

Fourth QUARTERLY REPORT
(September, 2014 TO November, 2014)
ENVIRONMENTAL MONITORING
FOR
REWARI KANPUR PIPELINE (RKPL) PROJECT
IN



M/HPCL./2014/1

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PREPARED BY:

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1.0 COMPANY PROFILE

MANTEC CONSULTANTS PVT. LTD. provides a complete range of environmental and social impact assessment services with an expert in-house team of professionals and associates. Mantec is having a full-fledged environmental laboratory duly recognized by the Ministry of Environment & Forests (MoEF), vide gazette notification no. S.O.118 (E) dated January 28, 2011 and by NABL (National Accreditation Board for Testing Calibration Laboratory) vide Certificate T-1417 Dated 05.06.2013. Mantec also has received ISO 9001: 2008 certification as per certificate no. 1050703 dated 25.07.2011 from AfriCert (Pty) Ltd.

The list of services includes the following:

1. Environmental Impact Assessment Studies and Environment Management Plans for all types of infrastructure, mining, irrigation, river valley projects and industrial projects such as power plants, refineries, ports, airports, highways, residential colonies, hazardous waste sites, forestry and rural development projects etc.
2. Social Impact Assessment Studies for all types of infrastructure, mining, river valley projects and industrial projects such as power plants, refineries, ports, airports, highways, residential colonies, hazardous waste sites, forestry and rural development projects etc.
3. Rehabilitation and Resettlement Studies, Resettlement Action Plans for all types of infrastructure, mining, river valley projects and industrial projects such as power plants, refineries, port, airport, highway, residential colonies, hazardous waste sites etc.
4. Environmental & Social Issues and screening of Infrastructural Projects
5. Safety Audits & Environmental Audits with Energy Conservation Aspects.
6. Environmental monitoring of Air, Water, Noise, Soil, Solid and Hazardous Wastes for all the parameters for industrial emissions, industrial effluents, ambient air etc.
7. Technology Evaluation and Norms Study in Waste Recycling Industry - Distillery and Electroplating.
8. Risk Analysis and Disaster Management Plans.
9. Waste Water Management Both domestic (sewage) and industrial.
10. Ground & Surface Water Treatment and Supply for Rural and Urban Sectors.
11. Design and implementation of Wastewater Treatment Plants including Common Effluent Treatment Plants.
12. Operation and Maintenance of Effluent Treatment Plants.
13. Studies on River, Lake and Forest ecosystems.
14. Watershed and Waste land management.



15. Studies on Noise Pollution and its Control.
16. Studies on Air Pollution and its Control.
17. Solid Waste including Hazardous and Biomedical Waste Management.
18. Oil Spill Response.
19. Rehabilitation of Mines.
20. Environment Management Systems, Design and Implementation.
21. ISO-14000 Certification.
22. Liasioning with State Pollution Control Boards and Ministry of Environment and Forests.

1.1 Ambient Air Quality

The prime objective of the monitoring study with respect to ambient air quality is to establish the present air quality and its conformity to ambient air quality standards.

1.1.1 Sampling Locations and Parameters

The monitoring status of the ambient air quality has been established through field monitoring data on Particulate Matter (PM_{2.5}), Particulate Matter (PM₁₀), Sulphur dioxide (SO₂), Oxides of Nitrogen (NO₂), Carbon Monoxide (CO), Hydrocarbon (HC) The locations for air quality monitoring, sampling and analytical techniques, water sampling locations and Noise level monitoring locations are presented below:



1.1.2 Table: Ambient Air Quality monitoring locations

Sl. No.	Project	Monitoring Locations	
1.	<i>Environmental Monitoring of RKPL</i>	Palanpur	Palanpur Terminal Near Administrative Office, Chandisar
2.			Palanpur Terminal Near Control Room, Chandisar
3.			Palanpur Terminal Near Tank Area, Chandisar
4.		Rewari	Rewari Terminal Near MDPL Office, Karnawas
5.			Rewari Terminal Near VRC Container, Karnawas
6.			Rewari Terminal Near DG Room, Karnawas
7.		SV-2	SV-2 Chainage: 59.12 Mubarikpur AQ – 1
8.			SV-2 Chainage: 59.12 Mubarikpur AQ – 2
9.			SV-2 Chainage: 59.12 Mubarikpur AQ – 3
10.		SV-4	Pipeline Chainage: 121.25 Supawasa AQ – 1
11.			Pipeline Chainage: 121.25 Supawasa AQ – 2
12.			Pipeline Chainage: 121.25 Supawasa AQ – 3
13.		Bharatpur	Bharatpur Depot Near Tank Area (Front Side)
14.			Bharatpur Depot Near Tank Area (Back Side)
15.			Bharatpur Depot Near TWD Sub Station
16.		Mathura	Mathura Depot Near Administrative Office
17.			Mathura Depot Near RKPL Project Office
18.			Mathura Depot Near Water Tank Area, Mathura
19.		SV-5	SV-5 Chainage : 189.02 Ghooncha AQ-1
20.			SV-5 Chainage : 189.02 Ghooncha AQ-2
21.			SV-5 Chainage : 189.02 Ghooncha AQ-3
22.		SV-7	SV-7 Chainage : 257.10, Husainpur AQ-1
23.			SV-7 Chainage : 257.10, Husainpur AQ-2
24.			SV-7 Chainage : 257.10, Husainpur AQ-3
25.		SV-09	SV-09 Chainage: 338.50 Dakpura AQ-1
26.			SV-09 Chainage: 338.50 Dakpura AQ-2
27.			SV-09 Chainage: 338.50 Dakpura AQ-3
28.		SV-11	SV-11 Chainage: 409.75 Jajmuiya AQ-1
29.			SV-11 Chainage: 409.75 Jajmuiya AQ-2
30.			SV-11 Chainage: 409.75 Jajmuiya AQ-3
31.		Kanpur Terminal	Kanpur Terminal Near Builders office
32.			Kanpur Terminal Near Railway Crossing
33.			Kanpur Terminal Near Extention Pole (West)



1.1.3 Table: Water Quality Monitoring Locations

Sl. No.	Project	Monitoring Locations	Sample Source
1.	<i>Environmental Monitoring of RKPL</i>	Palanpur Terminal Near Admin. Office, Chandisar	Ground Water
2.		Rewari Terminal Near VRC Container, Karnawas	
3.		SV-2 Chainage: 59.12 Mubarikpur	
4.		Pipeline Chainage: 121.25 Supawasa	
5.		Bharatpur Depot Near TWD Sub - Station	
6.		Mathura Depot Near Administrative Office	
7.		SV-5 Chainage : 189.02 Ghooncha	
8.		SV-7 Chainage : 257.10, Husainpur	
9.		SV-09 Chainage: 338.50 Dakpura	
10.		SV-11 Chainage: 409.75 Jajmuiya	
11.		Kanpur Terminal Near Builder office	



1.1.4 Table: Noise Monitoring Locations

Sl. No.	Project	Monitoring Locations	
1.	<i>Environmental Monitoring of RKPL</i>	Palanpur	Palanpur Terminal Near Control Room, Chandisar
2.			Palanpur Terminal Near Tank Area, Chandisar
3.		Rewari	Rewari Terminal Near MDPL Office, Karnawas
4.			Rewari Terminal Near HPCL-Lab, Karnawas
5.		SV-2	SV-2 Chainage: 59.12 Mubarikpur NQ1
6.			SV-2 Chainage: 59.12 Mubarikpur NQ2
7.		SV-4	Pipeline Chainage: 121.25 Supawasa NQ1
8.			Pipeline Chainage: 121.25 Supawasa NQ2
9.		Bharatpur	Bharatpur Depot Near Tank Area (Front Side)
10.			Bharatpur Depot Near Tank Area (Back Side)
11.		Mathura	Mathura Depot Near Administrative Office
12.			Mathura Depot Near RKPL Project Office
13.		SV-5	SV-5 Chainage : 189.02 Ghooncha NQ1
14.			SV-5 Chainage : 189.02 Ghooncha NQ2
15.		SV-7	SV-7 Chainage : 257.10, Husainpur NQ1
16.			SV-7 Chainage : 257.10, Husainpur NQ2
17.		SV-09	SV-09 Chainage: 338.50 Dakpura NQ1
18.			SV-09 Chainage: 338.50 Dakpura NQ2
19.		SV-11	SV-11 Chainage: 409.75 Jajmuiya NQ1
20.			SV-11 Chainage: 409.75 Jajmuiya NQ2
21.		Kanpur Terminal	Kanpur Terminal Near Builders office
22.			Kanpur Terminal Near Railway Crossing

