

# GARDEN SILK MILLS LIMITED

DC / GSML / EC 16-17 / 19

February 10, 2017

GPCB ID: 20700

SRT : 863(7)

The Director

**Ministry of Environment & Forest**

Regional Office, Western Region,

Kendriya Paryavaran Bhavan,

Link Road No.: 03,

Ravi Shankar Nagar,

Bhopal - 452 016 (MP)

**SUB: COMPLIANCE TO ENVIRONMENT CLEARANCE TO EXPANSION OF PRODUCTION PLANT AND POWER PLANT AT SURAT BY M/s. GARDEN SILK MILLS LTD FOR THE TERM APRIL 2016 TO SEPTEMBER 2016.**

**REF: 1. MINISTRY'S LETTER NO. J-11011/1048/2007-IA II (I), DATED: 07/04/08 AND AMENDMENTS**  
**2. MINISTRY'S LETTER NO. J-11011/124/2009-IA II (I), DATED: 10/06/09 AND AMENDMENTS**  
**3. MINISTRY'S LETTER NO. J-11011/624/2010-IA II (I), DATED: 10/05/13**

Dear Sir,

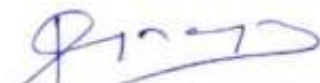
With reference to the Environmental Clearance obtained from MoEF vide letter dated: 07/04/2008, 10/06/2009 and 10/05/2013 we are hereby enclosing the six monthly Compliance Report (April 2016 - September 2016) of Environmental Clearance issued to us.

I hope that you will find it in order and do the needful.

Thanking You.

Yours Faithfully,

For **M/s. GARDEN SILK MILLS LTD. (CP DIVISION - JOLWA)**

  
**YOGESH C. PAPATYA**  
**(EXECUTIVE)**

Copy to: To,

The Member Secretary  
**Gujarat Pollution Control Board**  
Paryavaran Bhavan,  
Sector: 10 - A  
Gandhinagar - 382 043

*Garden\**

Registered Office : Tulsi Krupa Arcade, Puna-Kumbharia Road, Dumbhal, Surat - 395 010. Phone : (0261) 2311197-98, 2311513/615 Fax : (0261) 2311029/502

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CIN : L17111GJ1979PLC003463 | Website : [www.gardenvareli.com](http://www.gardenvareli.com)

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**  
**J-11011/1048/2007-IA II (I), DATED: 07/04/2008**  
**APRIL 2016-SEPTEMBER 2016**

S. NO.	CONDITIONS				REMARKS
2	The Ministry of Environment and Forests has examined the proposal and noted that the proposal is for environmental clearance for expansion of Polyester Chips and Polyester Filament Yarn Production Plant at Village Jolwa, Palsana Taluka, Surat, Gujarat by M/s. Garden Silk Mills Ltd. The cost of the project is Rs. 365 Crores. The unit has green belt in 8,000 m <sup>2</sup> and has proposed additional green belt in 4,500 m <sup>2</sup> . The unit will install a natural gas based Captive Power Plant of 8.4 MW. In case of non availability of the gas, furnace oil may be used as fuel. The details of existing and proposed products and their capacities are as given below:				We have obtained consolidated consent order no CCA-SRT-863(7)/ID_20700/360995, dated 28/06/2016, valid up to 31/12/2020. CC&A amendment for the Coal based Power Plant (18 MW) vide GPCB letter no.: GPCB/CCA-SRT-863(5)/ID_20700/102858, dated 25 <sup>th</sup> January 2012. CC&A Amendment for Product Mix was obtained vide GPCB letter no. CCA-SRT-863(5)/ID_20700/ 120135 dated 1 <sup>st</sup> Aug 2012. CC&A amendment for 21 MW power plant vide letter no GPCB/CCA-SRT-863(7)/ID_20700/212045 dated 3 <sup>rd</sup> May 2014. <b>Annexure - I</b> - Copy of last valid consent. Production details are as <b>Annexure II.</b>
S. No.	Name of products	Production capacity (MTA)			
		Existing	Proposed	Total	
1.	Polyester Chips	1,55,000	2,37,600	3,92,600	
2.	Polyester Filament Yarn				
	Partially Oriented Yarn	61,000	29,600	90,600	
	Fully Drawn Yarn	--	19,900	19,900	
3.	By-Products-Degraded Polymer (Oligomer)	12	15	27	
4.	Captive Power Plant (MW)	6.74	8.4	15.14	
3	The total water requirement after expansion will be 7,083 KLD and will be sourced from own bore well. Total waste water generation will be 2,849 KLD which shall be treated and discharged into the Kadodara Khadi through own 1 km pipe line. The unit has two ETP's and proposes to install one new ETP.				The water requirement & waste water generation is within mentioned limits. Treated effluent is discharged into the Kadodara Khadi through closed RCC pipeline of 1.7 km.
4	The project activity is listed at S. N. 5 (d & c) under category 'A' and was considered and appraised at center level as para 7(ii) of EIA Notification 2006.				--
5	The Ministry of Environment and Forest hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14 <sup>th</sup> September, 2006 subject to compliance of the following specific and general conditions.				--
A.	SPECIFIC CONDITIONS				
i)	The company shall install full-fledged ETP to comply with the GPCB norm for discharge of effluent into sea and all necessary clearances shall be obtained.				Full-fledged ETP in our premises to bring GPCB prescribed norms. Analysis report are enclosed as <b>Refer Annexure III</b>
ii)	The company shall construct a guard pond for treated effluent and shall carry out the bioassay test by collecting the treated effluent into the guard pond before discharging into Khadi. The reports shall be submitted to CPCB and Ministry's Regional Office at Bhopal.				Analysis report of Bioassay test are enclosed as <b>Refer Annexure III</b>
iii)	The water consumption shall not exceed 7,083 KLD and waste water generation shall not exceed 2,849 KLD. The company shall install the waste water monitoring facility and records shall be maintained.				The water requirement & waste water generation is within mentioned limits. Consumption and generation are enclosed in <b>Annexure IV.</b>
iv)	The company shall obtain for drawl of ground water from the Central Ground Water Authority/Central Ground Water Board and copy shall be submitted to the Ministry's Regional Office.				We use water from existing bore wells as well as canal. Permission obtained from CGWA and irrigation department for industrial use





		is attached as <b>Annexure V</b>
v)	The company shall run the power plant only with gas as a fuel and only in case of non-availability of natural gas furnace oil shall be used only such period when natural gas is not available. During use of furnace oil as fuel the company shall ensure the emission of SO <sub>2</sub> as per the norms prescribed by the SPCB and height of the stacks shall be as per CPCB norms of SO <sub>2</sub> emission.	Stack Monitoring results are attached as <b>Annexure VI</b>
vi)	The company shall provide the monitoring arrangement with the stack and regular monitoring shall be carried out and reports submitted to the SPCB, CPCB and Ministry's Regional Office at Bhopal.	Monitoring arrangement with stack is provided. Monitoring results are attached as <b>Annexure VI</b>
vii)	The project authority shall obtain the membership of TSDF within three months for disposal of solid and hazardous waste and copy of the same shall be submitted to the Ministry and Ministry's Regional Office at Bhopal. The company shall maintain valid member ship.	We have already obtained membership certificate of TSDF of M/s. BEIL. <b>Annexure IX.</b>
viii)	The company shall develop 12,500 sq. m. out of the total area as green belt as per the CPCB guidelines to mitigate the effect of fugitive emissions.	We have completed the Plantation required in around 28000 sq. m. of area within our premises. We are maintaining the plantation.
ix)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Regular occupational health surveillance are carried out for worker and records are maintained as per Act and certificate from CIH is attached as <b>Annexure XIV</b>
x)	The company shall make arrangement for protection of possible fire hazards during manufacturing process in material handling.	We have provided proper arrangement for fire hazards during manufacturing process and material handling and have updated the On-site emergency plan.
<b>B. GENERAL CONDITIONS</b>		
i	The project authorities shall strictly adhere to the stipulations of the SPCB/state government or any statutory body.	We adhere to the stipulations by the GPCB and other relevant statutory body.
ii	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal form those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of condition imposed and to add additional environmental protection measures required, if any.	No further expansion or modifications in the plant will be carried out without prior approval of the Ministry of Environment and Forests
iii	The project authorities shall strictly comply with the rules and regulation under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended Authorization from the SPCB shall be obtained for collection, treatment, storage and disposal of hazardous wastes.	We will comply with the rules and regulation under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended. Waste is send to GPCB authorized vendor. Six monthly solid waste generation details enclosed in <b>Annexure VIII</b>
iv	Ambient air quality monitoring stations be set up in the downwind direction as well as where maximum ground level concentration are anticipated in consultation with the State Pollution Control Board.	Monitoring results are attached as <b>Annexure X</b>
v	For control process emissions stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided.	Adequate stack height have been provided, Stack analysis results are enclosed in <b>Annexure VI</b>
vi	The company shall undertake following Waste Minimization measures;- <ul style="list-style-type: none"> <li>• Meeting of quantities of active ingredients to minimize waste.</li> <li>• Re-use of by-products from the process as raw materials or as raw material substitutes in other processes.</li> </ul>	Packing material are recovered maximum time. Waste MEG from polymerization is recycled back in process





	<ul style="list-style-type: none"> <li>Maximizing recoveries</li> <li>Use of automated material transfer system to minimize spillage.</li> <li>Use of "Closed Feed" system into batch reactors.</li> </ul>	PTA powder during unpacking are used back Polyester melt & polyester chips are pneumatically conveyed. Additional 3 <sup>rd</sup> chipper is installed at CP-1/2 to minimize polymer waste
vii	The project authorized must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management and Handling) Rules, 2003. Authorization form the SPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.	We have already obtained authorization enclosed is <b>Annexure IX</b>
viii	The overall Noise levels in and around the plant area, shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, Silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night time)	Monitoring report are enclosed as <b>Annexure XI</b>
ix.	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental management and monitoring functions.	Our unit has a separate Environment Management Cell. Refer <b>Annexure XIII</b>
x.	Financial provisions should be made in the budget of the project for implementation of the above suggested environmental safeguards. Fund so earmarked shall not be diverted for any other purposes.	Expenditure on Environment Protection Measures already submitted.
xi.	The project authorities shall provide rainwater harvesting system and ground water recharge.	Two recharge wells are provided for rainwater harvesting system and ground water recharge.
xii.	The implementation of the project vis-a-vis environmental action plans shall be monitored by Ministry's Regional Office / SPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies.	Regularly, we send compliance status to concern authorities.
xiii.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two-local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and. a copy of the same shall be forwarded to the Ministry's Regional Office.	Complied. We had already given an advertisement in local newspaper.
xiv.	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date/of start of the project.	Complied. Details already submitted
6.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed.
7.	The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner shall implement these conditions.	The conditions are complied and accordingly report are submitted.
8.	Any appeal against this environmental clearance shall lie with the National Environmental Appellate Authority, if preferred within a period of 30 days as prescribed under section 11 of the National Environment Appellate Authority Act, 1997.	Point is noted.
9	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection), 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Point is noted.



**COMPLIANCE OF ENVIRONMENTAL CLEARANCE CORRIGENDUM MINISTRY'S LETTER**  
**NO.: F. No. J-11011/1048/2007-IA-II (I), DATED: April 25, 2008**  
**APRIL 2016-SEPTEMBER 2016**

S. NO.	CONDITIONS				REMARKS	
1	This is in continuation of this Ministry's earlier letter of even No. dated 7 <sup>th</sup> April, 2008. The matter was re-examined with respect to capacity of existing captive power plants for which representation made by you to the Ministry. In view of representation the details of existing and proposed product/facilities mentioned in para 2 of environmental clearance shall be replaced as follows:				We have obtained consolidated consent order no CCA-SRT-863(7)/ID_20700/360995, dated 28/06/2016, valid up to 31/12/2020. CC&A amendment for the Coal based Power Plant (18 MW) vide GPCB letter no.: GPCB/CCA-SRT-863(5)/ID_20700/102858, dated 25 <sup>th</sup> January 2012. CC&A Amendment for Product Mix was obtained vide GPCB letter no. CCA-SRT-863(5)/ID_20700/ 120135 dated 1 <sup>st</sup> Aug 2012. CC&A amendment for 21 MW power plant vide letter no GPCB/CCA-SRT-863(7)/ID_20700/212045 dated 3 <sup>rd</sup> May 2014. <b>Annexure - I</b> - Copy of last valid consent. Production details are as <b>Annexure II.</b>	
	S. No.	Name of Products	Production Capacity (MTA)			
			Existing	Proposed		Total
	1	Polyester Chips	1,55,000	2,37,600		3,92,600
	2	Polyester Filament Yarn				
		Partially Oriented Yarn	61,000	29,600		90,600
		Fully Drawn Yarn	-	19,900		19,900
	3	By-Products- Degraded Polymer (Oligomer)	12	15	27	
	4	Captive Power Plant (MW)	6.74	8.4	15.14	
2	All the specific and general conditions stipulated in environmental clearance order dated April 7, 2008 shall remain the same.				--	
3	This letter shall be kept attached with the original clearance letter				--	





**COMPLIANCE OF ENVIRONMENTAL CLEARANCE CORRIGENDUM MINISTRY'S  
NO.: F. No. J-11011/1048/2007-IA-II (I), (VIDE DATED: 12/03/09)  
APRIL 2016-SEPTEMBER 2016**

S. NO.	CONDITIONS	REMARKS
	Your letter no.: nil dated: 23 <sup>rd</sup> September, 2008 requesting for change in fuel in heaters from gas/FO based to coal based heaters and subsequent communication vide your letter dated: 11 <sup>th</sup> December, 2008.	--
1	The Ministry has examined the request and noted the company is proposing 2 nos. of Coal based heaters in addition to existing gas based heater facility in the proposed expansion project of polyester chips and polyester Filament yarn at village Jolwa, Taluka Palsana in district Surat in Gujarat by M/s. Garden Silk Mills Ltd.	Complied. We have received granted CC&A vide letter no.: GPCB/CCA/SRT - 863 (2)/17154, dated: 07/08/09
2	The matter was discussed in 89 <sup>th</sup> meeting of the Expert Appraisal Committee (Industry) Meeting held during 22 <sup>nd</sup> and 23 <sup>rd</sup> December, 2008. The Committee has recommended for no objection subject to that "The company shall install the ESP with the coal fired boiler to keep the emission of particulates within 100 mg/Nm <sup>3</sup> ".	Complied. We have installed the ESP to the coal fired boiler to keep the emission of particulates within limit.
3	The above recommendation of the Expert Appraisal Committee has been accepted as such for installation of 2 nos. of coal based heaters subject to the condition mentioned above and the norms as specified in the environmental clearance letter issued vide No. J-I 101 I/1048/2007-IA-II(I) dated April 7, 2008.	--
4	This has the approval of the Competent Authority.	--



**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:  
J-11011/124/2009-IA II (I), DATED: 10/06/2009  
APRIL 2016-SEPTEMBER 2016**

S. NO.	CONDITIONS	REMARKS
2.	The Ministry of Environment and Forests has examined your application. It is noted that M/s. Garden Silk Mills Ltd. have proposed for expansion of Polyester Chips and Polyester Filament Yarn manufacturing unit at Village: Jolwa, Tal.: Palsana, Dist.: Surat in Gujarat. Production capacity of Polyester Chips will increase from 3,92,600 MTPA to 5,45,600 MTPA fully drawn yarn from 19,900 MTPA to 23,000 MTPA. The Ministry has earlier accorded Environmental Clearance for the existing capacity on 7 <sup>th</sup> April, 2008. The production capacity of polyester oriented yarn will be same as 90,600 MTPA. Capacity of by-products Degraded Polymers (Oligomer) will increase from 27 MTPA to 39 MTPA. The Captive Power generation of existing and proposed plant will be 6.74 MW x 2 Nos., 8.4 MW x 1 No. and 18 MW x 1 No.; 10.5 MW x 1 No. respectively. Out of total proposed polyester chips, 23,000 MTPA will be produced by using the existing manufacturing facilities. Similarly, 3,100 MTPA of fully drawn yarn will be produced by using the existing manufacturing facilities. No eco-sensitive areas are located within 10 km radius of the plant. The proposed expansion will be within the existing unit having land area of 20 acres. Cost of the project is 13,275.00 lacs.	We have obtained consolidated consent order no CCA-SRT-863(7)/ID_20700/360995, dated 28/06/2016, valid up to 31/12/2020. CC&A amendment for the Coal based Power Plant (18 MW) vide GPCB letter no.: GPCB/CCA-SRT-863(5)/ID_20700/102858, dated 25 <sup>th</sup> January 2012. CC&A Amendment for Product Mix was obtained vide GPCB letter no. CCA-SRT-863(5)/ID_20700/ 120135 dated 1 <sup>st</sup> Aug 2012. CC&A amendment for 21 MW power plant vide letter no GPCB/CCA-SRT-863(7)/ID_20700/212045 dated 3 <sup>rd</sup> May 2014. <b>Annexure - I</b> - Copy of last valid consent. Production details are as <b>Annexure II.</b>
3.	It is noted that the water requirement will increase from 7,153 m <sup>3</sup> /d to 8,828 m <sup>3</sup> /d which will be sourced from the ground water source. The waste water generation will be 3,523.8 m <sup>3</sup> /day. The domestic effluent will be disposed through septic tank followed by soak pit. The industrial waste water will be treated in the modified effluent treatment plant. The company has existing effluent treatment plant for primary, secondary involving two stage activated sludge process and tertiary treatment facility. The company will provide additional primary and secondary treatment to the existing treatment facility for treatment of additional effluent. The final treated effluent as per the prescribed norms of GPCB/CPCB will be sent to Kadodara Khadi through own existing pipeline that finally meets the Arabian Sea.	We use water from existing bore wells as well as canal. The final treated effluent is sent to Kadodara Khadi as per prescribed norms of GPCB. Analysis report for raw and treated effluent and ETP sludge is enclosed as <b>Annexure III.</b>
4.	Power requirement will be met through Captive Power Plant. One coal based boiler 90 TPH of capacity, one fuel oil fired thermic fluid heating system of 40 Kcal/capacity and one FO engine has been installed. Fuel for the boiler would be 288-360 MTPD of imported/Indian coal and 78 TPD of furnace oil for fuel oil engine and heat transfer fluid system (3 heaters). About 0.34 MTPD of lubricant oil will be used as fuel.	We have obtained consolidated consent order no CCA-SRT-863(7)/ID_20700/360995, dated 28/06/2016, valid up to 31/12/2020. CC&A amendment for the Coal based Power Plant (18 MW) vide GPCB letter no.: GPCB/CCA-SRT-863(5)/ID_20700/102858, dated 25 <sup>th</sup> January 2012. CC&A Amendment for Product Mix was obtained vide GPCB letter no. CCA-SRT-863(5)/ID_20700/ 120135 dated 1 <sup>st</sup> Aug 2012. CC&A amendment for 21 MW power plant vide letter no GPCB/CCA-SRT-863(7)/ID_20700/212045 dated 3 <sup>rd</sup> May 2014.
5.	To control the particulate emissions from the coal fired boiler,	Monitoring copy is enclosed





S. NO.	CONDITIONS	REMARKS
	electrostatic precipitators with stack height of 90 meter is proposed. Stack height of 60 meter is proposed for FO engine and stack height of 52 meter for Heat Transfer Fluid (common stack for 3 heaters) for dispersion of gaseous emission. To control the fugitive emission, all process pumps, reactors and treatment vessels would have mechanical seals. To strip off gases, stripper columns and off gas treatment tower will be provided. Fly ash conveyers from ESP hopper to silos would be totally enclosed.	herewith as <b>Annexure VI</b> APC system and Adequate stack height has been provided. Fugitive emission (workplace ambient air) monitoring results are enclosed in <b>Annexure VII</b>
6.	Solid waste generation will be in the form of lubricant oil (1,050 MT/Year existing and 0.5 MT/Year, proposed) and HFO sludge (1.2 MT/Year, proposed) will be sold MoEF authorized reproprocessors. Catalyst drum lot or additive drum (220 Nos./Month, existing and 140 Nos./Month, proposed) and PP liner lot (150 kg/month, existing and 4.5 MT/M, proposed) will be sold to GPCB authorized vendors. ETP sludge (10.55 MT/M existing and 2.5 MT/M proposed) will be disposed at M/s. NEPL (Naroda Enviro Projects Ltd.). Polymer waste (5.5 MT/M existing and 40 MT/M, proposed). Chip waste (69 MT/M, existing and 6 MT/M, proposed), sweeping PTA waste lot (12 MT/M, existing and 10 MT/M proposed), FDY-waste (17.5 MT/M, existing) and POY-waste (13.2 MT/M, existing) will be sold to actual end users. The quantity of the polymer waste may be varying due to power failure and break down. Ash (9 MTPD existing and 38-60 MTPD, proposed) will be sold to end-user like RMC (Ready Mix Concrete) plant operators, brick manufacturers, concrete block manufacturers and cement manufacturers etc.	We send our total hazardous/solid waste to TSDF of M/s. BEIL, Ankleshwar, Membership certificate enclosed in <b>Annexure IX</b> Discarded containers will be sold to GPCB authorized Vendors. Polymer waste, Chip waste, Sweeping PTA waste lot, FDY-waste and POY-waste will be sold to actual end users. Fly Ash sold to end-user like RMC (Ready Mix Concrete) plant operators & cement manufacturers etc. last six months Solid waste generation Refer <b>Annexure VIII</b>
7.	The Petrochemical based processing units are listed at Serial No. 5(e) of schedule of EIA Notification, 2006 and categorized under "A" or "B" category depending upon the location of the plant outside or inside the notified industrial area. In the instant case the unit is located outside the notified industrial area, hence it is "A" Category project. The Expert Appraisal Committee (I) considered the project in its 93 <sup>rd</sup> meeting held on 14-16 <sup>th</sup> April, 2009 and committee recommended the proposal for grant of environmental clearance as per para 7(ii) of EIA Notification, 2006 exempting the project from public hearing.	--
8.	Based on the information submitted by the project proponent, the Ministry Environment and Forests hereby accords environmental clearance to above project under the provisions of EIA Notification, dated 14 <sup>th</sup> September 2006 subject to the compliance of the following Specific and General Conditions.	--
<b>A.</b>	<b>SPECIFIC CONDITIONS :</b>	
i)	The company shall install full-fledged ETP to comply with the GPCB norm for discharge of effluent into sea and all necessary clearances shall also be obtained. The company shall construct a guard pond for treated effluent and shall carry out the bioassay test by collecting the treated effluent into the guard pond before discharging into Khadi. The reports shall be submitted to CPCB and Ministry's Regional Office at Bhopal.	Full-fledged ETP in our premises to bring GPCB prescribed norms. We have constructed a Guard Pond for treated effluent. Analysis report by third party is enclosed as <b>Refer Annexure III</b>
ii)	The water consumption shall not exceed 8, 828 m <sup>3</sup> /d and waste water generation shall not exceed 3,523 m <sup>3</sup> /d. The company shall install the waste water monitoring facility and records shall be maintained.	Water consumption is always below or equal as per given limits from the board. Water consumption and waste water generation of last six months are enclosed in <b>Annexure IV</b>
iii)	The company shall obtain permission for drawl of ground water from the Central Ground Water Authority/Central Ground Water Board as may be applicable and copy shall be submitted to the Ministry's Regional Office.	We have already obtained permission from Irrigation department to take water for industrial use, having capacity of 1,438 KL/Day and also obtained permission





S. NO.	CONDITIONS	REMARKS
		from CGWA enclosed in <b>Annexure V</b> . Monitoring and analysis report of water quality in study area <b>Annexure X</b> .
iv)	Particulate emissions from the coal fired boiler and coal fired heaters shall be controlled by installation of electrostatic precipitators and emissions shall be dispersed through stack of adequate height as per CPCB standards. During use of furnace oil as fuel the company shall ensure the emission of SO <sub>2</sub> as per the norms prescribed by the SPCB and height of the stacks shall be as per CPCB norms. The company shall provide the monitoring agreement with the stack and regular monitoring shall be carried out and reports submitted to the SPCB, CPCB and Ministry's Regional Office at Bhopal.	We have provided adequate stack height and installed electrostatic precipitators to control emission. We ensure you that our norms will not be increased then the GPCB prescribed norms. Monitoring results reports enclosed in <b>Annexure VI</b> .
v)	The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the State Pollution Control Board. The pollutant levels namely, SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	We will regularly update it. Monitoring details are as <b>Annexure VI &amp; VII</b>
vi)	Fugitive emissions in the work zone environment, product, and raw material storage area shall be regularly monitored. The emissions shall confirm to the limits imposed by SPCB.	Point is noted. Please refer <b>Annexure VII</b>
vii)	The project authorities shall strictly comply with the rules and regulation and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules 1989 as amended Authorization from the SPCB shall be obtained for collection, treatment, storage and disposal of hazardous wastes.	The rules and regulation and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules 1989 as amended Authorization from the SPCB are obtained for collection, treatment, storage and disposal of hazardous wastes. Details of last six months hazardous waste are attached in <b>Annexure VIII</b>
viii)	The project authority shall obtain the membership of TSDF within three months for disposal of solid and hazardous waste and copy of the same shall be submitted to the Ministry and Ministry's Regional Office at Bhopal. The company shall maintain valid member ship.	We have already obtained membership of TSDF of M/s. BEIL, Ankleshwar for the disposal of Solid/ Hazardous waste details attached in <b>Annexure IX</b>
ix)	The company shall develop 12,500 sq. m. out of the total area as green belt as per the CPCB guidelines to mitigate the effect of fugitive emissions.	We have completed the Plantation required in around 28000 sq. m. of area within our premises. We are maintaining the plantation.
x)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Regular medical check-up has been carried out for workers and records are maintained
xi)	The company shall make arrangement for protection of possible fire hazards during manufacturing process in material handling.	We have provided proper arrangement for fire hazards during manufacturing process in material handling and have updated the On-site emergency plan.
<b>B.</b>	<b>GENERAL CONDITIONS</b>	
i)	The project authorities shall strictly adhere to the stipulations made by the SPCB/state government or any statutory body.	We adhere to the stipulations by the GPCB and other relevant statutory body.
ii)	No further expansion or modifications in the plant shall be carried	No further expansion or





S. NO.	CONDITIONS	REMARKS
	out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required. If any.	modifications in the plant will be carried out without prior approval of the Ministry of Environment and Forests. We have obtained consolidated consent order no CCA-SRT-863(7)/ID_20700/360995, dated 28/06/2016, valid up to 31/12/2020. CC&A amendment for the Coal based Power Plant (18 MW) vide GPCB letter no.: GPCB/CCA-SRT-863(5)/ID_20700/102858, dated 25 <sup>th</sup> January 2012. CC&A Amendment for Product Mix was obtained vide GPCB letter no. CCA-SRT-863(5)/ID_20700/ 120135 dated 1 <sup>st</sup> Aug 2012. CC&A amendment for 21 MW power plant vide letter no GPCB/CCA-SRT-863(7)/ID_20700/212045 dated 3 <sup>rd</sup> May 2014.
iii)	At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restated until the desired efficiency has been achieved.	We ensure that in the event of failure of any pollution control system adopted by the unit, the unit will be immediately put out of operation.
iv)	The gaseous emissions (NO <sub>x</sub> , SO <sub>2</sub> and SPM) and Particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control systems(s) adopted by the unit, the respective to achieve the desired efficiency. Stack monitoring for SO <sub>2</sub> , NO <sub>x</sub> and SPM shall be carried.	Stack Monitoring results reports enclosed in <b>Annexure VI</b>
v)	The gaseous emissions (NO <sub>x</sub> , SO <sub>2</sub> and SPM) and Particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control systems(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Stack monitoring for SO <sub>2</sub> , NO <sub>x</sub> and SPM shall be carried.	We have provided adequate stack height to control process emission. Stack monitoring details as <b>Annexure VI</b>
vi)	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the up wind and downwind direction as well as where maximum ground level concentrations are anticipated.	Ambient monitoring results are attached as <b>Annexure X</b>
vii)	The Overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dbA (day time) and 70 dbA (night time).	Noise levels in and around plant are attached as <b>Annexure XI</b>
viii)	The project proponent shall also comply with all the environment protection measures and safeguards proposed in the project report submitted to the Ministry. All the recommendations made in respect of environmental management measures project shall be implemented.	Complying with all the environment protection measures and safeguards. All the recommendations made in respect of environmental management measures





S. NO.	CONDITIONS	REMARKS
		project shall be implemented.
ix)	The company will undertake all relevant measures for improving the Socioeconomic conditions of the surrounding area CSR activities will be undertaken by involving local villages and administration.	CSR activities are carried out and are Complied.
x)	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	We undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
xi)	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up carry out the Environmental Management and Monitoring functions.	We have provided our separate environment management cell.
xii)	The a project authorities shall earmark adequate funds to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implantation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Funds are earmarked to implement the EMP.
xiii)	The implementation of project vis-à-vis environmental action plans shall be monitored by concerned Regional Office of the Ministry/SPCB/CPCB A six monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.	Regularly, we send compliance status to concern authorities.
xiv)	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation, Urban local Body and the local NGO, if any from who suggestions/ representations if any were receives while processing the proposal.	Done on issuance to letter
xv)	The project proponent shall also submit six monthly status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the State Pollution Control Board.	Regularly, we send compliance status to concern authorities.
xvi)	The project proponent shall inform the public that project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with SPCB/Committee and may also be seen at Website of the Ministry at <a href="http://envfor.nic.in">http://envfor.nic.in</a> This shall be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Company had already given notice in the local news papers regarding Environmental Clearance. It has been advertised in one Gujarati news paper "Sandesh" and one English news paper "Times of India" dated 22/06/09 and we have informed GPCB and MOEF, too.
xvii)	The project authorities shall inform the regional Office as well as the Ministry, the date of financial closure and final approval of the concerned authorities and the date of start of the project.	Financial closure - 5 <sup>th</sup> Jan 2011 & project is already commenced and Valid CC&A is already obtained from the GPCB.
9.	The Ministry revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory	Point is noted.
10.	The Ministry reserves the right to stipulate additional conditions, if found necessary the company in a time bound manner will implement conditions.	Point is noted.
11.	Any appeal against this environmental clearance shall lie with the National Appellate Authority, if preferred within a period of 30 days as prescribed under section 11 of the National Environment Appellate Authority Act, 1997	Point is noted.
12.	The above conditions will be enforced, inter-alia the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of water Pollution) Act, 1981 the Environment (Protection) Act, 1986 Hazardous Wastes (Management and Handling) Rules, 2003/ 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Point is noted.





**COMPLIANCE OF AMENDMENT ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER**  
**NO.: J-11011/124/2009-IA II (I), DATED 24<sup>TH</sup> JULY 2012**  
**APRIL 2016-SEPTEMBER 2016**

S. NO.	CONDITIONS	REMARKS
1	This is in continuation of this Ministry's letter of even no. dated 10.06.2009 and your subsequent communication dated 5.02.2012, 24.04.2012 and 23.05.2012 requesting the Ministry for amendment of environmental clearance dated 10.06.2009 due to increase in the coal requirement from 288-360 MTPD to 328-360 MTPD.	--
2	It is noted that in para 4 of environmental clearance of even no. dated 10.06.2009, that fuel requirement for the boiler has been mentioned as 288-360 TPD of Imported/Indian coal. The quantity of coal as per the environmental clearance was based on the following Gross Calorific Value (GCV): i. Gross Calorific Value (GCV) of imported coal 5500kcal/kg and quantity of coal for the 12 TPH boiler = 288 TPD ii. Gross Calorific Value (GCV) of Indian Coal/ lignite = 3800 kcal/kg, Quantity of coal for the 15 TPH boiler = 360 TPD	--
3	However, the GCV of actual imported coal received is 3800 kcal/kg and coal requirement is 410 TPD. Due to non availability of Indian coal, company proposes to use lignite along with Indian coal for which the GCV is 3300 kcal/kg. The coal requirement would be 450 TPD. Since the import of coal and coal mining is closed in monsoon season, there is fluctuation in coal availability and hence, it is proposed to use petcoke (20%) as a fuel in combination with Lime (20%) with normal 80% Imported / Indian coal / lignite (328-360 TPD) so that captive power plant can run on full capacity. The company has installed electrostatic precipitator to control the particulate emissions To control the SO <sub>2</sub> emissions; it is proposed to use 20 % of lime mix with Petcoke.	We are not using Petcoke, only Coal and lignite is used as fuel for power plant.
4	The proposal was placed before the Expert Appraisal Committee-1 (Industry) in its meeting held during 29th-30th March, 2012 (p. 326/c). After detailed deliberations, the Committee recommended for amendment in the above environmental clearance to increase the requirement of coal from 288 - 360 MTPD to 328-360 MTPD (80% imported / Indian coal / lignite) and / or to use Petcoke (20% of Petcoke - 90 MTPD and 18 MTPD of lime).	We are not using Petcoke, only Coal and lignite is used as fuel for power plant
5	The Ministry accepts the recommendation of EAC -1 (Industry) for amendment in the above environmental clearance in respect of increase in the coal requirement from 288 - 360 MTPD to 328-360 MTPD (80% imported / Indian coal / lignite) and / or to use Petcoke (20% of Petcoke - 90 MTPD of pet coke and 18 MTPD of lime) as mentioned in para 4 of environmental clearance dated 10.06.2009 subject to stipulation of following additional safeguards:	We are not using Petcoke, only Coal and lignite is used as fuel for power plant
	i. To control the SO <sub>2</sub> emissions, lime shall be used. The emissions shall be scrubbed with caustic scrubber.	Not applicable
	ii. Fly ash shall be utilized as per the Fly Ash utilization Notification, 1999 and as amended in 2009	Refer <b>Annexure VIII</b>
	iii. Data on ambient air, stack and fugitive emissions shall be regularly submitted online to Ministry's Regional office at Bhopal, SPCB and Central Pollution Control Board as well as hard copy once in six months and display data on PM <sub>10</sub> , SO <sub>2</sub> and NO <sub>x</sub> outside the premises at the appropriate place for the general public.	Display board is placed visible to general public Refer <b>Annexure VI,VII and X</b>
	iv. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826 (E) dated 16 <sup>th</sup> November, 2009 shall be followed.	Refer <b>Annexure VII</b>
	v. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MOEF the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at	We will submit six monthly reports on regular basis.





S. NO.	CONDITIONS	REMARKS
	Bhopal/CPCB/SPCB shall monitor the stipulated conditions.	
vi.	The environmental statement for each financial year ending 31 <sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.	Form V is shown in <b>Annexure XII</b>
vii.	The Company shall submit within three months their policy towards Corporate Environment Responsibility which should inter-alia address (i) Standard operating process/ procedure to being into focus any infringement/deviation/violation of environmental or forest norms/conditions. (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non compliance/violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders	Please refer <b>Annexure XIII</b>
6	The company shall comply with all the conditions stipulated vide Ministry's letter of even no. dated 10.6.2009. In future, in case of change in the scope of the project, the company shall obtain fresh environmental clearance.	Noted
	This issue with approval of the Competent Authority.	--



**COMPLIANCE OF AMENDMENT ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER**  
**NO.: J-11011/624/2010-IA II (I), DATED 10<sup>TH</sup> MAY 2013**  
**APRIL 2016-SEPTEMBER 2016**

S. NO.	CONDITIONS	REMARKS																																																																						
1	This has reference to your letter no. Nil dated 25.6.2012 along with copies of EIA/EMP report seeking environment clearance under the provisions of EIA Notification, 2006.	--																																																																						
2	The Ministry of Environment and Forests has examined the application for the above project. It is noted that M/s Garden Silk Mills Limited has proposed for expansion of Polyester Stable Fibre and Captive Power Plant (CPP) at Village Jolwa, Taluka Palsana, District Surat, Gujarat. Proposed expansion project is located outside the Notified Industrial Area. The total land requirement for the proposed plant is 36395.4 m <sup>2</sup> (3.63 Ha). The power requirement will be met from the CPP. Coal requirement for the CPP would be met from M/s. Adani Enterprises Limited. The total cost of the project will be Rs. 277.3 Crores, Rs.6 Crores and Rs.95 Lakhs will be earmarked towards total capital cost and recurring cost/annum for environmental pollution control measures	--																																																																						
3	<p>The existing and the proposed configuration are given below:</p> <table><tr><th>S. No</th><th>Name of Products</th><th>Existing (MTPA)</th><th>Proposed (MTPA)</th><th>Total (MTPA)</th></tr><tr><td>1.</td><td>Polyester Chips</td><td>3,33,524</td><td>--</td><td>3,33,524</td></tr><tr><td>2.</td><td>Polyester Filament Yarn (PFY)</td><td>--</td><td>--</td><td>--</td></tr><tr><td>a.</td><td>Partially Oriented Yarn (POY)</td><td>2,28,192</td><td>--</td><td>2,28,192</td></tr><tr><td>b.</td><td>Fully Drawn Yarn (FDY)</td><td>97,484</td><td>--</td><td>97,484</td></tr><tr><td>3.</td><td>Poly Staple Fiber (PSF)</td><td>--</td><td>1,08,000</td><td>1,08,000</td></tr><tr><td colspan="2"><b>Total (TPA)</b></td><td><b>6,59,200</b></td><td><b>1,08,000</b></td><td><b>7,67,200</b></td></tr><tr><td>4.</td><td><b>By-Products</b></td><td></td><td></td><td></td></tr><tr><td>a.</td><td>Degraded Polymer (Oligomer)</td><td>39</td><td>10</td><td>49</td></tr><tr><td>5.</td><td><b>Electric Power</b></td><td></td><td></td><td></td></tr><tr><td>a.</td><td>N. G. Based Captive Power Plant</td><td></td><td></td><td></td></tr><tr><td></td><td>i. Phase - I &amp; II (MW)</td><td>13.49 (2 X 6.745)</td><td>--</td><td>13.49 (2X 6.745)</td></tr><tr><td></td><td>ii. Phase-III (MW)</td><td>8.4</td><td>--</td><td>8.4</td></tr><tr><td>6.</td><td>Coal Based Captive Power Plant</td><td>18</td><td>21</td><td>39 MW</td></tr></table>	S. No	Name of Products	Existing (MTPA)	Proposed (MTPA)	Total (MTPA)	1.	Polyester Chips	3,33,524	--	3,33,524	2.	Polyester Filament Yarn (PFY)	--	--	--	a.	Partially Oriented Yarn (POY)	2,28,192	--	2,28,192	b.	Fully Drawn Yarn (FDY)	97,484	--	97,484	3.	Poly Staple Fiber (PSF)	--	1,08,000	1,08,000	<b>Total (TPA)</b>		<b>6,59,200</b>	<b>1,08,000</b>	<b>7,67,200</b>	4.	<b>By-Products</b>				a.	Degraded Polymer (Oligomer)	39	10	49	5.	<b>Electric Power</b>				a.	N. G. Based Captive Power Plant					i. Phase - I & II (MW)	13.49 (2 X 6.745)	--	13.49 (2X 6.745)		ii. Phase-III (MW)	8.4	--	8.4	6.	Coal Based Captive Power Plant	18	21	39 MW	<p>We have obtained consolidated consent order no CCA-SRT-863(7)/ID_20700/360995, dated 28/06/2016, valid up to 31/12/2020.</p> <p>CC&amp;A amendment for <b>deletion of PSF</b> vide letter No. GPCB/CCA/SRT-863(7)/ID_20700/333334, dated 01/12/2015.</p> <p>CC&amp;A amendment for the Coal based Power Plant (18 MW) vide GPCB letter no.: GPCB/CCA-SRT-863(5)/ID_20700/102858, dated 25<sup>th</sup> January 2012.</p> <p>CC&amp;A Amendment for Product Mix was obtained vide GPCB letter no. CCA-SRT-863(5)/ID_20700/ 120135 dated 1<sup>st</sup> Aug 2012.</p> <p>CC&amp;A amendment for 21 MW power plant vide letter no GPCB/CCA-SRT-863(7)/ID_20700/212045 dated 3<sup>rd</sup> May 2014.</p> <p><b>Annexure - I</b> - Copy of last valid consent.</p> <p>Production details are as <b>Annexure II.</b></p>
S. No	Name of Products	Existing (MTPA)	Proposed (MTPA)	Total (MTPA)																																																																				
1.	Polyester Chips	3,33,524	--	3,33,524																																																																				
2.	Polyester Filament Yarn (PFY)	--	--	--																																																																				
a.	Partially Oriented Yarn (POY)	2,28,192	--	2,28,192																																																																				
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	ii. Phase-III (MW)	8.4	--	8.4																																																																				
6.	Coal Based Captive Power Plant	18	21	39 MW																																																																				
4	The power requirement of 21 MW for the proposed expansion which will be met from the coal based captive power plant. D.G. sets (1x200 KVA and 1x500 KVA) will be used as a standby arrangement.	Power generation details are shown in <b>Annexure II</b>																																																																						
5	It is noted that to control the air emissions the unit will install Electro Static Precipitator to control air pollutants. The stacks will be attached to the air pollution control equipments to disperse the air pollutants to the satisfactory levels. Preventive maintenance of air pollution control equipment will be done regularly. A thick greenbelt is developed all around the plant boundary to act as noise attenuator. Water sprinkling will be done to control the dust emissions.	ESP is attached to stack of Power plant. Regular preventive maintenance of ESP is carried out o avoid major beak done. Green belt is developed. Water sprinkling is carried out regularly.																																																																						
6	The total water requirement for the proposed expansion will be 3291 m <sup>3</sup> /day, which will be met through Canal water. The wastewater	The water requirement is shown <b>Annexure IV,</b>																																																																						





S. NO.	CONDITIONS	REMARKS
	generation is 1350.6 m <sup>3</sup> /day which will be treated in the Effluent Treatment Plant.	permission from irrigation department is shown in <b>annexure V</b> .
7	It is noted that all hazardous wastes will be handled carefully and stored in scientifically designed and constructed hazardous waste storage area within the premises. The empty containers of hazardous raw materials and Used/spent oil will be sent to GPCB registered dealer. The ETP sludge shall be sent to TSDF site for disposal through covered vehicle and process waste shall be sold to end-users.	Separate hazardous waste storage area is prepared. Details waste generation shown in <b>Annexure VIII</b>
8	All the manmade fibres manufacturing (Rayon) are listed at S. No. 5(d) under Category 'A' of the Schedule of EIA Notification, 2006 and appraised at the Central level.	-
9	The proposal was considered by the Reconstituted Expert Appraisal Committee (Industry) in its 4 <sup>th</sup> meeting held during 8-9 <sup>th</sup> January, 2013. The Committee recommended the proposal for environmental clearance subject to stipulation of specific conditions along with other environmental conditions. Public Hearing / Public Consultation meeting was conducted by the Gujarat Pollution Control Board on 7.6.2012.	-
10	Based on the information submitted by you, presentation made by you and your consultant M/s En-vision Enviro Engineers Ltd., Surat, the Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September 2006 subject to strict compliance of the following Specific and General conditions:	-
<b>A.</b>	<b>SPECIFIC CONDITIONS:</b>	
i.	Electro Static Precipitator shall be installed to control particulate emission from the coal fired heater. The gaseous emissions from the coal fired heater shall be dispersed through stack of adequate height and emissions shall conform to the prescribed standards.	ESP is installed at CFH, the stack emission details are shown in <b>Annexure VI</b>
ii.	The sulphur and ash content in the coal to be used in the captive power plant shall not exceed 0.5% and 6-8% respectively. The Gross Calorific Value of coal shall not be less than 3900 kcal/kg. In case of variation of coal quality at any point of time, fresh reference shall be made to the Ministry for amendment of the condition, whenever necessary.	We ensure of using coal with specified Sulphur and ash content. Coal with 3900 GCV will be used.
iii.	Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30th May, 2008 and regularly monitored. Guidelines / Code of Practice issued by the CPCB should be followed.	Workplace emission monitoring and results are shown in <b>Annexure VII</b>
iv.	The total water requirement shall not exceed 3291 m <sup>3</sup> /day and permission shall be obtained to draw the canal water from the State irrigation department.	Water requirement is shown in <b>Annexure IV</b>
v.	The process effluent shall be treated in the effluent treatment plant. After primary and secondary treatment, the treated effluent shall be discharged into Kadodara Khadi through pipeline after confirming to the prescribed standards. Water from polystaple fibre unit shall be used for green belt development.	Details of characteristics of raw effluent and treated effluent is shown in <b>Annexure III</b>
vi.	Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	Two recharge wells are provided for rainwater harvesting system and ground water recharge.
vii.	Risk & Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the Ministry's Regional Office at Bhopal, SPCB and CPCB within 3 months of issue of environment clearance letter.	Risk and DMP is prepared will be submitted through separate letter.
viii.	As proposed, green belt shall be developed in 33 % of the total land area. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.	Green belt development has been done in the project area. Around 460 trees has been planted out.
ix.	Occupational health surveillance of the workers should be carried out as per the prevailing Acts and Rules.	Regular occupational health surveillance are carried out





S. NO.	CONDITIONS	REMARKS
		for worker and records are maintained as per Act and certificate from CIH is attached as <b>Annexure XIV</b>
x.	At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program should be ensured accordingly in a time bound manner.	CSR activity carried out for the last year is shown in <b>Annexure XV</b>
xi.	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Necessary infrastructure was provided during construction phase
<b>B.</b>	<b>GENERAL CONDITIONS:</b>	
i.	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 <sup>th</sup> November, 2009 should be followed.	Monitoring of ambient air within study area of project site has been carried the results are shown in <b>annexure X</b>
ii.	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board and the State Government.	Noted and following the stipulation in NOC and CC&A
iii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Noted
iv.	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, SO2 and NOx are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhopal and the SPCB/CPCB once in six months.	Data on ambient air quality and stack emission are shown in <b>annexure VI</b> and <b>annexure X</b>
v.	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 <sup>th</sup> May, 1993 and 31 <sup>st</sup> December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	The final treated effluent is sent to Kadodara Khadi as per prescribed norms of GPCB. Analysis report for raw and treated effluent and ETP sludge is enclosed as <b>Annexure III</b>
vi.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Noise monitoring within premises at different location was carried out and results are shown in <b>annexure XI</b>
vii.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Regular occupational health surveillance are carried out for worker and records are maintained as per Act and certificate from CIH is attached as <b>Annexure XIV</b>
viii.	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Two recharge wells are provided for rainwater harvesting system and ground water recharge.
ix.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	CSR activity carried out for the last year is shown in <b>Annexure XV</b>
x.	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry	Funds are earmarked to implement the EMP.





S. NO.	CONDITIONS	REMARKS
	of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhopal. The funds so provided shall not be diverted for any other purpose.	
xi.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	We have informed to the concerned. Clearance letter is updated on website.
xii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF at Bhopal. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical Sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	We will submit six monthly reports on regular basis. Display is near the main gate of the company
xiii.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhopal / CPCB / SPCB shall monitor the stipulated conditions.	We will submit six monthly reports on regular basis.
xiv.	The environmental statement for each financial year ending 31st March in Form-V, as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Bhopal by e-mail.	Form V is shown in <b>Annexure XII</b>
xv.	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Bhopal.	Company had already given notice in the local news papers regarding Environmental Clearance. It has been advertised in one Gujarati news paper "Dhabkar" and one English news paper "Times of India" dated 22/05/13 and we have informed to the regional office at Bhopal.
xvi.	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	CA certificate for the same is enclosed as <b>Annexure XVI</b>
10.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Point noted.
11.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Point noted.
12.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.	Point noted.



## LIST OF ANNEXURE

Annexures	Particulars
Annexure I	Copy of last valid consent
Annexure II	Production details for last six months
Annexure III	ETP, Raw and treated water analysis report, Bioassay test report for guard pond and ETP sludge analysis report
Annexure IV	Fresh Water Consumption and effluent generation for last six months
Annexure V	Water permission from Canal Water & CGWA for Ground water
Annexure VI	Stack Monitoring Reports
Annexure VII	Analysis report of Workplace Air Monitoring
Annexure VIII	Solid waste generation in last six months
Annexure IX	Membership certificate with BEIL, Ankleshwar
Annexure X	Ambient air quality and Ground and surface water monitoring report in study area
Annexure XI	Noise monitoring report
Annexure XII	Environment Statement (Form-V)
Annexure XIII	Policy for Corporate Environment Responsibility
Annexure XIV	Certificate of Occupational Health Surveillance
Annexure XV	CSR project and its details
Annexure XVI	CA certificate financial closure





## COPY OF LAST VALID CONSENT



## GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN  
Sector 10-A, Gandhinagar 382 010  
Phone : (079) 23226295  
Fax : (079) 23232156  
Website : www.gpcb.gov.in

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule 3(c) & 5(5) of the Hazardous Waste (Management and Handling & Trans boundary Movement) Rules-2008 framed under the Environmental (Protection) Act-1986. This Board is empowered to Grant CC&A.

And whereas Board has received consolidated consent application letter No. 105815 dated:- 28/03/2016 for the Consolidated Consent and Authorization (CC & A) of this Board under the provisions / rules of the aforesaid Acts. Consents & Authorization are hereby granted as under:

## CONSENTS AND AUTHORISATION:

(Under the provisions/rules of the aforesaid environmental acts)

To,  
M/s. Garden Silk Mills Ltd.(Cp. Div)  
Plot no:- 196,197,124/A,202-S,225/7,229,230,  
Jolwa:- 394705,  
Tal:- Palsana, Dist:- Surat.

- Consent Order No. AWH-79190 Date of issue: 25/05/2016
- The consents shall be valid up to 31/12/2020 for the use of outlet for the discharge of treated effluent & air emission and to operate industrial plant for manufacture of the following items/ products:

Sr. No.	Product	Total Quantity
1)	Polyester Chips	3,33,524 MT/Year
2)	Polyester Staple Fiber	1,08,000 MT/Year
2)	Polyester Filament Yarn	
a)	FDY	97,404 MT/Year
b)	POY	2,28,192 MT/Year
3)	Power	
a)	(1) N.G. Based Power Plant (Phase I & II)	13,490 MW
	(2) N.G. Based Power Plant (Phase III)	8.4 MW
b)	Coal Based Power Plant	39 MW
4)	By Product Degraded Polyester (Oligomer)	39 MT/Year

## 3. CONDITIONS UNDER THE WATER ACT:

3.1 The quantity of trade effluent from the factory shall not exceed 4799 KL/day.

The quantity of Domestic effluent from the factory shall not exceed 76 KL/Day.

M/s. Garden Silk Mills Ltd.(Cp. Div)(ID\_20700)

**Clean Gujarat Green Gujarat**

ISO-9001-2008 & ISO-14001 - 2004 Certified Organisation



## 3.3 TRADE EFFLUENT:

- 3.3.1. The applicant shall provide adequate effluent treatment system so that effluent from the industrial unit shall conform to the GPCB norms mentioned below.

PARAMETERS	GPCB NORMS
PH	6.5 TO 8.5
Suspended Solids	100 mg/l
Oil and Grease	10 mg/l
Total Dissolved Solids	2100 mg/l
Phenolic Compounds	1 mg/l
Sulphides	2.0 mg/l
Ammonical Nitrogen	50 mg/l
Total Chromium	2 mg/l
Hexavalent Chromium	0.1 mg/l
BOD (5 days at 20°C)	30 mg/l
COD	100 mg/l
Chlorides	600 mg/l
Sulphate	1000 mg/l

- 3.3.2. The treated effluent conforming to the above standards shall be discharged in to Kadodara khadi through closed pipeline (own operated) up to final discharge point as per commitment made vide your letter dated: 01/07/2004 to this board. The permission of competent authority like NIO shall be obtained in this respect.

- 3.3.3 Domestic effluent shall be disposed off through septic tank/soak pit system.

## 4. CONDITIONS UNDER THE AIR

- 4.1 The following shall be used as a fuel.

Sr. No.	Fuel	Quantity
1	Coal	1449 MT/Day
2	Natural Gas	16,50,792 SM <sup>3</sup> /Month
3	Lubricating Oil	0.340 MT/Day
4	Engine Oil	210 KL/Day

- 4.2 The applicant shall install & operate comprehensive adequate air pollution Control system in order to achieve prescribed norms.

- 4.2.1 The Stack gas emission through stack attached to Boiler/D.G. Set shall conform to the following standards:

Stack No.	Stack attached to	Stack height in Meter	Air Pollution Control System	Parameters	Permissible Limit
	Coal fired Heaters - PSF - 1 No.	45	Electrostatic Precipitator	Particulate Matter SO <sub>2</sub> NO <sub>x</sub>	150 mg/NM <sup>3</sup> 100 ppm 50 ppm

M/s. Garden Silk Mills Ltd.(Cp. Div)(ID\_20760)





2	Cool fired Heaters CP-4/5 - 1 No. with WHRB	52	Electrostatic Precipitator	Particulate Matter SO <sub>2</sub> NO <sub>x</sub>	150 mg/NM <sup>3</sup> 100 ppm 50 ppm
3	Steam Boiler (93 TPH, 90 TPH)	81 (common stack)	Electrostatic Precipitator	Particulate Matter SO <sub>2</sub> NO <sub>x</sub>	150 mg/NM <sup>3</sup> 100 ppm 50 ppm

4.2.2. There shall be no Process emission. From the manufacturing process as well as any other ancillary process.

4.2.3 The concentration of the following parameters in the ambient air within the premises of the industry and a distance of 10 meters from the source) other than the stack/vent) shall not exceed the following levels.

PARAMETER	PERMISSIBLE LIMIT
Particulate matter <sub>PM<sub>10</sub></sub>	100 Microgram Per cubic meter
PM <sub>2.5</sub>	60 Microgram Per cubic meter
Oxides of Sulphur	80 Microgram Per cubic meter
Oxides of Nitrogen	80 Microgram Per cubic meter

4.2.4 The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/displayed to facilitate identification.

4.2.5. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75dB(A) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6 a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

#### 5. GENERAL CONDITIONS:-

5.1 Any change in personnel, equipment or working conditions as mentioned in the consents form/letter should immediately be intimated to this Board.

5.2 Applicant shall also comply with the general conditions given in annexure I.

5.3 If it is established by any competent authority that the damage is caused due to their industrial activities to any person or his property, in that case they are obliged to pay the compensation as determined by the competent authority.

#### 6. AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES Form-2 (See rule 3 (c) & 5 (5))

M/s. Garden Silk Mills Ltd.(Cp. Div)(ID\_20700)



*[Handwritten signature]*

# ANNEXURE - I (Cont.)

6.1 Number of authorization No: AWB-79196 Date of issue: 25/05/2016

6.1.1. M/s. Garden Silk Mills Ltd.(Cp. Div) is hereby granted an authorization to operate facility for following hazardous wastes on the premises situated at: Plot no-196,197,124/A,202-5,225/7,229,230, Jolwa- 394705, Tal:- Pabana, Dist:- Surat.

Sr. No.	Waste	Quantity	Schedule-I Process No.	Facility
1	ETP Waste	180.6 MT/Year	34.3	collection, storage, transportation and disposed at GPCB approved TSDF Site.
2	Used Oil	5.25 MT/Year	5.1	collection, storage, transportation disposal by selling to GPCB approved registered Re-refiners.
3	Discarded Containers/ Barrels/Liners	72.9 MT/Year	33.3	collection, storage, Decontamination

6.1.2 The authorization is granted to operate a facility for collection, storage, within the factory premises transportation and ultimate disposal of Hazardous Waste at GPCB approved TSDF Site.

6.1.3 The authorization shall be valid up to: 31/12/2020

6.1.4 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act-1986 and Haz. Waste (M & H and T) Rules 2008.

## 6.1.5 TERMS AND CONDITIONS OF AUTHORIZATION :

- The applicant shall comply with the provisions of the Environment (Protection) Act - 1986 and the rules made there under.
- The authorization shall be produced for inspection at the request of an officer authorized by the Gujarat Pollution Control Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous wastes without obtaining prior permission of the Gujarat Pollution Control Board.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the authorization order by the persons authorized shall constitute a breach of this authorization.
- It is the duty of the authorized person to take prior permission of the Gujarat Pollution Control Board to close down the facility.
- An application for the renewal of an authorization shall be made as laid down in rule 5(2)(ii).
- Industry shall have to manage waste oil, discarded containers etc. as per amended rules 2003.
- Industry shall submit annual report within 15 days and subsequently by 31<sup>st</sup> January every year.

M/s. Garden Silk Mills Ltd.(Cp. Div)(ID\_20700)





ANNEXURE - I (Cont.)

7. Industry shall have to display the relevant information with regard to hazardous waste as indicated in the Supreme Court's order in W.P. No.657 of 1995 dated 14<sup>th</sup> October 2003.
8. Industry shall have to display on-line data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emissions and solid hazardous wastes generated within the factory premises.

For and on behalf of  
Gujarat Pollution Control Board

  
(K.C.Mistry)

Senior Environmental Scientist  
Dt : \_\_\_/\_\_\_/2016

NO: CCA-SRT-863(7); ID\_20700/

Issued to:  
M/s. Garden Silk Mills Ltd.(Cp. Div)  
Plot no:- 196,197,124/A,202-5,225/7,229,230,  
Jolwa:- 394705,  
Tal:- Palsana, Dist:- Surat.

Outward No:360995,28/06/2016

M/s. Garden Silk Mills Ltd.(Cp. Div)(ID\_20700)



## ANNEXURE - II

**PRODUCTION DETAILS FOR LAST SIX MONTHS:-**

S. No.	Product	MONTH					
		April 2016	May 2016	June 2016	July 2016	August 2016	September 2016
1.	Polyester Chips (MT)	17105.20	16286.97	13882.35	13420.00	12407.86	13804.06
2.	POY (MT)	6593.43	6165.85	5454.35	6308.81	6738.63	6193.44
3.	FDY (MT)	3435.75	2935.57	2195.35	3066.51	3688.90	3504.74
4.	CPP (MW) (Power generation)	26891	23012	25251	25981	27920	27297





## ANNEXURE - III

**ANALYSIS REPORT OF INLET AND OUTLET OF ETP:-**

S. No.	Parameter	Unit	Limit (Outlet)	Results for Month: April 2016					
				ETP 1		ETP 2		ETP CPP	
				Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
				Date	Date	Date	Date	Date	Date
				08-04-2016	08-04-2016	08-04-2016	08-04-2016	06-04-2016	06-04-2016
1	pH	pH Unit	6.5 - 8.5	8.16	8.22	3.70	8.40	8.44	8.42
2	Temperature	° C	40	32.0	32.0	38.0	36.0	31.0	31.0
3	Color	Pt. Co Scale	100	35.0	30.0	30.0	25.0	25.0	20.0
4	Total Suspended Solids	mg / l	100	38.0	24.0	20.0	22.0	24.0	28.0
5	Total Dissolved Solids	mg / l	2100	1652	2012	360	1984	6724	1984
6	Biochemical Oxygen Demand for 3 days at 27°C	mg / l	30	45.0	27.0	1800	15.0	21.0	12.0
7	Chemical Oxygen Demand	mg / l	100	128	96.0	5248	48.0	64.0	32.0
8	Oil & Grease	mg / l	10	1.10	ND	2.10	ND	--	ND
9	Ammonical Nitrogen	mg / l	50	0.56	ND	0.84	ND	--	ND
10	Phenolic Compounds	mg / l	1.0	0.10	ND	0.68	ND	--	ND
11	Chlorides (as Cl <sup>-</sup> )	mg / l	600	699.78	592	60.0	578	2639.11	584
12	Sulphate (as SO <sub>4</sub> <sup>-</sup> )	mg / l	1000	142	224	42.0	240	620	640
13	Sulphide (as S <sup>-</sup> )	mg / l	02	ND	ND	ND	ND	--	ND
14	Hexavalent Chromium	mg / l	0.1	ND	ND	ND	ND	--	ND

ND - Not Detectable



**ANALYSIS REPORT OF INLET AND OUTLET OF ETP:-**

S. No.	Parameter	Unit	Limit (outlet)	Results for Month: May 2016					
				ETP 1		ETP 2		ETP CPP	
				Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
				Date	Date	Date	Date	Date	Date
				20-05-2016	20-05-2016	20-05-2016	20-05-2016	05-05-2016	05-05-2016
1	pH	pH Unit	6.5 - 8.5	7.51	8.43	3.38	8.36	8.40	8.43
2	Temperature	° C	40	32.0	32.0	32.0	32.0	31.0	31.0
3	Color	Pt. Co Scale	100	40.0	25.0	30.0	35.0	20.0	20.0
4	Total Suspended Solids	mg / l	100	82.0	30.0	14.0	24.0	38.0	20.0
5	Total Dissolved Solids	mg / l	2100	3364	1980	188	2012	4672	2014
6	Biochemical Oxygen Demand for 3 days at 27°C	mg / l	30	630	6.0	2400	27.0	60.0	27.0
7	Chemical Oxygen Demand	mg / l	100	1920	16.0	1780	96.0	176	96.0
8	Oil & Grease	mg / l	10	--	--	--	--	--	ND
9	Ammonical Nitrogen	mg / l	50	--	--	--	--	--	ND
10	Phenolic Compounds	mg / l	1.0	--	--	--	--	--	ND
11	Chlorides (as Cl <sup>-</sup> )	mg / l	600	1070	572	30.0	588	1800	586
12	Sulphate (as SO <sub>4</sub> <sup>-</sup> )	mg / l	1000	280	220	15.0	140	408	290
13	Sulphide (as S <sup>-</sup> )	mg / l	02	--	--	--	--	--	ND
14	Hexavalent Chromium	mg / l	0.1	--	--	--	--	--	ND

ND- Not Detectable





## ANNEXURE - III (Cont.)

**ANALYSIS REPORT OF INLET AND OUTLET OF ETP:-**

S. No.	Parameter	Unit	Limit (Outlet)	Results for Month: June 2016					
				ETP 1		ETP 2		ETP CPP	
				Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
				Date	Date	Date	Date	Date	Date
				20-06-2016	20-06-2016	20-06-2016	20-06-2016	16-06-2016	16-06-2016
1	pH	pH Unit	6.5 - 8.5	7.61	7.95	7.18	7.90	8.55	8.41
2	Temperature	<sup>o</sup> C	40	32.0	32.0	32.0	32.0	32.0	32.0
3	Color	Pt. Co Scale	100	30.0	25.0	35.0	20.0	25.0	20.0
4	Total Suspended Solids	mg / l	100	52.0	38.0	28.0	24.0	28.0	38.0
5	Total Dissolved Solids	mg / l	2100	3974	2014	3100	1990	5374	2012
6	Biochemical Oxygen Demand for 3 days at 27 <sup>o</sup> C	mg / l	30	225	18.0	1170	29.0	60.0	15.0
7	Chemical Oxygen Demand	mg / l	100	688	64.0	3552	96.0	192	48.0
8	Oil & Grease	mg / l	10	--	--	--	--	--	ND
9	Ammonical Nitrogen	mg / l	50	--	--	--	--	--	ND
10	Phenolic Compounds	mg / l	1.0	--	--	--	--	--	ND
11	Chlorides (as Cl <sup>-</sup> )	mg / l	600	1639	588	1150	594	1979	578
12	Sulphate (as SO <sub>4</sub> <sup>-</sup> )	mg / l	1000	285	320	250	350	400	580
13	Sulphide (as S <sup>-</sup> )	mg / l	02	--	--	--	--	--	ND
14	Hexavalent Chromium	mg / l	0.1	--	--	--	--	--	ND

ND- Not Detectable



## ANNEXURE - III (Cont.)

**ANALYSIS REPORT OF INLET AND OUTLET OF ETP:-**

S. No	Parameter	Unit	Limit (Outlet)	Results for Month: July 2016					
				ETP 1		ETP 2		ETP CPP	
				Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
				Date	Date	Date	Date	Date	Date
				19-07-2016	19-07-2016	19-07-2016	19-07-2016	13-07-2016	13-07-2016
1	pH	pH Unit	6.5 - 8.5	9.93	7.20	9.07	7.76	9.31	8.42
2	Temperature	° C	40	32.0	32.0	32.0	32.0	32.0	32.0
3	Color	Pt. Co Scale	100	40.0	30.0	40.0	60.0	30.0	20.0
4	Total Suspended Solids	mg / l	100	44.0	32.0	30.0	56.0	78.0	54.0
5	Total Dissolved Solids	mg / l	2100	1796	2016	3018	2084	4162	2042
6	Biochemical Oxygen Demand for 3 days at 27°C	mg / l	30	675	15.0	135	27.0	9.0	6.0
7	Chemical Oxygen Demand	mg / l	100	2064	48.0	432	88.0	32.0	16.0
8	Oil & Grease	mg / l	10	2.10	ND	1.10	ND	--	ND
9	Ammonical Nitrogen	mg / l	50	ND	ND	ND	ND	--	ND
10	Phenolic Compounds	mg / l	1.0	0.22	ND	ND	ND	--	ND
11	Chlorides (as Cl <sup>-</sup> )	mg / l	600	680	588	1149	592	1289	592
12	Sulphate (as SO <sub>4</sub> <sup>-</sup> )	mg / l	1000	145	310	260	150	320	610
13	Sulphide (as S <sup>-</sup> )	mg / l	02	ND	ND	ND	ND	--	ND
14	Hexavalent Chromium	mg / l	0.1	ND	ND	ND	ND	--	ND

ND- Not Detectable





## ANNEXURE - III (Cont.)

**ANALYSIS REPORT OF INLET AND OUTLET OF ETP:-**

S. No.	Parameter	Unit	Limit (Outlet)	Results for Month: August 2016					
				ETP 1		ETP 2		ETP CPP	
				Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
				Date	Date	Date	Date	Date	Date
				20-08-2016	20-08-2016	20-08-2016	20-08-2016	08-08-2016	08-08-2016
1	pH	pH Unit	6.5 - 8.5	8.63	8.07	7.86	8.47	8.73	8.36
2	Temperature	° C	40	32.0	32.0	32.0	32.0	32.0	32.0
3	Color	Pt. Co Scale	100	40.0	95.0	80.0	70.0	140	60.0
4	Total Suspended Solids	mg / l	100	30.0	60.0	58.0	42.0	40.0	32.0
5	Total Dissolved Solids	mg / l	2100	3540	1988	3260	1486	1904	1988
6	Biochemical Oxygen Demand for 3 days at 27°C	mg / l	30	27.0	9.0	150	24.0	10.0	6.0
7	Chemical Oxygen Demand	mg / l	100	96.0	24.0	464	80.0	32.0	16.0
8	Oil & Grease	mg / l	10	--	--	--	--	--	ND
9	Ammonical Nitrogen	mg / l	50	--	--	--	--	--	ND
10	Phenolic Compounds	mg / l	1.0	--	--	--	--	--	ND
11	Chlorides (as Cl <sup>-</sup> )	mg / l	600	1759	568	1380	584	490	592
12	Sulphate (as SO <sub>4</sub> <sup>-</sup> )	mg / l	1000	270	264	248	110	130	285
13	Sulphide (as S <sup>-</sup> )	mg / l	02	--	--	--	--	--	ND
14	Hexavalent Chromium	mg / l	0.1	--	--	--	--	--	ND

ND- Not Detectable



## ANNEXURE - III (Cont.)

**ANALYSIS REPORT OF INLET AND OUTLET OF ETP:-**

S. No.	Parameter	Unit	Limit (Outlet)	Results for Month: September 2016					
				ETP 1		ETP 2		ETP CPP	
				Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
				Date	Date	Date	Date	Date	Date
				28.09.2016	28.09.2016	28.09.2016	28.09.2016	24.09.2016	24.09.2016
1	pH	pH Unit	6.5 - 8.5	7.44	8.27	7.80	8.23	7.93	8.01
2	Temperature	° C	40	31.0	31.0	31.0	31.0	31.0	31.0
3	Color	Pt. Co Scale	100	50.0	25.0	40.0	40.0	30.0	20.0
4	Total Suspended Solids	mg / l	100	52.0	38.0	40.0	32.0	38.0	32.0
5	Total Dissolved Solids	mg / l	2100	2750	1690	2364	2040	4930	2040
6	Biochemical Oxygen Demand for 3 days at 27°C	mg / l	30	150	27.0	1050	21.0	48.0	21.0
7	Chemical Oxygen Demand	mg / l	100	464	88.0	3280	64.0	160	64.0
8	Oil & Grease	mg / l	10	--	--	--	--	--	ND
9	Ammonical Nitrogen	mg / l	50	--	--	--	--	--	ND
10	Phenolic Compounds	mg / l	1.0	--	--	--	--	--	ND
11	Chlorides (as Cl <sup>-</sup> )	mg / l	600	1059	569	860	579	2269	584
12	Sulphate (as SO <sub>4</sub> <sup>-</sup> )	mg / l	1000	190	222	210	173	430	450
13	Sulphide (as S <sup>-</sup> )	mg / l	02	--	--	--	--	--	ND
14	Hexavalent Chromium	mg / l	0.1	--	--	--	--	--	ND

ND- Not Detectable





## ANNEXURE - III (Cont.)

**ANALYSIS REPORT OF (FISH POND)**

S. No.	Parameter	Unit	Limit (Outlet)	Results					
				April	May	June	July	August	September
				08.04.2016	20.05.2016	20.06.2016	19.07.2016	20.08.2016	28.09.2016
1	pH	pH Unit	6.5 - 8.5	8.41	8.32	7.93	7.93	8.39	8.35
2	Temperature	° C	40	32.0	32.0	32.0	32.0	32.0	31.0
3	Color	Pt. Co Scale	100	25.0	40.0	40.0	60.0	50.0	30.0
4	Total Suspended Solids	mg/L	100	62.0	32.0	40.0	24.0	64.0	48.0
5	Total Dissolved Solids	mg/L	2100	2008	2042	2046	1984	2036	2014
6	Biochemical Oxygen Demand for 3 days at 27°C	mg/L	30	27.0	21.0	27.0	27.0	24.0	9.0
7	Chemical Oxygen Demand	mg/L	100	96.0	64.0	96.0	90.0	80.0	32.0
8	Oil & Grease	mg/L	10	ND	--	--	ND	--	--
9	Ammonical Nitrogen	mg/L	50	ND	--	--	ND	--	--
10	Phenolic Compounds	mg/L	1.0	ND	--	--	ND	--	--
11	Chlorides (as Cl <sup>-</sup> )	mg/L	600	582	566	576	592	582	574
12	Sulphate (as SO <sub>4</sub> <sup>-</sup> )	mg/L	1000	252	142	260	180	262	266
13	Sulphide (as S <sup>-</sup> )	mg/L	02	ND	--	--	ND	--	--
14	Hexavalent Chromium	mg/L	0.1	ND	--	--	ND	--	--

ND- Not Detectable



## ANNEXURE - IV

## FRESH WATER CONSUMPTION AND EFFLUENT GENERATION FOR LAST SIX MONTHS

Product	Month (Avg. M <sup>3</sup> /Month)					
	April 2016	May 2016	June 2016	July 2016	August 2016	September 2016
<b>Water consumption</b>						
Production (CP) KL	97608	99315	96626	100082	84579	108732
Power plant KL	92692	81696	91298	96785	96764	92393
<b>Wastewater generation</b>						
Production (CP) KL	8732	9805	9486	13115	13199	11778
Power plant KL	22538	19057	21749	22399	23409	22621





ANNEXURE V

ગાર્ડન બીલ્ડ સિમિટેડ, ઝોનવા, તા. પલસાણા, જિ. સુરતને  
ચાલતી પ્રાંતી આરટી ૧૨.૩૫ પરથી પાણી ઉપક્રમણી  
તેમજ નહેરની સંપાદિત જમીનમાં નહેરને સમાંતર પાઈપલાઈન  
પસાર કરવાની સૈદ્ધાંતિક પરવાનગી આપવા બાબતે

૧૩૧૯  
૨૮/૧૦/૧૦

મુલદાસ સરકાર  
નર્મદા, જળસંપત્તિ, પાણી પુરવઠા અને કમ્પસર વિભાગ,  
કાર્ય ક્રમાંક: ૬૫૨૫૫૮/૨૦૧૦/૧૧/પી  
રાધિકાશ્વ, માંધીનગર  
તા. ૧૧/૧૨/૨૦૧૦

10 DEC 2010	
દિ. નં.	૧૮૭૨
જ. ક.	
ક. મ.	② MIC
જ. મ.	મિ. જી
જા. નં.	૧૮૭૨

સંબંધિત લીધાં:-

- (૧) અધીક્ષક ઇન્જનેરી, સુરત સિંચાઈ વર્તુળ, સુરતના પત્રો ક્રમાંક:  
(અ) સુસિંચ/પીબી-૨/૬૫૨૫૫૮/ગાર્ડન સિલ્ક બિલ્ડ/૪૭૮/૨૦૦૫, તા. ૫/૫/૨૦૧૦.  
(બ) સુસિંચ/પીબી-૨/૬૫૨૫૫૮/ગાર્ડન સિલ્ક/૧૦૭૪/૧૧.૩૩, તા. ૨૮/૧૦/૨૦૧૦.  
(૨) ગાર્ડન સિલ્ક બીલ્ડ સિમિટેડનો કાર્યપાલક ઇન્જનેરી, સુરત નહેર વિભાગ, સુરતને સંબંધિત  
લખેલ તા. ૨૨/૧૦/૨૦૦૯નો પત્ર.

કારણ

સુરત સિંચાઈ વર્તુળ હસ્તાક્રમ કાર્યપાલક ઇન્જનેરી, સુરત નહેર વિભાગના કાર્યોરેશન ગાર્ડન સિલ્ક  
બીલ્ડ સિમિટેડને તેમની કંપનીના સુરત વિભાગના મોઢે: એળવા, તા. પલસાણા, જિ. સુરત ખાતેના બ્લોક  
નં. ૨૦૨, ૧૦૧ પર આવેલ તેમના પ્લાન્ટ પાસેથી પસાર થતી ૧૨ આર સમ પાઈપોર એકા મલખાણ  
પ્રાંતમાંથી પીપીએસ્ટર પાઈપાઈન અને વાર્ષિક ૫૨૫૦૦૦ લિટર પાણી આપવા માટે સંદર્ભ (૨)  
સામેના પત્રથી માંગણી કરેલ છે. સંબંધિત અધીક્ષક ઇન્જનેરી, સુરત સિંચાઈ વર્તુળ, સુરત એ સંદર્ભ (૧)  
સામે દર્શાવેલ પત્રોથી ૨૪ કોલ અભિપ્રાય અહેવાલમાં કંપનીના ઉક્ત સર્વે નંબરથી ૧૨૮૦ મીટર દૂર આવેલ  
મલખાણ પ્રાંતની આરટી ૧૨.૩૫ પરથી દૈનિક ૧૪૩૮.૩૫ લિટર (૦.૩૧૧ એમ.સી.ડી) પાણી ઉપક્રમણી  
પરવાનગી આપવા તેમજ તે પાણી ઉપક્રમણના હેતુથી નહેરની સંપાદિત જમીનમાં નહેરને સમાંતર  
પાઈપલાઈન પસાર કરવાની પરવાનગી આપવા બાબતેલ છે.

ઉક્ત કંપનીએ કરેલ માંગણી સંબંધે અધીક્ષક ઇન્જનેરી, સુરત સિંચાઈ વર્તુળ, સુરત એ સંદર્ભ (૧) સામે  
દર્શાવેલ પત્રથી ૨૪ કોલ બાબતેલ સહિતના અભિપ્રાય અહેવાલમાં દર્શાવેલ બાબતોને ધ્યાને લઈને, તે  
સંબંધે ચર્ચેલ વિચારણાને અંતે, ગાર્ડન સિલ્ક બીલ્ડ સિમિટેડને કંપનીના ઉક્ત સર્વે નંબરથી ૧૨૮૦ મીટર દૂર  
આવેલ આમણા પ્રાંતની આરટી ૧૨.૩૫ પાસેથી દૈનિક ૧૪૩૮.૩૫ લિટર (૦.૩૧૧ એમ.સી.ડી) પાણીનો  
જમીન કંપનીના સ્વખર્ચે ઉપક્રમણ માટે આ વિભાગના તા. ૩/૨/૨૦૦૭ના કાર્ય ક્રમાંક: ૬૫૨૫૫૮/૨૦૦૫/  
૪૧/પી ની રાસતોને આધીન તેમજ અધીક્ષક ઇન્જનેરીના જવામાં દર્શાવેલ વિભાગ/સત્તાનું  
મુસ્તપણે પાલન કરવાની રાસતે સૈદ્ધાંતિક મંજૂરી આપવામાં આવે છે.

પાણી ઉપક્રમણની આ સૈદ્ધાંતિક પરવાનગી સંબંધે વાસ્તવિક રીતે પાણી ઉપક્રમણ પહેલાં નીચે  
દર્શાવેલ સત્તાનું મુસ્તપણે પાલન કરવાનું હશે.



(1) પાણી ઉપાડવાં પહેલાં માન્ય સંસ્થાનું બોટરમીટર ચુકવવાનું હોય તે તેમજ તે બોટરમીટરનું દર વર્ષે કેલીબ્રેશન કરાવી લેવાનું રહેશે અને તે બાબતે વિભાગીય કચેરી કક્ષાએ નિર્ધારિત ખર્ચા કરી લેવાની રહેશે.

(2) આ સાથે સાથે જ સરનામાના મુદ્દાઓ, નીચે દર્શાવેલ બાબતોને ધ્યાને લઈને દિન-૧૫માં સહીસિક્કા કરાવી લેવાના રહેશે.

૧. કરાર કરતી વખતે મુસદ્દામાંની ખાલી જગ્યાઓ ભરત જ પૂરી લેવી.
૨. ઉક્ત કંપનીએ કરારનામા પર સહીસિક્કા કરવા માટે અધિકૃત કરેલ હોય તેવા અધિકૃત અને સક્ષમ અધિકારી સાથે જ સહીસિક્કા કરવાના રહેશે.
૩. અગ્રેથી મંજૂર કરવામાં આવેલ કારનામાના મુદ્દાઓ સરકારથીની પૂર્વમંજૂરી વિના કોઈપણ મુદ્દામાં/વધારા/કેદાર કરવા નહિ.
૪. સહીસિક્કા થયેલ કારનામાની એક નકલ અને ચોકલથી અને પ્રમાણિત કરવા કે સહીસિક્કા થયેલ કરારનામું સરકારે મંજૂર કરેલ મુસદ્દા મુજબ જ છે.

૩. આર્ડન સિલ્ક મિલ્ક લિમિટેડને પાણી ઉપાડવાની ઉક્ત સૈદ્ધાંતિક પરવાનગી સંબંધે તે પાણી ઉપાડવાના હેતુથી જ ગયથાણા બ્લોક નહેરની ૧૨ અને સબ મહાનોરની સંપાદિત જમીનમાં ચારડી ૪.૨ થી ૧૨૮૦ મીટરની લંબાઈમાં નહેરને સમકોર , કંપનીના સ્વખર્ચે પાઈપલાઈન પસાર કરવા નીચેની શરતોને આધીન સૈદ્ધાંતિક પરવાનગી આપવામાં આવે છે.


- (૧) મુજરાત બ્લોકે બાંધકામ નિયમ સંક્રમમાં જણાવ્યા મુજબ તેમજ સરકારથીના આ બાબતમાં વખતોવખતના પરિપત્રમાં જણાવેલ બાબતોને ધ્યાને રાખવાની રહેશે તેમજ પરિપત્ર ક્રમિકા ડબલ્યુડીઆર/૧૦૬૩/૧૦૮૩/૨૧/પી. તા.૮/૪/૦૯ ની શરતોનું તેમજ સમયોત્તર પ્રસિદ્ધ થતી મુજનામ્હેનું મુજતાપરો પાલન કરવાનું રહેશે.
- (૨) નોટીફાઈડ થયેલ ન હોય તેવી નદીઓ માટે મહેસૂલ વિભાગનો સંપર્ક કરવાનો રહેશે. વિભાગ દ્વારા નોટીફાઈડ થયેલ ન હોય તેવી નદીઓના કોલિંગ માટે અગ્રેથી મંજૂરી આપી શકાય નહીં.
- (૩) સંબંધિત અધીક્ષક ઉબનેરથીએ પરચેખાની જાસરણી કરીને વધુ માત્ર કોલિંગ માટે આવક દરખાસ્ત કરવાની રહેશે.
- (૪) જરૂર પાઈપ લાઈન કોલિંગ થી દરખાસ મોજના કે ચુકિત મોજના કે નહેરને કોઈ વિપરીત બહાર ચાલી નથી તે બાબતની સક્ષમ કક્ષાએ ખર્ચા કરાવી લેવાની રહેશે.
- (૫) કોલિંગ ટીક નિયતપાત્ર પરવાનગી અધીક્ષક ઉબનેરથીએ નિયત પરકમાં જૂઠાણવાની રહેશે. તથા પરવાનગેદાર સાથે જરૂરી કરારનામું પણ નિયત ફી લઈને અવગથી કરવાનું રહેશે.
- (૬) પ્રધાનમંત્રી આતેખન તંત્રનો અગિયારમો મેળાવાનો હોય તેમજ મધ્યમ આદેખન તંત્ર દ્વારા અધાપેલ મુજનો/અગિયારમો ધ્યાને લઈ સલાખતીની તમામ જવાબદારી સંબંધિત ખેડનામીની રહેશે.
- (૭) અધીક્ષક ઉબનેરથીની દરખાસ્તમાં દર્શાવેલ શરતોનું પાલન કરવાનું રહેશે.
- (૮) સંબંધિત વિસ્તારમાં જનાર કોઈપણ વિકાસ કામ સરકારના કામો સંબંધે કોઈપણ કોલિંગનો ફટ બદલવાની જરૂર જણાય ત્યારે, ઉક્ત કંપનીએ તેના ખર્ચે અને બેખર્ચે વિના વિલંબે ફટ બદલવાનો રહેશે, જે બાબતે સરકારથીની કોઈપણ પ્રકારની જવાબદારી રહેશે નહીં. આ બાબતનો સ્પષ્ટ વિગ્રેખ કરારનામામાં મોખ રીતે કરવાનો રહેશે.





(ii) આ કોમિશનના હયાત સભ્યે એ કે જેનીએ તેમની રાજીનામું આપ્યું, પદો પૂર્ણાવધિના અંતે, પદાંત, સંપાદિત અને સ્પષ્ટ વિધાનો દ્વારા જાહેર નોંધપાત્ર ન અને તે સિતે અગત્યના ગોચર.

ગુજરાતના રાજ્યપાલના હુકમથી અને તેમના નામે,



(સી. એન. પટેલ)

વિપરિવાસ/અગત્યના

નર્મદા, જ. મં. જ. કુ. અને કલપસર વિધાન

સિદ્ધાંત ઉપર મુદ્રા

અને,

✓ પદોના ઉપ-નિર્ણય,

સુભા સિંઘાલ જર્જન,

અઢવા સાઈન, મુગલ.

નકલ રવાના: ( નકલ અને સરકારી કાર્યાલયો અને

• કાર્યાલય ઉપર નોંધ,

સુભા નોંધ વિભાગ,

સિંધાઈ ભવન, અઢવા સાઈન, મુગલ.

• પ્રિન્સિપલ, ગ્રામીન સિલ પિલ્લ સિંધાઈ, સહાય મંડ, સુભા કલપ લાડ.

• સેલેક્ટ કાર્યાલય.

Page 5 of 10



Garden Silk Mills Limited, Jolwa, Taluka Palsana, District Surat  
Regarding permission in principle of parallel pipeline for lifting  
water besides the canal in the acquired land for canal from  
Chalthan Branch Ardi 62.35

## GOVERNMENT OF GUJARAT

Narmada, Water, Water Quantity and Kalpasar Department

Resolution No. WTR/2010/11/P

Sachivalay, Gandhinagar

Date: 14.12.2010

1311/2010

Date 10 Dec 2010

No. - 1977

A.E.

A.M.18/12

Branch: PB-2

Read:-

(1) Superintendent Engineer, Surat Irrigation Circle, Surat Letter  
No. (a) SSV/PB-2/WTR/Garden Silk Mills/438/2895 dt.

5.5.2010

(b) SSV/PB-2/WTR/Garden Silk Mills/074/6677 dt. 28.10.2010

(2) Letter written by Garden Silk Mills Limited to Executive  
Engineer, Surat Canal Region, Surat dt. 22.10.2009

Order:-

Garden Silk Mills Limited had asked to obtain 525000 cubic  
meters of water per annum from 12 R Sub Minor Ex Chalthan  
Branch canal for production of Polyester Yarn through a letter (2)  
to Executive Engineer, Surat Canal Division under the Surat  
Region of Irrigation Circle. With respect to it the Superintending  
Engineer had sent his recommendations to allow lifting of 1438.35  
Cubic Meter (0.36M.G.D.) per day from Chalthan Branch Ardi  
about 1280 Meters away from the said company and to lay a  
parallel pipeline in the land acquired for canal purpose.

2. Perusing the recommendations of the Superintendent  
Engineer, Surat Irrigation Circle Surat Letter (1) and his opinion,  
after discussion, subject to the conditions/details shown in the  
letter of Superintendent Engineer, Surat permission in principle is  
given to Garden Silk Mills Limited Company to lift 1438.35 Cubic  
Metres (0.316 M.G.D) daily from Chalthan Branch RD 62.35  
about 1280 meters at their own expenses vide Resolution dt.  
3.2.2007 bearing No. WTR/2005/41/P.

Before lifting water actually by this permission following  
conditions have to be strictly followed.





(1) Before lifting water, water meter of recognized body must be installed and this water meter is to be calibrated each year and must be approved by the divisional office.

(2) Considering the following points the attached agreement is to be executed within fifteen days

- (1) At the time of agreements the blanks are to be filled.
- (2) Execution by the officer of the company is to be done by the authorized signatory only.
- (3) No changes are to be made in the agreement without prior permission of Government
- (4) Certified copy of the agreement is to be sent here and it must be according to the draft sent by government.

3. Subject to conditions, Garden Silk Mills Limited is given permission in principle for laying a parallel pipe line from 4.2 RD to 1280 meters parallel to the canal from Chalthan Branch Canal R Sub Minor from the acquired land, at their own expenses.

(1) Will have to keep in mind the provisions of Gujarat Public Construction Rules and the circulars of the State from time to time and will have to follow the conditions mentioned in Circular No. WTR/1097/1083/22/P dt.8.4.09 and the conditions that may be published then after.

(2) For the rivers not notified Revenue Department is to be contacted. For crossing the rivers not notified, permission cannot be given from here.

(3) After checking the line by concerned Superintending Engineer, a separate application must be given.

(4) It must be verified by competent levels that by this pipe line crossing no present or proposed plan is adversely affected.

(5) Superintending Engineer shall have to give separate permissions per crossings and will have to execute separate agreements for it by charging prescribed fee.

(6) Will have to obtain opinion of the Central Draft Commission and considering its opinion all the responsibility will be of the concerned agency.

(7) Will have to follow the conditions mentioned in the application to Superintending Engineer.



own expenses and Government will not be responsible in whatsoever way. This is to be specifically mentioned in the agreement.

(9) At all the crossings, company shall have to put up boards bearing name of company, nature of pipeline, length etc. such that it does not abstract.

By and in the name of the Governor

SD/-

V.N. Patel

Deputy Sachive (Water Resources)

Narmada W., W. W and Kalpasar Department

Enclosures : As above

To

Superintending Engineer

Surat Irrigation Circle

Athwathines Surat

Cc: (For information )

Executive Engineer

Surat Canal Division

Sinchai Phavan,

Athwa Lines Surat

Director Garden Silk Mills Limited, Sahara Gate

Surat 395010

Select File







भारत सरकार  
केन्द्रीय भूमि जल प्राधिकरण  
जल संसाधन मंत्रालय

Government of India  
Central Ground Water Authority  
Ministry of Water Resources

Regional Director

CGWA/IND/Prop/2011-1145

No.21-4(875)/WCR/CGWA/2011-1361

Dated :-

To,

M/s Garden Silk Mills Ltd.  
Garden Mills Compound,  
Sahana Gate, Surat- 395010  
Gujarat.

08 NOV 2011

08 NOV 2011

Sub:- NOC for ground water withdrawal by M/s Garden Silk Mills Ltd., (CP Division - Jolwa) in respect of their proposed expansion of polyester chips and filament yarn production and setting up of captive power plant (phase IV), at village Jolwa, Plot No. 202-5, 225-7, 229, 230, 195, 197 & 124 A, Tehsil Palsana, District Surat, Gujarat - reg.

Sir,

Kindly refer to your letter dated 25.8.2009 on the above cited subject. Based on recommendations of Regional Director, Central Ground Water Board, West Central Region, Ahmedabad vide their office letter no. T/8(9)/WCR/CGWB/11-1402 dated 8.08.11 and further deliberations on the subject, the NOC of Central Ground Water Authority is hereby accorded to M/s Garden Silk Mills Ltd., (CP Division - Jolwa) in respect of their proposed expansion of polyester chips and filament yarn production and setting up of captive power plant (phase IV), at village Jolwa, Plot No. 202-5, 225-7, 229, 230, 195, 197 & 124 A, Tehsil Palsana, District Surat, Gujarat. The NOC is, however, subject to the following conditions:-

1. The firm may abstract 1675 cu/day of ground water (in addition to the existing ground water withdrawal of 7153 m<sup>3</sup>/day and not exceeding the cumulative extraction of ground water of 3066800 m<sup>3</sup>/year) through existing seven (7) and proposed four (4) tubewells only. No additional ground water abstraction structures to be constructed for this purpose without prior approval of the CGWA.
2. The wells to be fitted with water meter by the firm at its own cost and monitoring of ground water abstraction to be undertaken accordingly on regular basis, at least once in a month. The ground water quality to

West Block - 2, Wing - 3, Sector - 1, H.K. Puram, New Delhi - 110066  
Tel: 011-26175362, 26175373, 26175379 • Fax: 011-26175369  
Website: www.cgwa.gov.in, www.mwr.gov.in

संरक्षित जल - सुरक्षित जीवन  
CONSERVE WATER - SAVE LIFE



be monitored twice in a year, during pre-monsoon and post monsoon periods.

3. M/s Garden Silk Mills Ltd., shall, in consultation with the Regional Director, Central Ground Water Board, West Central Region, Ahmedabad implement ground water recharge measures to the tune of 1.00,000 m<sup>3</sup>/year, for augmenting the ground water resources of the area.
4. The photographs of the recharge structures after completion of the same are to be furnished immediately to the Regional Director, Central Ground Water Board, West Central Region, Ahmedabad for verification and under intimation to this office.
5. The firm at its own cost shall install piezometers at suitable locations and execute ground water regime monitoring programme in and around the project area on regular basis in consultation with the Central Ground Water Board, West Central Region, Ahmedabad.
6. The ground water monitoring data in respect of S. No. 2 & 5 to be submitted to Central Ground Water Board, West Central Region, Ahmedabad on regular basis at least once in a year.
7. The firm shall ensure proper recycling and reuse of waste water after adequate treatment.
8. Action taken report in respect of S. No. 1 to 7 may be submitted to CGWB within one year period.
9. The permission is liable to be cancelled in case of non-compliance of any of the conditions as mentioned in S. No. 1 to 8.

Yours faithfully,

  
Regional Director

Copy for information to:

1. The Director (I. A. Division), Ministry of Environment and Forests, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi-110003.
2. The Member Secretary, Gujarat Pollution Control Board, Sector-18 A, Gandhinagar 382043, Gujarat.
3. The Regional Director, Central Ground Water Board, West Central Region, Ahmedabad. This has referred to your letter no. T/845/WCR/CGWB/314-1462 dated 8.08.11.
4. To Chairman, Central Ground Water Board, Bhujal Bhawan, Gandhinagar.

Regional Director





**ANALYSIS REPORT OF STACK:-****Month: July 2016**

S. No.	Parameters	Unit	Stack Location		
			Heater (CP- 1, 2)	Heater (CP - 4, 5)	Thermal Power Plant
			19.07.2016	19.07.2016	19.07.2016
1	Fuel		Coal	Coal	Coal
2	Temperature of Flue Gas	$^{\circ}\text{C}$	131	127	131
3	Average Flue Gas Velocity	m/sec	5.74	5.66	5.62
4	Suspended Particular Matter	mg/Nm <sup>3</sup>	143.4	109.4	62.6
5	NO <sub>x</sub>	ppm	6.70	5.70	5.40
6	SO <sub>2</sub>	ppm	26.4	23.7	26.2

**Month: August 2016**

S. No.	Parameters	Unit	Stack Location		
			Heater (CP- 1, 2)	Heater (CP - 4, 5)	Thermal Power Plant
			20.08.2016	20.08.2016	20.08.2016
1	Fuel		Coal	Coal	Coal
2	Temperature of Flue Gas	$^{\circ}\text{C}$	133	129	133
3	Average Flue Gas Velocity	m/sec	5.72	5.64	5.66
4	Suspended Particular Matter	mg/Nm <sup>3</sup>	139.8	114.6	66.2
5	NO <sub>x</sub>	ppm	6.10	5.40	5.10
6	SO <sub>2</sub>	ppm	27.1	24.3	25.8

**Month: September 2016**

S. No.	Parameters	Unit	Stack Location		
			Heater (CP- 1, 2)	Heater (CP - 4, 5)	Thermal Power Plant
			28.09.2016	28.09.2016	28.09.2016
1	Fuel		Coal	Coal	Coal
2	Temperature of Flue Gas	$^{\circ}\text{C}$	131	126	135
3	Average Flue Gas Velocity	m/sec	5.68	5.61	5.71
4	Suspended Particular Matter	mg/Nm <sup>3</sup>	141.2	109.5	69.4
5	NO <sub>x</sub>	ppm	5.70	5.10	5.90
6	SO <sub>2</sub>	ppm	26.2	22.4	26.2



**ANNEXURE - VII**

**ANALYSIS REPORT OF WORKPLACE AIR MONITORING:-**

**Month: April 2016**

S. No.	Parameter	Unit	Limit	Results		
				NEAR CP-4,5	NEAR LABORATORY	SPINNING NEAR CP-4,5
				Date	Date	Date
				08.04.2016	08.04.2016	08.04.2016
1	Duration of Survey	hours	-	8	8	8
2	PM <sub>10</sub>	microgram / m <sup>3</sup>	100	78.4	71.2	68.4
3	NO <sub>x</sub>	microgram / m <sup>3</sup>	80	6.70	5.40	6.90
4	SO <sub>2</sub>	microgram / m <sup>3</sup>	80	5.10	4.40	5.10

**Month: May 2016**

S. No.	Parameter	Unit	Limit	Results		
				NEAR ETP	NEAR CP-1,2	NEAR FISH POND
				Date	Date	Date
				20.05.2016	20.05.2016	20.05.2016
1	Duration of Survey	hours	-	8	8	8
2	PM <sub>10</sub>	microgram / m <sup>3</sup>	100	81.2	68.4	75.6
3	NO <sub>x</sub>	microgram / m <sup>3</sup>	80	5.70	6.10	7.10
4	SO <sub>2</sub>	microgram / m <sup>3</sup>	80	4.40	4.90	5.40

**Month: June 2016**

S. No.	Parameter	Unit	Limit	Results		
				NEAR RO PLANT	NEAR CP-3	NEAR MAIN GATE
				Date	Date	Date
				20.06.2016	20.06.2016	20.06.2016
1	Duration of Survey	hours	-	8	8	8
2	PM <sub>10</sub>	microgram / m <sup>3</sup>	100	74.3	66.8	79.4
3	NO <sub>x</sub>	microgram / m <sup>3</sup>	80	5.10	6.40	6.40
4	SO <sub>2</sub>	microgram / m <sup>3</sup>	80	4.20	5.10	4.10





**ANALYSIS REPORT OF WORKPLACE AIR MONITORING:-****Month: July 2016**

S. No.	Parameter	Unit	Limit	Results		
				NEAR ETP	H1-PLANT Y	NEAR CP-1/2
				Date	Date	Date
				19.07.2016	19.07.2016	19.07.2016
1	Duration of Survey	hours	-	8	8	8
2	PM <sub>10</sub>	microgram / m <sup>3</sup>	100	66.1	62.8	69.8
3	NO <sub>x</sub>	microgram / m <sup>3</sup>	80	5.80	6.70	7.10
4	SO <sub>2</sub>	microgram / m <sup>3</sup>	80	3.90	4.70	5.60

**Month: August 2016**

S. No.	Parameter	Unit	Limit	Results		
				NEAR ETP	NEAR CP3-PLANT	NEAR CP-4/5
				Date	Date	Date
				20.08.2016	20.08.2016	20.08.2016
1	Duration of Survey	hours	-	8	8	8
2	PM <sub>10</sub>	microgram / m <sup>3</sup>	100	68.4	64.8	71.2
3	NO <sub>x</sub>	microgram / m <sup>3</sup>	80	5.60	6.10	7.20
4	SO <sub>2</sub>	microgram / m <sup>3</sup>	80	4.20	4.40	5.90

**Month: September 2016**

S. No.	Parameter	Unit	Limit	Results		
				NEAR ETP	NEAR MAIN GATE	NEAR SPINING CP-4/5
				Date	Date	Date
				28.09.2016	28.09.2016	28.09.2016
1	Duration of Survey	hours	-	8	8	8
2	PM <sub>10</sub>	microgram / m <sup>3</sup>	100	64.2	69.6	64.2
3	NO <sub>x</sub>	microgram / m <sup>3</sup>	80	5.10	6.70	6.70
4	SO <sub>2</sub>	microgram / m <sup>3</sup>	80	4.00	4.90	5.20



## ANNEXURE - VIII

**DETAILS OF SOLID WASTE GENERATION:-**

S. No.	Solid Waste Generation	Month					
		April 2016	May 2016	June 2016	July 2016	August 2016	September 2016
1.	Waste Oil (Litre)	0	0	20	0	0	0
2.	Sweep PTA Waste (Kgs)	0	0	0	16010	0	0
3.	Catalyst Drum (Nos.)	300	450	150	232	300	275
4.	PP Liner (Kgs)	5250	1950	2840	510	2670	2070
5.	Polymer Waste (Kgs)	36920	98270	89610	60500	48200	24870
6.	Chips Waste (Kgs)	0	0	0	0	0	9630
7.	POY Waste (Kgs)	174130	225550	166280	177310	202470	188560
8.	FDY Waste (Kgs)	9730	11190	23540	11820	11570	11620
9.	Fly Ash (MT)*	456.55	305.88	263.84	194.10	377.49	462.34
	Fly Ash (MT) for CCP division	1464.03	1458.66	1632.02	1571.05	1632.15	1648.89
	<b>Total (MT)</b>	<b>1920.58</b>	<b>1764.54</b>	<b>1895.86</b>	<b>1765.15</b>	<b>2009.64</b>	<b>2111.23</b>

\*Fly Ash disposed to following vendors:

1. Ramdev Bricks, Plot No. 51, Village. Tantithaiya, Tal. Palsana, Dist. Surat.
2. Classics Concretes Products, 435/3-5, Behind Hotel Bhagyoday, N.H.No. 8, Bambhora Patia, Kim Char Rasta, Tal. Mangrol, Dist. Surat.

**DETAILS OF HAZARDOUS WASTE:-**

SR. NO.	SOLID WASTE GENERATION	NAME OF THE MONTH					
		April 2016	May 2016	June 2016	July 2016	August 2016	September 2016
1.	ETP Sludge (MT)	0.5	0.5	0.5	0.5	0.5	0.5

**SLUDGE MANIFEST**

DESCRIPTION	MANIFEST DATE	QUANTITY	NAME OF TSDF	MANIFEST NO.
ETP Sludge	0	0	0	0





## ANNEXURE – VIII (Cont.)

**ANALYSIS REPORT OF ETP SLUDGE ANALYSIS: - APRIL-JUNE 2016**

S. No.	Parameter	Unit	April 2016		May 2016		June 2016	
			ETP 1 & ETP 2	ETP CPP	ETP 1 & ETP 2	ETP CPP	ETP 1 & ETP 2	ETP CPP
			Date	Date	Date	Date	Date	Date
			08.04.2016	06.04.2016	20.05.2016	05.05.2016	20.06.2016	16.06.2016
1	pH	pH Unit	7.46	7.25	7.64	7.36	7.51	7.42
2	Temperature	° C	28.0	28.0	29.0	29.0	28.0	28.0
3	Total Dissolved Solids	gm / kg	11.2	12.4	10.8	10.8	11.2	17.8
4	Biochemical Oxygen Demand for 3 days at 27°C	gm / kg	1.50	0.42	1.30	0.27	2.10	3.14
5	Chemical Oxygen Demand	gm / kg	5.60	1.34	6.40	0.96	8.80	9.60
6	Oil & Grease	gm / kg	ND	ND	ND	ND	ND	ND
7	Phenolic Compounds	gm / kg	ND	ND	ND	ND	ND	ND
8	Hexavalent Chromium as Cr <sup>+6</sup>	gm / kg	ND	ND	ND	ND	ND	ND
9	Total Chromium as Cr	gm / kg	0.0109	0.0106	0.0114	0.0109	0.0117	0.0106

**ANALYSIS REPORT OF ETP SLUDGE ANALYSIS: - JULY-SEPTEMBER 2016**

S. No.	Parameter	Unit	July 2016		August 2016		September 2016	
			ETP 1 & ETP 2	ETP CPP	ETP 1 & ETP 2	ETP CPP	ETP 1 & ETP 2	ETP CPP
			Date	Date	Date	Date	Date	Date
			19.07.2016	13.07.2016	20.08.2016	08.08.2016	28.09.2016	24.09.2016
1	pH	pH Unit	7.68	7.31	7.53	7.42	7.67	7.32
2	Temperature	° C	29.0	29.0	27.0	27.0	26.0	26.0
3	Total Dissolved Solids	gm / kg	14.4	14.6	16.8	12.8	13.4	10.6
4	Biochemical Oxygen Demand for 3 days at 27°C	gm / kg	2.70	3.0	2.90	3.0	2.40	4.0
5	Chemical Oxygen Demand	gm / kg	8.0	8.0	8.80	12.0	8.0	16.0
6	Oil & Grease	gm / kg	ND	ND	ND	ND	ND	ND
7	Phenolic Compounds	gm / kg	ND	ND	ND	ND	ND	ND
8	Hexavalent Chromium as Cr <sup>+6</sup>	gm / kg	ND	ND	ND	ND	ND	ND
9	Total Chromium as Cr	gm / kg	0.0109	0.0112	0.0112	0.0109	0.0106	0.0101

- Not Detectable



**MEMBERSHIP CERTIFICATE WITH BEIL, ANKLESHWAR**

BHARUCH ENVIRO INFRASTRUCTURE LIMITED

Date 19.03.2015

To,  
**Garden Silk Mills Ltd. (C.P. Division)**  
 Plot No.196,197,124/A,202-5,225/7,229,230,  
 Village Jolwa,  
 Taluka Palsana,  
 Dist: Surat.

**Sub : Membership Certificate for Common Solid Waste Disposal Facility.**

Dear Sir,

We hereby certify that you have become member for the common Solid/Hazardous waste disposal facility of Bharuch Enviro Infrastructure Ltd., at GIDC, Ankleshwar. You have booked solid waste quantity of 25 MT/year. You have also paid your capacity commitment charges. Your Membership No. is **Oth/503**.

Waste will be accepted after submitting valid authorization of GPCB.

Thanking you,

Yours faithfully,  
**For BHARUCH ENVIRO INFRASTRUCTURE LTD.**

**AUTHORISED SIGNATORY**

CIN No.: U45300GJ1997PLC032896

Works Office : Plot No. 9701-16 GIDC Estate, Post Box No. 82, Ankleshwar 383 002, Dist. : Bharuch (Gujarat)

Phone : (02846) 259135, 225225 - Fax : (02846) 222549 • E-mail : pangwani@uniphos.com

Regd. Office : Plot No. 117-118, GIDC Estate, Ankleshwar 383 002, Dist.: Bharuch. (Gujarat)



## ANNEXURE - X

**AMBIENT AIR QUALITY, GROUND AND SURFACE WATER MONITORING REPORT IN STUDY AREA**

**Analysis report of Ambient Air Monitoring:-**

**Month - June 2016**

S. No.	Location	Duration of Survey (Hours)	PM10	PM2.5	NOx	SO2
			Microgram/m <sup>3</sup>	microgram/m <sup>3</sup>	microgram/m <sup>3</sup>	microgram/m <sup>3</sup>
1	Project Site	8	73.2	42.8	21.1	17.4
2	Jolwa	8	63.7	39.6	17.8	15.2
3	Tantithiya	8	63.1	40.1	20.2	16.8
4	Dastan	8	65.1	39.6	18.7	15.7
5	Karala	8	69.1	38.4	19.4	17.1
6	Karen	8	67.6	42.7	17.3	14.9
7	Vareli	8	71.7	42.1	21.7	17.4
8	Parab	8	69.3	37.8	18.4	14.7
9	Mankna	8	68.6	41.4	21.1	17.6
10	Valen	8	70.2	43.4	20.7	16.8
11	Mirapura	8	67.6	41.7	21.4	17.6

**Analysis report of Ambient Air Monitoring:-**

**Month - September 2016**

S. No.	Location	Duration of Survey (Hours)	PM10	PM2.5	NOx	SO2
			Microgram/m <sup>3</sup>	microgram/m <sup>3</sup>	microgram/m <sup>3</sup>	microgram/m <sup>3</sup>
1	Project Site	8	69.7	39.4	19.6	15.7
2	Jolwa	8	61.9	37.2	18.2	14.3
3	Tantithiya	8	64.3	36.8	19.4	16.1
4	Dastan	8	67.2	40.2	17.7	15.2
5	Karala	8	68.9	39.8	18.6	16.1
6	Karen	8	69.4	41.1	18.8	15.7
7	Vareli	8	72.4	43.9	19.7	16.8
8	Parab	8	71.2	38.7	19.1	15.6
9	Mankna	8	69.8	40	18.4	16.4
10	Valen	8	71.1	41.3	19.7	16.1
11	Mirapura	8	68.4	39.8	19.6	16.4





**Analysis report of Ground and surface water Monitoring:-****Analysis report of Ground Monitoring:-****Month: June 2016**

S. No.	Parameter	Location	Project Site	Jolwa	Tantithiya	Dastan	Karala
		Unit					
1	pH	pH Unit	7.42	7.56	7.72	7.68	7.51
2	Total Alkalinity	mg/L	195	202	208	224	227
3	Total Dissolved Solids	mg/L	878	710	576	774	739
4	Chemical Oxygen Demand	mg/L	16.0	8.0	8.0	8.0	8.0
5	Biochemical Oxygen Demand for 3 days at 27°C	mg/L	3.0	3.0	3.0	3.0	3.0
6	Chloride	mg/L	264	198	182	192	247
7	Total Hardness	mg/L	322	272	224	284	257
8	Ca <sup>+2</sup> Hardness	mg/L	76.0	67.0	59.0	62.0	68.0
9	Sulphate	mg/L	84.0	58.0	42.0	98.0	54.0

S. No.	Parameter	Location	Sanki	Vareli	Parab	Mankna	Mirapur
		Unit					
1	pH	pH Unit	8.12	7.47	7.38	8.37	7.66
2	Total Alkalinity	mg/L	248	171	228	221	245
3	Total Dissolved Solids	mg/L	784	666	834	788	821
4	Chemical Oxygen Demand	mg/L	16.0	4.0	8.0	4.0	4.0
5	Biochemical Oxygen Demand for 3 days at 27°C	mg/L	3.0	ND	ND	ND	ND
6	Chloride	mg/L	254	176	262	227	202
7	Total Hardness	mg/L	304	256	334	285	337
8	Ca <sup>+2</sup> Hardness	mg/L	58.0	62.0	72.0	64.0	74.0
9	Sulphate	mg/L	54.0	64.0	52.0	68.0	76.0

**ND: Not Detectable**

**Analysis report of Ground Monitoring:-****Month: September 2016**

S. No.	Parameter	Location Unit	Project Site	Jolwa	Tantithiya	Dastan	Karala
1	pH	pH Unit	7.37	7.71	7.86	7.89	7.32
2	Total Alkalinity	mg/L	184	194	247	214	206
3	Total Dissolved Solids	mg/L	856	736	604	796	788
4	Chemical Oxygen Demand	mg/L	8.0	8.0	8.0	8.0	8.0
5	Biochemical Oxygen Demand for 3 days at 27°C	mg/L	3.0	3.0	ND	ND	ND
6	Chloride	mg/L	257	177	196	182	266
7	Total Hardness	mg/L	302	262	242	292	272
8	Ca <sup>2+</sup> Hardness	mg/L	70.0	61.0	67.0	58.0	62.0
9	Sulphate	mg/L	78.0	64.0	48.0	84.0	72.0

S. No.	Parameter	Location Unit	Sanki	Vareli	Parab	Mankna	Mirapur
1	Ph	pH Unit	8.31	7.67	7.43	8.04	7.87
2	Total Alkalinity	mg/L	222	186	206	268	232
3	Total Dissolved Solids	mg/L	796	688	858	754	846
4	Chemical Oxygen Demand	mg/L	16.0	4.0	8.0	4.0	4.0
5	Biochemical Oxygen Demand for 3 days at 27°C	mg/L	9.0	ND	ND	ND	ND
6	Chloride	mg/L	242	194	246	254	194
7	Total Hardness	mg/L	288	268	318	292	322
8	Ca <sup>2+</sup> Hardness	mg/L	74.0	78.0	84.0	76.0	64.0
9	Sulphate	mg/L	48.0	80.0	56.0	60.0	72.0

**ND:** Not Detectable

**Analysis report of Surface Water Monitoring:-****Month: June - 2016**

S. No.	Parameter	Location	Kadodara Khadi	Canal
		Unit		
1	pH	pH Unit	7.66	7.28
2	Total Alkalinity	mg/L	342	194
3	Total Suspended Solids	mg/L	76.0	58.0
4	Total Dissolved Solids	mg/L	884	512
5	Chemical Oxygen Demand	mg/L	80.0	16.0
6	Biochemical Oxygen Demand for 3 days at 27°C	mg/L	21.0	9.0
7	Ammonical Nitrogen	mg/L	4.27	ND
8	Chloride	mg/L	268	124
9	Total Hardness	mg/L	334	185
10	Ca <sup>+2</sup> Hardness	mg/L	74.0	39.0
11	Sulphate	mg/L	72.0	56.0

**Month: September 2016**

S. No.	Parameter	Location	Kadodara Khadi	Canal
		Unit		
1	pH	pH Unit	7.42	7.56
2	Total Alkalinity	mg/L	328	178
3	Total Suspended Solids	mg/L	64.0	78.0
4	Total Dissolved Solids	mg/L	846	628
5	Chemical Oxygen Demand	mg/L	88.0	16.0
6	Biochemical Oxygen Demand for 3 days at 27°C	mg/L	27.0	3.0
7	Ammonical Nitrogen	mg/L	4.07	ND
8	Chloride	mg/L	242	138
9	Total Hardness	mg/L	316	176
10	Ca <sup>+2</sup> Hardness	mg/L	68.0	44.0
11	Sulphate	mg/L	62.0	50.0





**Analysis Report of Noise Monitoring:-****Month: June 2016**

S. No.	Location	Date	Time	Results
1	GSML ADMIN BUILDING	27/06/2016	11:00 (Day Time)	62.7
			22:00 (Night Time)	45.6
2	CANTEEN	27/06/2016	14:00 (Day Time)	72.4
			23:00 (Night Time)	63.4
3	NEAR DG ROOM	27/06/2016	15:30 (Day Time)	71.6
			23:30 (Night Time)	64.2
4	CP- 4,5	29/06/2016	10:00 (Day Time)	62.7
			19:45 (Night Time)	60.4
5	CP-1,2	29/06/2016	11:00 (Day Time)	65.1
			21:10 (Night Time)	59.2
6	COOLING TOWER	29/06/2016	13:00 (Day Time)	71.9
			22:35 (Night Time)	62.4
7	GSML MAIN GATE (SH)	29/06/2016	14:00 (Day Time)	63.7
			22:00 (Night Time)	51.8
8	JOLWA	29/06/2016	15:50 (Day Time)	65.4
			23:00 (Night Time)	59.6

**Month: September 2016**

S. No.	Location	Date	Time	Results
1	GSML ADMIN BUILDING	30/09/2016	11:00 (Day Time)	63.4
			22:00 (Night Time)	47.8
2	CANTEEN	30/09/2016	14:00 (Day Time)	70.8
			23:00 (Night Time)	62.7
3	NEAR DG ROOM	30/09/2016	15:30 (Day Time)	72.2
			23:30 (Night Time)	63.4
4	CP- 4,5	01/10/2016	10:00 (Day Time)	62.1
			19:45 (Night Time)	59.8
5	CP-1,2	01/10/2016	11:00 (Day Time)	64.7
			21:10 (Night Time)	58.7
6	COOLING TOWER	01/10/2016	13:00 (Day Time)	71.1
			22:35 (Night Time)	63.9
7	GSML MAIN GATE (SH)	01/10/2016	14:00 (Day Time)	62.5
			22:00 (Night Time)	52.9
8	JOLWA	01/10/2016	15:50 (Day Time)	63.9
			23:00 (Night Time)	58.6



**GUJARAT POLLUTION CONTROL  
BOARD**

**SECTOR: 10-A, GANDHINAGAR: 382 043**

**Date: 11/08/2016**

**ENVIRONMENTAL AUDIT REPORT**

Under the provisions of Sub Rule 14 of the Environment (Protection) Rules,  
1986 of the Environment (Protection) Act-1986

"14 Submission of Environmental Audit Report:-

Every person carrying on an industry, operation or process requiring consent under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974) or under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 (14 of 1981) or both or authorisation under the Hazardous Wastes (Management and Handling) Rules, 1989 issued under the environment (Protection) Act, 1986 (29 of 1986) shall submit an environmental audit report for the financial year ending the 31<sup>st</sup> March in form - V to the concerned State Pollution Control Board on or before the 30<sup>th</sup> September every year, beginning 1993.

**FORM - V**

(See rule 14)

Environmental Audit Report for the financial year ending the 31<sup>st</sup> March 2016

**PART: A**



- i) Name and address of the : M/s. GARDEN SILK MILLS LTD.  
Owner/Occupier of the (CP DIVISION - JOLWA),  
industry, Operation or Process. PLOT NO.: 202-05, 225-7, 229, 230, 196, 197, &  
124-A, VILLAGE: JOLWA, TAL.: PALSANA,  
DIST.: SURAT
- ii) Date of the last environmental : 19/05/2015  
audit report submitted.



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**PART: B**  
**Water and Raw Material Consumption**

(1) Water Consumption in M<sup>3</sup>/Day.

Process + Washing:	183.00
Cooling + Boiler:	5943.00
Domestic+ Gardening:	91.00
Total (Industrial):	6126.00

Name of Products	Water consumption per unit of products.	
	During the previous Financial year. (APRIL - 14 TO MARCH - 15)	During Financial (APRIL - 15 TO MARCH - 16)
	(1)	
POLYESTER CHIPS	0.024 M <sup>3</sup> /MT	
COAL BASED POWER PLANT (18 + 21 MW)	4.06 M <sup>3</sup> /MW	3.9 M <sup>3</sup> /MW

(ii) Raw Material consumption

Name of Raw Materials	Name of products	Consumption of raw material per unit of products (MT/MT)	
		During the previous Financial year. (APRIL - 14 TO MARCH - 15)	During the current (APRIL - 15 TO MARCH - 16)
PTA (TEREPHTHALIC ACID)	POLYESTER CHIPS	0.855	1.3
MEG (MONO ETHYLENE GLYCOL)		0.340	0.5
DELUSTERING AGENT		0.010	0.01
ADDITIVE CATALYST		0.001	0.00
ADDITIVE DEG		0.012	4.3 X
POY-POLYMER	POY	0.995	1.0
FDY-POLYMER	FDY	0.994	1.0



**PART: C**

**Pollution Generated**

(Parameter as specified in the consent issued)

(i) Pollutants	Quantity of pollution generated	Percentage of variation from prescribed standards with reasons.
(a) Water	<b>ALL THE PARAMETERS ARE WITHIN THE LIMITS PRESCRIBED BY THE BOARD.</b>	
(b) Air	<b>ALL THE PARAMETERS ARE WITHIN THE LIMITS PRESCRIBED BY THE BOARD.</b>	

**PART: D**

**Hazardous Wastes**

(As specified under Hazardous Wastes (Management and Handling) Rules, 1989)

Hazardous Wastes		Total Quantity (kg.)	
		During the previous Financial year. (APRIL - 14 TO MARCH - 15)	During the current Financial year. (APRIL - 15 TO MARCH - 16)
(a) From Process			
(b) From Pollution control facilities	<b>1) ETP SLUDGE</b>	<b>17.00 MT/YEAR</b>	<b>6.0 MT/YEAR</b>

**PART: E**

**Solid Wastes**

		Total Quantity (kg.)	
		During the previous Financial year. (APRIL - 14 TO MARCH - 15)	During the current Financial year. (APRIL - 15 TO MARCH - 16)
(a) From Process	<b>1) LUBRICATING OIL</b>	<b>720 LIT/YEAR</b>	<b>300 LIT/YEAR</b>
	<b>2) POLYMER WASTE</b>	<b>424.169 MT/YEAR</b>	<b>459.451 MT/YEAR</b>
	<b>3) CHIP WASTE</b>	<b>42.964 MT/YEAR</b>	<b>71.086 MT/YEAR</b>



4) POY WASTE	796.235 MT/YEAR	752.341 MT/YEAR
5) FDY WASTE	1048.37 MT/YEAR	1209.930 MT/YEAR

(b) From Pollution

Control facilities	1) CATALYST DRUM LOT	634 NOS./YEAR	3095 NOS./YEAR
(ETP)	2) PP LINER LOT	11710 KG/YEAR	22670 KG/YEAR

(c) Quantity recycled  
or re-utilized

3) SWEEPING PTA WASTE LOT	60.543 MT/YEAR	51.988 MT/YEAR
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#### PART: F

Please specify the characteristics (in terms of concentration and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

**ETP SLUDGE IS STORED IN HAZARDOUS WASTE STORAGE AREA HAVING IMPERVIOUS LAYER AND LEACHATE COLLECTION SYSTEM AND FINALLY DISPOSED TO M/s. BEIL. DISCARDED CONTAINERS POLYMER WASTE, CHIP WASTE, PO WASTE, SWEEPING PTA WASTE LOT IS STORED IN SEPARATE IDENTIFIED AREA AND SELLING TO ACTUAL END USERS.**

#### PART: G

Impact of the pollution control measures on conservation of natural resources and consequently on the cost of production.

- CAPITAL COST OF TREATMENT UNIT = Rs. 70,12,500/-
- COST OF MONITORING AND CONSULTANCY = Rs. 97,000/-
- OPERATION AND MAINTENANCE COST
  - OPERATION = Rs. 22,18,750/-
  - ELECTRICITY = Rs. 58,00,000/-
  - CHEMICAL = Rs. 7,87,500/-

#### PART: H

Additional investment proposal for environmental protection including abatement of pollution.  
NIL

#### PART: I

##### Miscellaneous

Any other particulates in respect of environmental protection and abatement of pollution





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WE ARE TRYING TO MINIMISE THE POLLUTION FROM OUR UNIT TO THE LOWEST AS POSSIBLE.

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Signature :

Name: YOGESH C. PAPAIA

Designation: EXECUTIVE

Date: 11/08/2016

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Submitted to

Member Secretary  
Gujarat Pollution Control Board,  
Sector: 10-A,  
Gandhinagar 382 043

From: **M/s. GARDEN SILK MILLS LTD.**  
(CP DIVISION - JOLWA)  
VILL.: JOLWA, TAL.: PALSANA,  
DIST.: SURAT

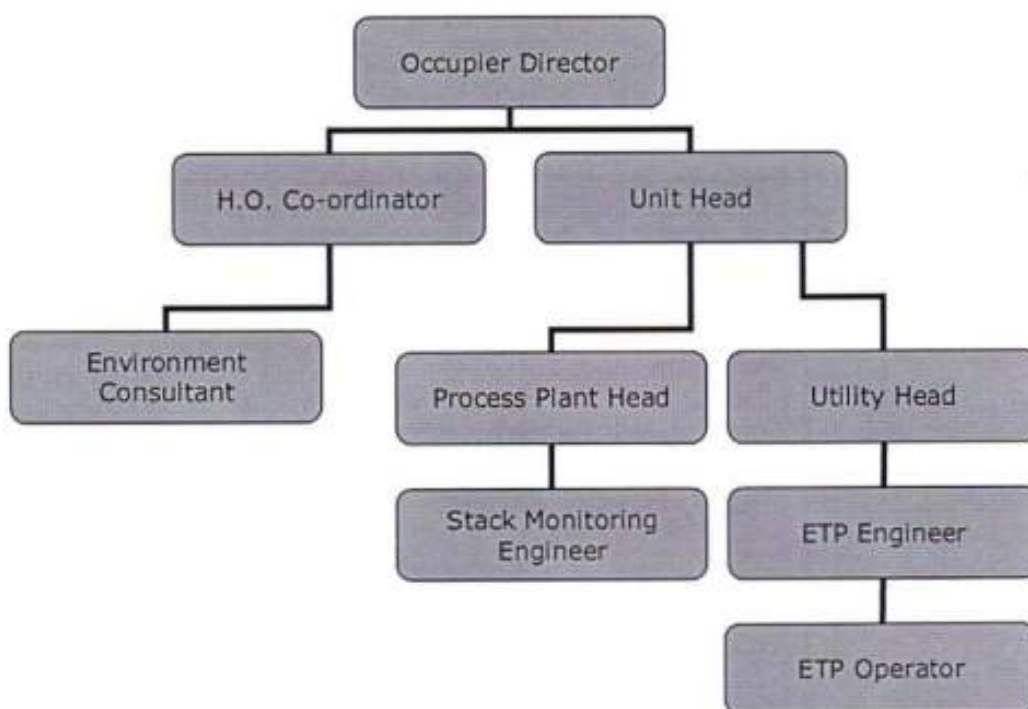


**POLICY FOR CORPORATE ENVIRONMENT RESPONSIBILITY****POLICY FOR CORPORATE ENVIRONMENT RESPONSIBILITY.**

Garden Silk Mills limited is a long time established Corporate Entity in the premier Textile Manufacturing Hub of Gujarat i.e. Surat. It has got a long history of association with the city and its local population.

It undertakes socially responsible work on its own and works closely with the Gram Panchayats to cater to the social and infra-structural needs of the surrounding populace. The two villages nearby its location of the factories, i.e. Jolwa and Vareli have benefited by means of Employment, Social infra-structure and Environment Protective Activities of Garden Silk Mills Limited.

The following policy of Corporate Environment Responsibility has been formulated by Senior Management and is reflective of the Eco-sensitiveness owned by the Company.

**I. Hierarchical Authority of Environment Management Committee.**

**II. STANDARD OPERATING PROCEDURE - EMP :**

1. Every Environment Clearance (EC) and Consent should be discussed by the H.O. and Plant team immediately after issuance of the same. Environment Consultant will participate in all such meetings. At the end of each meeting, the salient bullet points are to be brought to the notice of Unit Head and the Occupier Director.
2. All Capital and Revenue Expenses arising out of Environment Compliance will be budgeted by the Plant and vetted by the Environment Management Committee for final approval of Unit Head and the Occupier Director.
3. Test Results of Effluent Treatment Plants and Stack Emissions against various norms stipulated by EC and Consent shall be escalated by Utility Head to the Environment Consultant at pre-determined period.
4. Any departure from the norms as stipulated by Central and State Environment Bodies shall be escalated to the Committee, the Unit Head and the Occupier Director. All rectification actions shall be taken within fixed time limits after consensus within the body.
5. In any case, the Environment Management Committee will meet at regular intervals, which shall not be more than two months.
6. For all visits by Government Officials, it is the duty of the Plant to ensure that all inspections and checks go on smoothly. All the members of the Committee including H.O. members shall get involved in such inspections. Any points arising out of the inspections have to be informed to the Unit Head and closed within a fixed time limit.
7. It is the duty of the H.O. Co-ordinator and members of the Committee to ensure that Legal and Statutory Compliances are regularly done. Any departure should be brought to the notice of the Unit Head and the Occupier Director.

Issue Date: January 1, 2013  
File Name: CER-1





## CERTIFICATE OF OCCUPATIONAL HEALTH SURVEILLANCE

**SAI INDUSTRIAL HEALTH SERVICES****Dr. B. G. DODIA**

M.B.B.S., C.I.H.

Reg. No. G 8571

**SENIOR INDUSTRIAL HEALTH CONSULTANT**

DATE : -201

February 9, 2017

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that, we had examined **1592** employees of **M/s Garden Silk Mills Ltd, CP Division, Jolwa, Surat** for the year **2016-2017**.

No occupational disease was detected for above strength of employees, for other non-occupational illness employees were advised as per requirement.

For **Sai Industrial Health Services**

*B. G. DODIA*  
09-02-2017  
**Dr B G Dodia**  
**MBBS, CIH**  
**Sr Industrial Health Consultant**  
**Sai Industrial Health Services**  
**Reg No: G 8571**

**Dr. B. G. DODIA**  
Reg. No. G-8571 M.B.B.S., C.I.H.  
**INDUSTRIAL HEALTH CONSULTANT**  
**FAMILY PHYSICIAN & SURGEON**

**RESIDENCE : 904, SHUBH LAXMI HEIGHTS,**  
**NEAR ADAJAN FIRE STATION, Opp. STAR BAZAR, ADAJAN, SURAT.**

**MOBILE : 97265 19999, 98251 41857**

## CSR PROJECT AND ITS DETAILS

## CSR BETWEEN 2016-2017

YEAR	DESCRIPTION	SUM OF CONVERTED_DR
JUNE-2016	PAID FOR "SMART POLICE STATION KADODARA GIDC WELFARE TRUST"	1,000,000/-
AUGUST-2016	PAID TOWARDS TUTIONS FEES OF NEEDY STUDENT OF STANDARD III TO VII	137,475/-
	PAID TOWARDS TUTIONS FEES OF NEEDY STUDENT OF STANDARD XI AND XII	18,600/-
OCTOBER-2016	PAID FOR POOR CHILDREN'S' EDUCATIONAL BOOKS	10,750/-
	PAID FOR POOR CHILDREN'S' EDUCATIONAL BOOKS	850/-
	PAID FOR POOR CHILDREN'S' EDUCATIONAL BOOKS	18,920/-
	PAID FOR POOR CHILDREN'S' EDUCATIONAL BOOKS	850/-
<b>GRAND TOTAL</b>		<b>11,87,445/-</b>





Bipin J. Modi  
B. Com. FCA, DISA  
Alok A. Gandhi  
M. Com. ACA

## *Bipinchandra J. Modi & Co.*

Chartered Accountants

B.No. 18/A, Prakash Co-Op. Hsg. Society

B/h Intelligent Guidance Classes

Athwalines, Surat 395 001

Phone :- 2665349

Mobile : 9376822354/9099001224

Email : bjmodi@gmail.com

PAN : AAHFB2203M

STC No.: AAHFB2203MST001

### CERTIFICATE

We refer to the Company's Expansion projects envisaging capacity expansion in 21 M.W. Coal Based Captive Power Plant, covered under EC F. No. J-11011/624/2010-IA 11 (I) Dated 10/05/2013.

The total project cost was Rs.75 Crores, which was financed by IDBI Bank's Term Loan of Rs.56.25 Crores and Internal Accruals of Rs.18.75 Crores.

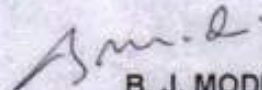
The total expenditure incurred towards this project was Rs.78.04 Crores and the Term Loan availed from IDBI Bank was Rs.56.25 Crores and the balance amount of Rs.21.79 was brought from Internal Cash Accruals.

The projects have already commenced production.

The above have been verified on the basis of information and explanation given to us from the books of accounts maintained by the Company and found the same to be correct.

For BIPINCHANDRA J. MODI & CO.  
Chartered Accountants,

Place : Surat  
Date: 31<sup>st</sup> March, 2013

  
B. J. MODI  
Partner  
M. No. : 31687

