



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

Environmental Planning Coordination Organization (EPCO)
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No: 954 /SEIAA/2017

Date: 29.6.12

To,
Shri M.G.Choubey Engineer in Chief,
Water Resource Department,
Tulsi Nagar Bhopal M.P

Sub:- Case No. 1715/2013: Prior Environmental Clearance for Tarped Medium Irrigation Project at Village - Jetpura, Tehsil & Distt. Chhatarpur (M.P.) Proposed GCA- 5255 ha: CCA 4325 ha; Catchment Area-175.0 sq.km. Dam length- 4065 m; Maximum height of dam- 28.25 m by Shri M.G. Choubey, E-In-C, Department of Water Resources, Tulsi Nagar Bhopal MP, Phone No. 0755-2552646, E-mail eincwrpl@mp.nic.in Env. Consultant- WAPCOS Ltd. Gurgaon, Haryana

Ref: Your application dtd. 22.07.13 received in SEIAA office on 12.08.2013

With reference to 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), dtd. 14.09.06 & 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 observations by the State Expert Appraisal Committee (SEAC) and State Environment Impact Assessment Authority (SEIAA) constituted by the competent Authority.

- (i) Tarped Medium Irrigation Project is proposed on River Tarped near village Jaitupura of District Chhatarpur by storing water of Tarped river by constructing an earthen dam of 28.25 m height. The Gross storage capacity of the reservoir is 42.09 Mcum & live storage capacity is 37.56 MCM to facilitate irrigation in 4300 ha of land presently under rain fed agriculture.
- (ii) The proposed project is a River-valley project with catchment area of 175 sq.km. The Gross Command Area (GCA) is 5255 ha and Culturable Command Area (CCA) is 4000 ha. The project pertains to Item No. 1(c) category 'B' of the EIA Notification schedule, as the CCA in the project is less than 10,000 ha.
- (iii) There is no interstate boundary or wildlife sanctuary, National park, etc. within 10 km of the project area (DFO letter dtd. 15.07.13). Hence general conditions are not attracted.
- (iv) PP has submitted undertaking dtd. 16.16.16 in which it is mentioned " test embankment sections have been taken up for material investigation to

Case No. 1715/2013

Issued vide letter no. 954/SEIAA dated 29.6.12

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

ascertain its suitability for use of this for stabilization of slopes of earth dam. No other work has been taken up".

- (v) Tarped River is a tributary of Dhasan River which joins the river Yamuna. It originates from Ragoli village of Chhatarpur district at EL 323 M & meets River Dhasan at EL 235 M. Total length (35 Km) & basin of river from origin to confluence is lies in Chhatarpur District of MP.
- (vi) The beneficiaries area covered by the proposed project include 17 villages of Chhatarpur Tehsil.
- (vii) Total land required for various project components is of about 832.737 ha. Out of which Pvt. land – 551.372 ha, Govt. revenue land – 231.723 ha, and Forest land – 49.642 ha. obtained stage II FC clearance issued by Gol, MoEF&CC vide letter no. F-58/2014-FC dated 15/09/2016.
- (viii) About 667.56 ha of land is coming under submergence and 137.913 ha land will be acquired for canal alignment. CCA would be 4300 ha. (as per notification 25.06.2014 the limit has been fixed for cases to be appraised at MPSEIAA is 2000 ha. to 10000 ha.). PP has proposed Rs. 6076.8 lacks against R&R plan of this project.
- (ix) Afforestation of double the amount of entire land being acquired for the project. Thus, a total of (49.642×2) 100 ha of land is proposed to be afforested.
- (x) PP has proposed Forest Protection Plan, Safeguards during Construction Phase, Improvement of Wildlife habitats, Anti-poaching Measures, Improvement of Eco-tourism habitats for conservation and improvement of biodiversity.
- (xi) For acquisition of private land PP has proposed compensation to the respective land owners / land title holders as per the provision of prevailing Land Acquisition Act with budgetary provision of Rs. 6677 lakh for Rehabilitation & Resettlement (RR) plan and Rs 41.0 lakhs for implementation of Local Area Development (LAD) Plan which includes upgradation of schools & public health centers etc.
- (xii) The total water availability in the project area is 45.54 Mm^3 and total water requirement of the project is 22.15 Mm^3 for irrigation and about 5.59MCM water is reserved for Nowgong Gramin Smug Jal Praday Yojna for drinking water supply to rural population. Only small quantity of water i.e will be not use for irrigation 0.68 Mm^3 and is not expected to cause any significant problem of waterlogging.
- (xiii) About 100 families are likely to reside in the project colony. The sewage generation at each colony shall be of the order of 0.08mld. PP has proposed to provide biological treatment facilities i.e. aerated lagoon including secondary treatment units for generated sewage.
- (xiv) For prevention of soil erosion (siltation & sedimentation) of reservoir proposed Catchment Area Treatment (CAT) plan includes contour bunding, nalla bunding, pasture development, social forestry etc with a budgetary provision of Rs. 142 lakh.
- (xv) Fisheries Management Plan is also included in the project involving Sustenance & enhancement of fisheries potential through supplementary stocking of reservoir and RS. 205 lakh budget allocated in EMP for Fisheries

management. Total fish production from the reservoir is expected to be 28.32 metric tonnes /yr.

- (xvi) Public hearing was held on 27.09.15 at village Ishanagar, Tehsil &, Distt. Chhatapur under the Chairmanship of concerned District Additional Collector. During the hearing some objection / issues were raised by the participants. had raised the issue of special compensation. These have been responded by proponent (WRD) in the proceedings /EIA and found to be satisfactory & acceptable.
- (xvii) PP has spent Rs.20.0 crs on making payment for compensatory forestation and land acquisition.
- (xviii) Plantation shall be done at all vacant sites in and around colony area, offices, working areas etc. with plantation in 2-3 or even more rows wherever possible.

Based on the information submitted at Para i to xviii above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 449th meeting held on 22.06.2017 and decided to accept the recommendations of 292nd SEAC meeting held on dtd 16.06.2017.

Hence, Prior Environmental Clearance is accorded under the provisions of EIA notification dtd. 14th September 2006 to the Proposed "Tarped Medium Irrigation Project at Village - Jetpura, Tehsil & Distt. Chhatarpur (M.P.) Proposed GCA- 5255 ha: CCA 4325 ha; Catchment Area-175.0 sq.km. Dam length- 4065 m; Maximum height of dam- 28.25 m by Shri M.G. Choubey, E-In-C, Department of Water Resources, Tulsi Nagar Bhopal, (M.P.), subject to the following Specific Conditions as recommended by SEIAA & SEAC in its meetings.

A. Specific Conditions as recommended by SEIAA

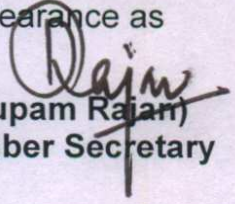
1. The inputs given by the participants during Public hearing should be properly redressed. All the promises and assurances made during the public hearing shall be fulfilled completely by the Water Resources department GoMP. All project affected families (PAFs) should get adequate & timely compensation as per Land Acquisition Act 2013.
2. Proper implementation of R & R Plan considering all such facilities as drinking water, sanitation, school, market, health centre, Aganwadies etc. should be ensured. For smoother transition of oustees on the identified displaced site, the development works should start immediately so that by the time dam is constructed and water is impounded in the reservoir the oustees could be properly rehabilitated.
3. Besides the agricultural land, the rehabilitation of public buildings, infrastructures, monument etc. falling in the submergence area should also be ensured.
4. For Tribal compensation should be in accordance to the provisions of the Land Acquisition Act 2013 - Second Schedule S. No. 5.
5. A monitoring Committee for R & R shall be constituted which must include representatives of project affected persons including SC/ST community and women.
6. A grievances redressal mechanism is to be devised by WRD GoMP and put in place so that aggrieved PAFs and other stakeholders may approach the Authority easily for resolution of any dispute/conflict.

7. The implementation of Local Area Development Plan (LADP) to be closely monitored.
8. PP should ensure to provision of STP for treatment of sewage generated from project colony.
9. A special committee should be setup to monitor the implementation of Environmental Management Plan and submission of six monthly compliance report. The committee should ensure that the allocated grant for various purposes included in EMP should be utilised for that purpose fully and should not be diverted for any other purpose..
10. Proposed Compensatory Afforestation programme in proposed area should be taken-up in consultation with State Forest Department. The allocated grant for this purpose should be fully utilized and not to be diverted for any other purpose. For compensatory afforestation programme proper selection of species including trees with canopy, fruit bearing trees and grasses should be planted as proposed in EMP. Preference should be given to native species. Irrigation facilities should be ensure and proper care should be taken to raise the plantation. The six monthly compliance report should include plantation with number, species and survival rate etc.
11. Proposed Bio-diversity Conservation & Management Plan and Catchment Area Treatment (CAT) Plan as proposed in EMP report should be implemented in consultation with Madhya Pradesh State Forest Department. Major CAT works shall be completed before impounding of reservoir.
12. To enhance the natural environmental quality & aesthetics of project site, greenbelt, as proposed in the EMP Report shall be undertaken in 15 ha of area.
13. Fishery conservation & management plan shall be implemented in consultation with the Fisheries Department, Govt. of Madhya Pradesh.
14. If the water of reservoir is used for drinking water supply, it should be done after conventional treatment inconformity to the standards of drinking water supply. Special care should be taken for total dissolve solids (TDS).
15. Regular monitoring of water quality (Surface and Ground) including heavy metals shall be undertaken in the project area and in the adjoining project area to ascertain the change, if any, in the water quality due to leaching of contaminants, from the increased use of chemical fertilizers and pesticides.

B. Specific Conditions as recommended by SEAC

16. Since PP has obtained stage II FC clearance issued by GoI, MoEF&CC vide letter no. F-58/2014-FC dated 15/09/2016 thus all the conditions stipulated by in the FC should be complied by the PP.
17. PP should carryout monitoring as per the submitted schedule in the EMP.
18. Wild life management plan approved by the competent authority should be implemented by the PP.
19. The soil removed during the excavation will be stacked separately and will be used for the green belt development only.
20. Efficient irrigation systems should be promoted in the command area as Social Responsibility by the trained staff of the department.

21. All commitments pertaining R&R and public hearing shall be mandatory on part of PP.
22. Periodic soil/water testing shall be carried out in the command area and report to be submitted to Ministry of Agriculture with essential remarks.
23. Proper implementation of R & R Plan considering all such facilities as drinking water sanitation, School, market, health centre, Aganwadies etc should be ensured.
24. During construction phase, water sprinkling arrangements shall be made to suppress the fugitive emissions and shall ensure that the ambient air quality is well within the prescribed norms by MoEF&CC/CPCB.
25. 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.
26. Use of Solar Energy should be promoted in the project area where ever possible.
27. Commitment towards CSR have to be followed strictly
28. The Project Proponent shall provide proper arrangement for the disposal of hazardous waste (if any) and obtain authorization under Hazardous Waste (Management Handling & Transboundary Movement) Rules, 2008 from MPPCB.
29. The above conditions will be enforced interalia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Provision of the Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with amendments and rules.
30. Any other clearance required from any other organization/department should be obtained before commencement of works and commissioning of the project, as applicable.
31. In case of any, change in scope of work technology, modernization and enhancement of capacity shall again require prior environmental clearance as per EIA notification, 2006.



 (Anupam Rajan)
 Member Secretary

955
 Endt No. / SEIAA/ 2017

Dated 29.6.12

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, MPPCB, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016.
- (4). The Collector, Distt- Chhatarpur - M.P.
- (5). The Principal Chief Conservator of forest, Ground floor Satpuda Bhawan, Bhopal (M.P)
- (6). The Add. Chief Conservator of forest (C),Regional Office(WZ),Ministry of Environment & Forests,Kendriya Paryavaran Bhawan, Link Road No-3, E-5, Arera Colony Bhopal (M.P)- 462016
- (7). Director, I.A. Division, Monitoring Cell, MoEF, Gol, 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


 (Dr. Sanjeev Sachdev)
 Officer-in-Charge

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Environmental Planning & Coordination Organization (EPCO),
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Annexure-2

Part-B : Standard Conditions related to Activity 1 (c)- River Valley Projects of Category-B under the Schedule of Ministry of Environment and Forest Gol notification dtd 14-09-06

1. Adequate arrangements for providing free fuel like kerosene/wood/LPG shall be made at the project cost for the labors engaged in the construction work so that indiscriminate felling of trees is prevented.
2. Medical facilities as well as recreational facilities shall also be provided to the laborers.
3. The laborers to be engaged for construction works shall be thoroughly examined by health personnel and adequately treated before issuing them work permit.
4. Water sprinkling arrangements shall be made to suppress the fugitive emissions and shall ensure that the ambient air quality is well within the prescribed norms by MoEF/ CPCB.
5. Potable drinking water and proper sanitary facilities shall be provided for the labor force
6. Consolidation and compilation of the muck should be carried-out in the muck dump sites and the dump sites should be above high flood level. Restoration of construction area including dumping sites of excavated materials shall be ensured by leveling, filling up of borrow pits, landscaping etc. The area should be properly treated with suitable plantation.
7. The Regional Office of MoEF, Gol, Bhopal & MPPCB shall monitor compliance of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, and Monitoring Plan should be given to Regional Office, MoEF, Gol, Bhopal & MPPCB. The project proponent shall provide full cooperation during their inspection and all required documents/data to the officials
8. Action plan with respect to suggestion/improvement and recommendations made and agreed during public hearing consultation shall be submitted to the Regional Office, MoEF, Gol, Bhopal, MP PCB within six months
9. The responsibility of implementation of environmental safeguards and RR plan rests fully with the Water Resources Department GoMP and Government of Madhya Pradesh. The WRD Government of Madhya Pradesh should also monitor implementation of EMP at regular intervals preferably at the level of Principal Secretary.
10. Necessary livelihood plan for oustees is to be prepared, if found necessary, in consultation with state government departments concerned. The Water Resources Department Government of Madhya Pradesh should submit compliance on this component & also while submitting six monthly compliance report to MoEF, Gol, Regional Office, Bhopal.
11. PP should ensure implementation of all activities / mitigative measures /safeguards proposed in the Environmental Impact Assessment (EIA) report and Environmental

DW

(Ms Dipali Rastogi)
Member Secretary I/c

(Shri H.S.Verma)
Member


Shri H.S.Verma *Shri Waseem Akhtar*

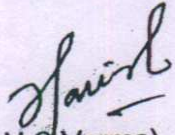
(Shri Waseem Akhtar)
Chairman

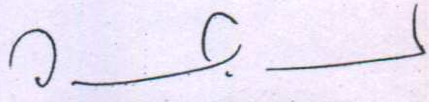
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- Management Plan (EMP) approved by SEAC and other reports from time to time must.
12. All parameters listed in Environmental Monitoring Plan approved by SEAC must be monitored at approved locations and frequencies.
 13. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically.
 14. The monitored data for criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the dam site in the public domain
 15. The sewage or waste water should be properly collected, treated so as to conform to the standards prescribed by MoEF & CPCB. The treated effluents conforming to the prescribed standards shall be re-circulated and reused for horticulture/plantation.
 16. Conjunctive use of surface water has to be planned and implemented in the project to check water logging as well as to increase productivity.
 17. The equipment likely to generated high noise levels during construction period or otherwise shall have to meet the ambient noise level standards as notified under the Noise Pollution (Regulation and Control) Rules, 2000, as amended from time to time under the Environment Protection Act (EPA), 1986. Workers shall be provided with ear plugs / muffs.
 18. The Project Proponent has to submit half yearly compliance report of the stipulated terms and conditions in the prior Environmental Clearance, including the results of monitored data in hard and soft copy to the Regulatory Authority, respective Zonal Office of CPCB and the SPCB and Regional office of MoEF, GoI at Bhopal on 1st June and 1st December of each calendar year.
 19. 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
 20. Adequate financial provision should be made in the total budget of the project for implementation of the above suggested safeguard measures The funds earmarked for environmental protection measures shall be kept in separate account and shall be fully utilized for the said purpose and not to be diverted for other purpose. Year wise expenditure shall be reported to the MoEF, GoI, Regional Office located at Bhopal , CPCB & MPCB. In case of revision of the project cost due to price level change the cost of EMP shall also be updated proportionately and revised upwardly
 21. Water User Associated (WUA)Co-operative should have to be formed for efficient water use. Involvement of the community for disciplined and wise use of available waters should be ensured through training programme/effective interactive sessions.
 22. On-farm development (OFD) works are to be completed by the project proponent simultaneously and before the commencement of irrigation. WUA's (Water Users Associations) should be made functional to undertake the OFD works. Special & critical monitoring of progress to be undertaken by the Water Resources Department GoMP to ensure that OFD works are completed along with main canal networks.


(Ms Dipali Rastogi)
Member Secretary I/c


(Shri H.S.Verma)
Member

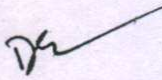

(Shri Waseem Akhtar)
Chairman

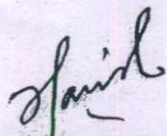
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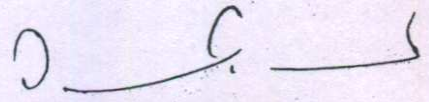
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23. Details of land holding of project affected persons whose land is being acquired shall be submitted to this MoEF GOI Regional Office. The R & R benefits for the land losing households will be as per the National Rehabilitation and Resettlement Policy, 2007 or as per the State Rehabilitation and Resettlement Policy, whichever is more beneficial to the project affected persons (PAFs). Adequate publicity of the compensation package shall be given in the affected villages. The R & R issues shall be completed before commissioning of the project. In case latest Act of 2014 is applicable, the same Act is to be followed.
24. In case of any, change in scope of work, technology, modernization and enhancement of capacity shall again require prior environmental clearance as per EIA notification, 2006.
25. The M.P SEIAA or any other competent authority reserves the right to alter/modify or add additional, safeguard measures subsequently, if found necessary and to take action, including revoking of the clearance under provisions of the environment (Protection) Act 1986 to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
26. The Prior Environmental Clearance letter is valid for a period of 10 years from the date of issue of this letter for commissioning of the project.
27. A copy of the Prior Environmental Clearance issued by MP SEIAA shall be submitted by the Project Proponent to the Heads of the Local Bodies, Panchayat/Zilla Parishad/ Municipal Bodies as applicable, local NGO, if any, in addition to the associated Government Departments from whom any suggestion/representations were received while processing the proposal and those responsible for controlling the proposed project, who in turn has to display the same for 30 days from the date of receipt. The clearance letter shall also be put on website by the project proponent.
28. State Pollution Control board/committee shall display a copy of the clearance letter at the regional office, district industries centre and collector's/tehsildar's office for 30 days.
29. The Project Proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the 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.
30. After 5 years of the commissioning of the project a study shall be undertaken regarding impact of the project on the environment and downstream ecology. The study shall be undertaken by an independent agency to be decided in consultation with the Ministry/ authority.
31. A multi disciplinary committee (MDC) for monitoring the implementation of environmental safe guards during construction shall be constituted by the project proponent (PP) in consultation with the state environment ministry as early as possible. A panel may be proposed by the PP and submitted to ministry. The Project


(Ms Dipali Rastogi)
Member Secretary I/c


(Shri H.S. Verma)
Member

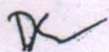

(Shri Waseem Akhtar)
Chairman

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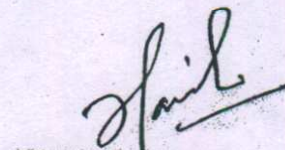
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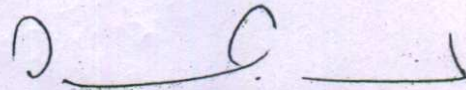
- proponent shall organize six monthly meetings of the committee and submit the monitoring report to the ministry.
32. Occupational health and safety measures for the workers including identification of work related health hazards, training on malaria eradication, HIV, and health effects on exposure to water borne diseases . shall be carried out. Periodic monitoring for the workers shall be conducted and records maintained including health records of the workers. Awareness programme for workers on impact on their health and precautionary measures like use of personal equipments etc. shall be carried out periodically. Review of impact of various health measures shall be conducted followed by follow up action wherever required.
 33. Use of Solar Energy should be promoted in the project area where ever possible
 34. Commitment towards CSR have to be followed strictly.
 35. The Project Proponent shall provide proper arrangement for the disposal of hazardous waste (if any) and obtain authorization under Hazardous Waste (Management Handling & Transboundary Movement) Rules 2008 from MPPCB.
 36. 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 amendments and rules.
 37. The environmental statement for each financial year ending 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.
 38. Any other clearance required from any other organisation/department should be obtained before commencement of works and commissioning of the project, as applicable.
 39. 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.
 40. Any appeal against this prior environmental clearance shall lie with the Green Tribunal, tribunal, if necessary, within a period of 30 days from the date of issue, as prescribed under Section 10 of the national green tribunal Act 2010.



(Ms Dipali Rastogi)
Member Secretary I/c



(Shri H.S. Verma)



(Shri Waseem Akhtar)

Member Secretary I/c Chairman

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Dated... 29.8.17