# Minutes of the Meeting (MoM) of the Union Territory Expert Appraisal Committee (UTEAC) held on 25th July, 2022

A meeting of the Union Territory Expert Appraisal Committee (UTEAC) of Dadra & Nagar Haveli and Daman & Diu was convened under the Chairmanship of Dr. V. P. Upadhyay via video conferencing at 10:30 AM on 25th July, 2022 to discuss the projectn proposals received for grant of Environmental Clearance.

The following members joined the online meeting:

- 1) Dr. V. P. Upadhyay, Rtd. Scientist (Advisor), MoEF&CC (Chairman, UTEAC)
- 2) Shri Arvind Vispute, Rtd. Chief Conservator of Forests (Member, UTEAC)
- Shri Joju P. Alappatt, IFS, Dy. Conservator of Forests, Daman & Diu, (MS, UTEAC)
- 4) Ms. Charmie Parekh Asst. Town Planner DNH&DD (Member, UTEAC)

The Member Secretary, UTEAC welcomed the Chairperson and Members of the Expert Appraisal Committee. The following proposals were considered during the meeting.

Sr. No.	File No.	Project Proponent	Status	
1.	SEIAA/DNH-DD/2022/18	Yogi Woods by M/s. Shiv Builders	Screening & Appraisal	

Proposal

: Proposed Residential/ Commercial Project

Address

: Sr No 286/1/1/3P, 291/1/1/2, 291/1/1/3, 291/2/1, Opp Ultan Faliya

School, Ultan Faliya Road, Silvassa, DNH&DD-396230

Land Area

: 23100.00 Sqm

Cost

the: Rs. 89.44 Crore

Project

Scope of Work

Plot Area (Sq. Mt.)		23100.00 Sqm
Ground coverage (Sq. Mt.)	13.45	5201.76(22.54 %)
Permissible Floor Area (Sq. FSI	Mt.),	Not provided
Proposed Floor Area (Sq. Mt.)	FSI	Not provided
Built up area (Sq. Mt.)		59954.17 Sqm
No. of Floors	a files	Total 9Buildings
		6 BuildingsB + G+9
		1 BuildingG+9
		1 building (banquethall) G
		1 Club House G+1
Maximum Height (m)		30.00
No. of Blocks		9 Buildings
Number of units	5 3 3	Flats- 322
Parking Area (Sq. Mt.)		16466.53 Sqm (658 ECS)
Common Area (Sq. Mt.)		Not provided
Tree Covered Area (Sq. Mt.)		Not provided
Power Requirement (KW)		750

#### Water and Waste Water Details

# During Construction Phase

- Total water requirement (KL/day): 3.6
- Source of water: Local Tanker Supply
- Waste water generation quantity (KL/day): 2.88
- · Mode of disposal: Soak Pit.

### During Operation Phase

- Total water requirement (KL/day): 252.50 (Fresh 133.5 & Treated 119)
- Fresh water requirement (KL/day): 133.5
- · Source of water: Silvassa Municipal Corporation and Recycled from STP
- Waste water generation quantity (KL/day): 178
- Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be reused for gardening and flushing purpose within premises and remaining quantity will be distributed to other construction sites via / with help of SMC.
- In case of STP provision, capacity of STP: Yes 200 KLD
- STP Technology: MBBR Technology
- · Purposes for treated water utilization: Gardening and Flushing
- Quantity of treated water to be reused: 1) Gardening (KL/day):30
  - 2) Flushing (KL/day):89
- Provision of dual plumbing system (Yes/No): Yes
- Quantity and type (treated/untreated) of sewage to be discharged: Sewage to be generated will
  be treated in the proposed onsite STP. Treated sewage will be reused for gardening and
  flushing purpose within premises and remaining quantity will be distributed to other
  construction sites via / with help of SMC.
- Power Requirement:750 KW from Dadra Nagar Haveli Power Distribution Corporation Ltd (DNH PDCL) and 1 no. of D.G. Set – 125 kVA capacity (Fuel & its quantity: HSD (25 lits/hr)).



## Solid / Hazardous Waste Management and Disposal:

## a) During Construction Phase

Sr. No.	Description	Quantity (kg/day)
1	120 workers x 200gm/person/day = 24 kg/day	823.00

- During construction phase collection of wet and dry waste will be done in different buckets/Dustin bins.
- Generated solid waste will be send to nearest collection point of local authority.

# b) During Operation Phase

Sr. No.	Description	Quantity (kg/day)
1	Domestic 286 Flats (2&3BHK) x 5 person/unit x 500 gm/person/day = 715 kg/day & 36 flats (4BHK) x 6 person/unit x 500 gm/person/day = 108 kg/da	24

- Initially collection of wet and dry waste will be done in different buckets by each unit (i.e. flats & shops)
- Basic sorting for dry waste will be done within premises by cleaning staff of society.
- Out of which Reusable waste will be sold off to local vendors (as per Municipal Solid Waste (Management and Handling) Rule, 2016)
- From the remaining municipal solid waste, organic waste will be treated in organic waste to compost machine which will be installed onsite during operation phase. On an average organic waste generated is around 20% of total solid waste generated.
- Compost generated after treatment of organic waste will be used with premises for green belt & individual units having indoor/decorative plants in balcony or common lobbies and excess if any will be sold off in nearby region to support operation and maintenance cost of Organic waste to compost machine.
- Installation location of Organic waste to compost machine will be done on ground floor of proposed project site in such way that it do not disturbs routine work. It will occupy space around 4m x 3m Sqm
- After, following strictly following above procedure if any non-reusable or non-organic waste
  which cannot be reused or used in organic waste to compost machine will be send to local
  authority door to door collection system.
- · As proponent we will try reduce solid waste burden on local authority upto maximum level
- There wont be any storage of solid waste within premises.

#### Observations / Discussions: -

The project proponent gave detailed presentation of the project. After thoroughly going through the presentation and on checking documents submitted by the project proponent, the following points were emerged during the meeting and the project proponent was asked to clarify the points and support it with required documents.

- 1) The Budgetary provisions of the projects as submitted in Form-1 are found to be different from that of presentation. The project proponent shall submit the hard copy of the project presentation to the Member Secretary duly signed and authenticated by the project proponent.
- 2) The palm trees (total 9 nos.) already existing in the project site should be relocated to other areas with the proper safety measures rather than cutting and removing of trees.
- 3) The waste generated during the construction phase shall be composted in the project site and shall be used as manure there itself. It is not acceptable to send waste to outside for disposing it by Municipal authorities.
- 4) The total 290 nos. of trees proposed to be planted in the project site shall be of nativeand indigenous species which will meet the ecological need of areas. No exotic trees should be planted.
- 5) Surplus amount of water from Rain Water Harvesting and that proposed for ground water recharge shall be collected in reservoirsmade in the project site and used for project works.
- 6) Only flyash bricks will be used in construction.
- 7) Cost to EMP shall be considerably raised and the revised cost to be worked out and submitted along with the letter indicating the agreement between for project proponent and the housing society for the future management.

As decided by the committee, the project proponent shall submit the above-mentioned details through hard copies as well as soft copies. The committee after detailed discussion unanimously decided to recommend the project proposal for grant of Environmental Clearance with above conditions alongwith other sector specific general conditions.

Sr. No.	File No.	Project Proponent		Status		
2.	UTEIAA/DNH-DD/2022/19	Orchid	Towers	BY	M/s.	Screening & Appraisal
		Surendrasinh Parmar				

Proposal

: Proposed Residential/ Commercial Project

Address

: Sr No 189/1/1/1, 189/1/1/3, 292/2, Naroli Road, Silvassa, U.T. of

Dadra and Nagar Haveli.-396230

Land Area

: 21008.00 Sqm

Cost

of

the: Rs. 50.27 Crore

Project

Scope of Work

	P. Land Co.	
Plot Area (Sq. Mt.)	he die	21008.00 Sqm
Ground coverage (Sq. Mt.)		3437.02(16.36 %)
Permissible Floor Area (Sq. FSI	Mt.),	Not provided
Proposed Floor Area (Sq. Mt.)	FSI	Not provided
Built up area (Sq. Mt.)		31055.64 Sqm
No. of Floors	Lie Tea	4 Buildings and 5 Bungalows
Maximum Height (m)		30.00
No. of Blocks		4 BuildingsAll G+9, 4 BungalowsG+2 and 1 BungalowG+1
Number of units		Flats- 105, Shops – 64 and 5 Bungalows
Parking Area (Sq. Mt.)		5068.0 Sqm (181ECS)
Common Area (Sq. Mt.)		Not provided
Tree Covered Area (Sq. Mt.)		Not provided
Power Requirement (KW)		500

### Water and Waste Water Details

# During Construction Phase

- Total water requirement (KL/day): 3.0
- Source of water: Local Tanker Supply
- Waste water generation quantity (KL/day): 2.4
- Mode of disposal: Soak Pit.

## During Operation Phase

- Total water requirement (KL/day): 110.5 (Fresh 48& Treated 62.5)
- Fresh water requirement (KL/day): 48
- Source of water: Silvassa Municipal Corporation and Recycled from STP
- Waste water generation quantity (KL/day): 64.4

- Mode of disposal: Sewage to be generated will be treated in the proposed onsite STP. Treated sewage will be reused for gardening and flushing purpose within premises and remaining quantity will be distributed to other construction sites via / with help of SMC.
- In case of STP provision, capacity of STP: Yes 80 KLD
- STP Technology: MBBR Technology
- Purposes for treated water utilization: Gardening and Flushing
- Quantity of treated water to be reused: 1) Gardening (KL/day): 30

2) Flushing (KL/day): 32.5

- Provision of dual plumbing system (Yes/No): Yes
- Quantity and type (treated/untreated) of sewage to be discharged: Sewage to be generated will
  be treated in the proposed onsite STP. Treated sewage will be reused for gardening and
  flushing purpose within premises and remaining quantity will be distributed to other
  construction sites via / with help of SMC.
- Power Requirement: 500 KW from Dadra Nagar Haveli Power Distribution Corporation Ltd (DNH PDCL) and 1 no. of D.G. Set – 125 kVA capacity (Fuel & its quantity: HSD (25 lits/hr)).

# Solid / Hazardous Waste Management and Disposal:

### c) During Construction Phase

Sr. No.	Description	Quantity (kg/day)
1	100 workers x 200gm/person/day = 20 kg/day	20

- During construction phase collection of wet and dry waste will be done in different buckets/Dustin bins.
- Generated solid waste will be send to nearest collection point of local authority.

### d) During Operation Phase

Sr. No.	Description	Quantity (kg/day)
1	Domestic	315.90
	105 Flats (3BHK) x 5 person/unit x 500 gm/person/day =	
	262.5 kg/day	
	&	
	5 Bungalows (6BHK) x 6 person/unit x 500 gm/person/day	
	= 15  kg/day	
	&	
	64 Shops x 3 person/unit x 200gm/person/day = 38.4	
	kg/day	

• Initially collection of wet and dry waste will be done in different buckets by each unit (i.e. flats & shops)

- Basic sorting for dry waste will be done within premises by cleaning staff of society.
- Out of which Reusable waste will be sold off to local vendors (as per Municipal Solid Waste (Management and Handling) Rule, 2016)
- From the remaining municipal solid waste, organic waste will be treated in organic waste to compost machine which will be installed onsite during operation phase. On an average organic waste generated is around 20% of total solid waste generated.
- Compost generated after treatment of organic waste will be used with premises for green belt & individual units having indoor/decorative plants in balcony or common lobbies and excess if any will be sold off in nearby region to support operation and maintenance cost of Organic waste to compost machine.
- Installation location of Organic waste to compost machine will be done on ground floor of proposed project site in such way that it do not disturbs routine work. It will occupy space around 4m x 3m Sqm
- After, following strictly following above procedure if any non-reusable or non-organic waste which cannot be reused or used in organic waste to compost machine will be send to local authority door to door collection system.
- As proponent we will try reduce solid waste burden on local authority upto maximum level
- There won't be any storage of solid waste within premises.

### Observations / Discussions: -

The project proponent gave detailed presentation of the project. After thoroughly going through the presentation and on checking documents submitted by the project proponent, the following points were emerged during the meeting and the project proponent was asked to clarify the points and support it with required documents.

It is found that the proposal for the project namely 'M/s. Jas Exotica' was previously submitted for the same sitebefore UTEAC by the present project proponent and is known to have rejected by UTEIAA. Now, the same proposal is re-submitted with the new name 'M/s. Orchid Towers' without providing any documents or information/ details related to rejection of the previous application. The project proponent is directed to re-submit the application clearly mentioning the reasons for rejection of previous application including obtaining all other related approvals with change in scope of the project.

As decided by the committee, the project proponent shall submit the above-mentioned details through hard copies as well as soft copies on online mode for further consideration of the project proposal BY UTEAC.

Sr. No.	File No.	Project Proponent		Status	
3.	UTEIAA/DNH-DD/2022/20	M/s. Limit		Polyester	Screening & Appraisal

Proposal : Proposed expansion project for manufacturing of manmade fibre (PSF)

from polyester chips

Address : Survey No. 178, 185/2, 216/1, 216/2, 216/3, 216/4, 216/5, 210/3,

213/1, 213/2, 213/3, 213/4, 214/1, 214/2, 215, 216/6, 216/7, 219, 223/1, 223/2, 223/4, 223/5, 225/2, 225/5, Dabhel Industrial Co. Op.

Soc., Dabhel, Daman (U. T, Daman, Daman and Diu-396210

Land Area Cost of : 274862 Sq. Mt the : INR 410Cr.

Project

# **Project Highlights**

Sr. No.	Particulars	Details
1	Total Plot Area	Existing WPL Complex: 214651 Sq. Mt
		Proposed: 60211 Sq. Mt
		Total: 274862 Sq. Mt
2	Greenbelt Area	93000 Sq. Mt. (33%)
3	Product with Production capacity	

S.	Product	Production Capacity (KTA)			
No.		Existing	Proposed	Total	
1.	Partially Oriented Yarn (POY)/ Fully drawn Yarn (FDY)#	328.5	584.0	912.5	
2.	Polyester Staple Fiber (PSF)#	-	547.5	547.5	
3.	Polyester Staple Fiber (PSF) from Polyester Chips*		160.0	160.0	
	Total	328.5	1291.5	1620.0	

### Note:

- 1. \*POY, FDY & PSF manufactured through continuous polymerization process using raw materials such as PTA + MEG.
- 2. \*EC had obtained for Polyester Staple Fiber (PSF) from Polyester Chips vide F. No.: CF/DMN/13/2018-19/58 dated 3<sup>rd</sup> Jan 2020.

4	Raw Materials	Purified Terephthalic Acid - 0.858T/T
		• Mono Ethylene glycol - 0.325 T/T
		• Titanium Dioxide - 0.00272 T/T
		• Catalyst - 0.0003 T/T
		• Modifier - 0.00015 T/T
5	Cost of Project	Rs. 410 Crores
6	Capital and Recurring cost earmarked for environmental protection measures	Environmental Management Systems will be Rs. 46.70 crores and OpEx for environment
		protection & continual improvement will be Rs. 38.46 crores/ annum.
7	Total power requirement and its	Existing: 15.95 MW
	source	Proposed: 57.7 MW

		Total: 73.65 MW
8	Total fresh water requirement and its sources	Existing: 379 KLD (Fresh – 110.5 + Recycle – 268.5)
	sources	Domestic: 14 KLD
		• Industrial: 328 KLD
		Gardening: 37 KLD
		Proposed: 14096 KLD (Fresh – 9494.5 +
		Recycle – 4601.5)
		Domestic: 46 KLD
		• Industrial: 13767 KLD
		Gardening: 283 KLD
		<b>Total: 14475 KLD</b> (Fresh – 9605 + Recycle – 4870)
		Domestic: 60 KLD
		• Industrial: 14095 KLD
		Gardening: 320 KLD
9	Wastewater generation	Existing: 268.5 KLD
		Domestic: 11.5 KLD
		Industrial: 257 KLD
		Proposed: 4772.5 KLD
		Domestic: 38.5 KLD
		Industrial: 4734 KLD
		Total: 4915 KLD
		Domestic: 50 KLD
10		Industrial: 4865 KLD
	Wastewater management	<ul> <li>The total wastewater generated from the existing operations is 268.5 KLD (Domestic: 11.5 KLD &amp; Industrial: 257 KLD). The streams like process washing, effluent from CP, softener regeneration along with septic tank overflow@189.5 KLD are treated in in-house ETPand recycled for cooling tower makeup. Remaining 79 KLD cooling tower blowdown is recycled (i.e. 50 KLD is recycled for cooling tower makeup &amp; 29 KLD is recycled for greenbelt developement).</li> <li>After proposed expansion projects, the total wastewater generation will be 4915 KLD.</li> </ul>
		The streams like process washing, effluent from CP, effluent from PSF along with septic tank overflow @2240 KLD will be treated in in-house ETP. Treated water @50 KLD will be used for greenbelt development.  • The utility streams like softener regeneration, DM plant regeneration, Boiler blowdown & cooling tower blowdown along with remaining ETP treated effluent @4865 KLD will be diverted to RO system. Reject

		from RO @243 KLD will be sent to MEE for evaporation. Permeate from RO along with MEE condensate @4820 KLD will be recycled for industrial uses.
11	Utility Requirements	<ul> <li>Existing:</li> <li>TFH - 2 Nos. (Capacity: 10 Million KCal/hr each)</li> <li>D.G. Set: 12 Nos. (Capacity: 625 kVA each)- as Standby power source.</li> <li>Proposed Additional for CP:</li> </ul>
		<ul> <li>FO/ NG fired TFH - 6 Nos. (Capacity: 10 Million KCal/hr each) (Working - 5 + standby-1) ORBiomass Briquette fired TFH - 3 Nos. (Capacity: 25 Million KCal/hr each) (Working - 2 + standby-1)</li> <li>FO/ NG fired Steam Boiler: 4 Nos. (Capacity: 20 TPH) (Working - 3 + standby-1) ORBiomass Briquette fired Steam Boiler: 3 Nos. (Capacity: 30 TPH)</li> </ul>
		(Working – 2 + standby-1) • D.G. Set: 30 Nos. (Capacity: 625 kVA each)- as Standby power source.
		Proposed Additional for PSF from Polyester Chips:
		• FO/ NG fired Steam Boiler: 3 Nos. (Capacity: 10 TPH) (Working - 2 + standby-1)
		• D.G. Set: 15 Nos. (Capacity: 625 kVA each)- as Standby power source.
12	Fuel Requirement	Existing:
		• FO – 25 KLD <u>OR</u>
		Natural Gas – 29760 scm/day
		• LDO – 100 L/hr
	其 表 接 (2.4.2) 计设置 (2.6.6)	Proposed:
		• FO – 200 KLD <u>OR</u>
		• Natural Gas – 232080 scm/day <u>OR</u>
		Biomass Briquette – 450 TPD     LDO – NIL
		Total:
		• FO – 225 KLD <b>OR</b>
		Natural Gas – 261840 scm/day OR
		• Biomass Briquette – 450 TPD
		• LDO – 100 L/hr
13	Air pollution control measures	<ul> <li>Off gases generated as process emission are to be burnt in Thermic fluid heater.</li> <li>In existing operations FO &amp; LDO are used</li> </ul>
		as fuel.  • For the proposed expansion project, it is proposed to use either of NG/ FO/ Biomass Briquette as fuel options in TFH and Boilers

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14	Man Power	<ul> <li>The D.G. Sets act as standby unit and are utilized only in case of power failure.</li> <li>Multi-cyclone with Bag filter will be used as APCM in Biomass Briquette fired TFH &amp; ESP to Biomass Briquette fired boilers to control PM emission.</li> <li>Adequate chimney height is/ will be provided.</li> <li>Good housekeeping to be maintained in the plant.</li> <li>Existing: 250 Nos.</li> <li>Proposed: 626 Nos.</li> <li>Total: 876 Nos.</li> </ul>
15	Hazardous wastes	<ul> <li>ETP waste - 122 T/Month,</li> <li>MEE Salt - 360 T/Month</li> <li>Used Oil- 625 L/Month,</li> <li>Empty bags- 97250 Nos./Month,</li> <li>Empty PP Liner- 61500 Nos./Month,</li> <li>Empty drums- 1050 Nos./Month,</li> <li>Polymer waste- 48.2 T/Month</li> <li>Fly Ash - 955 T/Month</li> </ul>
16	Hazardous waste management	<ul> <li>The Hazardous wastes are handled, stored &amp; transported as per CPCB/ MoEF&amp;CC Guidelines</li> <li>ETP sludge is/ will be disposed to GEPIL, Silvassa or to be sent for Co-processing to Cement Industry.</li> <li>MEE salt will be disposed to GEPIL, Silvassa.</li> <li>Empty bags/ PP liners is/ will be sold to authorized scrap vendor.</li> <li>Empty drums is/ will be sold to authorized reconditioners</li> <li>Used oil is/ will be sold to registered recyclers/ reprocessors.</li> <li>Polymer waste is/ will be sold to actual users.</li> <li>Fly ash will be sold to brick manufactureres/ neighbouring farmers to use as manure.</li> </ul>
17	Noise Expected levels Inside the plant: <85dB(A)	<ul> <li>The noise generation inside plant is expected in a range from 75- 90 dB(A).</li> <li>In CP plant, DCS based operating system is/will be provided. Minimum manual operation is/will be done. Safety PPE like earplugs &amp; ear muffs are/will be provided to workers.</li> <li>Also, acoustic enclosure is/will be provided to D.G. Set. Regular maintenance of equipment is/will be done to minimize the noise generated by the equipment.</li> </ul>

### Observations / Discussions: -

The project proponent gave detailed presentation of the project. After thoroughly going through the presentation and on checking documents submitted by the project proponent, the following points were emerged during the meeting and the project proponent was asked to clarify the points and support it with required documents.

- The project is not permitted to draw freshwater from ponds without due approval by authority. The unit is only permitted to draw freshwater from Daman Ganga Canal Distributary after prior approval.
- 2) The project proponent shall re-submit the water balance diagram of the project proposal by reducing the fresh water requirement for gardening purpose. The requirement of water of garden and Greenbelt development should be met out of treated ETP water only. Further, the total water requirement and projected loss of water from boilers and cooling tower blowdown be reassessed and indicatedin water balance diagram.
- 3) Provisions for open spaces/ areaswith recreational facilities shall be provided for local workers with demarcation and such areas shall not be used for storage of materials/ goods and details of same shall be provided. The project proponent shall submit a detail note in this regard.
- 4) It is found that UTEIAA had issued EC vide letter dated 24<sup>th</sup> July 2019 considering the project as category B2 project without public hearing. The project proponent shall submit detail note on this about changes made making it B1.
- 5) It is observed that MoEF&CC has issued Environmental Clearance to the project vide its letter dated 25<sup>th</sup> September, 2008 and 03<sup>rd</sup> January, 2020, but the details are not submitted in Form-1. The project proponent shall submit the copies of ECs along with details.
- 6) The ToR issued by MoEF&CC does not indicate the production capacity for proposed expansion of the projects. The project proponent shall attach copy of pre-feasibility report submitted to MoEF&CC while applying for ToR.
- 7) Copies of certified compliance report of earlier ECissued by IRO Bhopal and IRO Gandhinagar shall be submitted along with action taken report on non compliances/violations.
- 8) The wildlife conservation plan to be resubmitted by increasing the budgetary provisions. Further, the plan should be site specific giving details on site specific interventions suggested for the scheduled species with reference to augmentation of feeding,nesting and breeding areas including water holes for fiveSchedule-1 species.



- 9) The details of sites where the baseline concentration of PM10 has been considerably increased shall be resubmitted indicating other industries polluting the area and control measures.
- 10) A note with the details of existing products being manufactured along with its pollution potential and project details of those components/ section of the projects which do not require EC to be attached with Form-1.
- 11) Site inspection may be carried out by UTEAC to observe the compliance status and the state of new site being proposed for expansion project.

As decided by the committee, the project proponent shall submit the above-mentioned details through hard copies as well as soft copies for further consideration of the projectproposal for grant of Environmental Clearance.

The meeting concluded with vote of thanks to the Chair and Members.

Joju P. Alappatt, IFS (DCF, Daman & Diu) Member Secretary, UTEAC