

Minutes of the Technology and Finance Standing Committee (TFSC) Meeting held on Tuesday 22nd December, 2009 at 11.00 A.M in Conference Room of Delhi Management Association (DMA), Core 6 A, 1st Floor, India Habitat Centre, Lodhi Road, New Delhi -110003.

List of participants is attached as Annexure - I.

The Minutes of the TFSC meeting held on 26th August, 2009 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 the Chairman TFSC Mr. K. Madhava Sarma was unable to come from Chennai. He has authorized Dr. A. Duraisamy to take decisions as per discussions in the meeting and also forwarded his comments for consideration by the Committee. A copy of the same is attached as Annexure – II. The decisions and comments, "if any" on projects taken in the Meeting may be sent to him for perusal and approval. The Committee agreed.

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 26th August, 2009.

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. Global Autotech Ltd., Greater Noida, U.P.
- 2 M/s. Venus Home Appliances Pvt. Ltd., Pudukottai, Tuticorin (T.N.)
- 3 M/s Sanden Vikas (India) Ltd., Faridabad.

The Chairman ESC was informed that the application of M/s DLF was not recommended.

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

The Committee then considered the following Agenda items:

Agenda Item No. 1: The application of M/s Subros Ltd., Noida for duty exemption for import of 17 pieces of equipment for indigenous manufacture of R. S evaporators and fan blowers used in Mobile Air-conditioners.

M/s Subros Ltd., the largest manufacturer of car Air-conditioners in India with a capacity of 7, 50,000 units per annum, have introduced a new type of evaporator known as R. S. Evaporator (Revolutionary Slim Evaporator) with high weight efficiency ratio from Japan. This evaporator is lighter than the ones used earlier, have better heat exchanger fins and special coating on surfaces which makes it dirt and bacteria free and reduces fungal growth. **At present they are importing this evaporator but after seeing its utility they have decided to undertake its manufacture indigenously at their Noida plant.** For this they need to import 17 pieces of machinery shown in the **Group A** of the following table.

They also want to start indigenous manufacture of **fan blowers** for which they need to import two pieces equipment also shown as **Group B** of the same table. M/s. Subros have asked for duty exemption for import of these 19 pieces of equipment.

TABLE

Group A : Equipment needed for R. S. Evaporator.

S. No.	Description of eqpt.	Qty	P.O No, Date & Supplier	Total amount (FOB/CIF value)	Total CIF cost (Rs. In lacs)
1	Surface Treatment Machine for New Clean Coat	1 Set	7200000 247 Dated 18.04.2009 Sumitomo Corporation	21,11,81,000/- Yen	10,13,66,880/-
2	Fin forming machine for R S Evaporator	1 Set	7200000 248 Dated 22.04.2009 Sumitomo Corporation	5,40,77,500/- Yen	2,59,57,200/-
3	Core Assembly Machine	1 Set	7200000 253 Dated 16.07.2009 DENSO THAILAND CO. LTD.,)	81,659/06 USD	39,60,464/41
4	Plate Header Machine	1 Set	7200000 254 Dated 16.07.2009 -do-	37,715/64 USD	18,29,208/54
5	Cap Cup Assembly Machine	1 Set	7200000 255 Dated 16.07.2009 -do-	35,884/69 USD	17,40,407/47
6	Wiring Machine	1 Set	7200000 256 Dated 16.07.2009 -do-	28,560/77 USD	13,85,197/35
7	Cup Crimping Jig	1 Set	7200000 257 Dated 16.07.2009 -do-	17,209/54 USD	8,34,662/69
8	Separator Cutting Die	1 Set	7200000 258 Dated 16.07.2009 -do-	27,460/54 USD	13,31,836/19

S. No.	Description of eqpt.	Qty	P.O No, Date & Supplier	Total amount (FOB/CIF value)	Total CIF cost (Rs. In lacs)
9	Cap Cutting Die	1 Set	7200000 259 Dated 16.07.2009 -do-	23,814/37 USD	11,54,996/95
10	Cup Cutting Die	1 Set	7200000 260 16.07.2009 -do-	25,629/56 USD	12,43,033/66
11	Separator Cutting Press	1 Set	7200000 261 Dated 16.07.2009 -do-	47,601/29 USD	23,08,662/57
12	Cap Cutting Press	1 Set	7200000 262 Dated 16.07.2009 DENSO THAILAND CO. LTD.)	47,601/29 USD	23,08,662/57
13	Cup Cutting Press	1 Set	7200000 263 Dated 16.07.2009 -do-	36,615/44 USD	17,75,848/84
14	Cup Plate Crimping Jig	1 Set	7200000 264 Dated 16.07.2009 -do-	12,889/90 USD	6,25,160/15
15	Inner Leak and Moisture Testing Machine	1 Set	7200000 266 Dated 15.06.2009 Sumitomo Corporation	89,20,000/- Yen	42,81,600/-
16	Contour Tracing Measuring Machine Model Contourecord 1710SD23N	1 Set	7200000 267 Dated 16.07.2009 Tokyo Seimtsu	40,00,000/- Yen	19,20,000/-
17	Internal Corrosion Test System with Transformer.	1 Set	7200000 246 Dated 01.04.2009 Logics Corporation	72,50,000/- Yen	34,80,000/-
Total cost					157503821/39

Group B : Equipment needed for fan blowers

S. No.	Description of eqpt.	Qty	P.O No, Date & Supplier	Total amount (FOB/CIF value)	Total CIF cost (Rs. In lacs)
1	Blower Fan Molding Die of YG4	1 Set	7200000 249 Dated 27.05.2009 Sumitomo Corporation	1,19,97,400/- Yen	57,58,752/-
2	Horizontal Balancing Machine 2 Surface Type Model HGB-4KEL Special	1 Set	7200000 268 Dated 16.07.2009 Logics Corporation	77,20,000/- Yen	37,05,600/-
Total cost					94,64,352/-

Total in Rs. = 16,69,68,173/37

Approx. duty @7.5% = 1,25,22,613/-

The total cost of equipment being imported now is Rs. 16.697 Crores and duty payable on it @ 7.5% would be approx. 1.252 Crores. The entire cost of the projects would be funded by internal accruals.

During the discussion, the Committee wanted to know the name of the non-ODS refrigerant being used by the company. It was clarified that they are using at present HFC-134a but thinking of alternatives because of its high GWP. At present there are no alternatives but the search is on. The Committee appreciated that M/s Subros is introducing more energy efficient evaporators with improved features and recommended the project for approval.

Agenda Item No. 2: The application of **M/s Krishna Maruti Ltd.**, Pune for duty exemption for import of one PEC make Polyurethane car seat cushion plant for manufacture of car seats.

M/s Krishna Maruti Ltd., started manufacturing car seating systems for Maruti Suzuki India Ltd., (earlier known as Maruti

Udyog Ltd.,) in the year 1994. At present it is a joint enterprise with the current share holding pattern as per the details given below:

1.	Suzuki Motor Corporation	29.24%
2.	Maruti Suzuki India Ltd.,	15.80%
3.	Ashok Kapur and Associates	54.96%

The company supplies 59% of the car seat cushion requirement of Maruti Suzuki India Ltd.

M/s Krishna Maruti Ltd., is now setting up a new car seat cushion plant at village Bhosa, Distt. Pune, Maharashtra as a part of their expansion program to meet the demand of western customers like Tata Motors, Fiat, Mahindra and Volkswagen all located near Pune.

They intend to import a PU car seat cushion manufacturing plant from Japan and have applied for duty exemption. The details of the plant being imported are given in the following table:

Table

Sl. No	Description & Qty	P.O. No & Date	supplier address	FOB value in Japanese YEN	Value in INR (Exchange rate 0.52)
1	PEC make PU Plant – One. (Details of the plant may be seen in Annex.III –)	IO / KML / SDM/09-02 Dated 12 -08-09	M/s Sojitz Corporation, 1 – 20, Akasaka, 6 – Chome, Minato - Ku, Tokyo 107-8655, Japan	12,92,92,350	6,72,32,022/-
Total cost of machinery					6,72,32,022/-
Duty payable approx. @ 7.5%					50.4 lacs

The capacity of the new seat cushion plant is 1,75,560 seats per annum.

The total cost of the project is Rs. 755 Lacs. It will be financed partly by a term loan of Rs 453 Lacs from the State Bank of Hyderabad.

The company will be using water as the non-ODS foam blowing agent. The only waste material produced in the plant are foam trimmings which will be disposed off by selling to authorized scrap dealers.

The Committee discussed the application and felt that as car production is increasing in the country, production of car seats needs expansion and recommended the application for approval.

Agenda Item No. 3: The application of M/s Subros Ltd., Noida, for duty exemption for import of equipment for (i) capacity enhancement (ii) R. S. Evaporators (additional equipment) and (iii) leak detection equipment for their MAC manufacturing plant at Noida.

M/s Subros Ltd., the largest manufacturer of Mobile Air Conditioners in India is now expanding the capacity of the plant at Noida and are introducing new products for which they need to import ten pieces of equipment, grouped as shown with details in the following Table and have requested for duty exemption for import of these equipments.

TABLE

Group A : Equipment Required for Capacity Enhancement of their condenser manufacturing.

S. No.	Description of eqpt.	Qty	P.O No, Date & Supplier	Total amount (FOB/CIF value in JPY)	Total CIF cost (Rs)
1	Fanuc Robodrill Alpha T14iFb with Fanuc Series 31i-A with options.	1 Set	7200000 275 Dated 24.09.2009 Fanuc Ltd., Japan	58,48,770/-	30,41,360/-
2	Fanuc Robodrill Alpha T14iFb with Fanuc Series 31i-A and DDR with options.	3 Sets	7200000 275 Dated 24.09.2009 Do	2,20,74,390/-	1,14,78,683/-

S. No.	Description of eqpt.	Qty	P.O No, Date & Supplier	Total amount (FOB/CIF value in JPY)	Total CIF cost (Rs)
3	Fanuc Robodrill Alpha T14iFb with Fanuc Series 31i-A with options.	1 set	7200000 276 Dated 24.09.2009 Do	58,48,770/-	30,41,360/-
4	Fanuc Robodrill Alpha T14iFb with Fanuc Series 31i-A and DDR with options.	4 sets	7200000 276 Dated 24.09.2009 Do	2,94,32,520/-	1,53,04,910/-
5	Automatic Pulley Tig Welding system	1 set	7200000 270 Dated 01.09.2009 Logics Corporation	1,05,00,000/-	54,60,000/-
Group B: Equipment Required for R. S. Evaporator (New Technology)					
1	Drop Master Model DM 501	1 set	7200000 269 Dated 01.09.2009 Logics Corporation	29,00,000/-	15,08,000/-
2	Rigaku/Automatic Sequential X Ray Spectrometer System Primini 1 sample Inlet Type (Vas.) with accessories	1 set	7200000 273 Dated 24.09.2009 Rigaku Corporation, Japan	90,30,580/-	46,95,902/-
3	Total Organic Carbon Analyzer Model TOC VCSH, High Sensitivity by using Combustion technique with stand alone alongwith standard accessories.	1 set	7200000 274 Dated 24.09.2009 Shimadzu (Asia Pacific Pte Ltd., Singapore)	32,00,000/-	16,64,000/-
4	Helium Leak Testing Machine	1 set	7200000 277 Dated 25.09.2009 Logics Corporation	2,30,00,000/-	1,19,60,000/-

Group C: Equipment Required for New Product Capability (Bus A/C)					
S. No.	Description of eqpt.	Qty	P.O No, Date & Supplier	Total amount (FOB/CIF value in JPY)	Total CIF cost (Rs)
1	Vaccum Leak detecting machine.	1 set	7200000 278 Dated 25.09.2009 Logics Corporation	26,00,000/-	13,52,000/-
Total amount INR					5,95,06,215
Duty payable approx. 7.5%					44,62,966.12

The total cost of all these machinery now being imported is Rs. 5.95 crores. It will be financed from their internal resources. Duty on it will be approx. Rs. 45 lacs @ 7.5%.

The Committee noted that the machinery being imported are general purpose manufacturing machines and recommended the application for approval.

Agenda Item No. 4

The application of M/s IC ICE Make Refrigeration Pvt. Ltd., Ahmedabad, for import of one high pressure polyurethane foaming machine for manufacture of rigid foam sandwich panels required for making cold rooms for food and agro storage industries.

M/s IC ICE Make Refrigeration Pvt. Ltd., is a recently formed subsidiary of M/s ICE Make Refrigeration, a reputed manufacturer of refrigeration equipment like water coolers, milk chillers, commercial cold rooms in hotels and restaurants etc since 1989 at Subhash Industrial Estate, Ahmedabad.

The new company M/s IC ICE Make Refrigeration Pvt. Ltd., was formed in March 2009 with the aim of diversification into manufacture of PU foam sandwich panels which have a good market for food, pharmacy and agro storage industries. The new subsidiary company is located at a bigger place in Dantali Industries Estate at Gandhi Nagar, Ahmedabad.

For manufacturing PU foam sandwich panels, **the new company** is importing a high pressure PU foaming machine, Cannon-A, compact 200 from M/s Afros spa Italy, details of which are given in the following table :

Table

Sl. No	Description of Equipment	Qty	Amount in (Euro)	Price in INR
1	High Pressure Polyurethane Foaming Machine Cannon A-Compact 200 FC with FPL-24 mix head	1 No	100,000/-	70,00,000/-
Total				Rs. 70,00,000/-
Approx. Duty @ 7.5%				Rs. 5.5 lacs

The total cost of the machine is Rs. 70 lacs and the duty payable on it @ 7.5% would be approx. Rs. 5.5 lacs.

The projected capacity of the new plant is 75,000 Sq. ft of PU panels per month.

The cost of the project is approx. Rs. 5.2 crores. It will be financed partly by a term loan of 310 lacs from Canara Bank, Ahmedabad and rest by internal accruals.

The Committee noted that agro storage industries is one of the thrust areas of the Government and PU sandwich Panels are needed for it and recommended the application for approval.

Agenda Item No. 5: The application of **M/s. Techno Electronics Ltd., Kashipur** (Uttarakhand) for duty exemption for import of one Vacuum Forming machine (FM-F1) for their integrated refrigerator and Air Conditioners manufacturing plant.

M/s. Techno Electronics Ltd., is the new name of an unit of M/s Videocon Industries Ltd., manufacturing energy efficient non-CFC refrigerators of both no-frost and direct cool type of capacity 600,000 units per annum and air conditioners (300,000 units) at Kashipur, Uttarakhand taking advantage of tax and other incentives offered by the State Government.

In the manufacture of refrigerators the company is using eco-friendly foam blowing agent, cyclopentane and eco-friendly refrigerant R-410a anticipating that HCFCs will have to be given up.

For their refrigerator manufacturing plant they imported earlier in 2007 one vacuum forming machine but **for increasing the production they need to import one more vacuum forming machine now** along with some spares. The application is for duty exemption for the import of this vacuum forming machine (9FM-F1) and some spares from South Korea.

The details of the machine being imported are shown in the following table:

Table

S. No.	Description of Equipment	Qty/ Unit	Purchase Order No. & dated	FOB Price USD	FOB Price in INR
1	Vacuum Forming Machine (FM-F1)	1 set	32007952 Dated 13.06.2009	7,25,000/-	3,92,76,875/-
2	Spares	1 set	32007952 Dated 13.06.2009	29,000/-	15,71,075/-
Total					4,08,47,950/-
Duty payable @ 7.5%					30.6 lacs

The total cost of the imported equipment is Rs. **4.08 Crores** and duty payable @ 7.5% is Rs. 30.6 lacs. It will be financed from internal accruals.

The machine will be supplied by M/s Shinhyo, South Korea.

The Committee noted that M/s Techno Electronic Ltd., is using non-ODS foam blowing agent (cyclopentane) and non-ODS refrigerant (R-410a) in their refrigeration manufacturing process and the addition on one vacuum thermo forming machine will increase the economy of production from this plant and recommended the application for approval.

Additional Agenda Item No. 1 : The application of **M/s Whirlpool India Pvt. Ltd.**, for duty exemption for import of one PU foam processing machine (A-compact 40 Penta) for changing over to cyclopentane foam blowing agent in their refrigerator door manufacturing plant at Ranjangaon, Pune.

M/s Whirlpool of India Ltd., a subsidiary of Whirlpool corporation, US started manufacturing non-CFC refrigerators in India in 1995 at Faridabad. They started a second non-CFC refrigerator plant at Ranjangaon, Dist Pune in 1996 with state of the art technology.

In both the plants the company was using HCFC-141b for foam insulation and HFC-134a as the refrigerant in this plant from the beginning. **They have now decided to change over to non-ODS foam blowing agent, cyclopentane in line with the recent guidelines given by Montreal Protocol and MoEF.** To begin with they have planned to convert the refrigerator door making plant at Ranjangaon for use with cyclopentane. For this they are importing a PU foam processing machine (Cannon A-compact 40) from M/s Cannon Crios, Italy and have applied for duty exemption. The details of the foam processing machine are given in the following table:

Table

Sl. No	Equipment	P.O. No & Date	Source	Price in Euro	Price (Rs. In lacs)
1	Polyurethane Foam processing machine A-compact 40 Penta	1201017387 Date 13.11.2009	Crios Cannnon SPA, Italy	3,10,000	213.93
Total					213.93
Duty payable @ 7.5%					16.0 lacs

The cost of this PU foam processing machine is Rs. 2.14 crores and duty payable on it approx. Rs. 16 Lacs.

The cost of this pilot project for conversion to cyclopentane blowing agent would be Rs 3 crores including the cost of this

imported equipment and related infrastructure. It will be met from internal accruals.

The capacity of the new door processing plant is estimated to be 1.2 lac doors per year working on a single shift basis.

The Committee observed that this is the first voluntary conversion project from HCFC-141b (ODS) to cyclopentane (non-ODS) and the experience gained will enable the company to convert fully to non-ODS foam blowing from the ODS HCFC-141b currently being used. The Committee also observed that M/s Whirlpool of India has taken adequate fire prevention measures needed for operations with cyclopentane and recommended the application for approval.

Other Items: The Committee decided that the proponents should make a brief presentation of the proposal before the Committee consideration from next meeting onwards.

The Meeting ended with vote of Thanks to the Chair.

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Annexure-I**LIST OF PARTICIPANTS**

1	Mr. V.B. Bhattacharya, CII Centre of Excellence for Sustainable Development Confederation of Indian Industry (CII), Thapar House, IIInd Floor, 124, Janpath, New Delhi – 110003	Member
2	Mr. A. Haldar, Head (Environment Division), Engineers India Ltd., R & D Complex, Sector – 16 on NH -8 Gurgaon	Member
3	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 – 110054 Ph: 23387898	Member
4	Dr. Izzatullah, Development Commissioner, O/o DC (SSI), Ministry of Micro, Small & Medium Enterprises, Room No. 702, Nirman Bhavan, New Delhi – 110011 Ph. : 23061198, 23061461 Telefax : 23061972, 23061430	Member
5	Mr. A.K. Kundalia, Scientist, PPD, Council of Scientific Industrial Research (CSIR), Anusandhan Bhawan, 2, Rafi Marg, New Delhi - 110001	Member
6	Dr. H.S. Kaprwan, C-127, Sector 51, Noida – 200 1307 Ph.: 9891597792	Member
7	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

8	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
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Annexure - II

From: Madhav Sharma
To: Ozone Cell India
Sent: Monday, December 21, 2009 2:56 PM
Subject: TFSC meeting

I received your agenda notes on the TFSC meeting. I am unable to attend the meeting. I request you to kindly preside over and run the meeting and take decisions. I have the following observations that may be taken into account.

A general point is that in a few days the CFCs, Carbon tetrachloride and halons will be phased out throughout the world as all countries have ratified the MP.. Therefore the Government need to examine urgently the need to continue the financial concessions since, with or without the concessions industries throughout the world have to go to alternatives and there is no danger of such industries migrating to other countries.

Agenda 1, 3- subject to the general comment, no further comments.
Agenda 2- In this case however, there are not going to HCFC and hence no comments.
Agenda 4 and 5- It is not clear whether they are going to HCFCs. In which case, they need to be cautioned about the impending phase out of HCFCs and that it is unlikely that they will get assistance for further transition away from HCFCs.
Additional agenda- Whirpool, Good that they are going to cyclopentane on their own.

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Annexure - III

ANNEXURE-III

THIS ANNEXURE FORMS AN INTEGRAL PART OF PO NO: IO/KML/SDM/09-02 (revised) DT 12 TH Aug. 2009 PLACED ON M/s SOJITZ CORPORATION, JAPAN

PU foaming Plant, Oval conveyorised, Two separate mixing head stream, Robotic Pouring, Auto mould closing.

Components	Details	Our specifications
Conveyor	No. of Carrier	30
	Tact Time	19 Sec / carrier
	Mould carrier dimensions	1700*975
	inter changeability of the mould carriers with existing plants	Yes
	Conveyor Drive	Two Synchronized V ² Motor/ VFD controlled motor
	Chain tightening arrangement	Hydraulic
	Mould tilting arrangement after pouring	No
	3 pieces mould option in the carriers	Yes
	Electrical Controls	Omron/Siemens
	Mould heating arrangement	Centralized Hot water heating arrangement common for all moulds with rotary joint
Mould closing Device	Mould changing arrangements	Quick change arrangement
	Type of the device	Servo Drive/ Frequency Drive
	Electrical Control	Omron/Siemens
Pouring Equipments	Minimum closing time	
	No. of Tanks	4
	Tank capacity	500 Ltrs
	Cooling arrangement (Material Temp. controlling system)	Jacket & heat arrangement with two chillers for different components
	Metering unit Pump type	Hydromatic A2VK28 (POL) / A2VK12 for ISO with Magnetic coupling drive
	Metering unit Motor type	V ² Motor with feedback controller/ VFD
	Material Filter	Bag Type / Edge (100 mic)
	Supper dryer	Membrain type supper dryer required to avoid the moisture entry in ISO tank.
	Calibration unit for individual component monitoring	No
	High / Low pressure valve or bypass valve	Pneumatically / Hydraulically actuated
Blending unit	Pouring pressure range	60-210 Kg per Cm ²
	Electrical panel for pouring control	Omron/Siemens
	No. of Tanks	2
	Multi speed blending	Multi speed blending
	Weighing system	Weighing system
Blending unit	Tank capacity	500 Ltrs
	Cooling arrangement	Jacket with Chillers



	Raw Material Charging from 200 Kg Drums	For ISO - Diaphragm size- 1", for POLYOL - Gear Pump
	Electrical Control	Omron/Siemens
Mixing Head	Number of Mixing heads	2
	Head Type	MKE20-3B
	capacity of heads	200-550 Gms / Sec.
	Type of Nozzle	Needle Nozzle/ Fixed cone
	Mixing head cleaning device	Pneumatically actuated foam roll / Rotary Disk
	Pouring Robot	Make
Control		Omron / Yasakawa/Siemens
No. of Programs		250
Crusher	Vacuum	Yes
	Roller	Yes
Product Counter Panel (Touch Screen)	Consumption Monitor	Yes
	Pouring Monitor	Yes
	Programs Setting	Yes
	Carrier Arrangement	Yes
	Parameter Setting	Yes
	Conveyor Monitor	Yes
Hydraulic Unit	No. of Unit	2
	Separate Cooling and filtration system	Yes
Release agent st.	Release agent spray eqpt.with pneumatic agitator.	Yes (02 Nos)
Safety	Fencing guards & safety doors Required	Yes
Accessories	1. Seal set for H/L pressure valve Du1-T2	10 sets
	2. Bag Filter NMO-100P04A-503	10 sets
	3. Flow Meter VC-1	01 sets
	4. Flow Meter VC-5	01 No.
	5. Seal Set For Material tank	01 No.
	6. Seal Set For Blending tank	01 No.
	7. Seal Set for Vaccum Crusher	01 No.
	8. Metring Pump A2VK28	01 No.
	9. Cone Nozzles -1.0,1.1,1.2,1.3,1.4 mm (06 No. each)	30Nos
	10. Seal Set for rotary joint	01 sets
	11. Cyclo drive with motor for machine tank agitator	01 sets
	12. Main conveyer gear box with cyclo drive	01 sets
	13. service Kit for diaphragm pump	01 sets
High & Low Pressure Leak	1 Flow Gauge VC-5	02 sets
check device	2. Block Joint & support for above	02 sets
	3. flow gauge VC-1	02 sets
	4. Block Joint & support for above	02 sets
	5. Panel meter	02 sets
Note:- All Tanks, Metering Pumps & hydraulic Unit Will be overhead on the mazine over the Convyor		



