



# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## Application for Consent/ Authorisation

Sir,  
I/We hereby apply for\*

- Consent to Establish/Operate/Renewal of consent under section 25 and 26 of the Water (Prevention & Control of Pollution) Act, 1974 as amended.
- Consent to Establish/Operate/Renewal of consent under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended.
- Authorization/renewal of authorization under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 in connection with my/our/existing/proposed/altered/ additional manufacturing/processing activity from the premises as per the details given below.

## Consent Information

**UAN No:**  
MPCB-CONSENT-0000139257

**Application submitted on:**  
18-05-2022

## Industry Information

**Consent To:**  
Operate

**IIN No.:**

**Submit to:**  
SRO - Kalyan II

**Type of institution:**  
Industry

**Industry Type:**  
R44 Industry or process involving metal surface treatment or process such as pickling/ electroplating/paint stripping/ heat treatment using cyanide bath/ phosphating or finishing and anodizing / enamellings/ galvanizing

**Category:**  
Red

**Scale:**  
M.S.I

**Location of industry/activity/etc:**  
MIDC

**Name of MIDC:**  
Additional Ambarnath MIDC,

**EC Req'd.**  
No

**Whether construction-buildup area is more than 20,000 sq.mtr.(Existing Expansion Unit)**

No

## General Information

- Name, designation, office address with Telephone/Fax numbers, e-mail of the Applicant Occupier/Industry/Institution / Local Body.

**Name**  
Khashaba Mhoparekar

**Address**  
MIDC, Additional Ambarnath, Ambarnath (E).,Thane

**Designation**  
Proprieter

**Taluka**  
Ambarnath

<b>Area</b>	<b>District</b>
800 sq.m.	Thane
<b>Telephone</b>	<b>Fax</b>
9967130444	
<b>Email</b>	<b>Pan Number</b>
purchase@rkenggworks.in	ALGPM7130C

2. (a) Name and location of the industrial unit/premises for which the application is made (Give revenue Survey Number/Plot number name of Taluka and District, also telephone and fax number)

**Industry name**

M/S. R.K.Engineering Works

**Location of Unit**

MIDC Additional Ambernath

**Taluka**

Ambernath

**Survey number/Plot Number**

Plot No.: N-70

**District**

Thane

(b) Details of the planning permission obtained from the local body/Town and Country Planning authority/Metropolitan Development authority/ designated Authority.

**Planning permission**

MIDC

**Planning Authority**

MIDC

Name of the local body under whose jurisdiction the unit is located and Name of the licence issuing authority

**Name of Local Body**

MIDC

**Name of the licence issuing authority**

MIDC

3. Names,addresses with Telephone and Fax Number of Managing Director / Managing Partner and officer responsible for matters connected with pollution control and/or Hazardous waste disposal.

**Name of Managing Director**

Mr.Khashaba Shripati Mhoparekar

**Telephone number**

9967130444

**Fax number**

NA

**Officer responsible for day to day business**

Mr. Rahul K Mohaprekar

4. (a.) Are you registered Industrial unit ?

Yes

**Registration number**

ROK/SRO I/g-ssi/KN-4268/0010/24/26/11/2010

**Date of registration**

Apr 6, 2021

5. Gross capital investment of the unit without depreciation till the date of application (Cost of building, land, plant and machinery). (To be supported by an affidavit/undertaking on Rs.20/- stamp paper, annual report or certificate from a Chartered Accountant for proposed unit(s), give estimated figure)

<b>Gross capital (in Lakh)</b>	<b>* Verified</b>	<b>* Terms</b>	<b>* Consent Fee</b>
1387.00	Undertaking	5	250000.00

6. If the site is located near sea-shore/river bank/other water bodies/Highway, Indicate the crow fly distance and the name of the water body, if any.

<b>Distance From</b>	<b>Distance(Km)</b>	<b>* Name</b>
SH/NH	20.00	Mumbai-Pune Highway
River	8.00	Ulhas
Human Habitation	0.00	--NA--
Religious Place	0.00	--NA--
Historical Place	0.00	--NA--
Creek/Sea	0.00	--NA--

6b. Enter Latitude and Longitude details of site

Latitude	Longitude
19.18	73.19

7. Does the location satisfy the Requirements Under relevant Central/State Govt. Notification such as Coastal Regulation Zone. Notification on Ecologically Fragile Area, Industrial Location policy, etc. If so, give details.

Location	Approved Industry Area	Sensitive Area	If Yes, Name Of Area	Industry Location with Reference to CRZ
MIDC	Yes	No	MIDC Additional Ambernath	

8. If the site is situated in notified industrial estate,

	Details
(a) Whether effluent collection, treatment and disposal system has been provided by the authority.	No
(b) Will the applicant utilize the system, if provided.	NA
(c) If not provided, details of proposed arrangement.	Industry has provided ETP of 5 CMD & Septic tank followed by Soak pit

9.

(a) Total plot area (in squire meter)	(b) Built up area and (in squire meter)	(c) Area available for the use of treated sewage/ trade effluent for gardening/irrigation. (in squire meter)
17192	7042.57	568

10. Month and year of commissioning of the Unit.

2022-06-20

11. Number of workers and office staff

Workers	staff	Hrs. of shift	Weekly off
35	10	8	Friday

12.

(a) Do you have a residential colony Within the premises in respect of Which the present application is Made ?	No	NA	
(b) If yes, please state population staying			
Number of person staying	Water consumption	Sewage generation	Whether is STP provided?
	0	0	No
(c) Indicate its location and distance with reference to plant site.			
Number of person staying	Water consumption		
NA	0		

13. List of products and by-products Manufactured in tonnes/month, Kl/month or numbers/month with their types i.e.Dyes, drugs etc. (Give figures corresponding to maximum installed production capacity

Products Name and Quantity

Product Name	UOM	Product Name	Existing	Consented	Proposed Revision	Total	Remarks
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OTHERS	MT/M	Hot Dip Galvanizing	1000	00	1000	1000	NA
OTHERS	MT/M	MS Fabrication	500	00	500	500	NA

Products Name and Quantity

Product Name	UOM	Quantity	Remarks
NA	--NA--	0	NA

14. List of raw materials and process chemicals with annual consumption corresponding to above stated production figures, in tonnes/month or kl/month or numbers/month.

Name of Raw Material	UOM	Quantity	Hazardous Waste	Hazardous Chemicals	Remarks
Zinc	MT	35	No	No	NA
Galva Flux	MT	10	No	No	NA
HCL	MT	25	No	No	NA
MS Material	MT	1500	No	No	NA

15. Description of process of manufacture for each of the products showing input, output, quality and quantity of solid, liquid and gaseous wastes, if any from each unit process.

Process Flow Chart enclosed herewith

Part B : Waste Water aspects

16. Water consumption for different uses (m3/day)

Purpose	Consumption	Effluent Generation	Treatment	Remarks	Disposal	Remarks
Domestic Pourpose	4.00	2.5	Septic Tank	-NA-	Others	NA
Water gets Polluted & Pollutants are Biodegradable	3.00	2.5	Primary + Tertiary	NA	Recycle	Recycled water is use for rensing water after pickling used
Water gets Polluted,Pollutants are not Biodegradable & Toxic	0	0	--NA--	0	--NA--	0
Industrial Cooling,spraying in mine pits or boiler feed	1.0	0	--NA--	NA	--NA--	0
Others	Gardening- 2 CMD( Fresh)					

17. Source of water supply, Name of authority granting permission if applicable and quantity permitted.

Source of water supply	Name of MIDC	Name of authority granting permission	Qauntity permitted
MIDC	Additional Ambernath MIDC,	MIDC	10

18. Quantity of waste water (effluent) generated (m3/day)

Domastic	Boiler Blowdown	Industrial	Cooling water blowdown
2.5	0	2.5	0

<b>Process</b>	<b>DM Plants/Softening</b>	<b>Washing</b>	<b>Tail race discharge from</b>
0	0	0	0

\* 19. Water budget calculations accounting for difference between water consumption and effluent generated.

Attached as annexure

20. Present treatment of sewage/canteen effluent (Give sizes/capacities of treatment units).

**Capacity of STP (m3/day)**

0

<b>Treatment unit</b>	<b>Size (mxm)</b>	<b>Retention time (hr)</b>
0	0	0

21. Present treatment of trade effluent (Give sizes/capacities of treatment units) (A schematic diagram of the treatment scheme with inlet/outlet characteristics of each unit operation/process is to be provided. Include details of residue Management system (ETP sludges)

**Capacity of ETP (m3/day)**

5

<b>Treatment unit</b>	<b>Size (mxm)</b>	<b>Retention time (hr)</b>
Collection Tank	21	33.6
Reaction cum settling Tank-01	2.5	4.0
Reaction cum settling Tank-02	2.5	4.0
Chemical Dosing	0.25	0.25
Intermediate Collection Tank	2.08	3.3
Sludge holding Tank	1.144	1.8
Pressure Sand Filter	0.09	0.1
Activated Carbon Filter	0.09	0.1
Final Collection Tank	1	1.6
Sludge Drying Bed	0.7	1.1
Filter Press	2.16	3.5

22.

**(i) Are sewage and trade effluents mixed together?** No

**If yes, state at which stage-Whether before, intermittently or after treatment.** NA

23. Capacity of treated effluent sump, Guard Pond if any.

**Capacity of treated effluent sump (m3)** 1

**Effluent sump/Guard pond details** Yes Attached as annexure

**If yes, state at which stage-Whether before, intermittently or after treatment.** No NA

24. Mode of disposal of treated effluent With respective quantity, m3/day

<b>(i) into stream/river (name of river)</b>	0	<b>(ii) into creek/estuary (name of Creek/estuary)</b>	0
<b>(iii) into sea</b>	0	<b>(iv) into drain/sewer (owner of sewer)</b>	0

(v) On land for irrigation on owned land/ase land. Specify cropped area.

0

(vi) Connected to CETP

0

(vii) Quantity of treated effluent reused/ recycled, m3/day Provide a location map of disposal arrangement indicating the outler(s) for sampling. Treated effluent reused / recycled (m3/day)

2

25. (a) Quality of untreated/treated effluents (Specify pH and concentration of SS, BOD,COD and specific pollutants relevant to the industry. TDS to be reported for disposal on land or into stream/river.

#### Untreated Effluent

pH 6.5-8.5

SS (mg/l) 400-500

BOD (mg/l) 500-600

COD (mg/l) 100-200

TDS (mg/l) 500-1200

Specific pollutant if any Name Value

1 NA 0

#### Treated Effluent

pH 5.5-9.0

SS (mg/l) < 30

BOD (mg/l) < 50

COD (mg/l) < 20

TDS (mg/l) < 2100

Specific pollutant if any Name Value

1 NA 0

(b) Enclose a copy of the latest report of analysis from the laboratory approved by State Board/ Committee/Central Board/Central Government in the Ministry of Environment expected characteristics of the untreated/treated effluent

NA as applying for consent to 1st operate

#### 26. Fuel consumption

Fuel Type	UOM	Fuel Consumption TPD/LKD	Calorific value
Diesel	Ltr/Hr	10	11000

Ash content	Sulphur content	Quantity	Other (specify)
0.01	0.005	1	NA

Fuel Type	UOM	Fuel Consumption TPD/LKD	Calorific value
PNG	Kg/Hr	100	8350

Ash content	Sulphur content	Quantity	Other (specify)
0	0	1	0

27. (a) Details of stack (process & fuel stacks: D. G. )

(a) Stack number(s)	(b) Stack attached to	(c) Capacity	(d) Fuel Type
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1	DG Set (KVA)	125 KVA	Diesel-10 Lit/hr
<b>(e) Fuel quantiy (Kg/hr.)</b>	<b>(f) Material of construction</b>	<b>(g) Shape (round/rectangular)</b>	<b>(h) Height, m (above ground level)</b>
10	MS	Round	3 m
<b>(i) Diameter/Size, in meters</b>	<b>(j) Gas quantity, Nm3/hr.</b>	<b>(k) Gas temperature °C</b>	<b>(l) Exit gas velocity, m/sec.</b>
0.1	3	120	3
<b>(m) Control equipment preceding the stack</b>	<b>(n) Nature of pollutants likely to present in stack gases such as Cl2, Nox, Sox TPM etc.</b>	<b>(o) Emissions control system provided</b>	<b>(p) In case of D.G. Set power generation capacity in KVA</b>
Inbuilt acoustic enclosure with 3 m stack Height	SO2	3 m stack height	NA

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<b>(a) Stack number(s)</b>	<b>(b) Stack attached to</b>	<b>(c) Capacity</b>	<b>(d) Fuel Type</b>
2	Furnace (Galvanizing Bath)	10 Ton	PNG
<b>(e) Fuel quantiy (Kg/hr.)</b>	<b>(f) Material of construction</b>	<b>(g) Shape (round/rectangular)</b>	<b>(h) Height, m (above ground level)</b>
100	MS	Rectangular	18 m
<b>(i) Diameter/Size, in meters</b>	<b>(j) Gas quantity, Nm3/hr.</b>	<b>(k) Gas temperature °C</b>	<b>(l) Exit gas velocity, m/sec.</b>
0.450	0	150	150
<b>(m) Control equipment preceding the stack</b>	<b>(n) Nature of pollutants likely to present in stack gases such as Cl2, Nox, Sox TPM etc.</b>	<b>(o) Emissions control system provided</b>	<b>(p) In case of D.G. Set power generation capacity in KVA</b>
Adequate stack height	Acid mist,TPM	Adequate stack height	125 KVA

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<b>(a) Stack number(s)</b>	<b>(b) Stack attached to</b>	<b>(c) Capacity</b>	<b>(d) Fuel Type</b>
3	Fume Extraction System(Acid Fume)	41000 CFM	NA
<b>(e) Fuel quantiy (Kg/hr.)</b>	<b>(f) Material of construction</b>	<b>(g) Shape (round/rectangular)</b>	<b>(h) Height, m (above ground level)</b>
0	PP+FRP	Round	14 m
<b>(i) Diameter/Size, in meters</b>	<b>(j) Gas quantity, Nm3/hr.</b>	<b>(k) Gas temperature °C</b>	<b>(l) Exit gas velocity, m/sec.</b>
0.07	0	30	0
<b>(m) Control equipment preceding the stack</b>	<b>(n) Nature of pollutants likely to present in stack gases such as Cl2, Nox, Sox TPM etc.</b>	<b>(o) Emissions control system provided</b>	<b>(p) In case of D.G. Set power generation capacity in KVA</b>
Ventury scrubber	Acid mist, TPM	Ventury scrubber	125 KVA

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<b>(a) Stack number(s)</b>	<b>(b) Stack attached to</b>	<b>(c) Capacity</b>	<b>(d) Fuel Type</b>
4	Fume Extraction System(Zinc bath)	40000 CFM	NA
<b>(e) Fuel quantiy (Kg/hr.)</b>	<b>(f) Material of construction</b>	<b>(g) Shape (round/rectangular)</b>	<b>(h) Height, m (above ground level)</b>
0	MS	Round	12 m
<b>(i) Diameter/Size, in meters</b>	<b>(j) Gas quantity, Nm3/hr.</b>	<b>(k) Gas temperature °C</b>	<b>(l) Exit gas velocity, m/sec.</b>
0.07	0	30	0
<b>(m) Control equipment preceding the stack</b>	<b>(n) Nature of pollutants likely to present in stack gases such as Cl2, Nox, Sox TPM etc.</b>	<b>(o) Emissions control system provided</b>	<b>(p) In case of D.G. Set power generation capacity in KVA</b>
Ventury scrubber	Zinc fume, TPM	Ventury scrubber	125 KVA

27. (B) Whether any release of odoriferous compounds such as Mercaptans, Phorate etc. Are coming out from any storages or process house.

No

28. Do you have adequate facility for collection of samples of emissions in the form of port holes, platform, ladder\etc. As per Central Board Publication “Emission regulations Part-III” ( December, 1985 )

<b>Poart hole</b>	Yes	<b>Details</b>	Provided as per CPCB guidelines
<b>Platform</b>	Yes	<b>Details</b>	Provided as per CPCB guidelines
<b>Ladder</b>	Yes	<b>Details</b>	Provided as per CPCB guidelines

29. Quality of treated flue gas emissions and process emissions. Quantity of treated flue gas emissions and process emissions.

<b>Sr. No</b>	<b>Stack attached to</b>	<b>Parameter</b>	<b>Concentration mg/Nm3</b>	<b>flow (Nm3/hr)</b>
1	D.G Set	SO2	40	3

(Specify concentration of criteria pollutants and industry/process-specific pollutants stack-wise. Enclose a copy of the latest report of analysis from the laboratory approved by State Board/Central Board/ Central Government in the Ministry of Environment & Forests. For proposed unit furnish expected characteristics of the emissions..

NA

Part - D: Hazardous Waste aspect

30. Information about Hazardous Waste Management as defined in Hazardous Waste (Management & Handling ) Rules, 1989 as amended in Jan.,2000. Type/Category of Waste as per

Waste (Annually) Schedule I

<b>Cat No</b>	<b>Type</b>	<b>Qty</b>	<b>UOM</b>
35.3	35.3 Chemical sludge from waste water treatment	300	Kg/M
<b>Max</b>	<b>Method of collection</b>	<b>Method of reception</b>	<b>Method of storage</b>
	Gunny Bags	Gunny Bags	Gunny Bags
<b>Method of transport</b>	<b>Method of treatment</b>	<b>Method of disposal</b>	
Special Vehical	Landfill	CHWTSDf	

Waste (Annually) Schedule II

31. Details about use of hazardous waste

<b>Name of hazardous waste/Spent chemical</b>	<b>Quantity used/month</b>	<b>Party from whom purchased</b>	<b>Party to whom sold</b>
NA	0	NA	NA

32.

a. Details about technical capability and equipments available with the applicant to handle the Hazardous Waste  
NA

b. Characteristics of hazardous waste(s) Specify concentration of relevant pollutants. Enclose a copy of the latest report of analysis from the laboratory approved by State Board/Central Board/Central Govt. in the ministry of Environment & Forests. For proposed units furnish expected characteristics  
NA

33.

Copy of format of manifest/record Keeping practiced by the applicant.  
We will maintain once operation is started after obtaining consent to operate.



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34.

**Details of self-monitoring (source and environment system)**

We shall appoint MOEF/NABL accredited lab.

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35.

**Are you using any imported hazardous waste. If yes, give details.**

No

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36.

**Copy of actual user Registration/certificate obtained from State Pollution Control Board/Ministry of Environment & Forests, Government of India, for use of hazardous waste.**

NA

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37.

**Present treatment of hazardous waste, if any (give type and capacity of treatment units)**

NA

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38. Quantity of hazardous waste disposal

**(i) Within factory**

0

**(ii) Outside the factory (specify location and enclose copies of agreement.)**

300

**(iii) Through sale (enclosed documentary proof and copies of agreement.)**

0

**(iv) Outside state/Union Territory, if yes particulars of (1 & 3 ) above.**

0

**(v) Other (Specify)**

0

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**Part - E: Additional information**

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39.

**a. Do you have any proposals to upgrade the present system for treatment and disposal of effluent/emissions and/or hazardous waste.**

NA

**b. If yes, give the details with time- schedule for the implementation and approximate expenditure to be incurred on it.**

NA

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40.

**Capital and recurring (O & M) expenditure on various aspect of environment protection such as effluent, emission, hazardous waste, solid waste, tree- plantation, monitoring, data acquisition etc. (give figures separately for items implemented/to be implemented).**

ETP and for control of Air emissions CI-48Lakhs Recurring - 4.8 Lakh

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41.

**To which of the pollution control equipment, separate meters for recording consumption of electric energy are installed ?**

To all pollution control equipment

42.

**Which of the pollution control items are connected to D.G. Set (captive power source) to ensure their running in the event of normal power failure**

To all pollution control equipment

43. Nature, quantity and method of disposal of non- hazardous solid waste generated separately from the process of manufacture and waste treatment. (Give details of area/capacity available in applicant's land)

Type	Quantity	UOM	Treatment	Disposal	Other Details
Metal Scrap	3	Ton/M	NA	Sale to authorized party	NA

44. Hazardous Chemicals – Give details of Chemicals and quantities handled and Stored.

**(i) Is the unit a Major Accident Hazard unit as per Mfg.Storage Import Hazardous Chemicals Rules ?**

NA

**(ii) Is the unit an isolated storage as defined under the MSIHC Rules ?**

NA

**(iii) Indicate status of compliance of Rules 5,7,10,11,12,13 and 18 of the MSIHC Rules.**

NA

**(iv) Has approval of site been obtained from the concerned authority?**

NA

**(v) Has the unit prepared an off-site Emergency Plan? Is it updated ?**

NA

**(vi) Has information on imports of Chemicals been provided to the concerned authority?**

NA

**(vii) Does the unit possess a policy under the PLI Act?**

NA

45. Brief details of tree plantation/green belt development within applicant's premises ( in hectares )

Open Space Availability	Plantation Done On	Number of Trees Planted
1719 Square meter	568 Square meter(33 %)	94

46.

**Information of schemes for waste Minimization, resource recovery and recycling - implemented and to be implemented, separately.**

Industry shall adopt the 3R policy for waste minimization

47.

**(a) The applicant shall indicate whether Industry comes under Public Hearing, if so, the relevant documents such as EIA, EMP, Risk Analysis etc. shall be submitted, if so, the relevant documents enclosed shall be indicated accordingly.**

NA

**(b) Any other additional information that the applicants desires to give**

NA

**(c) Whether Environmental Statement submitted ? If submitted, give date of submission.**

NA

48.

**I/We further declare that the information furnished above is correct to the best of my/our knowledge.**

49.

**I/We hereby submit that in case of any change from what is stated in this application in respect of raw materials, products, process of manufacture and treatment and/or disposal of effluent, emission, hazardous wastes etc. In quality and quantity; a fresh application for Consent/Authorization shall be made and until the grant of fresh Consent/Authorization no change shall be made.**

50.

**I/We undertake to furnish any other information within one month of its being called by the Board**

**Yours faithfully**

**Signature :**  
**Name : Kashaba Shripati Mohaprekar**  
**Designation : Proprietor**

**Additional Information**

**Air Pollution**

Sr No.	Air Pollution Source	Pollutants	APCS Provided	Remark
1	D.G SET-125 LVA	SO2	3m stack height	NA
2	Furnace(Galvanizing Bath)	Acid Mist, TPM	Adequate Stack hieght	NA
3	Fume Extraction System(ACID fUme)	Acid Mist, TPM	Vetury Scrubber	NA
4	Fume Extraction System(Zinc Bath)	Zinc Fume, TPM	Vetury Scrubber	NA

<b>Separate EM Provided</b>	No	<b>Other Emission Sources</b>	NA
<b>Measures Proposed</b>	NA	<b>Foul Smell Coming Out</b>	No
<b>Air Sampling Facility Details</b>	Provided as per CPCB guidelines		

**D.G. Set Details**

Description	Capacity(KVA)	Remarks
D.G Set	125	Details attached as annexure

**Hazardous Waste Generation**

Hazardous Waste	Quantity	UOM	Treatment	Disposal	Other Details
35.3 Chemical sludge from waste water treatment	300	Kg/M	Landfill	CHWTSDF	Membership of MWML attached as annexure

**CHWTSDF Details**

Member of CHWTSDF	CHWTSDF Name	Remarks
Yes	Mumbai Waste Management Limited (MWML)	Membership attached as annexure

**Cess Details**

Cess Applicable	Cess Paid	If Yes, UpTo
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Legal Actions

Legal Action Taken	Legal Record Of Company	Legal Action Details	Remarks
No			