

**MINUTES OF THE 111th MEETING OF THE
GOA STATE POLLUTION CONTROL BOARD
HELD ON 24th JANUARY, 2014 AT 3:00 pm
IN THE BOARD'S CONFERENCE HALL**

1. The 111th meeting of the Goa State Pollution Control Board was held on 24th January, 2014 at 3.00 pm in the Conference hall of the Goa State Pollution Control Board.

The following members / officials attended the meeting

1.	Mr. Jose Manuel Noronha, Chairman, Goa State Pollution Control Board.
2.	Addl. Principal Conservator of Forests, Department of Forests was represented by Mr. N. D. Naik, Dy. Chief Conservator of Forests.
3.	Chief Engineer, Water Resources Dept was represented by Mr. Ashok Kamatar, S.W
4.	Director of Industries, Trade and Commerce was represented by Assistant Director (Industries)
5.	Director of Tourism was represented by Mr. Narendra Shirodkar, Assistant Director
6.	Dr. Vassudev Deshprabhu, Chairperson, Pernem Municipal Council
7.	Mr. Tony Rodrigues, Councillor, Corporation of the City of Panaji
8.	Mr. Narayan Naik, Sarpanch, Village Panchayat Sancoale.
9.	Ms. Fatima Pereira, Sarpanch, Village Panchayat Velsao
10.	Mr. Shrirang Jamble, Agriculturist, Savoi - Verem
11.	Dr. Marconi Correia, Medical Practitioner, Cansaulim
12.	Mr. Levinson Martins, Member Secretary

Dr. Pramod Sawant, Vice Chairperson, Goa State Infrastructure Development Corporation and Mr. Shekhar Sardessai, President, Goa State Industries Association, expressed their inability to attend the meeting. Leave of absence has been granted to them.

II. At the outset the Chairman welcomed all the members present for the 110th meeting of the Goa State Pollution Control Board. Thereafter, the agenda items were taken up for discussion:

Agenda Item no. 01

Confirmation of the minutes of the 110th meeting of the Goa State Pollution Control Board held on 23rd October, 2014.

The members perused and confirmed the minutes of the 110th meeting of the Goa State Pollution Control Board held on 23rd October, 2014, so as to enter the same in the minutes book.

Agenda Item no. 02

Follow up action on the decision taken at the 110th Meeting of the Board.

Agenda item no. 02 – Agenda item no. 18 , 4, 5, 6, 8 to 2, Table item nos. 1 to 4 – The members noted the same.

Agenda Item no. 03

Follow up action on the decision taken at the 108th meeting of the Board held on 10/06/2013.

Agenda item no. 04 – The members noted the exercise undertaken by the Board for auctioning the Tempo Traveler (Mobile Laboratory) bearing registration no. GA-01-T-8332. After deliberations it was decided that since expenditure is already incurred on advertisement, it is not feasible to re-advertise for the sale of the vehicle.

After deliberations it was decided to sell the vehicle to Mr. Lourenco Fernandes for an amount of Rs. 80,000/- as quoted by him.

Agenda item no. 26 – The members perused the item with respect to the proposal for construction of laboratory building for the Goa State Pollution Control Board and staff quarters on lease basis for a period of 99 years with a lease rent for the first 33 years @ of Rs. 25/- per sq. mtr. per year i.e Rs. 1,20,075/- per year, totaling to Rs. 39,62,475/- for a period of 33 years to be deposited in advance by the Goa State Pollution Control Board and the lease to be further extended beyond 33 years with mutual consent and the lease rent for the extended period of lease to be fixed at the end of 33 years.

After deliberation, the members decided to transfer a total amount of Rs. 39,62,475/- as lease rent for the first 33 years @ of Rs. 25/- per sq. mtr. per year i.e Rs. 1,20,075/- per year or a period of 33 years to the Department of Science, Technology & Environment, Government of Goa, Saligao Goa.

Chairman informed the members that he had approached the Goa State Infrastructure Development Corporation, a Government of Goa Undertaking, for carrying out

construction of the Board laboratory and staff quarters. However, GSIDC have informed that they are not in position to carry out the construction as they are already overburdened. After deliberations it was resolved as follows:

'Chairman, Goa State Pollution Control Board is hereby authorized to appoint an Architect for preparation of design and drawings for the construction of laboratory building and staff quarters for the Goa State Pollution Control Board.'

Agenda Item no. 04

Follow up action on the decision taken at the 105th (Special) meeting of the Board held on 1st November, 2013

Table Item no. 01 – (b) – The members noted the order passed by the Hon'ble Supreme Court to e-auction the stacked ore. Chairman informed the members that the Directorate of Mines and Geology has informed the Board that for disposal of the stocked ore after e-auctioning, necessary permissions under the Air (Prevention and Control of Pollution) Act, 1981 and under the Water (Prevention and Control of Pollution) Act, 1974, have to be obtained by the auctioneer. After deliberations the members approved for grant of Consent under the Air (Prevention and Control of Pollution) Act, 1981 and under the Water (Prevention and Control of Pollution) Act, 1974, for disposal of stacked ore, only after e-auction takes place.

It was also decided that handling and transportation of the auctioned ore be monitored by the Board, and the Board could levy the charges incurred on the said monitoring of the concerned mining unit.

Agenda Item no. 05

Application of M/s Manipal Hospital, Plot no. 164/1, Dr. E. Borges Road, Dona Paula, Goa, for Consent to Operate (expansion) under the Air Act and the Water Act.

The members perused the agenda item and approved for grant of Consent to Operate under the Air Act and Water Act to the expansion of M/s Manipal Hospital, to a proposed 280 bedded hospital.

Chairman informed the members that he had granted Consent for a period of three months, pending final approval of the Board. Since the hospital authorities had approached him stating that they would like to carry out a trial run of the facilities prior to full-fledged opening of the hospital for the public. He also informed the members that he had personally visited the hospital premises and was satisfied with the facilities.

While discussing on this issue, the members expressed concern that adequate facilities for handling and treatment of bio-medical waste needs to be created in the

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State. It was further expressed that large hospitals especially the modern ones would need to install its own captive bio-medical disposal facility. After detailed discussion, members approved that all hospitals providing 250 beds and above would have to compulsorily install captive bio-medical waste facility to take care of its own bio-medical waste

Agenda Item no. 06

Approval of the Revised Budget Estimates of the Goa State Pollution Control Board for the financial year 2013-2014 and Budget Estimate's of the Board for the financial year 2014-2015.

Chairman placed before the members of the Revised Budget Estimates for the financial year 2013-2014 and Budget Estimates for the financial year 2014-2015 and informed that the budget expenditure for 2014-2015 was proposed at Rs. 1772.20 lakhs. Chairman also informed that an amount of Rs. 763 lakhs has been provided for salaries and related expenditure. An amount of Rs. 300 lakhs has been earmarked for construction of Board laboratory and staff quarters.

After detailed discussion, the Revised Budget Estimates for the financial year 2013-2014 and Budget Estimate of the Goa State Pollution Control Board for the financial year 2014-2015 was approved. It was also resolved to forward the same to the Department of Science, Technology & Environment, Govt. of Goa

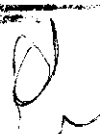
Agenda item no. 07

Application of M/s Vani Agro Farms Pvt. Ltd., Survey no. 81/2-A, Amdai, Taripanto, Sanguem Goa, for Consent to Establish under the Water Act and the Air Act.

The Chairman informed the members that the State's HPCC has cleared the proposal of M/s Vani Agro Farms Pvt. Ltd., for production of Extra Neutral alcohol with a capacity of 7950 Kl/annum, Impure spirit with a capacity of 450 Kl/annum and IMFL with a capacity of 8100 Kl/annum.

The HPCC has cleared the above proposal with a condition that the unit shall make provisions for rain water harvesting and re-charging of wells, within their premises, so as to recharge the ground water aquifer, which has been depleted. The members observed that the applicant unit may be required to take permission from the Ground Water Officers appointed under the Goa Ground Water Regulation Act, 2002, for construction of bore wells or utilization of the ground water in the area.

The members suggested that the unit should submit their plans for rain water harvesting and re-charge of wells along with designs to the Water Resource Department for scrutiny and approval.



The members approved the proposal of M/s Vani Agro Farms Pvt. Ltd., Survey no. 81/2-A, Amdai, Taripanto, Sanguem Goa, for Consent to Establish under the Air Act and the Water Act as approved by the HPCC and subject to the implementation of rain water harvesting and ground water recharge and the recommendations listed in the agenda notes.

Agenda item no. 08

Application of M/s Vani Agro Farms Pvt. Ltd., Survey no. 81/2-A, Amdai, Taripanto, Sanguem Goa, for Consent to Establish (expansion) under the Water Act and the Air Act.

The Chairman informed the members that the State's HPCC has cleared the proposal of M/s Vani Agro Farms Pvt. Ltd., for the manufacture of beer with a capacity of 2.5 lakhs H.L./annum.

The HPCC has cleared the above proposal with a condition that the unit shall make provisions for rain water harvesting and re-charging of wells, within their premises, so as to recharge the ground water aquifer, which has been depleted. The members observed that the applicant unit may be required to take permission from the Ground Water Officers appointed under the Goa Ground Water Regulation Act, 2002, for construction of bore wells or utilization of the ground water in the area.

The members suggested that the unit should submit their plans for rain water harvesting and re-charge of wells along with designs to the Water Resource Department for scrutiny and approval.

The members approved the proposal of M/s Vani Agro Farms Pvt. Ltd., Survey no. 81/2-A, Amdai, Taripanto, Sanguem Goa, for Consent to Establish (expansion) under the Air Act and the Water Act as approved by the HPCC and subject to the implementation of rain water harvesting and ground water recharge and the recommendations listed in the agenda notes.

Agenda item no. 09

Application of M/s Tata Consultancy Services Ltd., Plot no. 17-B, 5A, 5 B and 5C, Tivim Industrial Estate, Tivim, Bardez, for Consent to Establish (expansion) under the Water Act and the Air Act.

The Chairman informed the members that the State's HPCC has cleared the proposal of M/s Tata Consultancy Services Ltd., for the manufacture of Bank notes processing systems (Numerator CV, BPS C1, Stacker, ENC, TPS, Base Plate Assembly, etc.)- 1000 nos./month, SMT and through hole printed circuit board assemblies (PCB assemblies) - 10000 nos./month, Electro-Mechanical Assemblies- 500 nos./month.

The HPCC has cleared the above proposal with a condition that the unit shall make provisions for rain water harvesting and re-charging of wells, within their premises, so as to recharge the ground water aquifer, which has been depleted. The members observed that the applicant unit may be required to take permission from the Ground Water Officers appointed under the Goa Ground Water Regulation Act, 2002, for construction of bore wells or utilization of the ground water in the area.

The members suggested that the unit should submit their plans for rain water harvesting and re-charge of wells along with designs to the Water Resource Department for scrutiny and approval.

The members approved the proposal of M/s Tata Consultancy Services Ltd., Plot no. 17-B, 5A, 5 B and 5C, Tivim Industrial Estate, Tivim, Bardez, for Consent to Establish (expansion) under the Air Act and the Water Act as approved by the HPCC and subject to the implementation of rain water harvesting and ground water recharge.

Agenda item no. 10

Application of M/s Berger Paints India Ltd., Plot no. 316 & 317, Kundaim Industrial Estate, Kundaim Goa, for Consent to Establish (expansion) under the Water Act and the Air Act.

The Chairman informed the members that the State's HPCC has cleared the proposal of M/s Berger Paints India Ltd., for the manufacture of Solvent based paint - 3500 Kl/month, Distemper - 750 MT/month, Emission paint - 1800 kl/month, Resin - 2500 Kl/month

The HPCC has cleared the above proposal with a condition that the unit shall make provisions for rain water harvesting and re-charging of wells, within their premises, so as to recharge the ground water aquifer, which has been depleted. The members observed that the applicant unit may be required to take permission from the Ground Water Officers appointed under the Goa Ground Water Regulation Act, 2002, for construction of bore wells or utilization of the ground water in the area.

The members suggested that the unit should submit their plans for rain water harvesting and re-charge of wells along with designs to the Water Resource Department for scrutiny and approval.

The members approved the proposal of M/s Berger Paints India Ltd., Plot no. 316 & 317, Kundaim Industrial Estate, Kundaim Goa, for Consent to Establish (expansion) under the Air Act and the Water Act as approved by the HPCC and subject to the implementation of rain water harvesting and ground water recharge.

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Agenda item no. 11

Application of M/s JSW Jigarh Port Ltd., Berth no. 4, Mormugao Port Trust, Mormugao Goa for Consent to Establish under the Water Act and the Air Act.

The Chairman informed the members M/s JSW Jigarh Port Ltd, has submitted a proposal to handle finished steel products such as coils, slabs, bars, channels etc – 41667 MT/month.

The members approved the proposal of M/s JSW Jigarh Port Ltd., Berth no. 4, Mormugao Port Trust, Mormugao Goa for Consent to Establish under the Water Act and the Air Act, subject to the condition that the unit obtains approval from the State HPCC on Industries.

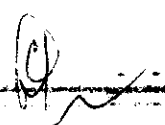
Agenda item no. 12

Application of M/s Adani Mormugao Port Terminal Pvt. Ltd., Berth No 7, Mormugao Port Trust Mormugao Port Trust, Mormugao Goa for Consent to Operate under the Water Act and the Air Act.

The Chairman informed the members M/s Adani Mormugao Port Terminal Pvt. Ltd, has submitted a proposal for mechanized handling of coal / coke of 5.2 MTPA.

Chairman informed the members that MPT had also moved an application for granting of Consent to Establish for handling coal / coke at berth no. 11, by establishing a full mechanized facility. Chairman further pointed out that this proposal was discussed by the Board at its meeting held on 23/10/2013 and the Board had taken into account that berth no. 5A and 6A were already handling coal to the extend to 6.8 million tons/annum and the Board had granted Consent to Establish to M/s Adani Mormugao Port Terminal to handle 5.2 MT/annum at berth no. 7. The members at that meeting had taken a considered view and directed MPT to submit a comprehensive EIA concerning air pollution as a result of coal / coke handling at berth no, 5A, 6A and 7 and the likely impact of establishing berth no. 11 for handling 1.5 million tons/annum

The members discussed the proposal of M/s Adani Mormugao Port Terminal Pvt. Ltd in detail and approved the same.



Agenda item no. 13

Amendment in Notification issued by the Department of Science, Technology and Environment, Government of Goa, vide Official Gazette – Extraordinary, Series I, No.50 dated 10th March, 2000.

Chairman informed the members that the Town and Country Planning Department, Government of Goa, at its Board meeting held on 26/08/2013 had decided that 'the Town and County Planning Board agreed to maintain the norms of minimum 15 metres distance between soak pit / septic tank from the well. It was also decided that such wells should be registered with competent authority i.e Water Resource Department.

He further informed that Goa State Pollution Control Board have conducted a preliminary study of some selective/ representative wells in the State of Goa through one time analysis of 42 wells located in Tiswadi, Sanguem, Quepem, Canacona, Ponda, Pernem, Bicholim, Sattari and Dharbandora Talukas. The microbiological analysis include testing of 3 parameters, i.e: Total Coliform (TC), Fecal Coliform (FC), and E.Coli to ascertain its biological contamination, if any.

Based on the analysis of data it has been inferred as under:

- (i) Most of the wells are contaminated with TC and FC. In cases of sloppy terrains with terrain gradient from toilet to well, the TC and FC is very high ranging from 35-540 MPN/100 ml and 4-5-46 MPN/100 ml respectively for TC and FC. Hence, it is probable that there is possibility of seepage from septic tank/soak pit (ST/SP) to the well. It may be noted that the distance of the ST/SP from the wells in these cases range from 17 – 35 mtrs.
- (ii) In cases of flat terrain, higher levels of TC and FC are observed in loamy (sandy), lateritic and gritty soils with TC and FC content ranging from 15->1600 MPN/100 ml and 540 MPN/100 ml respectively. It may be noted that the distance of the ST/SP from the wells in these cases range from 10-50 mtrs. Where the maximum concentration of TC (>1600MPN/100ml) is observed in a well which is located at the distance between 10-16mts.
- (iii) The wells in a given area show either very high or low contamination of TC/FC when the distances of ST/SP from the wells is small and big respectively. Conversely, very high or low contamination is also observed when the distance is big and small respectively.

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The Board discussed the issue at length and unanimously proposed that the minimum distance of septic tank / soak pit from the wells should not be less than 15 metres. It was also decided to communicate the same to the Department of Science, Technology & Environment for issue of a suitable Notification.

Agenda item no. 14

Purchase of a Tata Sumo vehicle for the Board office under the DGS & D rate contract

Chairman informed the members that the Board is required to conduct inspection with regard to Consent Management, Air Quality Monitoring, complaints etc. and present vehicles are not sufficient to meet the requirements.

While deliberating on the issue, the members suggested that a Mahindra Quanto was a better vehicle and also it costs less than Tata Sumo and since the Board does not possess a similar vehicle as yet, it was recommended that one be procured and utilized for monitoring purpose.

After deliberations, the members unanimously decided that:

‘The Goa State Pollution Control Board shall purchase a Mahindra Quanto vehicle for the Board office under the DGS & D rate contract scheme.’

Agenda item no. 15

Continuing Education Programmes for the staff of the Goa State Pollution Control Board

Chairman informed the members that the staff of the Board (Scientific and Technical) needs to be trained on the latest developments in technology related to Environment and Pollution Control. He further informed that he had a meeting with the Director of BITS Pilani, Goa Campus and has proposed for the following programmes:

- a. M. Tech in Environmental Engineering
- b. Ph.D in Environmental Science
- c. Short term training programmes.

After deliberations, the members agreed that imparting Continuing Education Programme for the staff of the Goa State Pollution Control Board would help the staff in acquiring knowledge on the latest trends in pollution control. After deliberations, the members authorized the Chairman of the Board to take action as required in the matter.

Agenda item no. 16

Representation from Alloy and Steel Manufacturers Association of Goa for using coal pulverizer in rolling mills as alternative fuel.

The Member Secretary informed the members that the Board had received a representation from Alloy and Steel Manufacturers Association of Goa for using coal pulverizer in rolling mills as alternative fuel. It was further informed that the Board had deputed Dr. Mohan Girap, Scientist 'C' and Mrs. Nandan Prabhudessai, Junior Environmental Engineer, of the Board to Kholapur to study the impact on environment due to utilizing of pulverized coal instead of furnace oil. The findings of the visit indicate that:

1. Requirement of higher grade of coal with reference to calorific value and lesser sulphur content.
2. Formation of 'Ash' as by-product which needs to be handled carefully to be used as raw material for value-added products (i.e. alternate use) instead of land filling.
3. Emission of 'Particulate matter' as the raw coal is crushed in a pulverizer between the hammers and the serrated liners. As such, it is mandatory to install an effective APC measures such as cyclone separator followed by wet or ventury scrubber.
4. Possibility of 'Fugitive emission' arising due to improper coal handling while storage and/or during transit/transportation.

The members further decided that in the absence of pollution control equipment as recommended by the Board and the continuous ambient air quality monitoring stations installed to the total satisfaction of the Board, all proposals for use of pulverized coal instead of furnace oil be rejected.

Table item no. 01

Application of M/s Yatch Heaven, Sancoale Bay, Plot no. 260/2, 260/9, 261/3, 261/9 and 307, Village Sancoale, Vasco Goa, for Consent to Establish under the Air Act and the Water Act.

Chairman informed the members that the Board is receipt of an application from M/s Yatch Heaven, Sancoale Bay, for establishing a Marina for 350 berths with associated facilities for boat / yatch repair, boat club, yatch training school, restaurant etc. on a proposed land of 50000 m², for obtaining Consent to Establish under the Water Act and the Air Act.

The members perused the agenda and objected to the same stating that the bio-
~~marine life of the place will be affected as the famous window-panes~~

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oysters would be wiped off due to discharge of sewage from this activity. The harvesting of oysters is the main livelihood of the Schedule tribe population of the State living in the vicinity

After deliberations, the members rejected the application for Consent to Establish of M/s Yatch Heaven, under the Air Act and the Water Act.

Table Item no. 02

Complaint received in this office with regard to setting up a Petrol Pump at Poriem, Sattari Goa.

Chairman informed the members that the office is in receipt of an application from M/s Harekrishna Petroleum, for Consent to Operate under the Water Act and the Air Act for setting up of a petrol. The members noted that the project proponent has obtained all the necessary approval from the State Government. The members also noted that the petrol pump is situated on the banks of river Valvanti, a drinking water source.

Chairman further informed that the Board had obtained views of the Water Resource Dept. in this regard and that the report did not present any factual detailed information.

The members perused the drawing submitted by the project proponent and it is seen that retaining wall and a compound wall has been constructed to prevent spillage of petrol in the river Valvanti. The project proponent was asked to present his proposal before the Board members and he has informed that necessary precautions have been taken to prevent spillage and runoff into the Valvanti river. He further stated that he owns a garden and a horticulture farm which exists near the petrol pump and there is no possibility of run-off into the river Valvanti.

After deliberations the members decided that a committee comprising the following Board members inspect the site along with the officials of the Board to get first hand information on the proposed works carried out by the project proponent. The inspection in this regard has been fixed on 29/01/2014

1. Mr. Shrirang Jamble
2. Mr. Narayan Naik
3. Mr. Tony Rodrigues

It was further decided that the report be submitted to the Chairman for further decision in the matter.

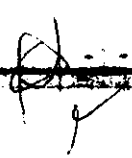


Table Item no. 3

Appointment of a Chartered Accountant to advise the Board on the finances with the regard to maintaining a Corpus fund.

Chairman informed the members that the Government has conveyed approval for creation of posts on temporary period of one year purely on contract basis. He further informed that the letter states that Goa State Pollution Control Board should create a corpus fund to meet the future requirements towards payment of retirement benefits. The GSPCB should reassess the requirements within a period of one year and re-submit the proposal thereafter. Accordingly, the Board has to appoint a Chartered Accountant to carry out this exercise.

Chairman further informed that the Board had taken the advice of Chartered Accountant, M/s R.K. Pikale & Associates, Panaji, and he had informed that an amount of a Corpus of Rs. 10 Crores is required in order to meet the requirements, which could be deposited in a Nationalized Bank.

After deliberations, it was decided to appoint Chartered Accountant, M/s R.K. Pikale & Associates, Panaji, to work out the present status of the finances of the Board and accordingly guide this office in creating a corpus fund to meet the future requirements towards payment of retirement and other benefits to the staff. The remuneration towards the services rendered by M/s R.K. Pikale & Associates, is to be approved by the Chairman. It was further decided that the amount so arrived by the Chartered Accountant be deposited in a Nationalized Bank.

Table item no. 04

Levy of fees on the Casino operator towards monitoring of sewage disposal

Chairman informed the members that the Board is required to carry out monitoring of casino vessels for disposal of their sewage to the sewage treatment plant through sewage tankers. In this regard the Scientific staff of the Board is required to remain present to maintain records of the same at the Casino vessel to unseal the holding tanks for disposal of the sewage from holding tanks to barges, from which it is then pumped into sewage tankers at the Jetty. The sewage tankers then dispose the sewage for treatment at the Sewage Treatment Plant at Tonca.

He further informed that the casino vessel, M/s M.V. Pride, disposes the waste on weekly basis, whereas the remaining three casinos vessels, namely, M/s Casino Royale, M/s Horseshoe and M/s Boa Sorte disposes their waste daily.

In order to meet the expenses towards monitoring of the disposal of the sewage generated by the casino vessels, it was decided to levy fees on the Casino vessels.



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After deliberations, it was decided to levy a fee of Rs. 5000/- per trip per casino vessel with regard to the monitoring carried out by the Board officials, and the casino operator to be informed accordingly.

Table item no. 05

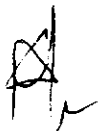
Proposal for levying of fees to Ayurvedic clinics, Spas, Massage parlours, puncture repair shops, hair cutting saloons, Physiotherapy units, X-ray units etc.

Chairman informed the members that based on the orders of the National Green Tribunal, the Board had directed all the industries to apply for Consent to Operate from the Board.

Small units like ayurvedic clinics, spas, massage parlours, physiotherapy units, X-ray units etc. which generate negligible amount of domestic waste water, negligible emission and only a small amount of solid waste, were issued Consent to Operate by the Board, on a fee of Rs. 3000/- with a validity of ten years.

After deliberations it was decided to include the services such as Ayurvedic clinics, Spas, Massage parlours, puncture repair shops, hair cutting saloons, Physiotherapy units, X-ray units etc. as Orange category and a fee of Rs. 3000/- for Consent to Establish, with a validity of three years from the date of commissioning of the unit, whichever is earlier and Rs. 3000/- for Consent to Operate with a validity of five years.

III. The meeting ended with thanks to the Chair.



(Levinson Martins)
Member Secretary



(Jose Manuel Noronha)
Chairman