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TAMILNADU POLLUTION CONTROL BOARD

CONSENT ORDER NO. : 2411

DATED : 27/12/2002

Proceedings No. : T2/TNPCB/F2745/TLR/H/2002

DATED : 27/12/2002

Consent for Establishment under Section 25 of the WATER (Prevention and Control of Pollution) Act, 1974,
as amended in 1988.

Sub : TNPC Board - Consent for establishment
MESSRS PHP STEEL ROLLING MILLS (MADRAS) LTD.,
S. NOS. 111/2B, 2C, 2C2, 2D2, 2D3, 2E & 2E2,
PERAVALLUR VILLAGE,
PUNNARI TALUK,
THIRUVALLUR DISTRICT.

For the establishment or take steps to establish the industry under Section 25 of
the WATER (Prevention and Control of Pollution) Act, 1974 as amended in 1988
(Central Act 53 of 1988).

- Ref : 1. YOUR APPLICATION NO. 51443, DATED 21.5.2001.
2. IR NO. DEE/TNPCB/TLR/RN-65/WAA/2001, DATED 6.6.2001.
3. LR. NO. T2/TNPCB/F2745/TLR/WAA/2001, DATED 31.12.2001.
4. MUEF, CBI, LR. NO. J-11011/35/2002-IAI(C), DATED 10.10.2002.

Board Resolution No :

DATED : 27/12/2002

Consent to establish or take steps to establish is hereby granted under Section 25 of the
WATER (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act 53 of 1988)
(hereinafter referred to as 'The Act') and the Rules and Orders made there under to

THE CHAIRMAN,
M/S. PHP STEEL ROLLING MILLS (MADRAS) LTD.,
(hereinafter referred to as 'The Applicant') authorising him/her/they to establish or take
steps to establish the industry in the site mentioned below:
S. NOS. 111/2B, 2C, 2C2, 2D2, 2D3, 2E & 2E2,
PERAVALLUR VILLAGE,
PUNNARI TALUK,
THIRUVALLUR DISTRICT.

This Consent to establish is valid for TWO years, or till the Industry obtains
consent to operate under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974
as amended in 1988 whichever is earlier.

S. Lalank
8/11/2003
For MEMBER SECRETARY
TAMIL NADU POLLUTION CONTROL BOARD
CHENNAI

- 2 -

To

✓
THE CHAIRMAN,
M/S. PHP STEEL ROLLING MILLS (MADRAS) LTD.,
237, KINT STREET,
PARK TOWN,
CHENNAI - 600 003.

Copy to : The District Environmental Engineer, Tamil Nadu Pollution Control Board

For information and necessary action,

Copy to : The Joint Chief Environmental Engineer, TNPCB,

THIRUVALLUR

Copy to : The Commissioner / Executive-Officer,

SHOLASHEERAN PANCHAYAT UNION, SHOLASHEERAN,
THIRUVALLUR DISTRICT.

Spere :

SPECIAL CONDITIONS

1. Details of the products manufactured

SL. NO.	DESCRIPTION	QUANTITY/MONTH
(1)	(2)	(3)
1.	MILD STEEL RODS & ANGLES	1500 TONNES
2.	M. S. INGOTS	1500 TONNES

This consent to establish is valid for the manufacture of products and the rate of production mentioned above. Any change in rate of and the quantity or quality of the products has to be brought to the notice of the Board.

2. The unit shall install Effluent Treatment Plant as proposed, to ensure that the effluents to be discharged shall satisfy the standards prescribed by the Board for disposal of effluents into inland surface waters/public sewers/marine coastal areas/for irrigation, as indicated in the Annexure-I.

3. The unit shall install sewage treatment system for the treatment of waste water arising out of the sanitary facility and waste water generated from the unit as proposed in the Annexure-I.

4. The unit shall construct effluent drains/catch drains/storm water drains separately and provide different colour, sign boards along with alignment of various drains as indicated in the site plan, furnished by the industry.

5. Each vessel/reactor should have its own catch pit for the collection of spills and each pump in the process section must be mounted on its own catch pit with the suction line of the pump connected to pit to empty it periodically/regularly/continuously.

6. It has to be ensured by the unit that the floors with the expanded metal, slotted angle steel sinks, steel grates shall be built to the maximum possible to avoid floor washings.

7. If the plant layout demands that the vessels should be installed in upper floor, it shall provide suitable system to minimise spill/leakages and also to collect and drain the spillages into effluent drain leading to the Effluent Treatment Plant by providing suitable gradient to the properly lined bottom floor.

8. The unit shall construct tank or lagoon of adequate capacity with compatible impervious material for the storage of hazardous/solid wastes.

9. The unit shall ensure that the corrosion prone areas and construction material liable to atmospheric and process induced corrosion shall be given special attention for immediate replacement with least preventive maintenance.

10. The unit has to provide facilities separately outside the main production plant for carrying out detoxification operations if any.

11. In order to collect spills from a particular vessel before the spilled materials get a chance for contamination with spills from another vessel, the two vessels must be installed at sufficient distance to ensure that inter-contamination cannot take place.

12. Flange joints in the pipelines should be avoided wherever possible.

13. The unit shall establish laboratory with adequate analytical equipments for analysing the trade effluent/sewage as well as samples of water collected from the wells nearby if any.

14. The unit shall construct compound wall around the boundary of the unit, to a height of metres from ground level.

15. The unit shall appoint an Environmental Engineer with experience of minimum three years in maintenance of waste water treatment plants, before commissioning, along with supporting staff, chemist, technician and operators.

TAMIL NADU POLLUTION CONTROL BOARD

-5-

-6-

GENERAL CONDITIONS

16. Following location specific conditions must be satisfied :

17. The following process specific conditions must be satisfied :

1. The above consent to establish cannot be construed as consent to operate.
2. The industry shall make a request for grant of consent to operate atleast sixty days before the commissioning of trial production.
3. The applicant shall maintain good house keeping both within the factory and in the premises. All pipes, valves, sewers and drains shall be leak proof. Floor washings shall be admitted in to the effluent collection system only and shall not be allowed to find their way to storm water drains or pen areas.
4. The unit has to provide sludge and silt traps and manholes along the effluent drains for periodical desludging and desludging operation.
5. All places of storage of solid/liquid material are to be dyked with bunding facilities and the flooring within the dyked and bunding area shall be lined with impervious materials depending upon the nature of the solid/liquid to be stored.
6. As the unit proposes to utilise the treated trade effluent on inland for irrigation, the land has to be made fit for irrigation in consultation with the agricultural scientist to avoid more pollution.
7. Samples of water from the wells or any other nearby water sources have to be taken by the unit and get them analysed by the Board Laboratory to develop base line data to assess the existing water quality.
8. The unit shall provide separate power connection for the Effluent Treatment Plant and install separate energy meter for the Effluent Treatment Plant as well as for aerators if any.
9. The unit shall provide an alternate power source sufficient to operate all the facilities to be installed in Effluent Treatment Plant by the applicant.
10. The consent does not authorise or approve the construction of any physical structures or facilities, or the undertaking of any work in any natural water course.
11. Any change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act.
12. The unit has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances.
13. Consent to operate will not be issued unless the unit complied with the conditions of consent to establish, otherwise, the order of consent to establish already issued will be revoked with immediate effect.

(Continued in Annexure-I)

S. Lalitha
For MEMBER SECRETARY
TAMIL NADU POLLUTION CONTROL BOARD
CHENNAI

8/11

S. Lalitha
For MEMBER SECRETARY
TAMIL NADU POLLUTION CONTROL BOARD
CHENNAI

8/11

CONSENT ORDER ESTABLISHMENT WATER NO 2411

ANNEXURE-1

SPECIAL CONDITIONS

18. The unit shall implement the Environment Management Plan as envisaged under REIS as per EIA notification 1974 issued by the Ministry of Environment and Forests, Government of India.
19. The unit has to ensure that the water used for cooling shall be kept under closed circuit system.
20. The unit shall dispose the cooling water bleed off on land for gardening after satisfying the standards prescribed by the Board.
21. The unit shall treat and dispose the sewage generated in existing and expansion plant in septic tank followed by dispersion trench after satisfying the standards prescribed by the Board.
22. The unit shall dispose the solid waste like slag as land fill then and there so as to avoid accumulation of solid waste within the premises.
23. Under no circumstances the untreated sewage/trade effluent shall gain access either directly or indirectly to surface or ground water sources.
24. The unit shall comply with the conditions stipulated in the Environmental Clearance accorded to the unit by the Ministry of Environment and Forests, Government of India, vide Lr.No. J-11011/35/2002-IA II(I), dated 10.10.2002.
25. The unit shall provide infrastructure facilities like land, building, equipment and maintenance only to the "HEALTH SUB-CENTRES" in the vicinity of the unit. Necessary details regarding plans for the building, procurement and maintenance of equipment can be had from the concerned Nodal Officer of the Health Department (Deputy Director, Health Services or Public Health Nurse in the office of Deputy Director, Health Services).
26. The unit shall obtain ISO 14000 certification before next renewal. The norms for the certificate shall be evolved in consultation with the Tamilnadu Pollution Control Board.
27. 25% of the land area acquired by the unit shall be developed as a green belt with trees having a thick canopy cover. The number of trees planted should be at the rate of 1500 trees/hect. The trees should be so planted as to act as a pollution check and therefore shall be planted in the periphery of the unit and wherever pollution is likely to be high. The species of trees should be chosen in consultation with the local District Forest Officer and seedlings should be atleast 2 mt. tall. The number of trees to be planted inside the premises shall be 300 and outside the premises shall be 600. The unit shall also maintain the trees planted outside the premises.
28. The consent to establish is issued without prejudice to the right of Tamilnadu Pollution Control Board to collect consent fees for this consent order at the rates to be revised by the Government of Tamilnadu.

29. The unit must provide Rainwater Harvesting facilities within the premises so as to increase the recharging of ground water in that area.

30. Within the unit premises the unit must ban the use of disposable/non-reusable plastic items like

- * Carry bags
- * Plastic tumblers
- * Plastic cups
- * Plastic coated paper plates
- * Plastic spread sheets
- * Plastic plates
- * Plastic straws
- * Plastic eating/drinking utensils
- * Plastic bottles

They should create awareness in the community around the factory regarding the non-use of such disposable/non-reusable plastics. They should also ensure that the premises outside the factory is clear of such plastic waste and other rubbish.

31. Composting through regular Aerobic composting methods must be done for all organic wastes. Recycling of recyclable wastes should also be done.

32. The unit shall furnish the Environmental Statement for the financial year ending the 31st March to Tamilnadu Pollution Control Board on or before the thirtieth day of September every year in Form V as per rule 14 of the Environment (Protection) Rule, 1986 as amended.

33. The unit may also examine whether packaging can be done in eco friendly materials such as

- * Paper
- * Gunny bags
- * Palm leaf mats
- * Jute
- * Cloth etc.

instead of plastic (thermocool or polystyrene is also a type of plastic and is not allowed) so that the company becomes truly environment friendly. The action taken may be reported in a month's time.

34. Transport carriers engaged by the unit must follow all the Government regulations including

- (i) The driver of the vehicle should be a licensed driver.
- (ii) The vehicles should have valid fitness certificate (FC), and emission under control certificate (EUCC) from the competent authority.
- (iii) The vehicles should not be fitted with air horns.

CONTROL BOARD

- (iv) The vehicles should not be loaded above the permitted capacity.
- (v) The vehicles should be covered so as to avoid spillage during transportation.
- (vi) The unit must engage a reputed transport agency of repute so that the safety aspects of transport are also taken care of.
- (vii) Only premix oil and petrol should be used for 2 stroke two and three wheelers owned/hired by the unit.
- (viii) The unit will be held responsible if any of the above conditions or Government laws or regulations are breached.

35. The premises of the factory both inside and outside should be kept clean. Attention should be given to good housekeeping within the premises and the immediate vicinity of the factory/unit. All pipes, valves, sewers and drains shall be leak proof. Floor washings should be drained into the effluent collection system only and should not be drained into storm water drains or open areas. There should not be any debris, plastic wastes, other rubbish etc., lying within or outside the factory.

36. The unit shall use low sulphur heavy stock (LSHS) oil or light diesel oil (LDO) as fuel.

S. V. S.
for MEMBER SECRETARY,
TNPC BD., CHENNAI-32.

TAMIL NADU POLLUTION CONTROL BOARD

CONSENT ORDER ESTAB. ISHMENT AIR NO. 1262

ANNEXURE-I

SPECIAL CONDITIONS

11. The unit shall implement the Environmental Management Plan as envisaged under REIS as per Environmental Impact Assessment Notification 1994 issued by the Ministry of Environment and Forests, Government of India.
12. The unit shall install water scrubbing system for the control of emission from the furnaces and the emission shall satisfy the Ambient Air Quality/emission standards prescribed by the Board.
13. Stack attached to oil fired furnace, Diesel Generator set shall be operated efficiently and the emission shall satisfy the Ambient Air Quality/emission standards prescribed by the Board.
14. Periodical monitoring has to be done to ensure compliance with the Ambient Air Quality/emission standards prescribed by the Board.

S. S. S. S.
MEMBER SECRETARY,
INPC BD., CHENNAI-32.

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TAMILNADU POLLUTION CONTROL BOARD

CONSENT ORDER NO. : 2362

DATED : 27/12/2002

Proceedings No. : T2/TNPCB/F2745/TLR/A/2002

DATED : 27/12/2002

Consent for Establishment under Section 21 of the AIR (Prevention and control of Pollution) Act, 1981,
as amended in 1987.

Sub : TNPC Board - Consent for establishment
MESSERS PMP STEEL ROLLING MILLS (MADRAS) LTD.,
S. NOS. 111/2B, 2C, 2C2, 2D2, 2D3, 2E & 2E2,
PERAVALLUR VILLAGE,
PENNERI TALUK,
THIRUVALLUR DISTRICT.

For the establishment or take steps to establish the industry under Section 21 of
the AIR (Prevention and Control of Pollution) Act, 1981 as amended in 1987

- Ref : 1. YOUR APPLICATION NO. 18971, DATED 21.5.2001.
2. IR NO. DEE/TNPCB/TLR/RM-85/HAA/2001, DATED 6.6.2001.
3. LR. NO. T2/TNPCB/F2745/TLR/HAA/2001, DATED 31.12.2001.
4. MDEF, GOI, LR. NO. J-11011/3S/2002-IA(1), DATED 10.10.2002.

BOARD RESOLUTION NO :

DATED : / /

Consent to establish or take steps to establish is hereby granted under Section 21 of the
AIR (Prevention and Control of Pollution) Act, 1981 as amended in 1987 and the Rules and Orders
made there under to
THE CHAIRMAN,
M/S. PMP STEEL ROLLING MILLS (MADRAS) LTD.,

(hereinafter referred to as 'The Applicant') authorising him/her/it to establish or take
steps to establish the industry in the site mentioned below:
S. NOS. 111/2B, 2C, 2C2, 2D2, 2D3, 2E & 2E2,
PERAVALLUR VILLAGE,
PENNERI TALUK,
THIRUVALLUR DISTRICT.

This Consent to establish is valid for TWO years, or till the Industry obtains
consent to operate under Section 21 of the AIR (Prevention and Control of Pollution) Act, 1981
as amended in 1987 whichever is earlier.

To

✓
THE CHAIRMAN,
M/S. PMP STEEL ROLLING MILLS (MADRAS) LTD.,
237, MINT STREET,
PARK TOWN,
CHENNAI - 600 003.

Copy to : The District Environmental Engineer, Tamil Nadu Pollution Control Board

For information and necessary action,

Copy to : The Joint Chief Environmental Engineer, TNPCB,

THIRUVALLUR

Copy to : The Commissioner / Executive Officer,
SHOLAYEERAN PANCHAYAT UNION, SHOLAVARAM,
THIRUVALLUR DISTRICT.

Spare :

S. Lalalank
For MEMBER SECRETARY
8/1/2003
TAMILNADU POLLUTION CONTROL BOARD
CHENNAI

SPECIAL CONDITIONS

1. Details of the products manufactured

SL. NO.	DESCRIPTION	QUANTITY/NOTH
(1)	(2)	(3)
1.	MILD STEEL RODS & ANGLES	<u>1500 TONNES</u>
2.	M. S. INGOTS	<u>1500 TONNES</u>

This consent is to establish is valid for the manufacture of Products and the rate of production mentioned above. Any change in the quantity or quality of the products has to be brought to the notice of the Board.

2. The height of following chimneys/stacks shall not be less than the figures indicated below for the discharge of emissions.

Chimney/Stack Number	Description of Chimney / Stack	Point of discharge in Metre (Above ground level)
1.	ELECTRICAL INDUCTION FURNACE	<u>30 METRES</u>
2.	REHEATING (OIL FIRED) FURNACE	<u>15 METRES</u>
3.	DIESEL GENERATOR SET - 10 KVA	<u>6 METRES</u>

3. The Unit shall install the following Air Pollution Control equipments / measures for the Control of emissions generated from the various sources of the plant.

A. For suspended particulate emission

SL. NO.	SOURCE	DETAILS OF CONTROL OF EQUIPMENT
1.	ELECTRICAL INDUCTION FURNACE	WET SCRUBBER
2.	REHEATING (OIL FIRED) FURNACE	WET SCRUBBER

B. For Gaseous Emission :

SL. NO.	SOURCE	DETAILS OF CONTROL OF EQUIPMENT
1.	ELECTRICAL INDUCTION FURNACE	STACK
2.	REHEATING (OIL FIRED) FURNACE	STACK
3.	DIESEL GENERATOR SET - 10 KVA	STACK

TAMIL NADU POLLUTION CONTROL BOARD

C. For Fugitive Emissions :

SL. NO.	SOURCE	DETAILS OF CONTROL
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4. The unit shall procure _____ Number of equipments for Continuous monitoring of Ambient Air Quality in respect of the parameters
5. The unit shall procure _____ Number of equipments for carrying out stacks monitoring for the _____ Parameters and keep ready.
6. The unit shall provide on line / automatic continuous stack monitoring unit for the stacks mentioned below :

SL. NO.	SOURCE	STACK	PARAMETERS
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7. The Unit shall provide sensors connected with the Alarm System for the following locations in the plant.

Sl. No.	Location of the Sensor	No. of Sensor	Parameters
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8. The Unit shall provide port holes and sampling facilities for the following stacks as per the Central Pollution Control Board guidelines.

SL. NO.	SOURCE	STACK
---------	--------	-------

- | | | |
|----|------------------------------|--------|
| 1. | ELECTRICAL INDUCTION FURNACE | 1 NO. |
| 2. | REHEATING OIL FIRED FURNACE | 2 NOS. |

TAMIL NADU POLLUTION CONTROL BOARD

- 7 -

9. The unit shall provide sufficient acoustic measures for the following equipment.

SL. NO.	SOURCE	TYPE OF MEASURES
1.	INDUSTRIAL PLANT	ADEQUATE ACOUSTIC MEASURES

10. The unit shall install separate energy meter for the operation of the following Air Pollution Control equipments.

SL. NO.	SOURCE	AIR POLLUTION CONTROL MEASURES
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(Continued in Annexure-I)

Shivalakshmi
8/11/2003
For MEMBER SECRETARY
TAMIL NADU POLLUTION CONTROL BOARD
CHENNAI

- 8 -

GENERAL CONDITIONS

- The above consent to establish cannot be construed as consent to operate.
- The applicant shall make a request for grant of consent to operate atleast sixty days, before the commissioning of trial production.
- The unit shall carryout Ambient Air Quality Survey atleast for _____ stations for _____ seasons for the collection of baseline data, on the existing Ambient Air Quality level within the plant / outside the plant.
- The applicant shall provide a meteorological station to collect the data on wind velocity, direction, temperature, rainfall etc.
- The applicant shall prepare and submit a detailed Risk Assessment Report alongwith on site and off-site Emergency preparedness plan for within the premises of the plant as required under the Rules 13 and 14 of the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.
- The unit shall install _____ KVA Capacity generator exclusively for the operation of Air Pollution Control measures in case of power failure.
- The unit shall also establish laboratory for analysis of gaseous / particulate emissions.
- Any change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act.
- The unit has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings / other living creatures/plants and properties while handling and storage of hazardous substances.
- Consent to operate will not be issued unless the unit complied with the conditions of consent to establish, otherwise the order of consent to establish already issued will be revoked with immediate effect.

Shivalakshmi
8/11/2003
For MEMBER SECRETARY
TAMIL NADU POLLUTION CONTROL BOARD
CHENNAI