

SECTION - III

RESPONSIBILITIES OF THE CONTRACTOR

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**1. RESPONSIBILITIES OF CONTRACTOR FOR OPERATION AND MAINTENANCE OF MPEW**

- 1.1 **Inspection** – Inspections of the Expressway are essential for the safety of the users of expressway. They help in identifying maintenance activities to be performed and the degree or urgency with which these must be undertaken so as to keep the Expressway safe for movement of traffic. Generally three types of inspections are carried out:-
- Routine / Safety inspections
  - Detailed inspections
  - Special inspections
- 1.2 **O&M Functions** – In order to fulfill the purpose as given in paragraph above, the O.M Contractor has to perform various functions such as exercising control over the organization meant for O.M, to carry out inspection (as described above) of the Expressway, to carry out routine maintenance activities, repair of assets, patrolling and lay down procedures. These are termed as O.M functions.
- 1.3 **O&M Tasks** – To carry out a 'function' effectively, certain works are required to be done. These are termed as "Tasks". These are divided into routine works, repair and replacement works and certain works required in case of individual situations.
- 1.4 **Incident** – These are those occurrences at the Expressway because of which the flow of traffic is impeded such as traffic accidents, road/lane closure for repairs or movement of VVIPs.

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1.5 O&M Functions – The operation and maintenance of the Expressway is divided into following functions:-

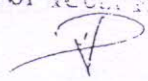
- a) Command and control functions
- b) Inspections
- c) Operation and maintenance tasks.
- d) Traffic accident assistance service
- e) Asset security
- f) Monitoring
- g) Reporting
- h) Security
- i) Emergency medical services

1.6 Routine / Safety Inspection - Routine inspections, will be by Patrol Inspector, every day. Three Patrol Inspectors would be doing this job on their respective section of the road. Their tasks would to be examine all assets in their section. A record is made of all observation in the record form by the patrol inspector. These record forms are kept till the end of the contract. The computer database is updated by the help of these records.

1.7 Detailed Inspections – Detailed inspection of various items, will be carried out by ROMM, DMS officer and Road Supervisor. Different inspections to be done are shown in Subsequent chapters. DMS Officer who is also a trained person will inspect in detail the tunnel structures once in every two months and bridges viaducts, overpass and underpass once in every six months. Road Supervisor will assist him in this task, if required. Similarly, The Road Supervisor will carry out detailed inspection of culverts and cross drains, once in every six month.

1.8 Special Inspection – These will be carried out as per the orders of Independent Engineer as when situation demands.

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### 1.9 Operation and Maintenance Functions

Following operation and maintenance functions are required to be performed to achieve the purpose.

- Command and control function
- Inspection of all assets such as road, road furniture, bridges, overpass, underpass, culverts, cross drains, viaducts, arboriculture, fence, tunnel etc.,
- Maintenance of all assets such as road, road furniture, bridges, overpass, underpass, culverts, cross drains, viaducts, arboriculture, fence, tunnel etc.,
- Traffic safety.
- Traffic accident assistance service.
- Asset security.
- Traffic control and communications.
- Maintenance of buildings Toll Plazas, Administration and other related assets.

Following diagram depicts the manner in which the inputs to project Headquarters are received through inspections and the follow up action taken through various schedules of work on the directions of control Headquarters :

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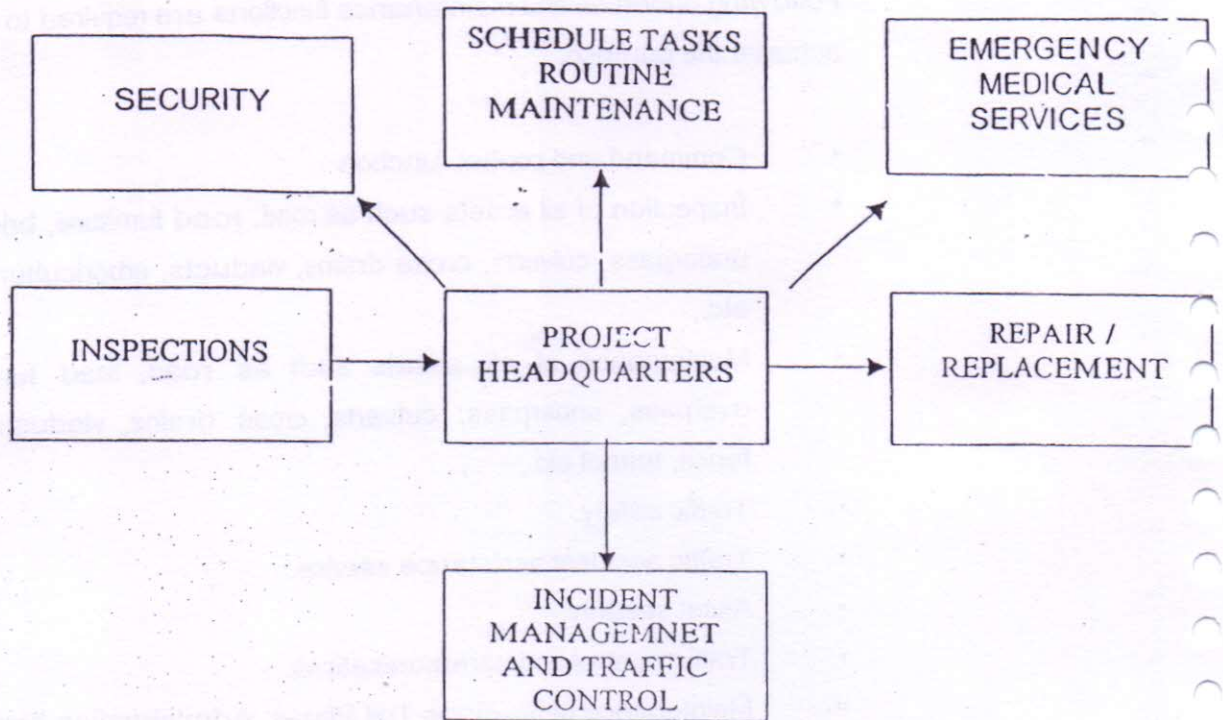


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1.10 **Command and control functions** – There is a HQ located at Kusgaon, to perform the functions of general management and control. The main tasks of the HQ are given in the succeeding Paragraphs.

1.11 **Overall Operational Management** – Overall management of operation and maintenance of the expressway and related assets are the tasks of the HQ. Some of the important tasks are :-

- Overall control and monitoring of all subordinate organizations.
- Develop maintenance programme for the contract period for the Expressway.
- Approve and Monitor monthly work plan.
- Study the relevance of activities that are being carried out every day, month and year.
- Prepare detailed proposal to improve road safety.

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