785314.20
38	FURNACE SECTION 1 Elements	Lot	Electrical heating elements and fitting miscellaneous	5,878.00	5,878.00	281262.30
39	FURNACE SECTION 1 Elements	Lot	Electrical heating element 20 Nos	4,349.00	4,349.00	208099.65
40	FURNACE SECTION 1 Elements	Lot	Electrical heating elements and fitting miscellaneous	4,851.00	4,851.00	232120.35
41	FURNACE SECTION 2 Conveyor	1	Furnace conveyor	3,178.00	3,178.00	152067.30
42	FURNACE SECTION 1 Muffle Gasket	3	Gasket in pairs	897.67	2,693.00	128860.05
43	FURNACE SECTION 1 Element Tubes	Lot	S.S tube for holding elements	8,000.00	8,000.00	382800.00
44	INCINERATOR DUCTWORK (pallet)	Lot	S.S pipe assembly consist of S.S pipes and fitments	4,364.00	4,364.00	208817.40
45	FURNACE SECTION 2 Muffle half	1	S.S fabricated muffle - Half	11,208.00	11,208.00	536302.80
46	FURNACE SECTION 2 Muffle half	1	S.S fabricated muffle - Half	11,375.00	11,375.00	544293.75
47	FURNACE COOLING SECT FANS	2	Electrical fans	6,545.50	13,091.00	626404.35
48	FURNACE COOLING SECT FAN	1	Electrical fan	6,546.00	6,546.00	313226.10
Ex-Works cost :					332,278.00	15899502.30

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Annexure-V**M/S DELPHI AUTOMOTIVE SYSTEMS PVT. LTD., GREATER NOIDA (UP)****P.O. No. T1010500 dt. 27.05.2010**

Used aluminum Brazing Furnace consisting of Furnace having serial No. SECO WARWICK (F432-89) along with THERMAL DEGREESER (TD 12.100.2G) comprising partial shipment of NEW parts of the machinery as follows to be shipped in containers shipment.

S.No.	Description	Total cost in US\$	Total cost in INR
1	1200 KVA Transformer	125000.00	5981250.00
2	Power block		
3	Sylicon Controlled Rectifier for furnace		
4	Side eliments		
5	TC wire		
6	Panel air conditioning unit		
7	Shives		
	Above material with accessories		
8	Engineering drawings	5000.00	239250.00
	Ex-Works cost:	130000.00	6220500.00
	Total Ex-Works cost :	462278.00	22120002.30
	Freight:	39000.00	1866150.00
	Insurance:	5200.63	248850.1455
	Total CIF Cost:	506478.63	24235002.45

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