



State Environment Impact Assessment Authority, M.P.
(Government of India, Ministry of Environment, Forest & Climate Change)

Environmental Planning Coordination Organization (EPCO)
Paryavaran Parisar, E-5. Arera Colony
Bhopal-4620 16

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Tel: 0755-2466970, 2466859

Fax : 0755-2462136

No: 1491 /SEIAA/2018

Date: 9.1.18

To,
Shri Anuj Jain, Director
Jain Complex, Pureni, Katni,
Madhya Pradesh-483501

Sub:- Case No.5195/2016: Prior Environmental Clearance for Coal Washery Plant at Khasra No. 593, 596, 597 & 598, Village- Noudiha, Tehsil- Chitrangi, District- Singrauli, M.P. production capacity 0.95 MTPA/ 150 TPH, area 4.744 ha / 11.722 Acres by MAHAVIR COAL RESOURCES PRIVATE LIMITED, through Director, Shri Anuj Jain, Jain Complex, Pureni, Katni, M.P.- 483501, Mob. No. 9893554321, E-mail mahavir.coal16@gmail.com Env't. Consultant : GreenIndia consulting Pvt. Ltd.

Ref: Your application dtd. 14.04.16 received in SEIAA office on 10.05.2016


With reference to the above, the proposal has been appraised as per prescribed procedure & provisions under the EIA notification issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated 14th September 2006 and its amendments, on the basis of the mandatory documents enclosed with the application viz., Form I, pre-feasibility report, ToR, EIA Report, ppt. and additional clarifications furnished in response to observations by the State Expert Appraisal Committee (SEAC) and State Environment Impact Assessment Authority (SEIAA) constituted by the competent Authority.

- (i) The project is based on Batac Jig Technology. The project comprises of coal unloading, handling, crushing, screening, washing with water, dewatering and separation of fines from washed water and storing the clean coal and rejects.
- (ii) The proposed capacity of coal beneficiation is 0.95 Million Ton Per Annum, the project is covered under 2 (a) category B of the EIA Notification issued by the Ministry of Environment & Forests vice S.O.1533 (E), dtd. September 14, 2006 and its amendments.
- (iii) There is no National park / Sanctuaries (DFO letter dtd. 22.04.16), Eco-sensitive areas, critically polluted areas and inter-State boundaries (PWD letter dtd. 21.03.2016) within 05 km around the proposed site.
- (iv) The total land area of the project is 4.744 ha (11.722 Acres) has already been allotted to the Proponent by Govt. of Madhya Pradesh. PP has submitted Khasra

Case No. 5195/2016

Issued vide letter no. 1491-92 dated 9.1.18

Case No.: To be quoted in registered cases for correspondence


1 of 6

- Panchsala (2013-14) and land order issued by Zila Udyog Vyapar Kendra Singrauli dtd. 10.02.2016 for the land area 4.774 ha.
- (v) Public Hearing was conducted in the Village-Noudiha, Tehsil- Chitrangi, District- Singrauli, Madhya Pradesh on 12.01.2017 under Chairmanship of Collector, Singrauli District, some issues were raised in the Public Hearing regarding damage of NH road, air pollution, employment for villagers etc. which were readdressed by PP and PP has earmarked adequate fund in the CSR budget to take care of these issues.
 - (vi) The coal requirement of the project is 3584.9 TPD. Raw coal from Collieries shall be transported to the Plant site by road as the different Collieries of NCL are located near to the proposed plant site.
 - (vii) The total water requirement is 4555 KLD and fresh water requirement is 685 KLD (Coal Washing - 648 KLD + Dust Suppression and water for coal stock yard to keep 4% moisture-27 KLD domestic- 5 KLD + Plantation – 5KLD). The source of water for the project will be Ground water for which PP has obtained Permission from CGWA dtd 22.05.2017.
 - (viii) The proposed project is based on zero discharge concept. The effluent will be treated in thickener slurry ponds. No effluent will be discharged into the river/streams/water bodies from the proposed project. Settling pond is proposed to storage and recycling of surface water for use in the plant area. Floor wash water from plant workshop will be treated in Oil & grease trap. Treated effluent will be used for dust suppression on coal stack yard. Sludge and scum from the Oil and grease tank will be collected in a leakage proof container and will be sold to the authorized recycling vendor along with spent oil & grease. Domestic waste water 5.0 KLD will be disposed off through septic tank followed by soak pit.
 - (ix) The project is two cut washery project. Only washed and reject coal have significant calorific value will be provided to nearby various industries.
 - (x) The power requirement of the project is 750 KVA which will be sources from the Madhya Pradesh Poorve Khetra Vidhyut Vitaran Company.
 - (xi) For air pollution control, PP has proposed to construct concrete roads, water sprinklers during coal unloading and stacking, closed conveyor belts, dry fog type dust suppression arrangements, enclosures/shirt boards in coal crushing and screening plants, Bag filters etc. Besides these PP has proposed thick green belt towards the side of habitations, 15 feet wind break wall around stock yard. & operating vehicles with PUC.
 - (xii) PP has proposed firefighting measure including medium velocity spray portable fire extinguishers, fire alarm system, fire detection, heat detection, and alarm system to detect fire/heat/smoke in the vulnerable areas of the plant. Hydrant system covering the entire plant including all important auxiliaries and buildings. The system will be complete with piping, valves instrumentation, hoses, nozzles and hydrants, valves etc. First Aid firefighting equipment suitable for emergency should be maintained as per statutory requirements per TAC Regulations. Fire hydrant line covering major areas would be laid. It would be maintained as 6 kg / sq. compressor.

- (xiii) PP has proposed to provide rooftop rainwater harvesting system for rain water harvesting.
- (xiv) Green area proposed by PP is about 1.7 ha by planting 2550 no. of trees as per CPCB's guideline for Greenbelt Development, 2000.
- (xv) Under the CSR activities PP has submitted the copy of letter from Gram Panchyat and Collector, Singrauli in which CSR activities have suggested on the basis of local need.

Based on the information submitted at Para i to xv above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 461st meeting held on 26.12.2017 and decided to accept the recommendations of 294th SEAC meeting held on dtd.23.06.2017.

Hence, Prior Environmental Clearance is accorded under the provisions of EIA notification dtd. 14th September 2006 to the Coal Washery Plant at Khasra No. 593, 596, 597 & 598, Village-Noudiha, Tehsil-Chitrangi, District- Singrauli, Madhya Pradesh production capacity 0.95 MTPA/ 150 TPH, area 4.744 Hectares/ 11.722 Acres by MAHAVIR COAL RESOURCES PRIVATE LIMITED, through Director, Shri Anuj Jain, Jain Complex, Pureni, Katni, M.P.- 483501 subject to the compliance of the Standard Conditions enclosed at Annex-I and the following additional Specific Conditions as recommended by SEIAA & SEAC in its meetings.

A. Specific Conditions as recommended by SEIAA

- (1) PP should ensure the implementation of the stipulated conditions imposed by CGWA in letter dtd. 22.05.17 for withdrawal of ground water.
- (2) Fresh water should not be used for gardening purpose.
- (3) PP should ensure 100% recycling and in no circumstance waste water should be discharged outside the premises.
- (4) PP should ensure regular Stack monitoring & Ambient air quality monitoring and should be carried out as per the guidelines/norms of MPPCB/CPCB.
- (5) In plant control measures for checking fugitive emission from all the vulnerable sources shall be provided. Fugitive emission shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi cyclone separator/bag filters and water sprinkling system.
- (6) Dust suppression system including water sprinkler system/ fogging arrangement shall be provided at loading and unloading areas to control dust emission.
- (7) Fugitive emission in the work zone environment, product, raw material storage areas etc. shall be regularly monitored.
- (8) High efficient four stage ventury scrubber should be provided
- (9) PP should ensure handling, disposal and management of hazardous waste as per the related prescribed rules.
- (10) PP should provide garland drain all along the periphery of the project area.
- (11) PP should ensure the traffic movement plan, parking facilities and road width as proposed.

- (12) PP should ensure harnessing of roof water through recharging pits.
- (13) PP should ensure that the onsite & offsite risk management plans are approved by the Competent Authority before commencing the operation of unit.
- (14) PP should ensure plantation in 1.7 ha by planting 2550 no. of trees of total area green belt all around the washery plant. Plantation in the project area of indigenous local varieties like Neem, Peepal, Kadam and Kachnaar.
- (15) PP should ensure to implement the CSR activities as proposed in the letter of Collector, Singrauli & Gram Panchyat.

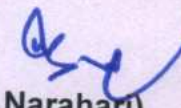
B. Specific Conditions as recommended by SEAC

- (16) The EC shall be valid for production of 0.95 MTPA of coal.
- (17) As proposed, no effluent from washery shall be discharged outside the plant premises and Zero discharge shall be maintained. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.
- (18) Effluent from coal washing process shall be treated in thickener and shall be recycled back in process. Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.
- (19) Storm water run-off shall be collected in a series of settling tanks and shall be utilized for coal washing, dust suppression and plantation.
- (20) Wash water from workshop shall be treated with oil & grease traps and treated water shall be used for sprinkling at coal stack yard.
- (21) Check-dams shall be constructed along with other activities at site on the appropriate locations so as to ensure that no water is discharged from the premises.
- (22) Adequate numbers of ground water quality monitoring stations by providing piezometers around the slurry ponds/project area shall be set up. The ground water quality monitoring shall be monitored as per the MPPCB norms. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to the Ministry's Regional Office at Bhopal and MPPCB.
- (23) Covered conveyers should be provided for internal transportation of coal with provision of dust extraction/water sprinkling at all transfer points.
- (24) Transportation of material shall be done by railway and only in case of emergency; road transportation will be carried out only in covered vehicles.
- (25) Fixed types of water sprinklers should be provided in all plant areas where materials are loaded / unloaded. Water sprinklers should also be provided at railway siding area during loading and unloading.
- (26) Bag filters of adequate capacity shall be provided for coal crushers.
- (27) Two on-line monitoring systems for ambient air quality on suitable locations should be provided and data connectivity must be provided to the MPPCB's server for remote operations.

- (28) Fire fighting system shall be provided as per the norms and cover all areas where coal and rejects are produced, handled and stored. Disaster Management Plan shall be implemented.
- (29) Records for the coal rejects shall be meticulously maintained and such rejects shall be disposed off as per the submitted proposal.
- (30) As proposed, green belt of 2550 trees over 1.70 ha. of the project area shall be developed within plant premises with at least 5 meter wide green belt on all sides along the periphery of the project area in downward direction and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- (31) All the commitments made in the Public Hearing shall be implemented by PP and adequate budget provision shall be made accordingly.
- (32) PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
- (33) Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
- (34) All recommendations mentioned in the EMP shall be binding for the project authorities.
- (35) Ultrasonic/Magnetic flow/Digital meters shall be provided at the inlet and outlet of the proposed ETP & all water abstraction points and records for the same shall be maintained regularly.
- (36) In case of power failure, stand by D.G. Set/s having power generation capacity equivalent to the requirement of power to run the ETP/APCD shall be installed, so that the ETP/APCD shall always be operated round the clock even in case of power failure.
- (37) Regular emission and effluent quality monitoring shall be carried out for relevant parameters and the monitored data along with the statistical analysis and interpretation should be submitted to the MPPCB.
- (38) All internal roads shall be made pucca/bituminous top to avoid fugitive emissions.
- (39) The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product mix in proposed unit shall require a fresh Environment Clearance.

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Endt No. / SEIAA/ 2018

Dated 9.1.18

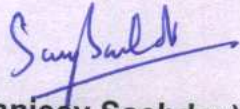

(P.Narahari)
Member Secretary

Copy to:-

- (1). Principal Secretary, Urban Development & Environment Deptt. 3rd Floor, Mantralaya Vallabh Bhawan, Bhopal.

- (2). Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-462016.
- (3). Member Secretary, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016.
- (4). The Collector, District Singrauli M.P.
- (5). Gram Panchyat Village-Noudiha, Tehsil-Chitrangi, District- Singrauli, Madhya Pradesh
- (6). MD, Zila Vyapar And Udhyog Kendra ,Waidhan District Singrauli M.P- 486886.
- (7). Director, I.A. Division, Monitoring Cell, MoEF, GoI, Ministry of Environment & Forest Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi – 110 003
- (8). Director (S), Regional office of the MOEF, (Western Region), Kendriya Paryavaran Bhawan, Link Road No. 3, Ravi Shankar Nagar, Bhopal-462016.
- (9). Guard file.

Encl: Standard Conditions (Annex-I)


(Dr. Sanjeev Sachdev)
Officer-in-Charge

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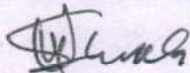
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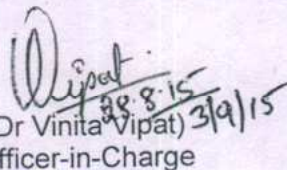
Annex-I

Standard Conditions related to Activity 2 (a) - Coal washeries Category B projects under the Schedule of Ministry of Environment and Forests, GoI notification dtd 14-09-06

1. Any enhancement of capacity, change in technology, modernization and scope of working shall again required prior environmental clearance as per EIA notification, 2006.
2. All activities / mitigative measures proposed by PP in Environmental Impact Assessment (EIA) and recommended by SEAC shall be ensured.
3. All activities / mitigative measures proposed by PP in Environmental Management Plan (EMP) and recommended by SEAC shall be ensured.
4. All parameters listed in Environmental Monitoring Plan shall be monitored at the locations with the frequencies as recommended by SEAC.
5. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S R. No. 826 (E) dated 16th November, 2009 shall be followed.
6. Adequate protection against dust and other environmental pollution due to working of the plant shall be made. The status of implementation shall be reported to the Regional office of the Ministry of Environment, Forest & Climate Change at Bhopal and work shall be completed before commissioning of the plant.
7. Ground water quality shall be regularly monitored for contamination and depletion and records be maintained. The monitoring data shall be submitted to the Regional office of the Ministry of Environment, Forest & Climate Change at Bhopal regularly.
8. Transportation of ore (beneficiated and otherwise) shall be done by covering the trucks with tarpaulin or other suitable mechanism so that no spillage of ore / dust takes place.
9. The discharged water from the Tailing Dam (if any) shall be reused in the process and regularly monitored. Report be submitted to the Regional office of the Ministry of Environment, Forest & Climate Change at Bhopal, Central Pollution Control Board and the State Pollution Control Board.
10. Hoppers of the coal crushing unit and washery unit shall be fitted with high efficiency bag filters.
11. Mist spray water sprinkling system / fogging system, shall be installed and operated effectively at all times of operation to check fugitive emissions from crushing operations, transfer points of closed belt conveyor systems and from transportation roads.
12. All approach roads shall be black topped /concreted. The roads shall be regularly cleaned and maintained.
13. Records of quantum and ash content of raw coal being washed, and clean coal and coal rejects produced from every batch of washing shall be maintained and details thereof uploaded on the company website.



(Dr U. M. Shukla)
Officer-in-Charge



(Dr Vinita Vipat) 28.8.15
Officer-in-Charge 3/9/15



(Dr R. K. Jain)
Officer-in-Charge

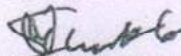
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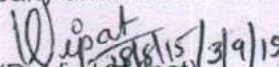
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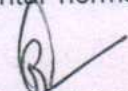
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14. Heavy metal content in raw coal, and washed coal shall be analysed once in a year and records maintained thereof.
15. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of ores and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. Transportation of ore shall be done only during day time. No overloading of ores for transportation shall be committed.
16. Project Proponent shall explore the possibility of using solar energy wherever possible.
17. The solid waste management has to be taken up as per the proposal submitted by PP.
18. All measures proposed for prevention of any discharge from the industry has to be implemented prior to the commencement of production.
19. Periodic monitoring shall be carried out as per norms for RPM, SPM, SO₂, NO_x. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets. Frequency of monitoring should be undertaken in consultation with the M. P. Pollution Control Board. The monitoring data shall be regularly uploaded on the company's website and displayed.
20. Data on ambient air quality (RPM, SPM, SO₂, NO_x) should be regularly submitted to the Regional office of the Ministry of Environment, Forest & Climate Change at Bhopal and the M.P. Pollution Control Board / Central Pollution Control Board once in six months.
21. Measures shall be adopted for control of noise levels below prescribed standards for industrial areas (75 dB(A) during day time and 70 dB (A) during night time) in the work environment. Workers shall be provided with ear plugs / muffs etc..
22. Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.
23. Socio-economic and welfare measures for the local communities for the adjoining villages shall be implemented under CSR activities. These villages shall be identified in consultation with the local authorities, the details of status of implementation of CSR and expenditure thereon which would be annually updated on the company website.
24. Corporate Environment Responsibility :-
 - (a) The Company shall have a well laid down Environment Policy approved by the Board of Directors.
 - (b) The Environment Policy shall prescribe for standard operating process / procedure to bring into focus any infringements / deviation / violation of the environmental or forest norms/ conditions.
 - (c) The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions shall be furnished.
 - (d) To have proper checks and balances, the company shall have a well laid down system of reporting of non-compliance / violations of environmental norms to the Board of Directors of the company and / or shareholders at large.


(Dr U. M. Shukla)
Officer-in-Charge


(Dr Vinita Wipat)
Officer-in-Charge


(Dr R. K. Jain)
Officer-in-Charge

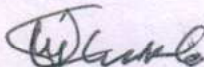
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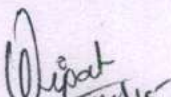
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25. Occupational health surveillance programme of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed and records maintained thereof. The quality of environment due to outsourcing and the health and safety issues of the outsourced manpower should be addressed by the company while outsourcing.
26. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
27. The project authorities shall inform to the Regional office of the Ministry of Environment, Forest & Climate Change at Bhopal and MPPCB final approval of the project by the concerned authorities and the date of start of land development work.
28. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the Regional office of the Ministry of Environment, Forest & Climate Change at Bhopal.
29. The compliance of the stipulated conditions shall be monitored by the Regional Office, MoEF, Gol, Bhopal. A complete set a of documents including Environment Impact Assessment Report, Environmental Management Plan and other information should be given to Regional Office of the MoEF, Gol at Bhopal.
30. The Project Proponent has to submit half yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the Regulatory Authority on 1st June and 1st December of each calendar year.
31. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the local bodies, Panchayat and municipal bodies as applicable in addition to the relevant officers of the Government who in turn has to display the same for 30 days from the date of receipt.
32. The project proponent has to strictly follow directions/guideline issued by the MoEF, Gol, CPCB and other Govt. agencies from time to time.
33. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the environmental clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the State Level Environment Impact Assessment Authority (SEIAA) website at www.mpseiaa.nic.in and a copy of the same shall be forwarded to the Regional Office, MoEF, Gol, Bhopal.
34. The SEIAA of M.P. reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.


(Dr U. M. Shukla)
Officer-in-Charge


(Dr Vinita Vipat)
Officer-in-Charge


(Dr R. K. Jain)
Officer-in-Charge

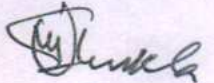
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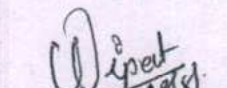
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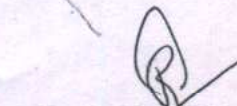
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35. The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
36. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
37. The prior Environmental Clearance granted for the project is valid for a period of five years as per EIA notification dtd. 14.09.2006.
38. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
39. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
40. The environmental statement for each financial year ending on 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the Regional Office of MoEF.
41. The Proponent is required to obtain all necessary clearance / approvals that may be required before the start of the project. The Ministry or any other competent authority may stipulate any further condition for environmental protection.
42. Any appeal against this prior environmental clearance shall lie with the Green Tribunal, if necessary, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


(Dr U. M. Shukla)
Officer-in-Charge


(Dr Vinita Vipat)
Officer-in-Charge


(Dr R. K. Jain)
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