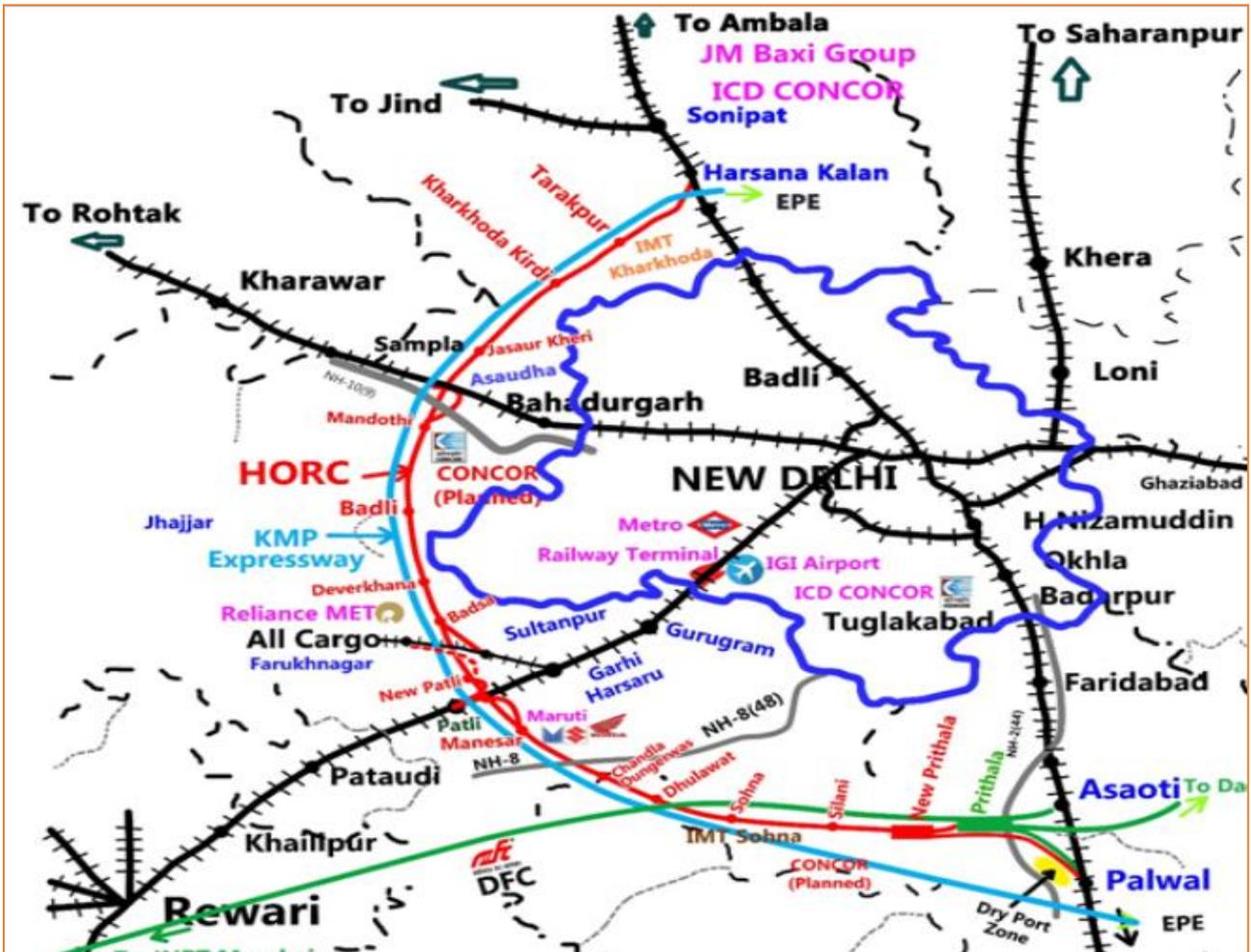




Addendum to Environmental and Social Impact Assessment of Haryana Orbital Rail Corridor Project from Palwal to Sonipat



Draft Report

February 2025

ABBREVIATIONS

ACL	All Cargo Logistics Ltd
ACS	Additional Chief Secretary
AIDS	Acquired immunodeficiency syndrome
AIIB	Asian Infrastructure Investment Bank
BDL	Below Detection Limit
BLQ	Below limit of Quantification
BPL	Below Poverty Line
CALA	Competent Authority for Land Acquisition
CBO	Community-based organizations
CCEA	Cabinet Committee of Economic Affairs
CPCB	Central Pollution Control Board of India
CPM	Chief Project Manager
CSR	Corporate Social Responsibility
CTE	Consent to Establish
CTO	Consent to Operate
DFC	Dedicated Freight Corridor
DFCCIL	Dedicated Freight Corridor Corporation of India
DGM	Deputy General Manager
DRO	District Revenue Officer
EBR	Expanded Board of Railways
EDS	Essential Details Sought
EIA	Environmental Impact Assessment
EMP	Environmental Management Plan
ESF	Environmental and Social Framework
ESHS	Environment, Social, Health and Safety
ESIA	Environment, Social Impact Assessment
ESP	Environmental and Social Policy
GAP	Gender Action Plan
GBV	Gender Based Violence
GMDA	Gurugram Metropolitan Development Authority
GoI	Government of India
GRC	Grievance Redress Committee
GRM	Grievances Redressal Mechanism
HIV	Human Immunodeficiency Virus
HORC	Haryana Orbital Rail Corridor
HRIDC	Haryana Rail Infrastructure Development Corporation
HSIDC	Haryana State Industrial Development Corporation
ICC	Internal Complaints Committee
ICTIPL	International Cargo Terminals & Infrastructure Pvt Ltd
IMT	Industrial Model Township
JGM	Joint General Manage
KMP	Kundali Manesar Palwal
MoEF&CC	Ministry of Environment, Forest and Climate Change
MSIL	Maruti Suzuki India Ltd

NABL	National Accreditation Board for Testing and Calibration Laboratories
NCR	National Capital Region
NCR	Non Compliance Report
OHE	Over Head equipment
OWG	Open Web Girder
PAH	Project Affected Household
PAP	Project Affected People
PMU	Project Management Unit
POSH	Prevention of Sexual Harassment Committee
PPE	Personal Protective Equipment
PPP	Public Private Partnership
PWD	Public Work Department
ROW	Right of Way
SDO	Sub Divisional Officer
SEA	Sexual Exploitation and Abuse
SIA	Social Impact Assessment
SIMP	Social Impact Management Plan
SPV	Special Purpose Vehicle
TDS	Total Dissolved Solids
WDFC	Western Dedicated Freight Corridor

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EXECUTIVE SUMMARY

1.0 Background

Haryana Rail Infrastructure Development Corporation Limited (HRIDC) was incorporated on 22nd August 2017 as a Joint Venture with Government of Haryana and Ministry of Railways with equity participation of 51% and 49% respectively. HRIDC is developing Haryana Orbital Rail Corridor (HORC) from Palwal to Sonapat in the State of Haryana. HORC project comprises of 125.98 km of new railway line with 17 new railway stations and 17.68 km of connectivity lines to the IR and WDFC at five points, totalling 143.66 km.

2.0 Objective of the Project

The main objective of the project is to provide i) connectivity to Dedicated Freight Corridor at Prithla, ii) to provide direct connectivity to Gurugram, Faridabad Ballabhgarh, Palwal, Manesar & Farukh Nagar with all districts of Haryana, iii) to provide peripheral link around Delhi and iv) to ease pressure on transport network of Delhi.

3.0 Rational of Addendum to ESIA Report

The connection between HORC and WDFC at New Prithla (DFC) has already been planned and sanctioned. HORC alignment crosses Aravali Hills, which requires the construction of a tunnel and viaduct between Dhulawat & Sohna (IMT) station to cross the Geographical undulations caused by Aravali Hills. The construction of the tunnel & viaduct being long lead time consuming activities, Dhulawat - New Tauru connection has been conceptualized to facilitate early utilization of part-HORC network as a feeder route to Western DFC, and alternative route for to & from movement between HORC and DFC networks.

This Dhulawat - New Tauru connection was not finalised at the time of Environment and Social Impact Assessment (ESIA) study of HORC project, hence EIA for this connecting line was not included in the main ESIA report. In view of this, addendum to the main ESIA Report is being prepared for Dhulawat - New Tauru connectivity. For a) Legal policy and regulatory framework, b) GRC, c) Implementation arrangements d) Capacity building, contents of main ESIA will be applicable for this addendum report. Stakeholder Consultation is presented in the SIA Report of the connectivity.

4.0 Key Environmental Laws and Regulations

As per provisions of the Environmental Impact Assessment (EIA) Notification 2006 and its subsequent amendments by the Ministry of Environment, Forests and Climate Change (MoEF&CC), Rail Projects are exempted from requirements of Environmental Clearance. The project being funded by AIIB, hence Bank's Environmental and Social Policy (ESP), and the associated Environment and Social Standards (ESSs) namely, ESS 1: Environmental and Social Assessment and Management; ESS 2: Involuntary Resettlement; and the Environmental and Social Exclusion List will apply to this Project in addition to all National Environmental Regulations and Legislations.

The resettlement and rehabilitation policy is based on the basic principle that the project affected persons should improve their living standards in the post-resettlement period and share the benefits of the project. The policy framework and entitlements for the program are based on national and state laws: The Railways Act,1989, the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act,2013, RFCTLARR Act (Haryana Amendment in 2017) and AIIB's

Environmental and Social Framework, 2016. The chapter on applicable policies and legal framework is given in the ESIA report of the HORC project.

5.0 Description of Project

The proposed connectivity is of approximately 4.6 km length. The connectivity will connect Dhulawat Station of HORC and New Tauru station of DFC. In the beginning, the alignment will run parallel to KMP expressway for approximately 1 km then run in the agricultural field for 2.5 km and then run parallel to DFC alignment. The Gauge for this connectivity is Broad Gauge, maximum permissible speed is 160 kmph, connectivity is electrified and the net estimated cost is INR 2520 Million. Train operations shall be managed by Northern Railway. Further, manpower required for stations, commercial operations, fuel / energy cost and operation, maintenance & replacement of all rolling stock shall be on Railway's account. The Concessionaire is expected to take care of maintenance of fixed assets, security, renewals and replacements, insurance, accident repairs etc. at its own cost. The Concessionaire shall have an O&M Agreement with Northern Railway to take care of these issues. There is no associated facility for the proposed connectivity.

6.0 Environment and Social Baseline

The connecting line passes mostly through agricultural field. Between Ch: 1400 m to 1500 m there is small drain which carries wastewater of Padheni village to a sump located on right side. Between Ch: 2000 m to Ch: 2100 m the alignment crossed Rewari-Sohna road. Near chainage Ch: 2120 m the alignment crosses Kharkhari Bandh. There is no water body in RoW of the Connectivity. Two ground water samples were collected along the alignment. The analysis results indicates that Total hardness, Calcium, Iron at village Kharkhari, TDS, Total Hardness and Magnesium of water sample at village Kharkhari near DFCCIL alignment are more than desirable limits but within the permissible limits in the absence of alternate source. Iron at village Kharkhari is exceeding both permissible and desirable limits in the absence of alternate source. Air quality and noise quality was monitored at two locations. The air and noise quality are within Indian and IFC standards at both locations. Measured existing vibration levels is 66.9 VdB. About 147 trees are to be cut for this connectivity. At two locations i.e. i) Palwal Sohna Rewari Road and ii) Kharkhari bundh (an embankment used especially in India to control the flow of water), protected forest in the form of linear strip of plantation is going to be affected by the connectivity.

The socio-economic survey reveals that there are 376 PAHs which includes 1659 PAPs (61.5% males and 38.5% females). The social stratification of the project area shows the dominance of Muslims with 79% of households and Hindus with 21% of households. Other Backward Caste is 91%. The survey data shows that the highest 36% population belongs to the productive age group (19-35 years) whereas the second highest 27% are in the age group of 36-59 years who are also an economically active group. About 58.4% of household members are married. The educational status of PAHs reveals that 23.4% of surveyed people are still illiterate in the project area. The average family income is Rs.14267/-per month. The majority of surveyed persons are cultivators. The SIA study indicates that there are 4.6% of Scheduled Caste households being affected due to the project. But there are no Scheduled Tribes habitats or households in the proposed Dhulawat connectivity corridor.

7.0 Environment Social Impacts

The final alignment of the proposed connectivity has been arrived at after considering environmental and social concerns, considerations of traffic, integration with the existing system and importantly, the overall economic and financial viability. Based on analysis of project and environmental settings, a detailed assessment of potential impacts for different stages of the project has been carried out. For each of these adverse impacts, mitigation measures have been proposed. Various impacts anticipated

from the project during pre-construction and construction stage are: Felling of 147 trees, diversion of forest at two locations, acquisition of about 16.5877 ha of total land out of which 14.5821 ha of land is private, CTE requirement from State Pollution Control Board (SPCB) for setting of Ready-Mix Concreting (RMC), utility shifting/drainage problems, access control and barricading, soil erosion, air, noise & vibration impacts, impact on quality of soil & water, impact on quarry & borrow area. During operation phase, main negative impact will be high noise levels at two locations.

The total land requirement for Dhulawat connectivity as per 20A and 20E Notification of Railway Act is 16.5874 ha. Out of the total land, 14.842 ha is private land, and 1.3734 ha is government land. Based on the census survey carried out for the project, the project affects 18 structures including three residential, 34 Borewells two rooms with borewells, and two farmhouses. A total 367 households consisting of 1651 persons will be affected. No religious and community structures will be affected. Out of the total PAHs, 18 households are in vulnerable groups. Due to the impact on residential structures, three households will be displaced.

8.0 Public Consultation and Disclosure

Consultations and discussions with PAHs and PAPs during the census and socio-economic survey were conducted to understand their perception, concerns, and responses from them. Public consultations were organized in five project-affected villages during July-August 2024. Villagers, Sarpanch, project-affected persons, HRIDC and the General consultant's Social Expert were present during the consultation. The major social issues raised by the people were land acquisition, demolition of structures, compensation, job opportunities, and infrastructure facilities like drinking water, health, and schools. The outputs obtained from these consultation meetings helped in formulating strategies for minimizing impacts.

9.0 Analysis of Alternatives

It is found that alignment for connecting line from Dhulawat station of HORC to New Tauru station of DFC is the only alignment based on technical, economic, social and environmental aspects during the construction and operational stage of the project.

10.0 Environmental and Social Management Plan

An environmental Management Plan (EMP) has been prepared for various impacts. Mitigation measures are designed for the pre-construction phase, construction phase, and operation phase. Various mitigation measures and management plans are suggested for alignment, loss of water bodies, design provision for safety of structures against earthquake, fire, and floods, utility diversion, forest diversion and compensation for loss of trees, erosion control, borrow area, air, noise, water pollution control, solid waste, C&D waste and hazardous waste, soil contamination, labour welfare plan, housekeeping, traffic diversion/management. The preliminary estimated cost of the EMP including implementation and monitoring is INR 5.06 million.

A Social Management Plan (SMP) has been prepared for different stages of the proposed project. The social mitigation measures have been incorporated at all the stages of the project right from Designing phase to Construction and Operational Phase. All care has been taken to provide mitigation measures for all expected social impacts at different stages. The SMP has been formulated for the proposed rail project for mitigation/management/avoidance of potential adverse impacts and the enhancement of the various social components along with overseeing/supervising responsibilities. The budget is indicative, and the cost will be updated and adjusted to the inflation rate as the project continues and during implementation. The cost of Land, structures, and R&R for the proposed Dhulawat connectivity is **INR50.7** crores.

11.0 Summary and Conclusion

Based on the Environmental and Social Impact Assessment it is observed that the proposed Dhulawat connectivity is not likely to cause any significant impacts on the socio-economic condition of people, the ecology of the area & surrounding environment. Overall, the major environmental and social impacts associated with the connectivity are limited to the construction period and can be mitigated to an acceptable level by the implementation of recommended measures and by best engineering and good environmental and social practices.

Also review of environmental regulations indicates that the proposed connectivity does not require Environmental Clearance as per GoI regulations. However, clearances for cutting of trees and diversion of protected forest within the proposed right of way of the alignment will be required from the Forest Department.

Chapter:1 Introduction

1.1 Introduction

Haryana Rail Infrastructure Development Corporation Limited (HRIDC) was incorporated on 22nd August 2017 as a Joint Venture with Government of Haryana and Ministry of Railways with equity participation of 51% and 49% respectively. The Company has a mandate of selecting bankable railway projects for development, study, arranging finance, execution of Projects and to boost the Rail infrastructure projects in the state of Haryana on the principle of cooperative federalism.

HRIDC is developing Haryana Orbital Rail Corridor (HORC) from Palwal to Sonipat in the State of Haryana, bypassing Delhi. It is envisaged that the Haryana Orbital Rail Corridor (HORC) will facilitate the diversion of goods traffic not meant for Delhi region and will help in developing multimodal hubs in National Capital Region (NCR) region of Haryana. The project will serve open unserved areas of the state of Haryana, thereby enhancing economic and social activity of the Haryana sub-region of NCR. The project will also serve passenger trains on this route, which will directly connect region of Gurugram with capital of state i.e., Chandigarh, bypassing Delhi, leading to reduced journey travel time.

The HORC corridor will take off from New Pirthala station with suitable connectivity to existing Palwal Station of Indian Railway and proposed Pirthala Yard of DFCCIL. This project will also have connectivity with existing Indian Railway stations at Patli on Delhi-Rewari section, Sultanpur on Farukhnagar-Garhi Harsaru section, Asaudah on Delhi-Rohtak section and Harsana Kalan on Delhi-Panipat Section.

HORC is being built on Public Private Partnership (PPP) model. HRIDC, Haryana State Industrial & Infrastructure Development Corporation (HSIIDC), Gurugram Metropolitan Development Authority (GMDA), Maruti Suzuki India Ltd (MSIL), International Cargo Terminals & Infrastructure Pvt Ltd (ICTIPL) & All Cargo Logistics Ltd (ACL) have joined together to form a Special Purpose Vehicle (SPV) under the name & style of Haryana Orbital Rail Corporation Limited (HORCL).

Haryana Orbital Rail Corridor (HORC) project has secured approval from Cabinet of Government of Haryana on 16.07.2019 & approval from Expanded Board of Railways (EBR) on 24.10.2019. HORC has also been approved by Cabinet Committee of Economic Affairs (CCEA), Chaired by Hon'ble Prime Minister on 15.09.2020.

1.2 Objective of the Project

The main objectives of the projects are:

- To provide connectivity to Dedicated Freight Corridor (DFCCIL) at Prithla, thereby increasing export of agriculture products, automobile & automobile parts, cement, electric & electronics, stainless steel products etc.
- To provide direct connectivity to Gurugram, Faridabad, Ballabhgarh, Palwal, Manesar & Farukh Nagar with all the districts of Haryana.
- To provide peripheral link which will help in industrial growth of cities around Delhi.
- To ease pressure on transport network of Delhi as traffic movements in radial will shift to peripheral.
- To increase proximity of crossing stations to human settlements for future development as passenger corridor.
- To increase rail share by diversion of freight from existing road-based modes to railways.

1.3 Benefits of the Project

The project will facilitate the diversion of goods traffic not meant for Delhi and will help in developing multimodal hubs in NCR region of Haryana. The project will serve open unserved areas of the state of Haryana, thereby enhancing economic and social activity of the Haryana sub-region of NCR.

In addition, the rail corridor will serve passenger trains on this route, which will directly connect region of Gurugram with capital of state i.e. Chandigarh, bypassing Delhi, leading to reduced journey travel time. Also, it is proposed that trains like Shatabdi Express, etc. may take this route bypassing Delhi so as to provide fast, reliable, safe and comfortable journey to the citizens of Haryana. Also, the proposed corridor will facilitate running of trains from Bijwasan Railway terminal in Delhi to various parts of the state of Haryana.

Further, there was a need for connecting Southern Districts of Haryana with Northern Part of Haryana and its Capital city Chandigarh, bypassing Delhi. This Project will fulfil this long pending demand of the people of the State. This Project along with KMP Expressway will act as an Economic Corridor for the NCR region and will give boost to industrial growth and urbanisation in this area. The project will promote creation of logistics hubs and is expected to serve the major logistic hubs and also encourage development of new logistic hubs and market yards in the region.

1.4 Rational of Addendum to ESIA Report

Connection between HORC and WDFC at New Prithla (DFC) has already been planned and sanctioned. HORC alignment crosses Aravali Hills, which require construction of a tunnel and viaduct between Dhulawat & Sohna (IMT) station to cross the Geographical undulations caused by Aravali Hills. The construction of tunnel & viaduct being long lead time consuming activities, Dhulawat - New Tauru connection would facilitate early utilization of part-HORC network as a feeder route to Western DFC, and alternative route for to & fro movement between HORC and DFC networks.

This Dhulawat - New Tauru connection was not finalised at time of Environment and Social Impact Assessment (ESIA) study of HORC project, hence EIA for this connecting line was not included in the main ESIA report. On finalization of alignment of this connecting line, EIA study of this project component is being carried out as addendum to the main ESIA study. This document is for broad gauge single line connecting Dhulawat to New Tauru.

1.5 Policy and Regulatory Requirements

1.5.1 Government of India Regulatory Requirements

EIA Notification 2006 (and its amendments) published under the Environment (Protection) Act, 1986 provides for the requirement of prior environmental clearance to the projects/activities listed in the schedule to the EIA Notification 2006 from the concerned regulatory authority (Central/State). Since rail-based systems are not listed in the said schedule of the EIA Notification, hence prior environmental clearance from MOEF&CC for Dhulawat – New Tauru connectivity is not required. Therefore, as per national policies and regulatory framework, there is no need to prepare an EIA report for the project.

1.5.2 AIIB Requirements

HORC project is being financed by Asian Infrastructure Investment Bank (AIIB). An Environmental and Social Impact Assessment (ESIA) study for HORC project was carried out as per AIIB Environmental and Social Framework (ESF) by HRIDC in 2020-22 and the ESIA report was approved by AIIB in August 2022. This ESIA report was disclosed on AIIB and HORCI websites. The link for the same are <https://www.aiib.org/en/projects/details/2020/approved/India-Haryana-Orbital-Rail-Corridor-Project.html> and <https://horcl.co.in/>. Since Dhulawat – New Tauru connectivity is included in the later stage of the HORC project and ESIA of this connectivity was not included in the original ESIA report of the HORC project, hence ESIA study for this connectivity is now being carried out and this ESIA report is Addendum to main ESIA report.

All the legal requirements for the connectivity line will be same as for HORC project. For detailed policy and regulatory requirements, Chapter -3 (Legal policy and regulatory framework) of ESIA for HORC project may be referred.

1.5.3 Category of the Project as per AIIB ESF

Majority of the HORC project alignment is aligned with the existing KMP Expressway corridor and the project has been classified as category A, in accordance with the AIIB Environmental and Social Framework (ESF). This is due to the social risks and impacts stemming from the displacement of a significant number of project-affected people. This addendum covers the Environment Impact Assessment for connecting line from Dhulawat to Tauru (hereinafter termed as “Project”). Since, this addendum is an extended part of original ESIA report for HORC project, the Category of the project as per AIIB Environmental and Social Policy Framework will remain the same.

1.5.4 Environment Clearance Requirements for the Connectivity

Various Environmental clearances will be required during different stages of the construction of the connectivity for Environmental protection. These clearances along with responsibly are given in Table below:

Table 1.1: Environmental Clearance Requirements

S. No	Clearance/ Permission/Permit	Statutory Authority	Applicability	Responsibility
Pre-construction stage				
1	Forest Clearance	MoEF&CC	For diversion of Forest land along road and bund which falls under protected forest.	HRIDC
2	Tree felling permission	State Forest department	Felling of trees	HRIDC
Construction Stage				
3	Consent to Establish and Consent to operate Ready mix concrete plants under The Water (Prevention and Control of Pollution) Act, 1974, amended 1988 and The Air (Prevention and Control of Pollution) Act 1981, amended 1987	State Pollution Control Board	For establishing and operation of Ready-mix concrete plants	Contractor
4	Authorization for generation, handling, storage and transportation hazardous waste under Hazardous and	State Pollution Control Board	Disposal of Hazardous waste	Contractor

S. No	Clearance/ Permission/Permit	Statutory Authority	Applicability	Responsibility
	other Wastes (Management & Transboundary Movement) Rules, 2016			
5	Pollution Under Control Certificate under Central Motor and Vehicle under Central Motor and Vehicle Act 1988, Vehicular Exhaust Norms, CPCB 2007	Department of Transport	For all construction equipment's	Contractor
6	Permission for extraction of Ground water	Haryana Water Resources	Ground water extraction	Contractor
7	C&D Waste Management Plan under Construction & Demolition Waste Management Rules, 2016	Local Authority (Municipal Corporation)	C&D waste generated from construction site	Contractor
8	Employing Labour/Workers	District Labour Commissioner	The Building and Other Construction Workers (Regulation and Employment Conditions of Service) Act, 1996	Contractor

1.6 Extent of ESIA

The connecting line takes off near Chainage 32000 of main HARC alignment and the farthest point of the connecting line is located within 2.6 km distance of main HARC alignment, hence, to avoid duplication, the majority of primary and secondary information on environment parameters, legal policy and regulatory framework, Grievance Redressal Mechanism (GRM), capacity building and institutional arrangement shall be referred to ESIA report for HARC corridor. The impacts and mitigation measures during the construction and operational phase relevant to Connecting line from Dhulawat to New Tauru are mentioned in this report.

1.7 Objectives of ESIA

This EIA has been prepared to fulfill AIB ESF requirements. It also complies with environmental safeguards requirements of India. The EIA aims to ensure good environmental practices. The specific objectives of the EIA study are to:

- Provide an environmental and social baseline description of the Project;
- Identify and describe the potential environmental and social impacts of the Project;
- Design mitigation measures to minimize adverse environmental and social impacts;
- Provide an environmental and social management and monitoring plan for the project and the required budget.

1.8 Approach and Methodology for ESIA Study

The approach and methodology for carrying out the ESIA study for the HORC project are being followed for this connectivity. A detailed approach and methodology is given in section 1.5 of the ESIA report of the HORC project.

1.8.1 Methodology for Social Impact Assessment

The methodology adopted for social impact assessment for the proposed Dhulawat connectivity is summarized in **Table 1.2**.

While conducting SIA, the study team adopted a participatory approach which was based on:

- a. A clear understanding of objectives and the scope of work of the proposed connectivity of HORC with DFC from Dhulawat (HORC) to New Tauru (DFC);
- b. Various Acts, Policies and Guidelines issued by Govt. of India and Govt. of Haryana relevant to SIA, LA and R&R and AIIB policies.
- c. A clear understanding and appreciation of the local conditions based on site visits and previous experience of this project;
- d. Formulation of an appropriate work plan based on an understanding of the important issues and likely time requirements;
- e. Use of effective project management and coordination systems;
- f. Conducting social surveys for assessing social impacts and is based on the Land Acquisition Plan (LAP) and alignment drawing approved and provided by the HRIDC.
- g. Preparing SIA report as per the scope of work issued by HRIDC and requirements of AIIB.

Table 1.2: Methodology for SIA

METHODOLOGY FOR SIA	
STEP: 1	<p>Mobilization</p> <ul style="list-style-type: none"> • Meetings and discussions held with HRIDC • Reconnaissance survey and demarcating the area impacted by the project i.e., noting down the landmarks.
STEP:2	<p>Desk Research</p> <ul style="list-style-type: none"> • Review of relevant literature • Study of alignment drawings, Acts & Policies, Guidelines, and other administrative documents after making available from HRIDC • Collection of data/information from Secondary Sources • Review of approved data collection instrument
STEP:3	<p>Field Studies</p> <ul style="list-style-type: none"> • Site visit for verifying the alignments on the ground and identify the impact zones/areas and information dissemination • Provide training to HRIDC/GC and LA staff for primary data collection by using approved data collection instruments. (It consisted of detailed discussions on Questionnaires and Data collection methods, sampling process, identification of project-affected structures and listing of structures and households etc.)

	<ul style="list-style-type: none"> • Discussions with the local community and local people about the projects and its benefits • Identification of affected structures and listing of structures • Conduct of Census and Socio-Economic Survey of affected households • Carrying out meaningful consultations with villagers particularly PAPs, and vulnerable groups.
STEP:4	<p>Data Processing & Data Analysis</p> <ul style="list-style-type: none"> • Scrutiny of filled-in-Questionnaires • Coding, data entry, and verification • Tabulation of Data • Generation of trial and final tables and • Data analysis
STEP:5	<p>Report writing</p> <ul style="list-style-type: none"> • Writing of draft report and submission • Submission of final reports after incorporating the comments and clarifications of HRIDC and AIIB.

The Questionnaire used for the Census Survey and Socio-Economic Survey for Dhulawat have already been annexed as an **Annexure** in the ESIA report of the HORC project.

1.8.2 Census Survey and Socio-Economic Survey

The land acquisition plan and 20E provided by CALA, Nuh formed the basis for conducting census and socio-economic survey. The study team was provided a village-wise list of landowners with Jamabandi (Khewat and Khata No), Survey No. and area of acquisition for conducting the survey. A census survey was conducted with landowners who were available during the survey. Efforts were made by revisiting the villages to survey with as many affected persons as possible. Affected persons not staying in the concerned village and nearby areas and those whose whereabouts could not be traced have not been covered in the survey. As per 20E, there are 302 landowners with 446 households. Out of the total households, 367 households have been covered in the census survey and the remaining 79 households were not covered as they are not staying in the concerned villages.

The socio-economic survey was carried out for 40-50% of the total affected households who were recorded during the census survey. The census and socio-economic data were collected during July - August 2024. The study team with the help of LA staff, Nuh deployed by HRIDC conducted door-to-door personal interviews for the census survey and socio-economic survey. Before the commencement of the field survey, all the field staff were given orientation and extensive training about various aspects of the questionnaire.

1.9 Structure of the ESIA Report

In line with the requirements of the AIIB ESF, this addendum to the main ESIA Report has been organized into sections on similar lines as that of the main report which covers

- (i) Executive Summary;
- (ii) Introduction;
- (iii) Project Description;
- (iv) Environmental and Social Baseline;

- (v) Potential Environmental and Social Impacts;
- (vi) Public Consultation and Disclosure
- (vii) Analysis of Alternative
- (viii) Environment and Social Management and Monitoring Plan and;
- (ix) Conclusion, and Recommendations.

The chapters on a) Legal policy and regulatory framework, b) GRM, c) Implementation arrangements d) Capacity building e) livelihood restoration plan, f) stakeholders' engagement plan, g) gender action plan of main ESIA and RP reports will be applicable. However, a chapter on stakeholder consultation is presented in this report.

Chapter:2 Project Description

2.1 Introduction

Haryana Rail Infrastructure Development Corporation Ltd. (Joint Venture of GoH & MoR) is executing the Haryana Orbital Rail Corridor (HORC) project which was sanctioned by CCEA on 15.9.2020. HORC project is planned from Prithla to Sonipat via Sohna, Manesar & Kharkhoda and mostly running parallel to KMP Expressway.

New Tauru station of DFC is very close to proposed Dhulawat station of HORC, i.e. approximately 4.6 km away only. Connection between HORC and WDFC at New Prithla (DFC) has already been planned. Sanctioned HORC alignment crosses Aravalli Hills requiring construction of a tunnel and viaduct between Dhulawat & Sohna (IMT) station. The construction of tunnel & viaduct being long lead time consuming activities, Dhulawat - New Tauru connection would facilitate early utilization of part HORC network as a feeder route to WDFC and alternative route for to & fro movement between HORC and DFC networks. The proposed alignment passes through Nuh District of Haryana. The in-principle approval of the proposed connectivity from DFCCIL is placed at **Annexure 2.1**.

2.2 Existing and Associated Facilities

As per AIB Associated Facilities are activities that are not included in the description of the Project set out in the Legal Agreements governing the Project, but which, following consultation with the Client, the Bank determines are: (a) directly and materially related to the Project; (b) carried out, or planned to be carried out, contemporaneously with the Project; and (c) necessary for the Project to be viable and would not be carried out if the Project did not exist.

HORC project will use existing facilities at New Tauru station of DFCCIL during operation of this connectivity. The DFCCIL corridor is already in operation for which the Environmental Impact Assessment has already been conducted. There is no associated facility for the proposed connectivity. The justification for the same is given in the following paragraphs:

Sleeper Plants or Ballast quarry: No new sleeper plants or quarries for ballast will be developed for the proposed project. Only existing licensed quarries and sleeper plants will be used for the project. Moreover, no additional power transmission line/substations will be developed by other agency.

Connectivity of HORC with DFCCIL Network: This infrastructure does not come under the definition of Associated facilities, DFCCIL network is having pan India spread with its independent status having much wider network. More importantly HORC does not exercise any influence or control over DFCCIL network for administrative processes.

2.3 Route Description

In the beginning, the proposed connectivity alignment runs parallel to Kundali Manesar Palwal (KMP) expressway then takes a right turn to cross the KMP expressway. After that, the alignment runs straight for most of the part. To avoid obstructions viz. road, bundh various bridges have been introduced in alignment. After the straight portion, the alignment takes a right turn and runs parallel to DFC alignment. The alignment details, regarding curves, their radius and the intermediate proposed structures with their respective dimensions have been tabulated below:

Table 2.1: Route Description

From	To	Alignment Description	Radius(m)	Remarks
0	907.802	Straight	-	Parallel to KMP
907.802	1373.830	Curve (LH)	580	KMP expressway crossing
1373.830	3238	Straight	-	Cart Track
				Drain
				Road Bridge
				Waterway Bridge
				Road Bridge
3237.735	4055.772	Curve (LH)	440	FOB

2.4 Salient Features

Salient features of proposed rail infrastructure facilities is given in **Table 2.2** below:

Table 2.2: Salient Features

1.	Serving Railway Stations	: Dhulawat (HORC) & New Tauru (DFCCIL)
2.	Route length	: 4.610 Km
3.	Gauge	: Broad Gauge 1676 mm
4.	Ruling Gradient	: 1 in 150 (compensated)
5.	No. of Curves	: 2
6.	Maximum Permissible Speed	: 160 kmph
7.	Bridges:- Major RUB Minor RUB Water Way:- Major Minor	: 1 : 3 : 1 : 1 : 1
8.	Design Loading	IRS 32.5T (Sub-Structure) and 25T (Super-Structure) Axle load
9.	Rails	: 60 Kg (T-12)/90 UTS - Prime quality
10.	Sleepers	: 60 kg PSC sleepers with 1660 Nos. Per Km
11.	Point and Crossings	: 1 in 12 with CMS crossings, thick web switches on PSC Sleepers with fan-shaped layout in crossing stations connecting with main line and loop lines
12.	Rail Joints	: Primarily LWR Track with SWR on sharp curves and at other obligatory locations.
13.	Ballast	: 65 mm size Ballast with 350 mm cushion
14.	OHE and Traction	: Electrified (High Rise)
15.	Net Estimated Cost	: INR 2520 Million
16.	Number of crossing/Junction stations	: Nil
17.	Safety Provisions	: The stations and the locations where infringement from outside is envisaged shall be barricaded.

Figure 2.1: Dhulawat-New Tauru Connectivity Plan

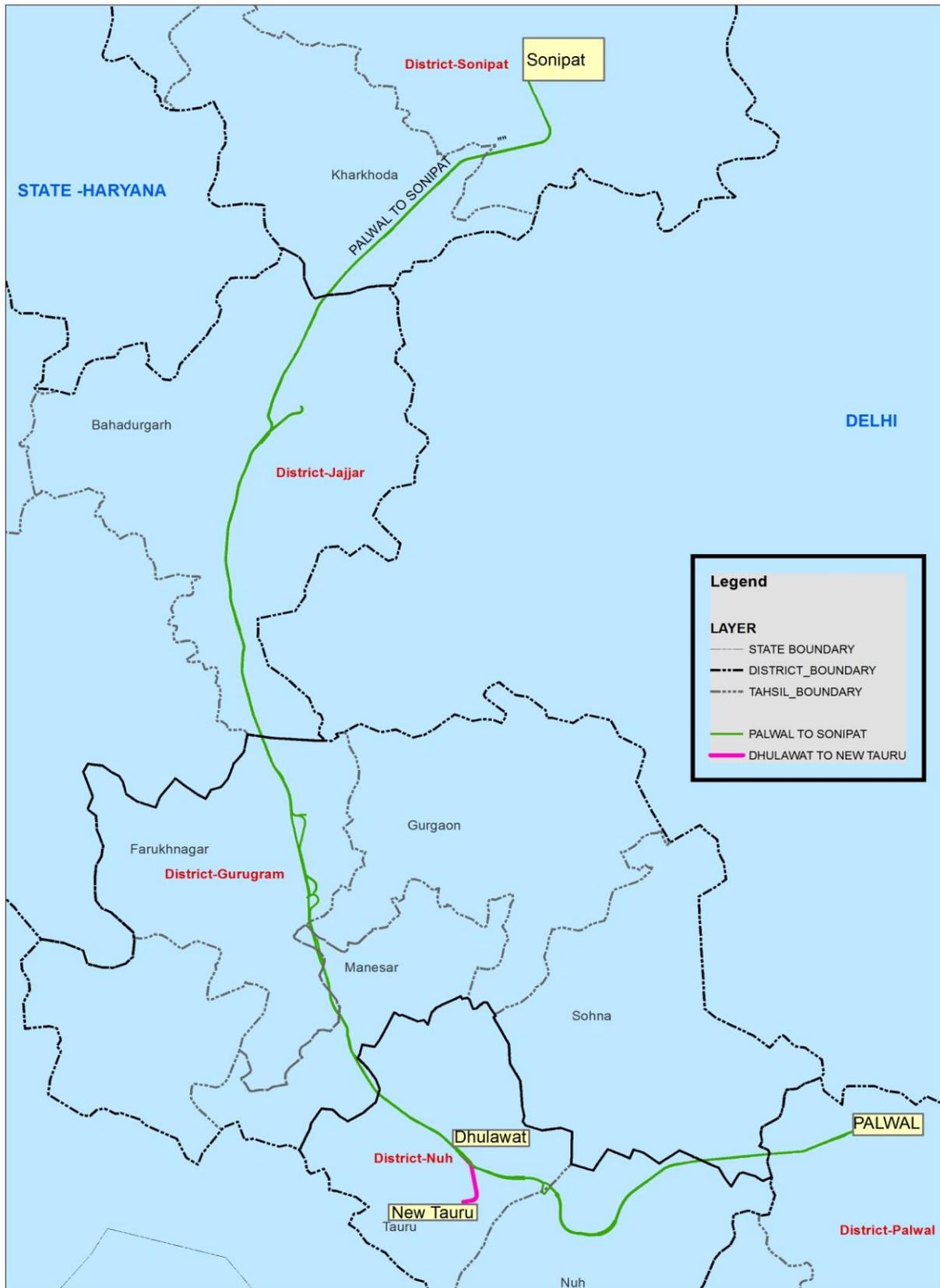
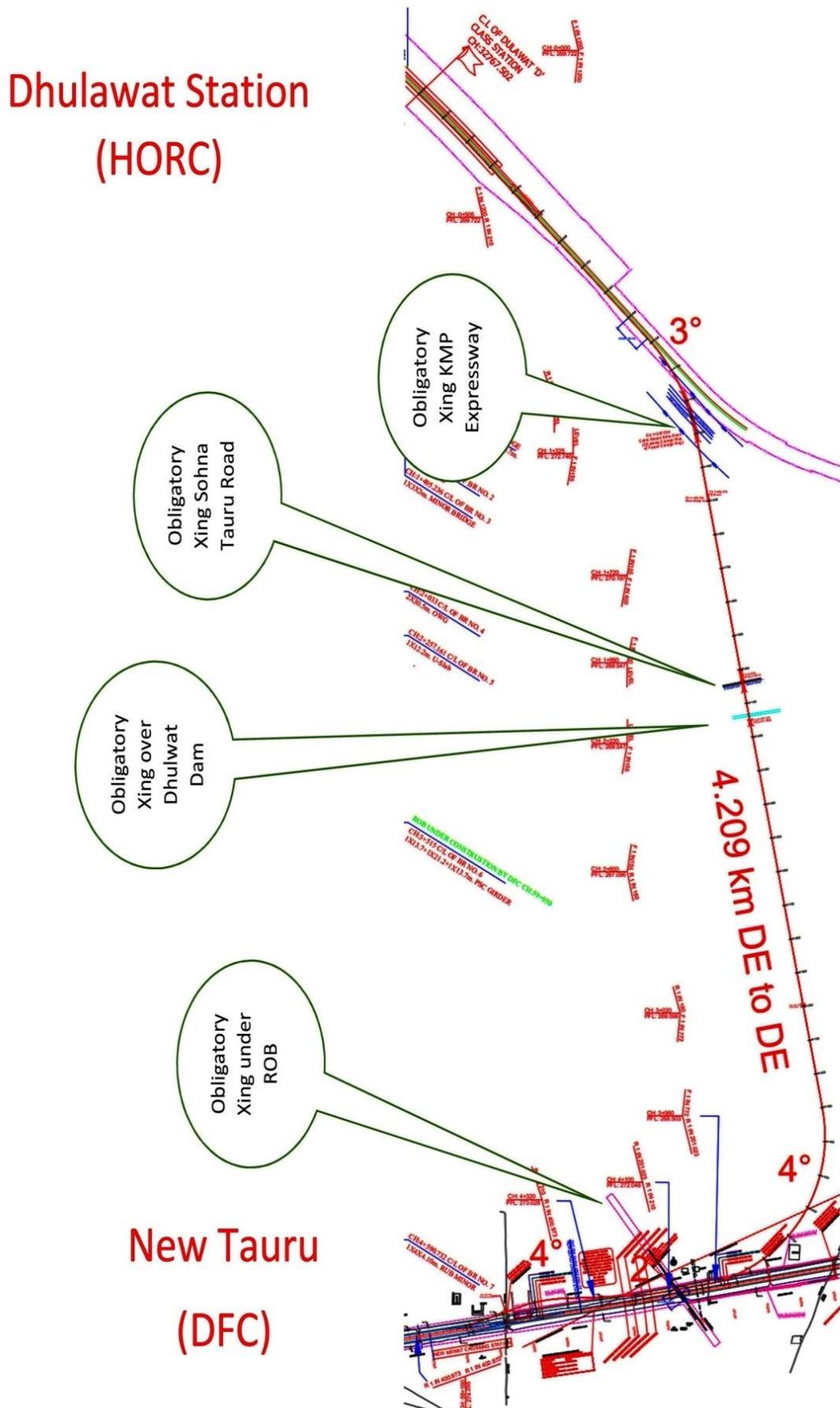


Figure 2.2: Dhulawat-New Tauru Connectivity Details



2.5 Project Resources

Labour camps: Labour camps will be set up by the Contractor as per the BOCWA/HBOCWR. The labour camps will be setup by the Contractors at suitable locations as per the construction site. Facilities such as shelter at workplace, canteen, first aid and day crèche (if required) are statutory requirement that will be provided by the contractors along with the drinking and sanitation facilities.

It is estimated that about 240 labours are likely to work during peak construction activity. The estimated peak water requirement in the labour camps comes out to be about 17 KLD. Estimated quantities of wastewater and solid waste generated from labour camps is about 13 KLD and 24.00 Kg per day respectively. To minimize the impact from the labour camp sanitation facilities, solid waste storage bins and adequate drinking water arrangement will be provided by contractor during the entire construction period.

Construction Material:

Various construction materials i.e. soil, aggregate, sand, cement, ballast and sleepers will be required for proposed connectivity.

Soil, Aggregate and Sand

Soil, aggregate and Sand will be sourced from approved license quarries. Contractor will take prior approval for the engineer for the same by submitting the requisite documents.

Rails

60 Kg is envisaged for connectivity and 60/52 Kg second hand rails to be used on loop lines and as guard rails for major bridges.

Ballast

Track Ballast as per IRS: GE-1 with 350 mm minimum cushion for mainline and 250mm for loop line have been envisaged for the project.

Sleepers

60 Kg PSC sleepers with 1660 nos. per Km for entire stretch/ alignment shall be used.

Storage and access roads: The construction material cement, sand, aggregate will be stored by the contractor in the Batching plant area. Sand and aggregate will be covered by the green net/tarpaulin. Cement will be transported in the bulker and will be store in Silos. Rails and sleepers will be stored by the contractor at the location provided by HRIDC. The proposed connectivity is near to KMP and the site is connected by roads. So, no other access road needs to be constructed for the connectivity.

2.6 Implementation Schedule and Packaging Details

To facilitate Phase wise commissioning of the HORC project, with corresponding Revenue generation and facilitating sanction of part loan from AIB, the overall project is divided into two parts as follows:

- **Part-A:** Construction of 29.5 km of HORC and 15.6 km route connectivity, from chainage km 32 to km 61.5, including civil works and design, supply, installation, and testing and commissioning of high-rise overhead electrification with 2x25 kV, general electrical services and signaling and telecommunication (S&T) and laying of new broad gauge double railway track.
- **Part-B:** Balance portion of HORC. Dhulawat - New Tauru connectivity is planned in Part-B.

The Schedule and contract Packaging of Dhulawat - New Tauru connectivity is as follows:

Table 2.3: Packaging Details and Scheduling of Dhulawat-New Tauru Connectivity

S.No	Package No.	Description	Scheduled Dated		
			Tender Invitation date	Tender Receiving	Contract Signing
1	C-7	Composite Works Contract for Design and Construction of Civil Works (Earthwork, Bridges, Station Buildings, Retaining Walls & other miscellaneous Works) and General Electrical Services works for new single Broad Gauge (BG) line connectivity from Dhulawat station of HORC to existing New Tauru station of DFCCIL in connection with laying of New BG Double Railway line of HORC Project.	June-25	Aug-25	Nov-25
2	SYS-3	Design, Supply, Installation, Testing & Commissioning of 2x25kV, 50Hz, AC, High Rise Overhead Electrification (OHE), Power Supply System and SCADA in connection with laying of new single Broad Gauge (BG) line connectivity from Dhulawat station of HORC to existing New Tauru station of DFCCIL in connection with laying of New BG Double Railway line of HORC Project.	Dec-25	Feb-26	May-26

Note: S&T works are proposed to be done under SYS-2 Package

2.7 Operation and Maintenance

In terms of extant policy of Railway Board, train operations shall be managed by Northern Railway. Further, manpower required for stations, commercial operations, fuel/energy, cost and operation, maintenance & replacement of all rolling stock shall be on Railway's account. The Concessionaire is expected to take care of maintenance of fixed assets, security, renewals and replacements, insurance, accident repairs etc. at its own cost. The Concessionaire shall have an O&M Agreement with Northern Railway to take care of these issues.

Figure 2.3: Site Photographs



Chapter:3 Environmental and Social Baseline

3.1 General

Environmental baseline describes the existing environmental setting of the study area. Primary baseline data for air, noise, water, soil, vibration, and ecology was collected in Right of Way (Project Area) as well as the area falling within 500 meters on either side of RoW. Secondary data which was collected for 10 km on either side of HORC alignment in the ESIA report for the HORC alignment will remain same for the present connectivity.

The objective of the Environmental Impact Assessment (EIA) is to ascertain the baseline environmental conditions and then assess the impacts as a result of the proposed project during various phases of the project cycle. The environmental baseline data has been compiled for: Land Environment, Water Environment, Ambient Environment (Ambient Air Quality, Noise Quality and Vibration) and Ecological Environment (Terrestrial). The environmental baseline data collection was carried out in the month of August 2024.

3.2 Site Reconnaissance Survey

Site Reconnaissance Surveys of the Dhulawat – New Tauru connectivity were conducted to understand the general characteristics of the project and identify areas of concern.

Site familiarization Walks which involve systematic observations made on foot & Wind-Shield Survey (systematic observations made through a moving vehicle for general examination of the study area prior to the detailed field study) were carried out. The key observations of the site reconnaissance survey for Dhulawat – New Tauru connectivity are presented in

Table 3.1

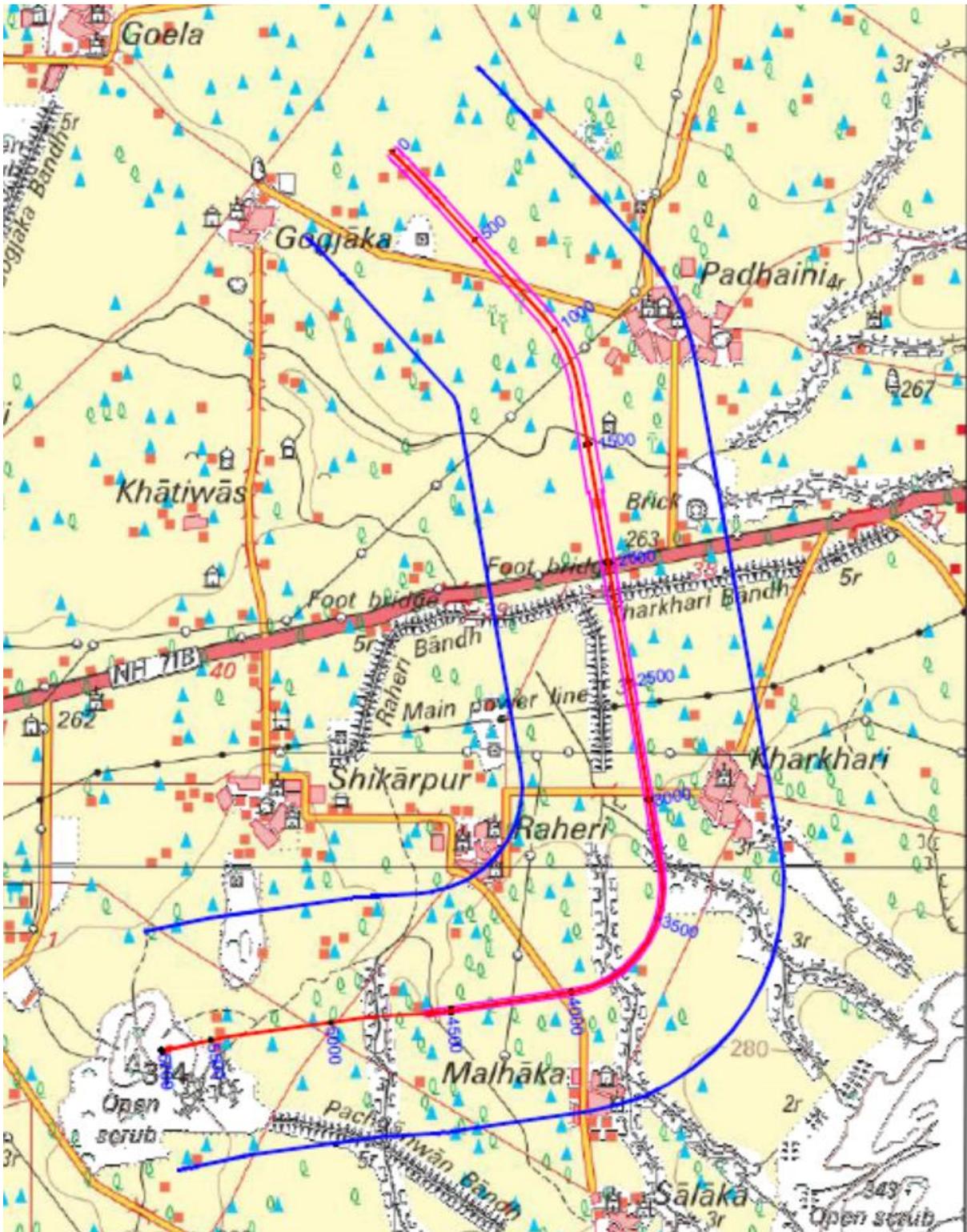
Table 3.1: Key Observation of Site Reconnaissance Surveys

Location	Key Observations
Chainage 0-1200m	<ul style="list-style-type: none"> • The alignment starts parallel to Kundali Manesar Palwal (KMP) Expressway and C-3 package of HORC. KMP Expressway is on right side and C23 package on left side. • On left side (around chainage 1200), Village Padheni is located at distance of about 120 m; • At Ch: 1200, the alignment takes a right turn and crosses KMP Expressway; • There are few trees in the RoW of the alignment in this stretch.
Chainage: 1300 m to Ch: 2000 m	<ul style="list-style-type: none"> • The alignment passes through the agricultural field between Ch: 1300 m to Ch: 2000 m; • Between Ch: 1400 m to Ch: 1500 m there is an Shamshan Ghat (Cremation ground) on left side. The alignment is so adjusted that this cremation ground is saved; • Between Ch: 1400 m to 1500 m there is small drain which carries waste water of Padheni village to a sump located on right side.
Chainage: 2000 m to Ch: 3400 m	<ul style="list-style-type: none"> • The alignment passes through the agricultural field between Ch: 2000 m to Ch: 3400 m; • Between Ch: 2000 m to Ch: 2100 m, the alignment crossed Rewari-Sohna road;

Location	Key Observations
	<ul style="list-style-type: none"> • Near chainage Ch: 2120 m, the alignment crosses Kharkhari Bandh; • Kharkhari Bandh runs parallel to the alignment from Ch: 2120 to about Ch: 2800 m on right hand side; • On the left side of alignment is Kharkhari village and on the right hand side is the Raheri Village; • At Ch: 2980 m, the alignment crosses the road connecting Kharkhari and Raheri Village.
<p>Chainage: Ch: 3400 m to 4600 m</p>	<ul style="list-style-type: none"> • Again between Ch: 3400 m to 3890 m the alignment passes through the agricultural field; • Near Ch: 3400 m the alignment takes a right turn. The curve ends at Ch: 4000 m; • After Ch: 4000 m the alignment runs parallel to Dedicated Freight Corridor (DFC); • The nearest habitation on right side is Raheri Village at a distance of about 450 m from RoW; • Between Ch: 3600 m to Ch: 3800 m there are few houses on left hand side; • When the alignment runs parallel to DFC alignment, the Malhaka village is on left hand side at a distance of about 90 m. DFC corridor is in between the alignment and Malhaka village.

The Alignment on Toposheet is given in **Figure 3.1** and kilometre wise google earth images showing the landuse is given in **Figure 3.2**. Satellite maps of 10 km buffer zone and landuse and landcover maps of 10 km buffer zone of HORC alignment are given in **section 4.4.3.4** of ESIA report of HORC alignment. Satellite map and landuse-landcover map of the section in which Dhulawat – New Taru connectivity falls are given in **Figure 3.3 and 3.4** respectively. It can be observed that the majority of the alignment is passing through the agricultural field.

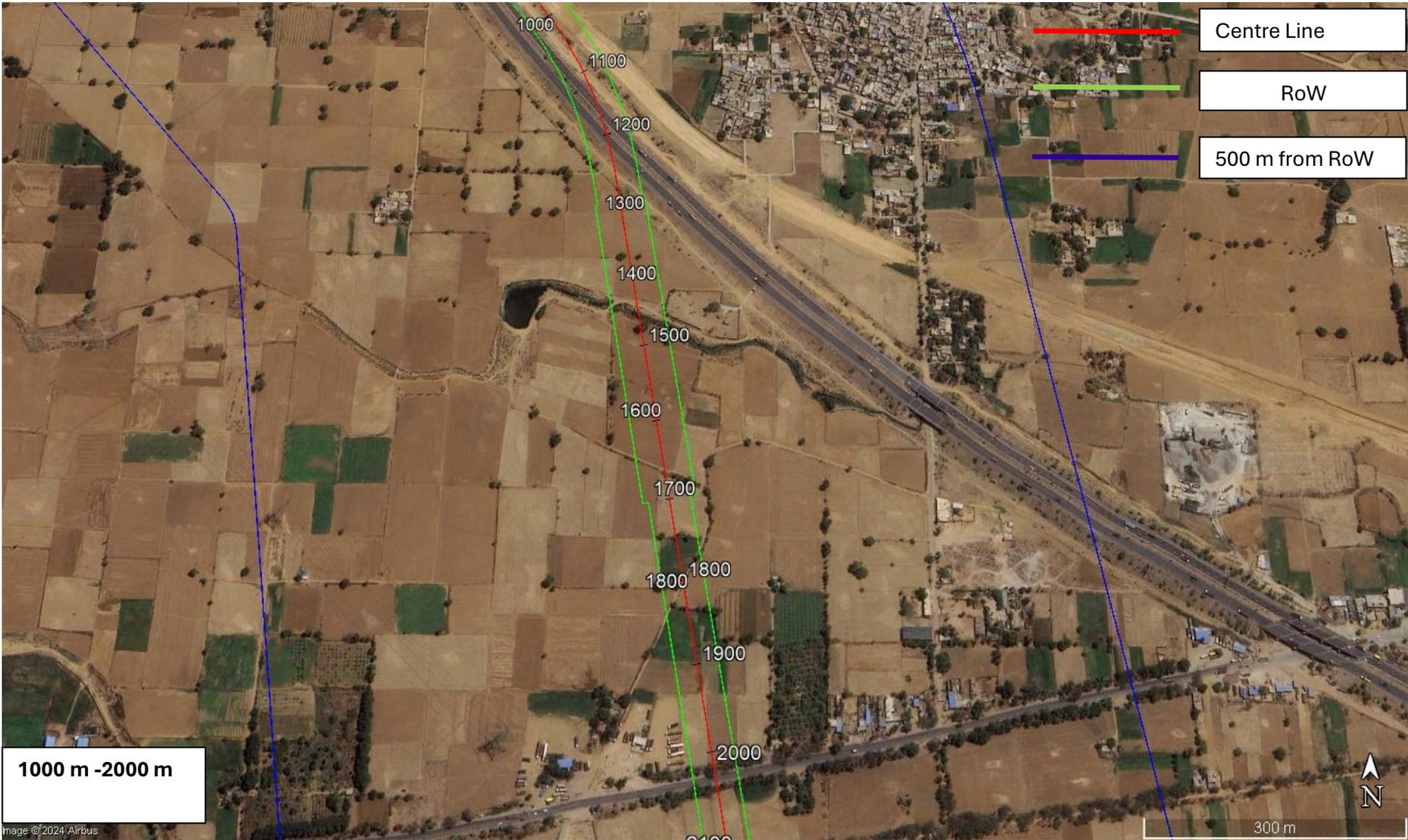
Figure 3.1: Dhulawat - New Tauru Connectivity on Toposheet



-  Centre Line
-  Centre Line
-  500 m line

Figure 3.2: Kilometer wise Images









	Centre Line
	RoW
	500 m from RoW



Figure 3.3: Satellite Map of 10 Km on Either Side of Alignment

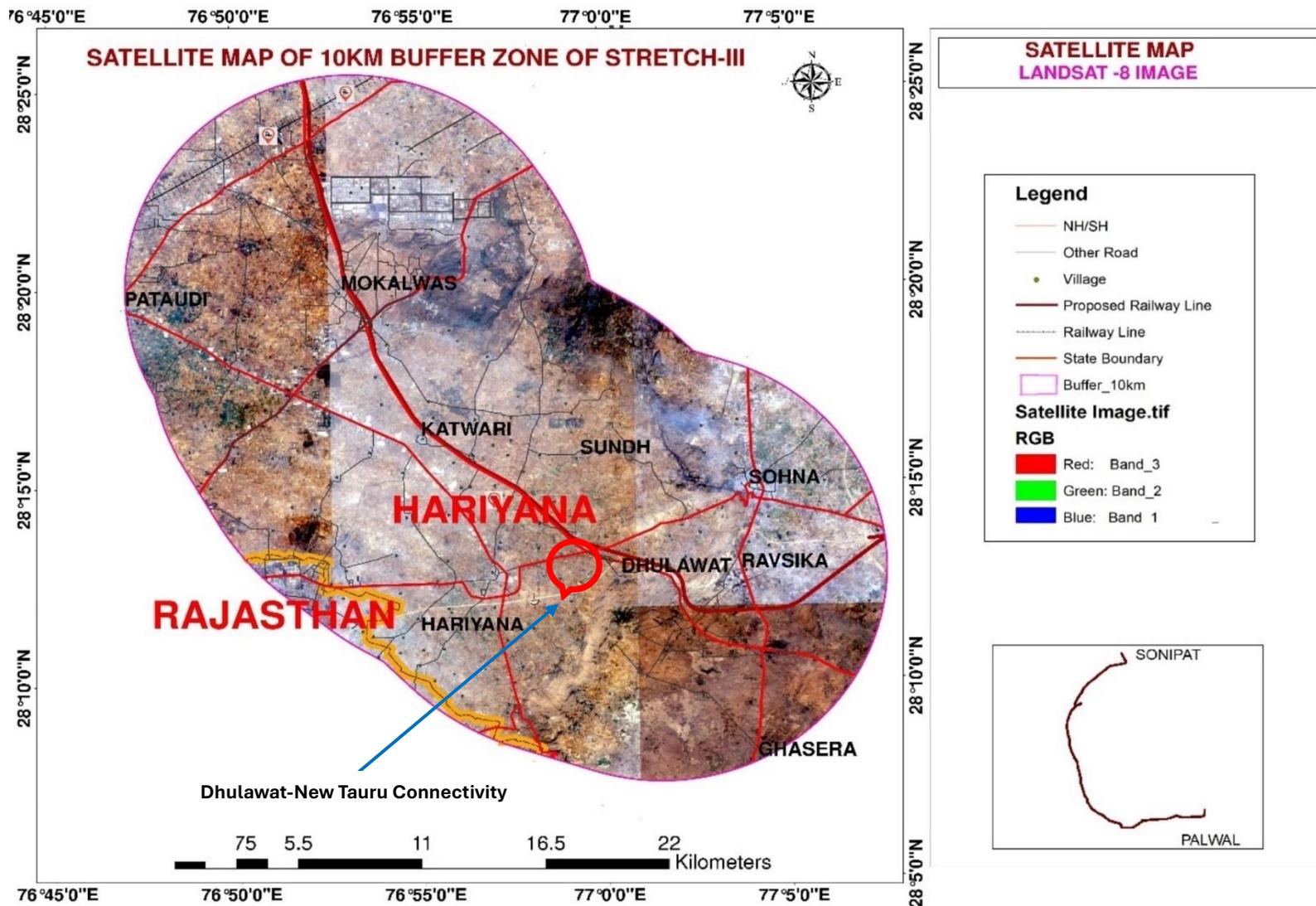
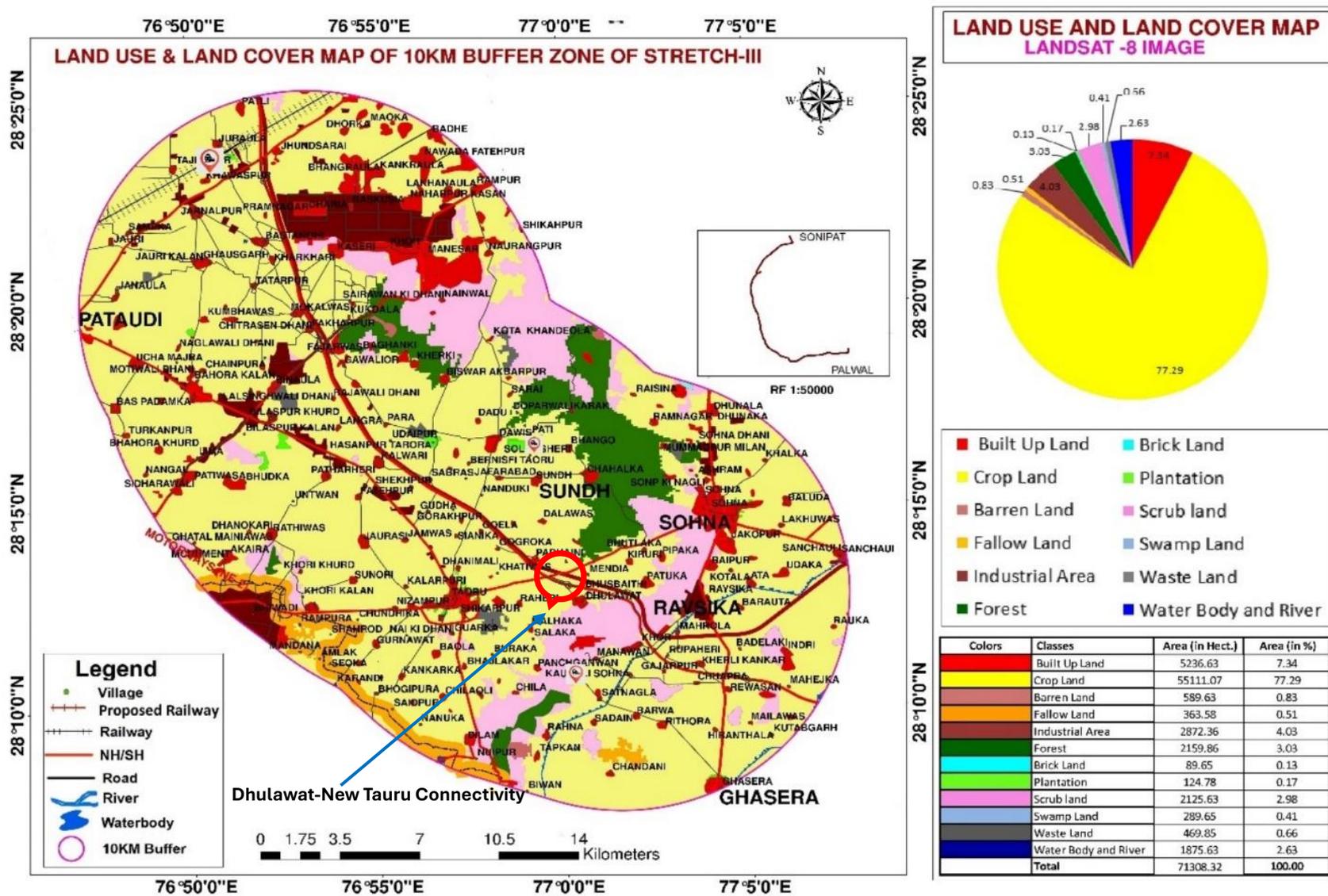


Figure 3.4: Land use and Landcover Map of 10 Km on Either Side of Alignment



3.3 Sensitive Receptor Along the Proposed Alignment

Sensitive Receptor means any location where routine or normal activities occurs at reasonably expected times would experience adverse effects from different construction or developmental including one or a combination of: residences or facilities where people sleep (e.g., single and multi-unit dwellings, nursing homes, hospitals etc.), institutional facilities (e.g., schools, churches, community centres, day care centres, recreational centres, etc.), outdoor recreational areas (e.g. play grounds, picnic areas). The details of the sensitive receptors nearby to proposed connectivity are given in **Table 3.2** and **Figure 3.5**.

Table 3.2: Sensitive Receptors Within 500 m from RoW

S. No.	Sensitive Receptors	Arial Distance from RoW (m)	Side of Alignment
1.	Primary Health Centre at Ch: 325 m (Padheni)	170	Right
2.	Mosque at Ch: 3070 m (Village Kharkhari)	280	Left
3.	Mosque at Ch: 3100 m (Village Kharkhari)	260	Left
4.	Residential structure at Ch: 3000 m (Village Kharkhari)	40	Left
5.	Residential structure at Ch: 3700 m (Village Kharkhari)	20	Left
6.	Village Kharkhari boundary (Ch: 2900 m)	170	Left
7.	Village Raheri boundary (Ch: 3200 m – Ch: 3300 m)	540	Right
8.	Village Malhaka boundary (Ch: 4000 m – Ch: 4100 m)	97	Left

In addition to above sensitive receptors, there is an cremation ground on left side of the alignment just adjacent to RoW between Ch: 1400 m and Ch:1500 m.

3.4 Water Environment

Water environment consists of water resources and its quality. Its study is important from the point of view to assess the impact of the project on the water environment. There is no surface water body in the vicinity of the proposed connectivity. To assess the baseline water quality status of the study area, 2 ground water samples from tube wells were collected in the project area in the month of August 2024. The location and photographs of water sampling sites are given in **Figure 3.6** and **Figure 3.7**.

3.4.1 Water Sampling locations and Results

Description of ground water quality monitoring locations are given in **Table 3.3** and results are given in **Table 3.4**. The detailed lab reports are given in **Annexure 3.1**.

Table 3.3: Groundwater Sampling Locations

S.No.	Location	Distance from RoW (m)	latitude	Longitude
1.	Village Kharkhari	147	28° 12' 49.7844" N	76° 59' 15.7632" E
2.	Village Kharkhari Near DFC Alignment	98	28° 12' 16.2144" N	76° 59' 13.5816" E

Figure 3.5: Sensitive Receptors from RoW



Figure 3.6: Ground Water Sampling Locations

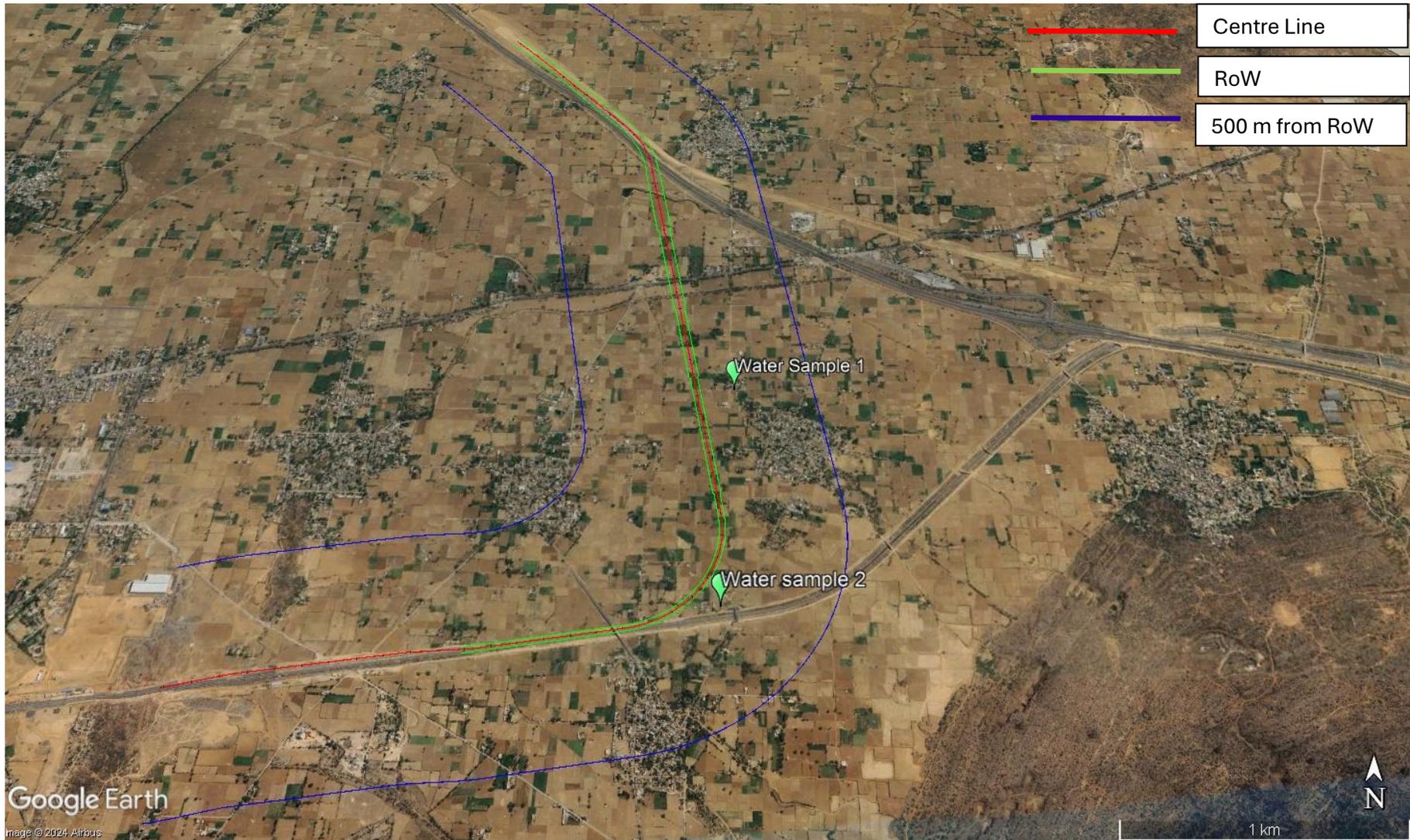


Figure 3.7: Ground Water Sampling Photographs



Table 3.4: Ground Water Testing Results

S. No.	Parameter	Unit (SI)	Drinking Water Specification (As per IS: 10500:2012)		Village Kharkhari	Village Kharkhari (Near DFC Alignment)
			Desirable Limits	Permission Limits in the absence of alternate source		
1.	pH	-	6.5-8.5	No relaxation	7.36	7.11
2.	Electrical Conductivity	uS/cm	--	--	855	1242
3.	Turbidity	NTU	1	5	<1	<1
4.	Colour	Hazen	5		<5	<5
5.	COD	mg/l	--	--	ND	ND
6.	Total Dissolved Solids	mg/l	500	2000	483	742
7.	Dissolved Oxygen (D.O)	mg/l	--	--	6.1	5.8
8.	Alkalinity	mg/l	200	600	349.5	308.4
9.	Chloride	mg/l	250	1000	45.2	185.89
10.	Sulphate	mg/l	200	400	32.4	48.6
11.	Fluoride	mg/l	1.0	1.5	0.49	0.26
12.	Sodium	mg/l	--	--	16.2	20.4
13.	Potassium	mg/l	--	--	6.3	7.2
14.	Total Hardness	mg/l	200	600	290.5	489.1
15.	Calcium as Ca	mg/l	75	200	77.72	15.23
16.	Magnesium as Mg	mg/l	30	100	23.56	30.73

S. No.	Parameter	Unit (SI)	Drinking Water Specification (As per IS: 10500:2012)		Village Kharkhari	Village Kharkhari (Near DFC Alignment)
			Desirable Limits	Permission Limits in the absence of alternate source		
17	Ammoniacal Nitrogen	mg/l	0.5	No relaxation	BDL	BDL
18	Nitrate	mg/l	45	No relaxation	6.3	16.8
19	Phosphate	mg/l	--	--	0.34	0.38
20	Cadmium	mg/l	0.003	No relaxation	BDL	BDL
21	Copper	mg/l	0.05	1.5	BDL	BDL
22	Iron	mg/l	0.3	No relaxation	0.38	0.21
23	Lead	mg/l	0.01	No relaxation	BDL	BDL
24	Manganese	mg/l	0.1	0.3	BDL	BDL
25	Zinc	mg/l	5	15	BDL	BDL
26	Total coliform	MPN/100 ml	-	Should not be detectable in 100 ml	Absent	Absent

3.4.2 Interpretation of Water Testing Results

The analysis results indicates that Total hardness, Calcium, Iron at village Kharkhari, TDS, Total Hardness and Magnesium of water sample at village Kharkhari near DFCCIL alignment are more than desirable limits but within the permissible limits in the absence of alternate source. Iron at village Kharkhari is more than the permissible limit in the absence of alternate source.

3.5 Soil Analysis

The study of the soil quality establishes the baseline characteristics and identifies the incremental concentrations if any due to project. The soil characteristic include both physical and chemical details. The soil survey was carried out in the month of August 2024 to assess the soil characteristics of the area.

3.5.1 Soil Sampling locations and Results

For the present study, 2 soil samples were collected along the connectivity alignment. The sampling locations are given in **Table 3.5 and Figure 3.8**. The photographs of soil collection from the sampling sites are given in **Figure 3.9**. The detailed lab reports are given in **Annexure 3.2**

Table 3.5: Soil Sampling Locations

S.No.	Location	Distance from RoW (m)	latitude	Longitude
1.	Village Kharkhari	75	28° 12' 50.0256" N	28° 12' 50.0256" N
2.	Village Kharkhari Near DFC Alignment	115	28° 12' 16.2144" N	76° 59' 14.2656" E

Figure 3.8: Soil Sample Locations

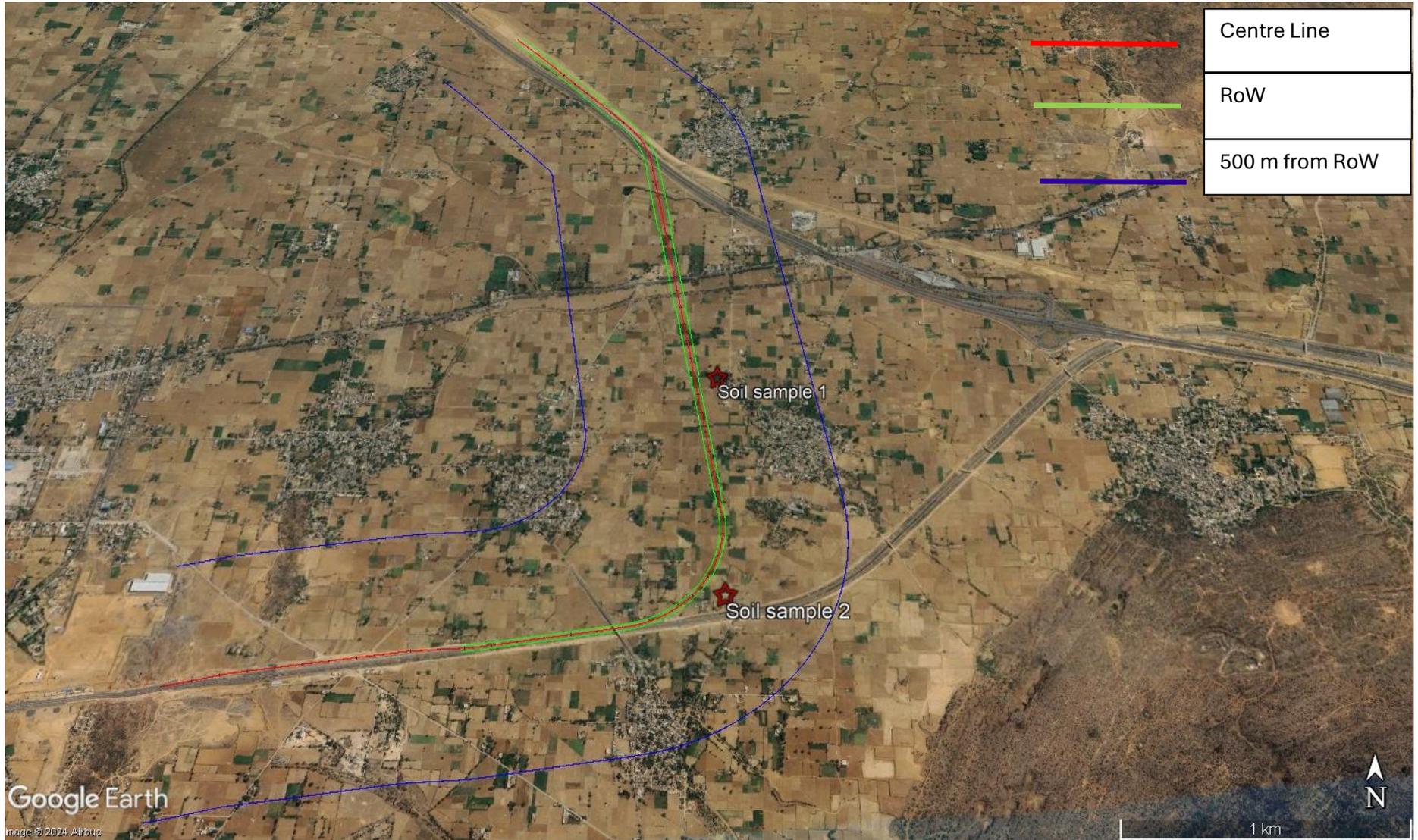


Figure 3.9: Soil Sample Collection Photographs



Table 3.6: Soil Sampling Results

S. No.	Parameter	Unit	Village Kharkhari	Village Kharkhari Near DFC Alignment
1	pH		7.51	7.56
2	Conductivity	uS/cm	0.34	0.31
3	Moisture content	%	6	5
4	Water Holding Capacity	%	19.2	18.7
5	Specific Gravity	gm/cc	2.52	2.56
6	Bulk density	gm/cc	1.35	1.41
7	Available sodium	mg/100g	28.8	28.5
8	Available potassium	mg/100g	48.1	48.6
9	Available calcium	mg/kg	31.1	31.8
10	Available Magnesium	mg/kg	9.12	9.16
11	Nitrate Nitrogen	mg/kg	21.4	20.3
12	Total Phosphate	mg/kg	35.4	35.8
13	Cadmium	mg/kg	0.32	0.34
14	Copper	mg/kg	0.51	0.53
15	Lead	mg/kg	0.45	0.41
16	Manganese	mg/kg	ND	ND
17	Zinc	mg/kg	2.8	3.1
18	Iron	mg/kg	3.0	3.2
19	Boron	mg/kg	ND	ND
20	CEC(Cation exchange Capacity)	meq/100gm	12.4	16.7
21	Organic Carbone	%	0.47	0.52

S. No.	Parameter	Unit	Village Kharkhari	Village Kharkhari Near DFC Alignment
22	Available Nitrogen	mg/kg	88.3	96.4
23	Available phosphorus	mg/kg	30.8	31.6
24	ESP(Exchangeable Sodium Percentage)	%	5.2	4.9
25	Texture	-	Sandy loam	Sandy loam

3.5.2 Interpretation of Soil Testing Results

Samples results indicate that the pH values ranged between 7.51 to 7.56 which showed that the soils are slightly alkaline in nature. Organic carbon is medium to average. Available Potassium values ranged from 48.1 to 48.6 mg/100g & Total Phosphate varied from 35.4 to 35.8 mg/kg. Available Nitrogen varies from 88.3 to 96.4 mg/kg.

3.6 Ambient Air Quality

The prime objective of baseline air quality monitoring is to assess the air quality of the area. Furthermore, it would also be useful in assessing the conformity to standards of the ambient air quality and in identifying the incremental concentrations if any due to project. For the present study, ambient air quality monitoring was carried out at 2 locations in the month of August 2024. The 24-hour continuous sampling was carried out for PM₁₀, PM_{2.5}, SO₂, NO_x, & CO .

3.6.1 Air Quality Sampling locations and Results

The monitoring locations are given in **Table 3.7** and **Figure 3.10**. The photographs of air monitoring are given in **Figure 3.11**. Five major air pollutants viz. particulate matter (PM₁₀ & PM_{2.5}), Sulphur Dioxide (SO₂), Nitrogen Dioxide (NO_x) and CO representing the air quality were monitored. The results are given in **Table 3.8**. The detailed lab reports are given in **Annexure 3.3**.

Table 3.7: Air Quality Monitoring Locations

S.No.	Location	Distance from RoW (m)	latitude	Longitude
1.	Village Kharkhari	255	28° 12' 38.772" N	76° 59' 21.8796" E
2.	Village Kharkhari Near DFC Alignment	68	28° 12' 15.6708" N	76° 59' 11.6628" E

Figure 3.10: Air and Noise Monitoring Locations

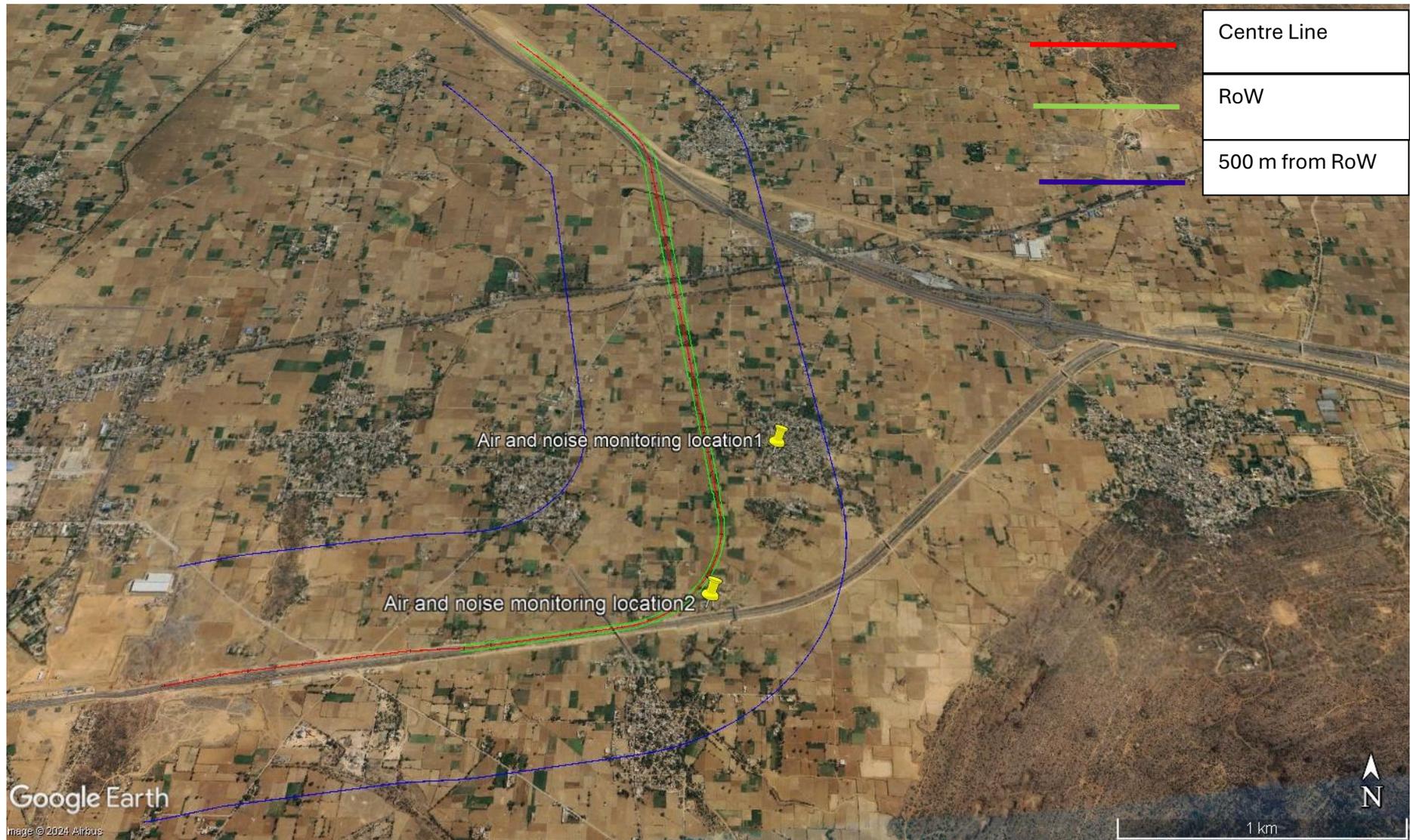


Figure 3.11: Air Monitoring Photographs



Table 3.8: Air Quality Monitoring Results

S. No.	Location	Parameter and Results ($\mu\text{g}/\text{m}^3$)				
		PM ₁₀	PM _{2.5}	NO _x	SO ₂	CO
Limits as Per CPCB Guidelines		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	04/ hr
Limits as Per IFC Guidelines		100 (24 hrs)	50 (24 hrs)	200 (1 hour)	50 (24 hrs)	-
1.	Village Kharkhari	86.4	48.2	24.4	11.8	0.48
2.	Village Kharkhari near DFC Alignment	91.9	50.4	32.8	14.3	0.63

3.6.2 Interpretation of Air Quality Monitoring Results

The concentration levels of all the parameters monitored for air quality are found to be within Ambient Air Quality Standards (AAQS) specified by CPCB and IFC at both the locations.

3.7 Ambient Noise Quality

Noise level survey was conducted at 2 locations in vicinity of Right of Way with an objective to establish the baseline noise levels and assess the impacts of the noise expected due to the proposed development. Noise levels were recorded on hourly basis for 24 hours continuously for one day in order to have an assessment of the Day and Night time noise levels.

3.7.1 Noise Quality Sampling locations and Results

The noise quality monitoring locations are given in **Table 3.9** and **Figure 3.10**. The photographs of air monitoring are given in **Figure 3.12**. The results are shown in **Table 3.10**. The detailed lab reports are given in **Annexure 3.4**.

Table 3.9: Noise Quality Monitoring Locations

S.No.	Location	Distance from RoW (m)	latitude	Longitude
1.	Village Kharkhari	255	28° 12' 38.772" N	76° 59' 21.8796" E
2.	Village Kharkhari near DFC Alignment	68	28° 12' 15.6708" N	76° 59' 11.6628" E

Figure 3.12: Noise Quality Monitoring Photographs



Table 3.10: Noise Quality Monitoring Results dB(A)

S.No.	Parameter	Day Time dB(A)	Nighttime dB(A)	Day Time dB(A)	Nighttime dB(A)
		Village Kharkhari		Village Kharkhari near DFC Alignment	
CPCB/IFC Limit		55	45	55	45
1.	Lmax	62.4	50.4	64.2	51.8
2.	Lmin	38.9	34.2	40.7	37.1
3.	L10	59.6	49.8	61.7	52.3
4.	L50	50.7	42.3	52.5	44.5
5.	L90	44.0	36.8	45.6	38.7
6.	Leq	50.65	42.30	52.45	44.45

Day time: 6:00AM to 10:00 AM

Night time: 10:00 PM to 6:00 AM

3.7.2 Interpretation of Noise Quality Monitoring Results

It is observed that monitored noise values are within permissible limits of CPCB and IFC for residential areas.

3.8 Vibration Monitoring

3.8.1 Vibration Monitoring location and Results

Vibration Monitoring was conducted at one location near the DFC alignment with an objective to establish the baseline vibration levels and assess the impacts of the vibration expected due to the proposed development. Vibration levels were recorded on hourly basis for 3 hours continuously. The monitoring location is given in **Table 3.11** and **Figure 3.13**. The detailed lab reports are given in **Annexure 3.5**.

Table 3.11: Vibration Monitoring Location

S.No.	Location	Distance from RoW (m)	latitude	Longitude
1.	Near DFC Alignment	80	28° 12' 18.0756" N	76° 59' 14.2692" E

Figure 3.13: Vibration Monitoring Location

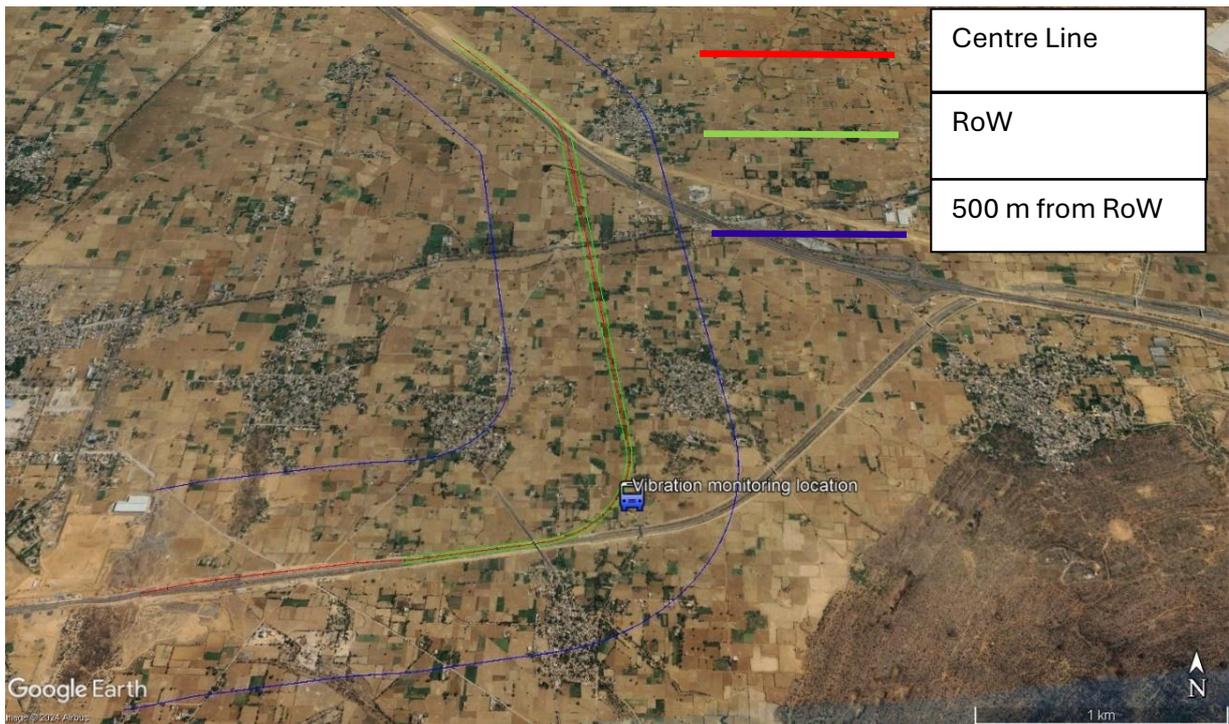


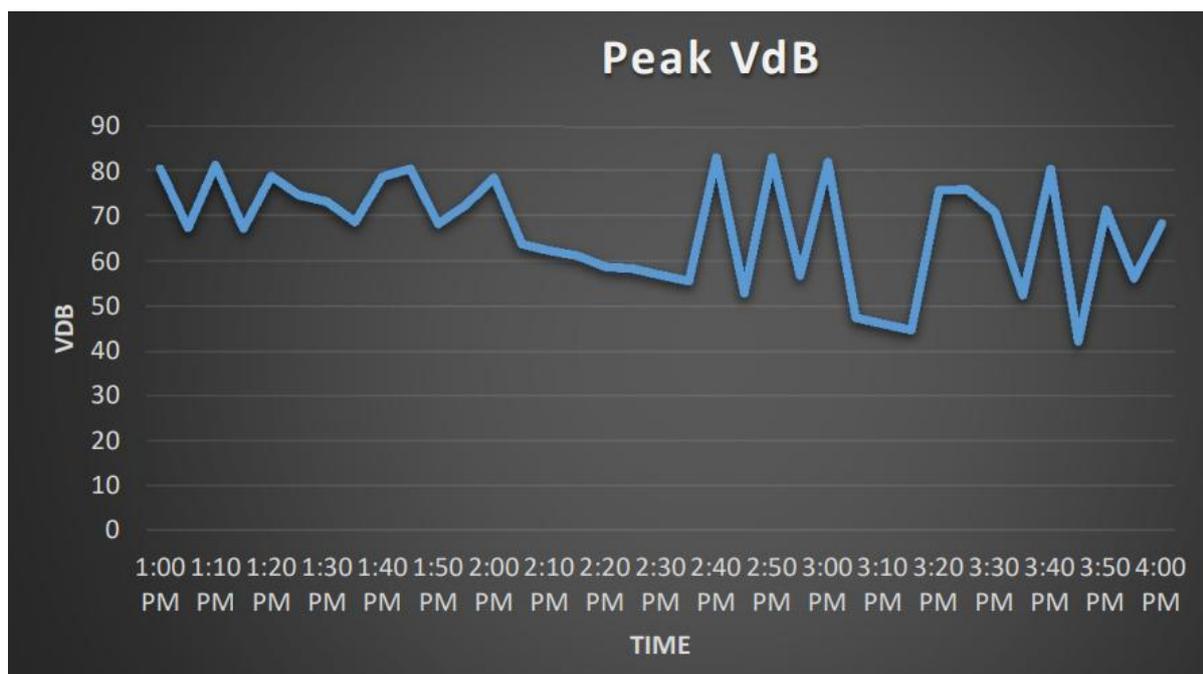
Figure 3.14: Vibration Monitoring Photograph



Table 3.12: Vibration Monitoring Results

S.No.	Location	VdB (Max.)	VdB (Min.)	VdB (Avg.)
1	Raheri(200 Mtr. From DFC Rail Track)	82.8	42.3	66.9

Figure 3.15: Vibration Monitoring Graph



3.8.2 Interpretation of Vibration Monitoring Results

It is observed that the monitored average vibration values is 66.9 VdB.

3.9 Ecological Environment

About 147 trees are there in the connectivity alignment which needs to be cut. At two locations i.e. i) Palwal Sohna Rewari Road and ii) Kharkhari bundh (an embankment used especially in India to control the flow of water), the alignment crosses protected forest in the form of linear strip of plantation. The above trees are inclusive of trees in protected area.

3.10 Socio-economic Profile of Affected Households

The data collected through the socio-economic survey generated demographic and socio-economic profile of project-affected households. The data has been compiled and presented in tabular forms.

3.10.1 Demography

A total of 1659 persons will be affected by the proposed Dhulawat connectivity of the HORC project. The Males are 1020, females are 639. The demography data is presented in **Table 3.13**.

Table 3.13: Demography of Project Affected Persons

S.No	Age Group	Male	Female	No. of PAPs	Share to total PAPs (%)
1	0-14	161	121	282	17.0
2	15-18	87	45	132	8.0
3	19-35	344	253	597	36.0
4	36-59	302	145	447	27.0
5	60 & above	126	75	201	12.0
	Total	1020	639	1659	100

3.10.2 Religious and Social Stratification

The majority of the affected households are Muslim (79%) and 21% of the households are Hindu. Other religious category was not found in the Dhulawat connectivity of the HORC project. Data on religious status is given in **Table 3.14**.

In social stratification, 91.7% of affected families are of OBC, followed by Scheduled Cast (4.6%). General Caste households account for 3.6%.

Table 3.14: Religious Status of PAHs

S.No	Religion of PAHs	No of PAHs	Share to total PAHs (%)
1	Hindu	77	21.0
2	Muslim	290	79.0
	Total	367	100

3.10.3 Marital status of PAPs

Table 3.15 shows the marital status of the PAPs. Married PAPs are 969 (58.4%) and whereas unmarried are 518 (31.2%). 46 PAPs (2.8%) are Widow/Widower. 126 (7.6%) PAPs did not give their response to their marital status.

Table 3.15: Marital Status of PAPs

S.No	Marital Status of PAPs	No of PAPs	Share to total PAPs (%)
1	Unmarried	518	31.2
2	Married	969	58.4
3	Divorced	-	-
4	Widow/Widower	46	2.8
5	No Response	126	7.6
	Total	1659	100

3.10.4 Educational Profile

The Educational profiles have been considered for 1527 PAPs, who have more than 6 years of age. The majority of the population (23.4%) is illiterate which include children not going to school. 19% of PAPs are just literate and 16% of the PAPs have completed up to class IV. About 4% have done higher secondary and 2.1% of them graduate. 23% of PAPs did not respond to the enquiry.

Table 3.16: Educational Status of PAP (More than 6 yrs. age)

S.No	Education	Male	Female	No. of PAPs	Share to total PAPs (%)
1	Illiterate	123	235	358	23.4
2	Literate	118	171	289	19.0
3	Primary (up to Class IV)	157	86	243	16.0
4	Middle (Class V-VIII)	90	33	123	8.0
5	Secondary (Class IX-X)	52	17	69	4.5
6	High Secondary (Class XI-XII)	41	18	59	3.9
7	Graduation	29	3	32	2.1
	No Response	207	147	354	23.1
	Total	817	710	1527	100

3.10.5 Occupational Profile

The economic condition of a household depends on its members' occupational patterns, employment, and number of earners in the household. Occupation of the head of a project affected household influences that of its other members. The occupational profiles are considered for PAPs within the working age group (18 – 60 years of age). The main occupations of the PAPs have been collected and it has been revealed that 440 numbers of PAPs (36.2%) are engaged in Agriculture. 373 PAPs (30.7%) are housewives. 11.7% are unemployed but capable of working. About 120 (11.7%) of PAPs did not respond. The occupation profile of the PAPs is presented in **Table 3.17**.

Table 3.17: Occupational Profile of PAPs (Age group 18 – 60 yrs.)

S.No	Occupation	No. of PAPs	Share to total PAPs (%)
1	Service	2	0.2
2	Business	6	0.5
3	Agriculture	440	36.2
4	Housewife	373	30.7
5	Student	126	10.4
6	Labour	7	0.6
7	Unemployed but capable to work	142	11.7
8	Not Response	120	9.9
	Total	1216	100

3.10.6 Household Income & Expenditure

The findings of the survey revealed that the monthly income between Rs.10,001 to 20,000 is the highest (81.6%) followed by households in the level between Rs. 50,001 – Rs. 10,000 (8.62%). Only 2.3% of total PAHs earn monthly between Rs.30,001 to 40,000/-. The average income of a household is Rs. 14267/-. The income profile of the PAHs is presented in **Table 3.18**.

Table 3.18: Monthly Income of the Project Affected Households

S.No	Monthly Household Income	Number	Share to total (%)
1	Rs.<5000	10	5.74
2	Rs.5001-10,000	15	8.62
3	Rs.10,001-20,000	142	81.60
4	Rs.20,001-30,000	3	1.72
5	Rs.30,001-40,000	4	2.30
6	Rs.40,001-50,000	0	0
7	Rs.>50,000	0	0
	Total	174	100
	Average Monthly Income(Rs.)	14267/-	

A household's expenditure on different items is constrained by its income and the collection of expenditure data is equally important as income for the assessment of the household's standard of living. Income data were felt to be an underestimate as the respondents apprehended this might affect their BPL status. Thus, the previous year's average monthly expenditure pattern on food and non-food items were analysed to establish a co-relation between income and expenditure. **Table 3.19** shows the monthly average expenditure pattern of the affected households.

Table 3.19: Monthly Average Expenditure of the PAHs

S.No	Annual Household Expenditure	Number
1	Food	5,600
2	Cooking Fuel	976
3	Water Bill	278
4	Electricity Bill	546
5	Rent	2099
6	Travel	583
7	Education	3666
8	Health	1578
9	Clothing	1425
10	Loan Repayment	853
11	Agriculture expenditure(seeds, fertilizer ,labour, etc)	2600
12	Others	1050

Chapter:4 Potential Environmental and Social Impacts

4.1 Background

This chapter discusses the identification and appraisal of various environmental and social impacts due to the proposed connectivity. The development, construction and functional phase of the project comprise various activities, each of which may have some impact on environmental parameters and socio-economic condition of the people. Various impacts during the development, construction and operation phase on the environmental parameters have been studied. The negative impacts due to proposed project activities have been identified based on project description (**Chapter 2**) and baseline environment (**Chapter 3**).

The list of activities during the preconstruction, construction and operation phase have been identified and detailed description is given in this chapter.

4.2 Environmental Impacts During Pre-Construction Stage

- Change of Land use:
- Clearing the Ground for Construction Activity;
- Utility/Drainage Problems;

4.2.1 Change of Land Use

The factors which are decided at stages of design are the project location, alignment, right of way at-grade or otherwise and proposed utilities. By virtue of its location, the alignment passes through agricultural fields and does not pass through any ecologically sensitive area. The total land required for the project development is from 9 villages and will be about **16.5877** ha. The details of land requirement are given in **Table 4.1**.

Table 4.1: Land Requirement

S.No.	Village	Total Area (ha)	Private (ha)	Gram Panchayat (ha)	Govt. of India (ha)	Haryana Govt (ha)
1	Padheni	2.9896	2.6305	0.3591		
2	Shikarpur	0.9561	0.9207	0.0354		
3	Karanki	7.2616	6.8114	0.1998		0.2504
4	Dalaka	0.301	0.301			
5	Malhaka	1.2091	1.0979	0.1112		
6	Raheri	2.4715	2.2818	0.1543	0.0354	
7	Tauru	0.4477	0.4477			
8	Buraa	0.2682	0.038	0.2302		
9	Sehsola	0.6829	0.0531	0.6298		
Total		16.5877	14.5821	1.7198	0.0354	0.2504

4.2.2 Clearing the Ground for Construction Activity

Before construction, site is required to be cleared. It involves the removal of trees, grasses, shrubs. Details of the trees to be felled are given in **Table 4.1**.

Table 4.2: Tree to be Felled

S.No	From Chainage	To Chainage	No. of trees
1	0	390	2
2	400	500	7
3	500	600	9
4	600	700	5
5	700	800	8
6	800	900	14
7	900	1000	5
8	1000	1200	10
9	1200	1300	4
10	1300	1400	3
11	1400	1500	4
12	1600	1700	4
13	1700	1800	7
14	1800	1900	6
15	2000	2100	12
16	2100	2200	5
17	2200	2500	15
18	2500	2600	3
19	2600	2800	2
20	2900	3000	2
21	3000	3100	2
22	3100	3200	2
23	3200	3300	9
24	3300	3400	1
25	3500	3600	2
26	3700	3800	2
27	3800	3900	2
Total			147

At two locations i.e. i) Palwal Sohna Rewari Road and ii) Kharkhari bundh, protected forest in the form of linear strip of plantation is going to be affected by the connectivity. The above trees are inclusive of trees in protected area.

4.2.3 Utility/Drainage Problems

Majority of alignment (2.6 km) of the proposed connectivity is planned in the agriculture field and rest is parallel to KMP expressway (1.1.Km) and DFCCIL alignment. Some sub-surface, surface and overhead utility services like sewers, water mains, storm water drains, gas pipe lines, telephone/communication cables, overhead power transmission lines, power cables etc. may come along the proposed alignment. These utilities/services are essential and must be maintained in working order during different stages of construction by temporary/permanent diversions or by supporting in position. Also, suitable spanning arrangement needs to be adopted to avoid locating foundation at utility location. It is essential to ensure that no existing utilities in the vicinity of the sites are affected by any of the project activities.

4.3 Environmental Impacts During Construction Stage

Following impacts are anticipated due to construction of the Dhulawat – New Tauru Connectivity

- Establishment of labour camps;
- Setting up Ready - Mix concrete batching plant;
- Soil erosion;
- Collection and transportation of construction material;
- Impact due to Construction of new bridges and culverts;
- Contamination of soil;
- Impact on water quality
- Storage, handling and disposal of solid, hazardous and C& D waste
- Occupational health and safety and Community Health and Safety
- Impact due to climate change;
- Traffic Diversions;
- Air Pollution;
- Noise Pollution

4.3.1 Establishment of Labour Camps

Construction workers are more prone to infectious diseases due to lack of sanitation facilities like non potable water supply, improper wastewater disposal, improper drainage and improper human waste disposal, insect vectors and unsafe sexual activity. Improper disposal of municipal solid waste generated by labour camps can pollute surface water bodies and groundwater. Burning of waste can cause air pollution. Problems could arise due to cultural differences between workers from outside and residents.

4.3.2 Setting up the Ready-Mix Concrete Batching Plant

A batching plant for Ready Mix Concrete (RMC) will be set up at the construction site considering the requirements of the project. The major source of pollution in a RMC plant is 'fugitive dust emission'. The dust particles deposits on plants, leaves, stomata affecting the plant fertility. The dust particles when deposited on water sources, affect the quality of water. Further when the RMC plant is located near to the work site, the dust gets deposited on the nearby buildings, residences etc. The dust emissions affect the materials, human health and vegetation to a major extend. Also, the dust emissions affect the pedestrian, road users, vehicle etc. The excess water used in the process and water used for cleaning of trucks, machine, platform generates wastewater. The wastewater contains high Total Suspended Solids (TSS) and when the wastewater is allowed for stagnation in the nearby area, the water get evaporated and a layer of sludge deposits on the ground which is a cause of ground water contamination. Further, the dust deposition prevents the rainwater percolation into the ground. Noise pollution is not a major type of pollutant in RMC plant. The main source of noise pollution is vehicular traffic in the RMC plant. Furthermore, the excess concrete and concrete not meeting the specification are disposed as solid waste.

4.3.3 Soil Erosion

The potential for soil erosion is high and pervasive during the construction stage. Starting with clearing and grubbing of trees, vegetation is stripped away, exposing raw soil. The construction of new fill slopes also exposes large areas to erosion, if protection methods are not implemented. Although soil erosion occurs sporadically on railway corridors, the sites most affected are generally bridge end fills and over-steep banks. Erosion problems may occur on newly constructed slopes and fills depending on soil type, angle of slope, height of slope and climatic factors like wind (direction, speed and frequency) and rain (intensity and duration).

4.3.4 Collection and Transportation of Construction Material

Various construction material such as soil, aggregates, sand, cement etc. will be required by the contractor. Improper transportation of the soil, sand and aggregate will cause air pollution. Also, the movement of truck for transportation of above materials will cause noise pollution. Transportation of soil without covering the trucks will also lead to spillage of soil on the roads, which may cause accidents and air pollution due to thrust of the moving vehicles. The excavation of earth from borrow areas will require cutting of the soil, which could lead to:

- Loss of productive soil/ land;
- Disruption in the drainage pattern;
- Ponding / water logging problem and;
- Increase in siltation rates.

4.3.5 Impact due to Construction of new bridges and culverts

Few major and minor bridges and culverts are planned for the connectivity. Construction of new bridges involves excavation for the construction of the foundation and piers. If the residual soil is not properly disposed of, increased sedimentation downstream of the bridge may take place during the monsoon.

During the construction period some amount of drainage alteration and downstream erosion/siltation is anticipated. Some of these alterations may be because of construction of temporary traffic detours/diversion. Except for these temporary works, in almost all cases there should be an improvement in the drainage characteristics of the surrounding area due to improved design and added culvert/ditch capacity. New culverts are being incorporated in the connectivity not only to prevent over-topping but also to maintain equal water distribution on either side of the railway tracks. In fact, the bridges and culverts, as designed, are an automatic enhancement to the local environment (flooding, stagnation, scour, torrent run-off velocity– all would be reduced as a result of this connectivity).

4.3.6 Contamination of Soil

In this project, contamination of the soil may take place from construction zones, labour camps, batching plant sites and other auxiliary facilities required for the construction. Details of the activities from which the contamination can occur are presented below:

- Debris generation due to dismantling of structures;
- Maintenance of the machinery and operation of the diesel generator sets on site;
- Oil Spill from the operation of the diesel pumps and diesel storage, during transportation and transfer; parking places, and diesel generator sets;
- Operation of the residential facilities for the labour;
- Storage and stock yards.

4.3.7 Impact on Water Quality

There is no river crossing or major water body or canal nearby the proposed connectivity. Hence no impact of water quality is anticipated due to Dhulawat – New Tauru Connectivity.

4.3.8 Storage, Handling and Disposal of Solid, Hazardous and C&D Waste

Improper disposal of municipal solid waste generated by labour camps can pollute surface water bodies and groundwater. Uncontrolled C&D waste disposal can result in air and water pollution, diversion of green area and temporary displacement. During Construction, Hazardous waste would

mainly arise from the maintenance of equipment which may include used engine oils, hydraulic fluids, waste fuel, spent mineral oil/cleaning fluids from mechanical machinery, scrap batteries or spent acid/alkali, spent solvents, oil filters etc. Unsafe disposal can result in water and soil pollution.

4.3.9 Occupational health and safety and Community Health and Safety

Occupational health and safety Impacts:

During construction, workplace should be free from hazards which cause or are likely to cause injury or occupational disease to the employees. Construction industry, often termed as ‘high-risk’, has a significant impact on the health and safety of the workers. Following occupational and safety impacts are anticipated:

- **Noise:** Loud, repetitive noise can cause hearing problems and distract workers, leading to accidents.
- **Dust:** Dust generated due to handling of excavated soil, cement and unpaved surface may cause breathing problems.
- **Slips and trips:** Construction sites can have uneven surfaces, obstacles, wet areas, and changes in level, which can lead to serious injuries.
- **Moving objects:** Construction sites are constantly changing, with heavy machinery, delivery vehicles, and overhead equipment moving around.
- **Electrocution:** Construction workers can be exposed to electricity.
- **Falls from heights:** Construction workers can fall from heights.
- **Being struck by objects:** Construction workers can be struck by objects.
- **Fatigue** – Whether it’s the night shift, long hours or just a lack of sleep, fatigue on a construction site often results in accidents.
- **Human error** – We’re all human and mistakes can happen, but when they cost lives and are preventable, it’s time to look at equipment and best practices.

Community health and Safety Impacts:

Following community health and safety impacts are anticipated due to construction:

- Health and safety risks posed by the influx of workers as a result of the project.
- Vehicles or fleets of vehicles for project purposes may lead to traffic problems and accidents
- Gender-Based Violence (GBV) or Sexual Exploitation and Abuse (SEA) of children, or communicable diseases, which may arise from the interaction of project workers with local communities.

4.3.10 Impact Due to Climate Change

The climate risk screening for the HORC project is carried out with the help of Aware™ geographic data set, compiled from the latest scientific information on current geological, climate and related hazards together with projected changes for the future where available. These data are combined with the project’s sensitivities to hazard variables, returning information on the current and potential future risks that could influence its design and planning. Resultant Climate Risk Classification for the project is Medium Risk.

Long term climate change risks that could impact project are flooding from extreme rainfall events, particularly during monsoon periods, and increases in annual average temperature in the project area that could increase the risk of extreme hot days. Heat waves and flooding appear as priority threats.

Adaptation may involve additional investments on design and materials, use/installation of new technologies, and improved operation and maintenance.

4.3.11 Traffic Diversions

The connecting line is crossing i) Palwal Sohna Rewari Road and ii) internal road connecting villages Raheri and Kharkhari. During construction period, complete/partial traffic diversions on these road will be required when the construction activities are on these roads.

4.3.12 Air Pollution

Air pollution from construction is a real challenge due to the various sources and emanation of different pollutants. In this respect, particulate matter is one of the most harmful emissions. During the construction, air quality may deteriorate in three main ways:

- **Dust nuisance.** The movement of machinery, demolition operations and the loading and unloading of materials will release suspended particles (PM₁₀, PM_{2.5}) that can cause health risks when inhaled, especially among the most vulnerable groups of people.
- **Atmospheric emissions from machinery.** Construction machinery on construction site will generate dust and gases such as NO_x or CO.
- **Transport of construction materials.** The handling of construction materials will also contribute to higher pollution levels, especially in the case of particulate matter.

4.3.13 Noise Pollution

Noise is a contributing factor in degradation of human health. Typical noise from construction equipment's (L_{max}) at 50 feet distance ranges from 74 dB (A) to 98 dB (A), which decreases with increase in distance. The major sources of noise pollution during construction of the Dhulawat – New Tauru connectivity will be movement of concrete mixture truck, dump truck, excavator, roller and use of vibratory concrete mixture during concreting. Noise prediction has been carried out for two typical combination of construction equipment's working simultaneously at site versus the distance of sensitive receptors. The result of the noise prediction is presented in **Table 4.3**.

Table 4.3: Noise Level Prediction During Construction dB(A)

S. No.	Sensitive Receptors	Aerial Distance from RoW (m)	Concrete Mixture Truck + Vibratory concrete Mixture		Dump Truck + Excavator + Roller	
			L _{max}	Leq	L _{max}	Leq
1.	Primary Health Centre at Ch: 325 m (Padheni)	170	59.1	56.1	59.8	58.3
2.	Mosque at Ch: 3070 m (Village Kharkhari)	280	55.0	52.1	55.7	54.3
3.	Mosque at Ch: 3100 m (Village Kharkhari)	260	52.2	49.2	52.9	51.5
4.	Residential structure at Ch: 3000 m (Village Kharkhari)	40	71.6	68.6	72.3	70.9
5.	Residential structure at Ch: 3700 m (Village Kharkhari)	20	77.6	74.7	78.3	76.9
6.	Village Kharkhari boundary (Ch: 2900 m)	170	59.1	56.1	59.8	58.3

S. No.	Sensitive Receptors	Aerial Distance from RoW (m)	Concrete Mixture Truck + Vibratory concrete Mixture		Dump Truck + Excavator + Roller	
			Lmax	Leq	Lmax	Leq
7.	Village Raheri boundary (Ch: 3200 m – Ch: 3300 m)	540	49.0	46.0	49.7	48.3
8.	Village Malhaka boundary (Ch: 4000 m – Ch: 4100 m)	97	63.9	60.9	64.6	63.2

4.4 Environmental Impacts During Operation Stage

Following impacts are anticipated due to operation of the Dhulawat – New Tauru Connectivity.

4.4.1 Vibration from Operation of Train

The vibration of the transit structure excites the adjacent ground, creating vibration waves that propagate through the various soil and rock strata to the foundations of nearby buildings. The vibration propagates from the foundation throughout the remainder of the building structure. The intensity of vibration depends on operational and vehicle parameters, track system, geology and condition of receiving building.

Vibration prediction is done to find out the vibration levels during operation at sensitive locations near the alignment. For vibration prediction, speed of the HORC train is taken as 60 km/hr, speed of DFC train is taken as 90 Km/hr, number of trains per day for Dhullawat Connectivity as 8 and number of train for DFC corridor as 20. Various adjustment factors are applied to the project to arrive at resultant vibration values. Predicted vibration level is presented in the **Table 4.4**.

As per FTA Manual, train operation frequency for Dhulawat connectivity and DFC corridor at New Taru station falls in the “infrequent events”. For Residences and buildings where people normally sleep, the impact criteria for infrequent events w.r.t. to Vibration (GBV) & Ground-Borne Noise (GBN) are 75 Vd(B) and 38 dB(A) respectively. It is observed from the **Table 4.4** and **Table 4.5** that for the operating conditions, Vibration and Ground borne noise will be within permissible limits.

Table 4.4: Predicted Vibration Level Due to the Project without Control Measures

S.No.	Sensitive Receptor	Distance (m) from HORC	Distance (m) from DFC	Predicted Vibration HORC		Predicted Vibration DFC		Cumulative Vibration	
				Vibration (V dB)	GB Noise dB(A)	Vibration (V dB)	GB Noise dB(A)	Vibration (VdB)	GB Noise dB(A)
1	Primary Health Centre at Ch: 325 m (Padheni)	170	3200	41.90	6.90			41.90	7.71
2	Mosque at Ch: 3070 m (Village Kharkhari)	280	570	33.00		17.50		33.12	3.01
3	Mosque at Ch: 3100 m (Village Kharkhari)	260	550	34.40		18.40		34.51	3.01
4	Residential structure at Ch: 3000 m (Village Kharkhari)	40	750	60.30	25.30	10.0		60.30	25.31
5	Residential structure at Ch: 3700 m (Village Kharkhari)	20	60	66.70	31.70	56.50	21.50	67.10	32.10
6	Village Kharkhari boundary (Ch: 2900 m)	170	870	41.90	6.90	5.50		41.90	7.71
7	Village Raheri boundary (Ch: 3200 m – Ch: 3300 m)	540	530	18.40		19.40		21.94	3.01
8	Village Malhaka boundary (Ch: 4000 m – Ch: 4100 m)	97	90	50.10	15.10	51.60	16.60	53.92	18.92

Table 4.5: Indoor Ground-Borne Vibration (GBV) & Ground-Borne Noise (GBN) Impact Criteria for General Vibration Assessment

Land use category	Ground-Borne Vibration Impact Levels (VdB) (VdB ref=1 micro-inch /s)		Ground-Borne Noise Impact Levels (dB(A)) (dB ref 20 µ Pa)	
	Occasional Events	Infrequent Events	Occasional Events	Infrequent Events
Category 1: Buildings where vibration would interfere with interior operations	65	65	N/A	N/A
Category 2: Residences and buildings where people normally sleep	75	80	38	43
Category 3: Institutional land uses with primarily day time use	78	83	43	48

Source: FTA Transit Noise and Vibration Impact Assessment Manual, September 2018

4.4.2 Noise from Operation of Train

During operation phase noise from operation of trains will be a major impact. Rail noise depends on the types of trains, track-type, driving speed and driving mode. Railways are one of the main sources of noise, with a particularly strong negative impact on the environment and on the health of children and adults. Noise caused by trains operation is associated with general feelings of displeasure, discomfort, and annoyance. Noise modelling is carried for prediction of noise levels at various sensitive receptors from HORC and DFC projects. For noise prediction landuse category is taken as residential; speed of the HORC train is taken as 60 km/hr, speed of DFC train is taken as 90 Km/hr, number of trains per day for Dhullawat Connectivity as 8 and number of trains for DFC corridor as 20, track is at grade. The predicted noise levels at sensitive receptors are given in **Table 4.6**. It is seen that increase in Noise levels due to operation of trains will be very less w.r.t baseline noise levels. Night time noise levels will be increased by more than 5 dB(A) on residential structure located at Ch: 3700.

Table 4.6: Noise Level Prediction During Operation dB(A)

S.No.	Sensitive Receptor	Distance from HORC (m)	Distance from DFC (m)	Existing Noise levels		Project Noise (HORC)		Project Noise (DFC)		Cumulative Noise		Increased Noise levels	
				(Leq) day	(Leq) night	(Leq) day	(Leq) night	(Leq) day	(Leq) night	(Leq) day	(Leq) night	(Leq) day	(Leq) night
1	Primary Health Centre at Ch: 325 m (Padheni)	170	3200	51.64	43.51	32.60	32.60	19.30	19.30	51.70	43.86	0.06	0.35
2	Mosque at Ch: 3070 m (Village Kharkhari)	280	570	51.64	43.51	29.50	29.50	30.30	30.30	51.70	43.87	0.06	0.36
3	Mosque at Ch: 3100 m (Village Kharkhari)	260	550	51.64	43.51	29.80	29.80	30.70	30.70	51.70	43.90	0.06	0.39
4	Residential structure at Ch: 3000 m (Village Kharkhari)	40	750	51.64	43.51	42.00	42.00	28.70	28.70	52.11	45.91	0.47	2.40
5	Residential structure at Ch: 3700 m (Village Kharkhari)	20	60	51.64	43.51	46.50	46.50	45.20	45.20	53.50	50.01	1.86	6.50
6	Village Kharkhari boundary (Ch: 2900 m)	170	870	51.64	43.51	32.60	32.60	27.70	27.70	51.71	43.95	0.07	0.44
7	Village Raheri boundary (Ch: 3200 m – Ch: 3300 m)	540	530	51.64	43.51	25.10	25.10	31.00	31.00	51.69	43.81	0.05	0.30
8	Village Malhaka boundary (Ch: 4000 m – Ch: 4100 m)	97	90	51.64	43.51	36.30	36.30	42.50	42.50	52.25	46.48	0.61	2.97

4.5 Cumulative and Induced Impacts

The proposed connectivity will be running parallel to the Western Dedicated Freight Corridor alignment which is already in operation phase. No new protect is foreseen near the proposed connectivity. The cumulative impact due to operation of two railway lines i.e. HORC connecting line and DFCCL can be incremental noise and vibration. Cumulative vibration and noise impact assessments are carried out in section 4.4.1 and 4.4.2 respectively. It is seen that cumulative increase in Noise levels due to operation of trains will be very less w.r.t baseline noise levels. For the operating conditions, cumulative Vibration and Ground borne noise will be within permissible limits. No other cumulative impacts is anticipated due to connectivity.

Following Induced impacts are anticipated in response to the socioeconomic opportunities created by new development

- **Employment:** The project will create employment opportunities during construction and operation.
- **Access to resources:** The project will provide access to areas which were not connected by railway.
- **Population density:** The project will increase population density due to better connectivity
- **Decrease in Air Pollution:** By transitioning polluting road traffic to a low-carbon electrified railway will reduce GHG emissions and local air pollution.
- **Industrial Development:** The project is expected to help spur the development of industrial plants and multi-modal logistics hubs in the NCR region of Haryana

4.6 Potential Social Impacts

In this section, this addendum to ESIA of the HORC project covers the requirement and acquisition of land for Dhulawat connectivity as well as the acquisition of additional land for all five districts.

4.6.1 Impact on Land

Table 4.7 shows the total land requirement for Dhulawat connectivity as per 20A and 20E Notification of Railway Act is 16.5874 ha. Out of the total land, 14.842 ha is private land, and 2.0032 ha is government land. But the award has been declared by the Competent Authority for a total of 15.9045 ha of land in which 14.311 ha is private and the remaining 1.3734 ha is government land.

Table 4.7: Land Acquisition for Dhulawat Connectivity

S.No	Particulars	Pvt. Land	Govt. Land	Total
1	As 20 A Notification (in ha)	14.842	2.0032	16.5874
2	As per 20E Notification (in ha)	14.842	2.0032	16.5874
3	As per Award (in ha)	14.311	1.3734	15.9045

In addition to the above, the project also requires additional land for acquisition for various reasons as listed below:

- (i) Providing land for Prithala SSP in Chandpada village,
- (ii) Avoiding retailing wall along with formation,
- (iii) Providing service road along with HORC alignment
- (iv) Diversion of forest land of Jhajjar and Sonipat District
- (v) Land handed over to C-6 Contractor for plant setup at three locations

- (vi) Land taken for electricity utility i.e., SSP & TSS at three locations namely Badli SSP, Jasour Kheri SSP & Mandothi TSS
- (vii) Missing plots in initial/original land award etc.

District and CALA wise acquisition of additional land is given in **Table 4.8**. Table 4.8 shows that as per 20E Notification, the requirement of the total land is 131.92 ha of which 101.18 ha is private and the remaining 30.73 ha is government land. But an award has been declared for 67.94 ha of land of which 46.87 ha is private land and the remaining 21.07 ha is government land. Declaration of award for Additional-2(Palwal), Additional-1 (Sonipat), Additional-2(Nuh) and Additional-2(Bhadurgarh) is awaited.

The acquisition of 101.18 ha private land belongs to 11230 landowners of which 87.3% (9807) are common landowners and the remaining 12.6% (1423) are new landowners. District and CALA wise number of common and new landowners is given in **Table 4.9**. A list of new landowners is given in **Annexure 4.1**.

Table 4.8: District and CALA wise Acquisition of Additional Land

District	CALA	Additional	The extent of Land Required for the Project (in ha) (As per 20E Notification)				Award Declared for Land Acquisition (in ha)			
			Private	HSIIDC	Other Govt. land	Total	Private	HSIIDC	Other Govt. land	Total
Palwal	SDO/Palwal	Additional- 1	3.16	-	0.29	3.45	3.16		0.29	3.45
		Additional-2	2.20	-	0.38	2.57	Awaited			
Sonipat	DRO/Sonipat	Additional-1	14.98	4.23	0.17	19.38	Awaited			
Nuh	DRO/Nuh	Additional- 1	2.71	-	0.93	3.64	2.71	-	0.93	3.64
		Additional-2	8.07	1.28	0.06	9.41	Awaited			
		Dhulawat connectivity	14.64	-	1.95	16.59	14.53	-	1.00	15.53
Gurugram	SDO/Gurugram	Additional- 1	0.30	9.86	0.23	10.39	0.29	9.86	0.23	10.38
		Additional-2	0.49	0.26	-	0.75	0.49	0.26	-	0.75
	SDO/Pataudi	Additional- 1	5.24	5.82	0.60	11.66	5.24	5.82	0.60	11.66
		Additional-2	0.23	-	0.17	0.40	0.23	-	0.17	0.40
	SDO/Sohna	Additional- 1	0.52	-	1.13	1.65	0.52	-	1.13	1.65
Jhajjar	SDO/Bahadurgarh	Additional- 1	21.02	0.09	0.84	21.96	19.70	0.09	0.69	20.48
		Additional-2	27.62	-	2.44	30.07	Awaited			
Total			101.18	21.54	9.19	131.92	46.87	16.03	5.04	67.94

Table 4.9: CALA wise number of Common and New Landowners due to the acquisition of additional land

S.No	Distt.	CALA	Common Landowners	New Landowners	Total
1	Jhajjar	Additional-1&2 SDO/Civil Bahadurgarh	3280	873	4153
2	Sonipat	Additional-1 DRO,/Sonipat	1456	156	1612
3	Nuh	Additional-1&2 DRO/Nuh	1524	04	1528
		Dhulawat Connectivity	311	09	320
4	Palwal	Additional-1 SDO/Civil Palwal	49	221	270
5	Gurugram	Additional-1 SDO/Civil Sohna	162	30	192
		Additional-1&2 SDO/Civil Gurugram	132	03	135
		Additional-1&2 SDO/Civil Pataudi	2893	127	3020
		Total	9807(87.3)	1423(12.6)	11230(100)

4.6.2 Impact on Structures

Modification of the alignment design and non-compromise of safety precautions have saved 18 structures in Dhulawat connectivity. **Table 4.10** provides the type of structures saved due to good design practice.

Table 4.10: Structures saved by Design Modification

S.No	Type of Structures	No. of Structures	Share to total structure %
1	Residential	06	33.3
2	Tube well	08	44.4
3	Bore well/Borewell with room	03	16.7
4	Shamshan Ghat at Padheni	01	5.6
	Total	18	100

The impact on structure along the alignment has been estimated through a census survey. There are 41 private structures affected by the project. No religious and community structures are affected. No non-titleholder structures are affected by this connectivity.

Table 4.11: Impact on Structures

S.No	Name of Village	Type of Structures				Total
		Pvt.	Govt.	Religious	Community	
1	Padheni	06	-	-	-	06
2	Shikarpur	03	-	-	-	03
3	Kharkhadi	08	-	-	-	08
4	Dalaka	10	-	-	-	10
5	Malhaka		-	-	-	
6	Raheri	11	-	-	-	11
7	Tauru	03	-	-	-	03
8	Buraka	00	-	-	-	00
Total		41	0	0	0	41

Private structures affected are given in **Table 4.12** indicating the impact of the proposed connectivity on different types of structures i.e., residential, borewell, room with borewell and farmhouse. Out of the total affected private structures, the majority are borewells (83%) followed by three residential structures (7.3%) in Raheri village. Two rooms with bore wells and two farmhouses are also likely to be affected.

Table 4.12: Private Structures Affected

S.No	Particulars	No. of structures	Share to total Structure (%)
1	Residential	03	7.3
2	Commercial	0	0
4	Bore Well	34	82.9
5	Room with bore well	02	4.9
6	Farmhouse	02	4.9
Total		41	100

The magnitude of the impact on structures is given in **Table 4.13**. The magnitude of impact on three residential structures 34 borewells, one room with borewells and two farmhouses is between 75-100% and one room with borewell is between 50-75%. It is observed that all 41 structures are fully affected and need relocation.

Table 4.13: Magnitude of Impacts of Structures

S.No	Name of Structure	Magnitude of Impact			
		0-25%	25-50%	50-75%	75-100%
1	Residential	-	-	-	03
2	Commercial	-	-	-	0
3	Borewell	-	-	-	34
4	Room with borewell	-	-	01	01
5	Farmhouse	-	-	-	02
Total				01	40

4.6.3 Impact on Households and Persons

Due to land acquisition for the proposed Dhulawat connectivity, the project will have a direct impact on 367 households consisting of 1651 persons. No non-titleholders like tenants, encroachers, squatters, and kiosks would be affected.

Table 4.14: Impact on Households and Persons

S.No	Titleholders		Non-Titleholders		Total	
	PAHs	PAPs	PAHs	PAPs	PAHs	PAPs
1	367	1651	Nil	Nil	367	1651

4.6.4 Impact on Public Amenities/Community Structures

Impact on public amenities plays a vital role in the project. The sentiments of people attached to the community structures like temples, samadhi, statues, etc. Due to the modification of the alignment design, the project will have no impact on public amenities and community structures.

4.6.5 Impact on Sharecropper and Wage Labour

The land acquisition for the proposed connectivity may have various impacts on different cross sections of people apart from affected peoples like sharecroppers, wage labourers, and vulnerable families whose livelihoods are based on the earnings from land. As per the survey, it is reported that only six persons are associated with two landowners as labour during cultivation as they are poor, assetless, and do not have enough land or adequate employment to support the family. Thus, these families should be taken into consideration as per the RFCTLARR act during the process of making compensation. This information will be updated at the time of verification.

4.6.6 Impact on Livelihood/Business

A total number of 367 households' livelihoods will be affected due to the acquisition of land as their main occupation is agriculture. No household will lose commercial structure. As regards to RoW, the impact on the majority of cultivation land is envisaged and lesser on structure loss/damage.

4.6.7 Impact on Vulnerable Households

As per the AIB guidelines, vulnerable groups/persons have challenges that make them at higher risk of falling into poverty than others in the project area. The Vulnerable Group/ Persons the following categories: (i) PAFs falling under the 'Below Poverty Line' (BPL) category¹; (ii) persons who belong to Scheduled Castes (SC) and Scheduled Tribes (ST); (iii) Female Headed Family/Household (unmarried women, separated/divorced, widow, etc.); (iv) Elderly people above the age of 60 years and living alone without direct support; and (v) People with disabilities or orphan. Out of the total PAHs, 18 households are in vulnerable groups. Out of the total vulnerable, 61.1% are women-headed households, 22.2% are in below the poverty line and 16.7% are scheduled caste. Identification of vulnerable persons/households is being done by CALA, Nuh and accordingly, this figure will be updated.

¹ Poverty line as defined by GOI.

4.6.8 Summary of Social Impacts

In this section, the description of the impact due to the proposed Dhulawat connectivity has been summarized to understand the overall impact due to implementation of the project.

Table 4.15: Summary of Social Impacts

S.No	Description	Number
1	Number of Villages	08
2	Area of Land to be Acquired (in Ha)	16.5874
3	Private Land Area (in Ha)	14.842
4	Government Land Area (in Ha)	2.0032
5	Number of Private Structures	41
6	Total Project Affected Households	367
7	Households of Titleholder	367
8	Households of non-Titleholder	Nil
9	Number of Displaced Households	03
10	Number of Vulnerable HH	18
11	Project Affected Persons	1651
12	Residential Structures	03
13	Commercial Structures	Nil
14	Number of Community Structures	Nil
15	Number of Religious Structures	Nil

Chapter:5 Public Consultation and Disclosure

5.1 Background

Public consultation is an integral part of social assessment process of a project. It is a two-way process, making people aware of the Dhulawat connectivity from Dhulawat (HORC) to New Tauru (DFC) and at the same time enables them to express their views and suggestions to make it more meaningful and beneficial to all.

Public consultation is a continuous process throughout the project period, during project preparation, implementation, and monitoring stages. Involuntary resettlement generally causes numerous problems for the affected people. These problems can be reduced to a great extent if people are properly informed and consulted about the project and are allowed to make meaningful choices or preferences. The objective of the consultation and participation mechanism is to minimize the negative impacts in the project corridors and to make people aware of the project.

HRIDC with the help of the GC team carried out public consultation with the local communities, affected households, and villages/settlements through which the proposed Dhulawat connectivity transverse. During these public consultations social impacts are enlisted with discussion of issues regarding the nature of the project and its features, impacts on account of land acquisition, loss of structures, and mitigation measures were disclosed, and related suggestions/issues/concerns recorded.

5.2 Objectives

The main objective of the public consultations is to provide awareness about the project development and gather suggestions on any adverse or proposed developments for either avoiding or mitigation the adverse impacts through appropriate design. In addition to this the other objectives include:

- a) To provide a forum to the community and local project personnel in effectively Implementing the project's physical interventions;
- b) To create confidence amongst the community about the implementing agency, i.e., Haryana Railway Infrastructure Development Corporation. (HRIDC) to get the community's trust in order for a social license to operate.
- c) To understand local environment and socio-cultural issues so that any adverse impact to these in particular are addressed under the project at both levels, one at the design level and other at the implementation level;
- d) To engage the community in receiving inputs from all participants at the consultations about the project; and identify alternative design options to either avoid or mitigate adverse environmental and social issues.

5.3 Methods of Public Consultation

Keeping in mind the objective of minimizing adverse impact and the need for the stakeholder's participation for the smooth implementation of the project, consultation with the members of different sections of society, the affected households/people, farmers, vulnerable groups, community members of the project area along the proposed Dhulawat connectivity were carried out. The consultation with vulnerable people was made to build awareness among them so that likely potential adverse impacts of the

project on the target vulnerable population may be minimized. In this regard, consultation meetings were organized in five villages of Nuh District.

The following methods were adopted for conducting public consultation:

- a. Public meetings/consultations at the village level
- b. Focus Group Discussions (FGD) with different groups of affected people including farmers, and vulnerable groups in the project area.
- c. Discussions and interviews with key informants like village Pradhan/Nambardar, Sarpanch

5.4 Public Consultation Conducted at Affected Villages

The Public consultations were held with prior information. The study team, while carrying out the Social Impact Assessment survey, met the project-affected persons as well as village/ panchayat heads and informed them about the date, time, venue, and its objectives. The villagers, project-affected families, and other members of the village attended the public consultations as per the scheduled plan and shared their views about the project.

A total of five consultations have been held at locations of Padheni, Kharkhedi, Malahka, Raheri, and Shikarpur. Village-wise detailed of consultation is given in Table—

Table 5.1: Village wise detailed of Public Consultation

S.No	Location and Date	No of Participants	Issues raised by Participants	Replies from HRIDC
1	Kharkhedi 16/08/2024	18	General perception about the project	People were briefed about the HORC project including environmental and social impacts and mitigation measures. The majority of villagers were aware of the proposed Dhulawat connectivity of the HORC project. People were positive and supportive towards the construction of project activities.
			Demand for fair and equal compensation towards property/ structural loss.	PAPs were informed that a comprehensive resettlement policy framework has been prepared in accordance with RFCTLARR Act 2013 and AIIB's policy and compensation for acquisition of land and R&R benefits will be provided accordingly.
			Employment Opportunity to land	HRIDC Noted

S.No	Location and Date	No of Participants	Issues raised by Participants	Replies from HRIDC
			losers in construction work.	
			Villagers requested to give one and half month time for cutting of standing crops.	Villagers were informed that a public notice has already been served to all households in the village whose land are acquired for HORC project under 20E Notification of Railways Act 1989 regarding cultivation in acquired land. However, they were asked to cut the standing crops as soon as possible and vacate the land as soon as possible.
2	Padheni, Village Tehsil-Tauru Dist.- Nuh 23/6/2024 & 06/08/2024	14	People demand increased factors for determining compensation for land acquisition.	PAPs were informed that a comprehensive resettlement policy framework has been prepared in accordance with the RFCTLARR Act 2013 and AIB's policy and compensation for acquisition of land and R&R benefits will be provided accordingly.
			Interest rates should be considered on the total amount and not on the principal rate of land.	
			At least one member of each affected family should be provided employment in the project.	The employment will be given as per government policy. Currently there is no provision of providing Govt. Job against land acquisition.
			Name proposed railway station should be in the name of Padheni village, not Dhulawat.	Villagers were informed that they should give in writing to the District Collector regarding changing of proposed station name.
			PAPs requested that local youth should be involved not only in unskilled labour job during construction but also in the	HRIDC noted

S.No	Location and Date	No of Participants	Issues raised by Participants	Replies from HRIDC
			supervisory work in the project.	
			The drainage system of the village has been blocked due to the earthwork of the project. Need to take immediate action.	HRIDC has noted this and will take necessary action accordingly.
			Villagers demanded road facilities to access their agricultural land located opposite KMP. A minimum of 5 m is required to approach road along the rail alignment.	Additional land is being acquired where necessary for providing an approach road for villagers.
3	Village: Dalaka & Malaka Tehsil-Tauru Dist.- Nuh 23/8/2024	13	General perception about the project.	Villagers were aware of the proposed Dhulawat connectivity of the HORC project and stated that they have no objection to the project and its implementation.
			Village road should not be affected due to construction of the HORC project.	HRIDC noted
			Payment of Compensation	Villagers were informed that a comprehensive resettlement policy framework has been prepared in accordance with RFCTLARR Act 2013 and AIIB's policy and compensation will be provided accordingly.
			Employment Opportunity to land losers.	Employment will be given as per government policy. Currently, there is no provision for providing Govt. Job against land acquisition.
4	Village: Rahedi Tehsil-Tauru Dist.- Nuh 23/8/2024	12	Demand for fair and equal Compensation.	Villagers were informed that a comprehensive resettlement policy framework has been prepared in accordance with RFCTLARR Act 2013 and AIIB's

S.No	Location and Date	No of Participants	Issues raised by Participants	Replies from HRIDC
				policy and compensation will be provided accordingly.
			Employment Opportunity to land losers.	Employment will be given as per government policy. Currently, there is no provision for providing Govt. Job against land acquisition.
			Compensation for the remaining small portion of land after acquisition.	HRIDC shall acquire land as per requirement of the HORC project.
5	Village: Shikarpur Tehsil-Tauru Dist.- Nuh 23/08/2024	19	General perception about the project	People were briefed about the Dhulawat connectivity of HORC project.
			Approach the Road to reach the agriculture field.	People were informed that access road may be provided as per local requirement, importance of the road and considering the engineering design of the project.
			Compensation for land acquisition on market rate.	Villagers were informed that a comprehensive resettlement policy framework has been prepared in accordance with RFCTLARR Act 2013 and AIIB's policy and compensation will be provided accordingly.
			Employment opportunities for local youth during the construction of the project	HRIDC noted
			People demanded that HRIDC should acquire the remaining part of their land and adequate compensation should be provided to the PAPs.	HRIDC shall acquire land as per requirement of the HORC project.

5.5 Disclosure

HRIDC will disclose the finalized Addendum to ESIA report on its website. The executive summary of the Addendum to ESIA study will be translated into the local language (e.g., Hindi) for disclosure purposes. AIB will also disclose the Addendum to ESIA report on its website. The above information will be available to the public, including affected communities, throughout the life of the project. Hard copies of the relevant documents will be available at the HRIDC office, Sector-32, Gurugram (India) and online at www.hridc.co.in.



Consultation at Padheni Village



Consultation at Kharkhedhi Village



Consultation at Dalaka & Malaka Village

Chapter:6 Analysis of Alternatives

6.1 Background

The final alignment of the proposed connectivity has been arrived at after taking into account environmental and social concerns, considerations of traffic, integration with the existing system and importantly, the overall economic and financial viability. The underlying principles for evaluation of various alternatives, without affecting the overall usefulness of the connectivity, are:

- Minimum private land acquisition,
- Least disturbance to properties,
- Minimum disturbance to people and
- Minimum disturbance to ecology/ biodiversity.

6.2 Alternative Analysis With or Without Project

6.2.1 Option 1: No Development Alternative (Without Connectivity)

Connection between HORC and WDFC at New Prithla (DFC) has already been planned and sanctioned in HORC main project. The HORC alignment crosses Aravali Hills, which require construction of a tunnel and viaduct between Dhulawat & Sohna (IMT) station to cross the Geographical undulations caused by Aravali Hills. The construction of tunnel & viaduct being long lead time consuming activities. If this connectivity is not considered than shifting of freight from HORC to DFC will take a longer time till the tunnel, viaduct and rest of alignment between Dhulawat and New Prithla (DFC) section is completed. In that case freight movement will continue through road and the capacity of timely movement of goods will remain constrained. This will create additional pressure on our already stressed roads. The traffic jams on highways and railways crossing will continue to deteriorate the noise levels and air quality due to idling of vehicles. Due to increasing the number of Vehicles in the study area, GHG emission will also increase.

6.2.2 Option - II (With connectivity)

New Dhulawat - New Tauru connection would facilitate early utilization of part-HORC network as a feeder route to Western DFC, and alternative route for to & fro movement between HORC and DFC networks. Early connectivity with DFC network will enhance financial indicators of HORC due to early start of revenue generation.

In addition, the Dhulawat – New Tauru connectivity will provide alternative route to divert traffic in case of congestion on IR or derailment/blockage due to any mega traffic blocks.

As the proposed connectivity is a green field railway project, the environmental status of the area will be better in comparison to other mode of transportations. Following positive changes will take place in the physical, biological and social environment in the area.

1) Physical Environment

With project scenario following positive changes are anticipated:

- Proposed connectivity will enhance the much-needed capacity for fast transport of goods from one end to another end of the country;

- Will reduce the pressure on roads;
- Air pollution and noise level are likely to increase during construction phase but that will be confined within the close vicinity of construction sites and will be temporary in nature;
- There will be reduction of generation of GHG (Green House Gasses) and hence contributing in preventing global warming.

2) Biological Environment: In the ‘with project’ scenario, the overall impact of the project is likely to be in terms of loss of trees which will be minimized and also regenerate over a period of time due to proposed compensatory tree plantation.

3) Socio-economic Environment: The ‘with project’ scenario will bring large investment to the project area and hence will result in employment and business opportunities.

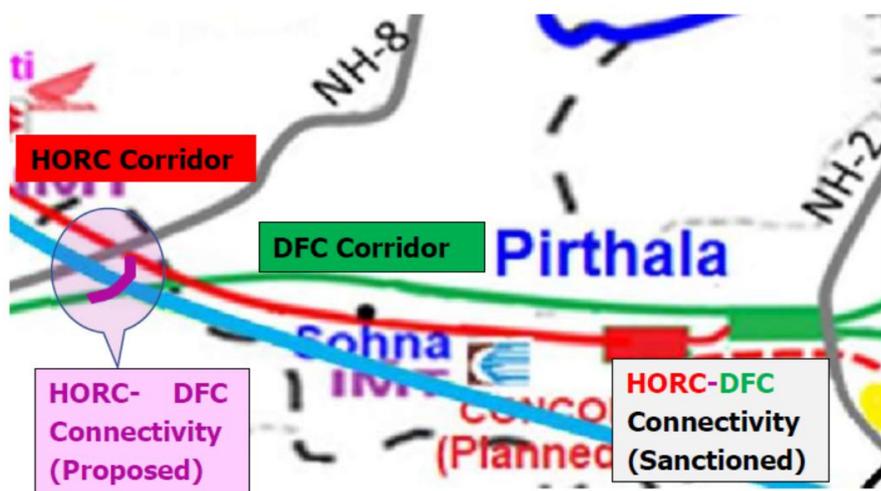
6.3 Conceptualisation of The Alignment

New Tauru station of DFC is very close to Dhulawat of HORC (about 4 km away) and it is feasible to get this connectivity as per site visits and confirmation. The proposed connectivity is expected to help in faster transshipment of trains between DFC and HORC and early use of part infrastructure of both networks. There would not be any change in yard arrangement of New Tauru except connectivity to dead end (DE) at Dadri side and conversion of UP loop into common loop, to facilitate twin single line connectivity of HORC. Dhulawat of HORC as well as New Tauru of DFCCIL station will be converted into junction stations due to this connectivity as traffic will be going into 3 directions. No other connectivity option was available with DFC at this location as New Tauru station of DFC was the only station within the vicinity of Dhulawat Station of the HORC and this connectivity option is straight alignment with only two curves at start and end with minimum environment (loss of trees) and social (land acquisition) impacts.

Table 6.1 Connectivity of Stations

S.No.	Station	Connected to
1.	Dhulawat (HORC)	Chandla-Dungarwas (HORC), IMT-Sohna (HORC) & New Tauru (DFCCIL)
2.	New Tauru (DFCCIL)	Rewari (DFCCIL), Pirthala (DFCCIL) & Dhulawat (HORC)

Figure 6.1: HORC and DFC Connectivity



6.4 Conclusion

Based on the analysis of alternatives as discussed above, it is found that alignment for connecting line from Dhulawat station of HORC to New Tauru station of DFC is the only alignment based on technical, economical, social and environmental aspects. The minor adverse impacts would be manageable to an acceptable level by implementing mitigation measures identified in the EMP.

Chapter:7 Environment and Social Management and Monitoring Plan

7.1 Introduction

The Environmental Management Plan (EMP) provides the measures to be undertaken during the various stages of the project to offset or mitigate the adverse environmental impacts to acceptable levels. The EMP is required to be integrated in the project covering all phases of the project cycle that is planning, construction and operation management. The provision of necessary safeguards in planning of the project itself can lead to reduction of environmental impacts of the project to a great extent. The environmental impacts cannot be fully avoided; however, appropriate mitigation measures are suggested to minimize and compensate for the potential adverse impacts and enhance the positive impacts. Environmental management is based on the potential impacts assessed for the connectivity.

7.2 Mitigation Measures

The main aim of mitigation measures is to protect and enhance the existing environment of the project. This section includes measures for:

7.2.1 Pre-Construction Stage (Location and Design Phase)

- Alignment;
- Loss of water bodies;
- Design provision for safety of structures against earthquake, fire, and floods;
- Utility Diversion;
- Forest Diversion and Compensation for loss of trees.

7.2.1.1 Alignment

Alignment has been kept at grade. The alignment is designed to minimize cutting of trees and avoid minimum private land acquisition.

7.2.1.2 Loss of water bodies

There is no water body near the proposed connectivity. There is a bundh along the alignment which will be protected by the provision of a bridge.

7.2.1.3 Design provision for safety of structures against earthquake, fire and floods

Considering the worst-case scenario and force factors in the probability of an earthquake, fire, and floods etc. the rail network is designed considering safety of structures.

7.2.1.4 Utility Diversion

The proposed alignment is required to negotiate sub-surface, surface and overhead utility services. Prior to the execution of work at site, detailed investigation of all utilities will be undertaken and plans for their retention in situ with precautions or temporary/permanent diversions will be prepared and got approved by respective agencies.

7.2.1.5 Forest Diversion and compensation for loss of trees

At two locations i.e. i) Palwal Sohna Rewari Road and ii) Kharkhari bundh, protected forest in the form of linear strip of plantation is going to be affected by the connectivity. Application for forest diversion will be uploaded in Parivesh Portal of MoEF&CC for permission of diversion of forest area for non-

forest purpose and all necessary compensatory afforestation price will be paid to Forest Department. It is found that 147 nos. of tree are getting affected due to the connectivity. Tree cutting permission will be obtained from Forest Department. Requisite compensation will be paid for the forest department for cutting of these trees.

7.2.2 Construction Stage

- Erosion control;
- Borrow area management;
- Air pollution control;
- Noise pollution control;
- Water Pollution Control;
- Solid waste, C&D waste and Hazardous Waste Management;
- Soil Contamination Prevention Plan;
- Labour welfare management plan;
- House keeping
- Traffic Diversion/Management;
- Occupational health and safety and Community Health and Safety
- Environmental Monitoring Plan

7.2.2.1 Erosion Control

Exposed sloping surface of bank/cutting experiences surficial erosion caused due to the action of exogenous wind and water resulting into loss of soil, leading to development of cuts, rills/gullies adversely affecting the cess width, soil matrix, steepening of slopes etc. which depends on type of soil, climatic conditions, topography of area, length of slope etc. Erosion control measures are commonly classified in following categories: a) Conventional non-agronomical system, b) Bio-technical system, c) Engineering system, and d) Non- conventional hydro-seeding system. Appropriate method will be decided depending on site conditions.

7.2.2.2 Borrow Area Management

Borrow areas will be identified by contractor. The finalization of locations identified by contractor depends upon the formal agreement between landowners and contractor and its suitability from civil engineering as well as environmental consideration. Meeting the guidelines/notifications as stipulated from time to time by the Ministry of Environment Forests and Climate Change, Government of India, and local bodies, as applicable shall be the sole responsibility of the contractor. Besides this, certain precautions must be taken to restrict unauthorized borrowing by the contractor. No borrow area shall be opened without permission of the Engineer-in-Charge. In addition following conditions should be ensured for Borrow areas.

1. The borrow area should not be in cultivable land unless unavoidable i.e. no suitable uncultivable land in the vicinity for borrowing or private landowners are willing to allow borrowing in their fields.
2. Along the roadside, borrow pits should be located 5m away from the toe line.
3. The loss of productive and agriculture soil should be minimum.
4. Borrow pits located near settlements shall be re-developed by the Contractor immediately after borrowing is completed .
5. Borrow area near to any surface water body will be at least at 15m from the toe of the bank or high flood level, whichever is maximum.

6. During rains appropriate measures to be taken to minimize soil erosion, silt fencing to be provided as directed by Engineer-in-Charge.

7.2.2.3 Air Pollution Control

During the construction period, the impact on air quality will be mainly due to increase in Particulate Matter (PM) along haul roads and emission from vehicles and construction machinery. Mitigation measures which shall be adopted to reduce the air pollution are presented below:

- Contractor's transport vehicles and other equipment shall conform to emission standards fixed by Statutory Agencies of Government of India or the State Government from time to time.
- The Contractor shall carry out periodical checks and undertake remedial measures for vehicles including replacement, if required, to operate within permissible norms.
- The contractor shall promote the possibility of procuring cement through bulkers instead of conventional cement bags
- The contractor shall be responsible for maintaining properly functioning construction equipment to minimize exhaust emissions.
- Construction equipment and vehicles will be switched off when not used for extended periods of time.
- Unnecessary idle running of construction vehicles to be prohibited.
- Effective traffic management to be undertaken to avoid significant delays in and around the project area.
- Road damage caused by project activities shall be promptly attended to with proper road repair and maintenance work.
- A wash pit or a wheel washing and/or vehicle cleaning facility to be provided at the exits from batching plant.
- The running of DG sets shall also lead to gaseous emissions. Emission limits for DG setup by CPCB needs to be adhered by the contractor for operation of the DG sets.
- All construction equipment's shall be cleaned of visible dirt/mud before exiting the construction sites and streets shall be promptly cleaned by manual sweeping, or by deploying electro – mechanical devices if such material has been dropped;
- The Contractor shall ensure that vehicles carrying dust generating material shall be covered with tarpaulin, shall have properly fitted side and tailboards and dust potential material shall not be loaded to a level higher than the side and tail boards;
- Materials should not be dropped from more than 1.5 m to limit fugitive dust generation;
- Necessary water sprinkling to be carried out for dust control. For water sprinkling, emphasis should be given on use of STP treated water or RO reject water;
- Stockpiles of sand and aggregate greater than 20m³ for use in concrete manufacture shall be enclosed on three sides, with walls extending above the stockpile and two (2) meters beyond the front of the stockpile;
- At batching plants, where there is a regular movement of vehicles shall have an approved hard surface that is kept clear of loose surface material;
- Unless the Engineer has given notice otherwise, the Contractor shall restrict all motorised vehicles on the Site to a maximum speed of 15 kilometres per hour and confine haulage and delivery vehicles to the designated roadways inside the site;
- The contractor shall take all necessary actions to control air pollution as per guidelines issued by the Commission for Air Quality Management (CAQM) in National Capital Region time to time;
- The contractor shall take necessary actions as per the provisions of Graded Response Action Plan (GRAP) issued from time to time.

7.2.2.4 Noise Pollution Control

During the construction period, the impact on noise quality will be mainly due to operation of vehicles and construction machinery. Mitigation measures which shall be adopted to reduce the noise pollution are presented below:

- Contractor shall minimize the use of impact devices and equip noise producing equipment with acoustically attenuating shields or shrouds recommended by the manufacturers thereof, to meet relevant noise limitations;
- Using hydraulic tools instead of pneumatic impact tools and electric instead of diesel-powered equipment. If pneumatic impact tools and equipment are used, they shall have intake and exhaust mufflers recommended by the manufacturers thereof, to meet relevant noise limitations;
- Employing prefabricated structures instead of assembling on-site;
- Providing enclosures for stationary equipment and barriers around noisy areas;
- Locating and operating stationary equipment in such a way, so as to minimize noise and vibration impact on community, sensitive locations and nearby buildings.
- Scheduling truck loading, unloading, and hauling operations in such a way so as to minimize noise impact near noise sensitive locations and surrounding communities;
- Planning noisier operations during times of highest ambient noise level and keeping noise levels relatively uniform to avoid excessive and impulse noises;
- Using only well-maintained, regular serviced plant/equipment, and not keeping them idling when not in use;
- If back-up alarms are used on construction equipment, their noise emission level near noise sensitive receptors such as residences, schools, hospitals and similar areas where calmness is essential, shall be regulated, especially at night time;
- Avoiding operating truck on streets that pass by schools during school hours;
- At all times noise levels of DG sets shall comply the standards set out by CPCB/SPCB.

7.2.2.5 Water Pollution Control and Efficient Use of water

Following measures to be taken for water pollution control and efficient use of water

- Temporary drainage works to be maintained at construction depots and batching plants;
- Construction of drainage system during the commencement of the works to drain off all surface water at the site into nearby drainage system;
- Provision of sedimentation tanks to trap silt-laden water from all civil works before discharge into the outlet drain;
- The temporary excavated materials to be covered with tarpaulin for backfilling on site during rainy season or at any time of the year when rainstorms are likely;
- Preventing soil particles and debris from entering the wells or water discharge points by use of filters and sedimentation basins as required;
- Ensuring that all existing stream courses and drains within and adjacent to the site are kept safe and free from any debris and any excavated materials arising from the Works;
- Discharging wastewater arising from site offices, canteens or toilet facilities constructed into sewers after obtaining prior notice of no objection of agency controlling the system;
- Provision of oil separator/interceptors at Batching Plant for vehicle maintenance;
- Earth, bentonite, chemicals and concrete agitator washings etc. are not to be deposited/drained in the watercourses but to be suitably treated and effluents and residue disposed off in a manner approved by local Regulatory Authorities;
- Minimize construction works in rainy season;
- Covering of temporarily exposed slope surfaces by tarpaulin in rainy season;

- Recycling of wastewater from washing down of mixer trucks and drum mixers, concrete batching & precast concrete Casting;
- Segregation of surface run-off from the concrete batching plant and casting yard area as much as possible and diversion of it to the storm water drainage system;
- Treating surface run-off contaminated by materials in concrete batching plant within the discharge norms before disposal into storm water drains;

7.2.2.6 Solid waste, C&D waste, Hazardous and Bio-Medical Waste Management

a) Solid Waste

- General refuse like paper and food waste shall be stored in enclosed bins.
- The refuse shall be stored and transported in accordance with good practice and disposed at licensed landfills;
- An authorized waste collector shall be employed by the Contractor to remove general refuse from the site, on a daily basis to minimise odour, pest and litter impacts;
- Burning of waste or vegetation not to be allowed on the site.

b) Construction and Demolition (C&D) Waste

C&D Waste would mainly arise from the project construction activities and from the demolition of existing structures where necessitated.

- The Contractor shall be responsible for collection, segregation, storage and disposal of C&D waste as directed or notified by the concerned local authority in consonance with the Construction & Demolition Waste Management Rules, 2016;
- There shall be no littering, deposition and disposal of C&D waste along the natural drainage and in water body;
- The C&D waste should be disposed off either when the quantity of C&D waste is 15 Tons from entire contract or such C&D waste has been stored for 15 days (irrespective of quantity) whichever is earlier;
- A proper arrangement for record keeping need to be maintained to ensure disposal of C&D waste to C&D waste recycling plant.

c) Hazardous Waste

Hazardous waste would mainly arise from the maintenance of equipment's. These may include, but not be limited to: Used engine oils, hydraulic fluids, waste fuel, spent mineral oils/cleaning fluids from mechanical machinery, scrap batteries or spent acid/alkali, spent solvents/solutions.

- Hazardous waste shall be disposed off in a manner in compliance with the procedure given in "Hazardous Waste (management, handling and trans-boundary movement) rules, 2016" only to authorized recyclers under intimation to the Employer's Representative;
- The hazardous waste shall be stored on an impermeable surface with containment bunding to retain leaks, spills and ruptures;
- All waste collection containers shall be of appropriate size with a closed lid. Each container will be clearly labelled with a colour code system in local language and English. Original labels of empty containers should be completely covered and the contents of the type of waste stored in the used containers clearly indicated;
- Drip pans of suitable size and numbers shall be used to collect oil leakage and spills. The area shall be cleaned after completion of maintenance/repair and generated waste disposed off in approved manner.

d) Bio medical waste

- Collection, segregation, storage and disposal of Bio Medical waste shall be in accordance with

The Bio-medical Waste Management Rules, 2016;

- Disposal of biomedical waste shall be through a licensed waste collector, duly authorized by MoEF&CC or Haryana Pollution Control Board as the case may be. Staff handling the biomedical waste shall be provided with PPEs;
- Storage time of waste shall be as less as possible so that waste storage, transportation and disposal is done within 48 hours.

7.2.2.7 Soil Contamination Prevention Plan

Following measures to be taken during construction for prevention of soil contamination:

- Construction vehicles to be operated within RoW to avoid damage to soil and vegetation;
- Diversions, access roads used to be redeveloped to the satisfaction of the owner/villagers;
- Measures to be taken to prevent ingress of toxic/heavy metals in soil. Suitable storage area for such materials to be prepared and equipment shall be made available for handling of these materials;
- All necessary precautions to be taken such that diesel, grease, waste oil, chemicals etc. does not spill on ground.

7.2.2.8 Labour Welfare Management Plan

During the progress of work following facilities need to be provided and maintained for construction workers:

Labour Accommodation Camps

When workers are based some distance from their normal place of residence, workers shall be provided with suitable and safe accommodation free of charge and all necessary precautions shall be taken to protect their health and welfare. The accommodation shall conform to the requirements of Section 34 of BOCWA. The temporary accommodation provided shall have separate cooking place, bathing & washing area and lavatory facilities. All accommodation camps shall be provided with clean and properly equipped and staffed kitchen and canteen facilities to supply meals for workers.

Water Supply, Wastewater and Sewage Treatment: Uncontaminated water for drinking, cooking and washing to be provide. The quality of drinking water shall be tested once a fortnight and quality should meet as prescribed in IS 10500:2012 and immediate remedial action shall be taken if quality falls below the standard. Sufficient number of latrines and urinals to be provided separately for men and women which need to be cleaned on daily basis. Adequate and clean washing and bathing places to be provided. Wastewater to be treated through septic tank and soakage pits.

Solid Waste Management: Municipal solid waste generated to be collected and transported to local municipal bins for onward disposal to disposal site by municipality.

Canteen: In every workplace wherein not less than 250 workers are employed, an adequate canteen conforming to Chapter VI, Part – II of Rule 81 of Haryana BOCWR shall be provided.

Crèche: In every workplace where in more than 50 female workers are ordinarily employed, there shall be provided and maintained a suitable room for use of children under age of 6 years, conforming to the provisions of Section 35 of BOCWA.

Health care awareness and clinics: Construction workers are more prone to Infectious diseases such as HIV/AIDS. It should be prevented by: Counselling, community events, clinic, and coordination with local health authorities.

First aid facilities: At every workplace, a readily available first-aid unit including an adequate supply of sterilized dressing materials and appliances to be provided. Suitable transport facility to be provided to facilitate taking injured and ill persons to the nearest hospital.

7.2.2.9 Housekeeping

- Each section of work site to be maintained reasonably clean, keep free from obstruction, and properly store any construction equipment, tools, and materials;
- Special housekeeping group to ensure daily cleaning work at the site and its surrounding areas;
- Imparting the necessary introduction and education training through daily pre-work meeting (toolbox talk), safety meeting etc. to labour on housekeeping;
- Other staff such as supervisors and engineers working at the site also to be educated on the necessity of good housekeeping;
- At Labour Camp, all workers have to maintain good housekeeping and hygienic conditions in their respective rooms/dormitories;
- Ensuring the availability of dustbins at required place and regular cleaning of rooms, kitchens, toilet blocks and dustbins;
- Arrangement for regular fumigation to be made;
- At Store, proper access and stacking shall be ensured. A list to be displayed showing daily stock of materials. All work material to be stored in clearly marked containers or at designated storage area;
- At Office, everyone will be responsible to maintain housekeeping of their work station. Disposal of waste materials (i.e., stationary, cigarette butts, tea bags etc.) must be in dustbin only.
- Material Supply Data sheet (MSDS) to be made available for material/chemicals/substances to the Engineer when requested and these material to be treated, handled, stored, transported and disposed off, in a manner specified in the MSDS.

7.2.2.10 Occupational health and safety and Community Health and Safety

Following mitigation measures will be implemented for OHS and CHS:

- Periodic ESHS inspections: Routine inspections will be conducted of the workplace to identify and document new hazards.
- Culture of safety: A culture of safety will be created by ensuring that health and safety initiatives are central to daily operations.
- Training: Relevant training will be provided to employees on workplace safety and health hazards.
- Personal protective equipment (PPE): Training and emphasis will be given for use appropriate PPE.
- Physical distancing: Practice physical distancing will be maintained
- Avoid dust and aerosols: Measures will be taken to avoid dust and aerosols especially during handling of dust producing material.
- Skilled trainers: Use of skilled trainers to raise awareness among project workers of the risks, expected behaviours, and consequences of violations, communicated through training, and publicized codes of conduct.
- Incorporating safe road crossings into project design
- Establishing workers camps separated from local communities with strict protocols for interaction with local communities in order to avoid project impacts from labour influx;
- Implementing sensitization and specific mitigation measures for social impacts from labour influx during construction
- Training to Drivers: Will put in place appropriate processes, including driver training to improve driver and vehicle safety, as well as systems for monitoring and enforcement.

7.2.2.11 Traffic Diversion/Management

In order to retain satisfactory levels of traffic flow during the construction period; traffic management and engineering measures need to be taken. They can be road widening, traffic segregation, one-way movements, traffic diversions, acquisition of service lanes, etc. The guiding principles to be adopted for safety in construction zone are to:

- a) Warn the road user clearly and sufficiently in advance;
- b) Provide safe and clearly marked lanes for guiding road users;
- c) Provide adequate traffic marshals to regulate the movement of traffic;
- d) Provide safe and clearly marked buffer and work zones; and
- e) Provide adequate measures that control driver behaviour through construction zones.

Wherever operations undertaken are likely to interfere with public traffic, Specific Traffic Management Plans shall be drawn up and implemented in consultation with the approval of Local Police Authorities and/or the concerned politburo/Civil Authorities and followed to the IRC: SP;55- 2014 (Guidelines on Traffic Management in work zones) & IRC: 67 (Code of Practice for Road Signs).

7.2.2.12 Environmental Monitoring Plan

The overall impact assessment of the proposed connectivity was carried out and monitoring plans have been framed based on the severity of impacts in different areas. During the EIA study it has been observed that the air, noise and water quality are not going to be affected significantly. Only, temporary changes in these parameters are expected. The preventive/ curative measures to reduce the ill effects of construction activities on these parameters have been suggested under various plans. The work of Environmental Monitoring is to be carried out by an agency approved by MoEF&CC or CPCB/NABL. The detail of estimated budget for environmental monitoring plan is given in **Table 7.1**.

Table 7.1: Estimated Budget for Environmental monitoring plan for 2 Year (Construction Phase)

S. No.	Environmental Monitoring Parameter	Frequency of sampling/ year (A)	Number of Sampling Locations (B)	Total sample/year	Total samples for 2 years	Unit Rate (Rs.) (E)	Amount (million INR)
				C=A*B	D=C*3 yr		F= D*E
1	Air Quality	12*1	3	36	72	3500	0.25
2	Noise	12*4	3	144	288	1500	0.43
3	Drinking Water Quality (Labour camp)	4	1	4	8	3000	0.02
4	Ground Water	4	3	12	24	3000	0.07
5	Vibration				3	10000	0.03
Total							0.81

7.2.3 Operation Stage

- Temporary land acquisition;
- Noise;
- Soil Erosion;
- Vibration;

7.2.3.1 Temporary land acquisition

Redevelopment will be completed/enforced for borrow areas used during construction. Any land acquired temporarily for construction purpose, transportation of material etc. will be redeveloped to the satisfaction of owner.

7.2.3.2 Noise

Following mitigation measures will be adopted in operation phase to Control Noise:

- Horn prohibited sign post to be enforced;
- Local people will be discouraged from establishing sensitive receptors near the railway;
- Public will be informed about the regulations on noise pollution;
- Monitoring of noise pollution will be done regularly.

The mitigation measures at two locations where predicted nighttime noise levels are higher than 5 dB(A) to be decided during operation stage as these are only two residential properties. If these residential properties shift during operation stage of project, then mitigation measures are not required. Furthermore, mitigation measures to be adopted should be based on the actual monitored noise levels.

7.2.3.3 Soil erosion

During operation phase embankment slopes will be re-vegetated and casualties will be replaced. Any Residual spoils will be disposed properly.

7.2.3.4 Vibration

Following mitigation measures will be adopted in operation phase to Control vibration

- Regular track maintenance will be ensured;
- Special track work will be designed;
- Vehicle modifications will be carried out to reduce vibration;
- If required changes in the track support system will be done;
- If required building modifications will be carried out;

7.3 Summary of Environmental Management Plan (EMP)

The environmental impacts stemming out of the proposed connectivity can be mitigated with simple set of measures, dealing with careful planning and designing. Adequate provision of environmental clauses in work contracts and efficient contract management will eliminate or reduce significantly all possible problems. A common problem encountered during implementation of environmental management plans of such projects is lack of environmental awareness among engineers and managers concerned with day-to-day construction activities, which can be solved through regular environmental training programs. A set of preliminary EMP is presented in **Table 7.2** which defines actions to be undertaken during the design stage, pre-construction, construction and operation stage of the project along with Implementing agency and supervision and monitoring agency. The effectiveness of environmental considerations will, however, depend on appropriate inclusion of these in the work contracts.

Table 7.2 Environmental Management Plan

S. No.	Environmental Impact	Mitigation Measure	Implementing Agency/Authority	Supervision and monitoring agency
Pre- Construction Stage (Location and Design Phase)				
1.	Alignment	HRIDC will ensure that an analysis of possible alternatives and alignment adjustments will be done in order to minimize the environmental and social impacts.	DPR and design consultant	HRIDC
2.	Loss of trees and water bodies	Alignment is designed to have minimum impact on trees. Tree felling permission to be obtained from Forest Department, Government of Haryana. There is no water body near to the alignment.	DPR and design consultant/GC	HRIDC
3.	Design provision for safety of structures against earthquake, fire, and floods etc.	Considering the worst-case scenario and force factors in the probability of an earthquake, fire, and floods etc. rail alignment is designed considering safety of structures.	DPR and design consultant	HRIDC
4.	Site measures	A manual in line with AIB guidelines and National regulations will be prepared on aspects of Environment, Social, Health and Safety (ESHS).	GC	HRIDC
5.	Disclosure	As a feedback measures from various stakeholders the EMP/ EMoP will be disclosed to everyone and necessary revision and measures will be discussed and incorporated in the EMP/EMoP if necessary.	HRIDC	HRIDC
Construction stage				

S. No.	Environmental Impact	Mitigation Measure	Implementing Agency/Authority	Supervision and monitoring agency														
1.	Permissions/ Approvals	<p>Various environment clearances to be taken from the concerned agencies are given below:</p> <table border="1" data-bbox="566 387 1532 906"> <thead> <tr> <th data-bbox="566 387 1160 427">Clearance/ Permission//Permit</th> <th data-bbox="1160 387 1532 427">Concerned Agency</th> </tr> </thead> <tbody> <tr> <td data-bbox="566 427 1160 499">Consent to Establish and Consent to Operate batching plants and casting yards</td> <td data-bbox="1160 427 1532 499">Haryana Pollution Control Board</td> </tr> <tr> <td data-bbox="566 499 1160 571">Authorization for generation, handling, storage and transportation of generated waste</td> <td data-bbox="1160 499 1532 571">Haryana Pollution Control Board</td> </tr> <tr> <td data-bbox="566 571 1160 683">Permission for extraction of ground water</td> <td data-bbox="1160 571 1532 683">Haryana Water Resources (Conservation, Regulation and Management) Authority</td> </tr> <tr> <td data-bbox="566 683 1160 754">Pollution Under Control Certificate</td> <td data-bbox="1160 683 1532 754">Department of Transport, Government of Haryana</td> </tr> <tr> <td data-bbox="566 754 1160 842">Management Plan for Construction and Demolition Waste (C&D)</td> <td data-bbox="1160 754 1532 842">Local Authority (Municipal Corporation)</td> </tr> <tr> <td data-bbox="566 842 1160 906">Cutting of trees</td> <td data-bbox="1160 842 1532 906">Forest Department, Haryana</td> </tr> </tbody> </table>	Clearance/ Permission//Permit	Concerned Agency	Consent to Establish and Consent to Operate batching plants and casting yards	Haryana Pollution Control Board	Authorization for generation, handling, storage and transportation of generated waste	Haryana Pollution Control Board	Permission for extraction of ground water	Haryana Water Resources (Conservation, Regulation and Management) Authority	Pollution Under Control Certificate	Department of Transport, Government of Haryana	Management Plan for Construction and Demolition Waste (C&D)	Local Authority (Municipal Corporation)	Cutting of trees	Forest Department, Haryana	Contractor	GC
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Cutting of trees	Forest Department, Haryana																	
2.	Removal of Utilities	<ul style="list-style-type: none"> • Prior to start of construction activities, the utility services (electrical cables, telephone line, water supply pipeline, gas supply pipeline and internet line etc.) will be shifted based on consultation with relevant organizations; • Informing local community before starting removal or demolish work; 	Contractor	GC														
3.	Setting up of labour camp and Welfare measures for labour	<ul style="list-style-type: none"> • Locating labour camp away from the settlement and avoid productive land; • Instructing workers to maintain a clean environment in & around the camps. • Providing labour a suitable and safe accommodation free of charge, taking all necessary precautions to protect their health and welfare wherever labour are based some distance from their normal place of residence. The accommodation shall be in accordance to Section 34 of BOCWA; • Latrine and urinals to be provided as per Chapter VI, Part – II of Rule 80 of Haryana BOCWR and also comply with the requirements of public health authorities; 	Contractor	GC														

S. No.	Environmental Impact	Mitigation Measure	Implementing Agency/Authority	Supervision and monitoring agency
		<ul style="list-style-type: none"> • When women are employed, separate latrine and urinals accommodation to be provided; • An adequate canteen conforming to Chapter VI, Part – II of Rule 81 of Haryana BOCWR to be provided at every workplace wherein not less than 250 workers are employed; • Sufficient supply of wholesome drinking water at every site as per Section 32 of BOCWA; • Quality of the drinking water shall conform to the requirements of national standards on Public Health Laws; • Drinking water facilities need to be easily accessible from the place of work for all workers at all locations of the Site. All such points to be legible marked “Drinking Water” in a language understood by most of the workmen employed; • All accommodation camps to be provided always with a sufficient supply of clean drinking water (of potable quality according to national legal standards), in suitable and easily accessible locations; • Providing and maintaining a suitable room for use of children under age of 6 years in every workplace where in more than 50 female workers are ordinarily employed, conforming to the provisions of Section 35 of BOCWA; • The quality of drinking water to be tested once a fortnight as prescribed in IS 10500:2012 and immediate remedial action to be taken if quality falls below the standard; • Providing all accommodation camps with clean and properly equipped and staffed kitchen and canteen facilities to supply meals for workers; • Providing sufficient toilet and bathroom facilities for the numbers of workers accommodated in each camp. Separate accommodation and toilet/bathroom facilities to be provided for men and women and all facilities to be kept in full working order always and cleaned and re-equipped daily; 		
4.	Soil Erosion and Sedimentation control	<ul style="list-style-type: none"> • Plan activities so that no bare/ loose earth surface is left out before the onset of monsoon; • Embankment slopes to be covered, soon after completion; 	Contractor	GC

S. No.	Environmental Impact	Mitigation Measure	Implementing Agency/Authority	Supervision and monitoring agency									
5.	Soil pollution and Damage to vegetation	<ul style="list-style-type: none"> • Vehicles to be used during construction phase to be operated within the RoW to avoid any damage to nearby soil and vegetation. Diversions, access road used are to be redeveloped to the satisfaction of the owner/villagers; • Taking all necessary precautions such that diesel, grease, waste oil, chemicals etc. does not spill on ground; • Regular monitoring of groundwater and soil leachate where possibility of ground water contamination is anticipated. 	Contractor	GC									
6.	Air pollution	<ul style="list-style-type: none"> • The dumpers carrying the muck/dry soil to be covered while plying on the roads; • Placing the material in a manner that will minimize dust production. Material to be stabilized each day by watering or other accepted dust suppression techniques; • Providing water sprinkling at any time that it is required for dust control use; • Batching plants shall have an approved hard surface that is kept clear of loose surface material; • A wash pit or a wheel washing and/or vehicle cleaning facility to be provided at the exits from work sites such as batching plants. • Vehicle speed to be restricted to 15 Km/h; • Air monitoring to be carried out as per following details: <table border="1" data-bbox="562 1002 1464 1362"> <thead> <tr> <th data-bbox="562 1002 808 1038">Parameters</th> <th data-bbox="808 1002 1167 1038">Location</th> <th data-bbox="1167 1002 1464 1038">Frequency</th> </tr> </thead> <tbody> <tr> <td data-bbox="562 1038 808 1114">Air (PM₁₀, PM_{2.5})</td> <td data-bbox="808 1038 1167 1114">One representative location within each Batching plant</td> <td data-bbox="1167 1038 1464 1114">Monthly</td> </tr> <tr> <td data-bbox="562 1114 808 1362"></td> <td data-bbox="808 1114 1167 1362">Closest residential or commercial area (one location) within 100 m from each active construction site or representative locations approved by the Engineer</td> <td data-bbox="1167 1114 1464 1362">Monthly</td> </tr> </tbody> </table>	Parameters	Location	Frequency	Air (PM ₁₀ , PM _{2.5})	One representative location within each Batching plant	Monthly		Closest residential or commercial area (one location) within 100 m from each active construction site or representative locations approved by the Engineer	Monthly	Contractor	GC
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	Closest residential or commercial area (one location) within 100 m from each active construction site or representative locations approved by the Engineer	Monthly											

S. No.	Environmental Impact	Mitigation Measure	Implementing Agency/Authority	Supervision and monitoring agency
7.	Water Pollution	<ul style="list-style-type: none"> • Temporary drainage works to be maintained at construction depots and batching plants; • Construction of drainage system during the commencement of the works to drain off all surface water at the site into nearby drainage system; • Provision of sedimentation tanks to trap silt-laden water from all civil works before discharge into the outlet drain; • The temporary excavated materials to be covered with tarpaulin for backfilling on site during rainy season or at any time of the year when rainstorms are likely; • Preventing soil particles and debris from entering the wells or water discharge points by use of filters and sedimentation basins as required; • Ensuring that all existing stream courses and drains within and adjacent to the site are kept safe and free from any debris and any excavated materials arising from the Works; • Discharging wastewater arising from site offices, canteens or toilet facilities constructed into sewers after obtaining prior notice of no objection of agency controlling the system; • Provision of oil separator/interceptors at Batching Plant for vehicle maintenance; • Earth, bentonite, chemicals and concrete agitator washings etc. are not to be deposited/drained in the watercourses but to be suitably treated and effluents and residue disposed off in a manner approved by local Regulatory Authorities; • Minimize construction works in rainy season; • Covering of temporarily exposed slope surfaces by tarpaulin in rainy season; • Recycling of wastewater from washing down of mixer trucks and drum mixers, concrete batching & precast concrete Casting; • Segregation of surface run-off from the concrete batching plant and casting yard area as much as possible and diversion of it to the storm water drainage system; • Treating surface run-off contaminated by materials in concrete batching plant within the discharge norms before disposal into storm water drains; • Water monitoring to be carried out as per following details: 	Contractor	GC

S. No.	Environmental Impact	Mitigation Measure			Implementing Agency/Authority	Supervision and monitoring agency
		Parameters	Location	Frequency		
		Drinking/Ground Water (pH, Total Alkalinity, Electrical Conductivity, Total Dissolved Solids, Fluoride, Arsenic, Nitrate, Iron,, Lead, Cadmium, E-coli)	Drinking water: Labour camps	Quarterly (April, July, October, January)		
			Groundwater: one representative tube/bore well in the adjacent residential area or within 100m from each active construction site	Quarterly (April, July, October, January)		
8.	Noise and Vibration	<ul style="list-style-type: none"> Minimize the use of impact devices and use of acoustically attenuating shields or shrouds on noise producing equipment; Provision of intake and exhaust mufflers for pneumatic impact tools and equipment as recommended by the manufacturers; Employing prefabricated structures instead of assembling on-site; Use of electric instead of diesel-powered equipment; Use of hydraulic tools instead of pneumatic impact tools; Configuring the construction site in such a manner that noisier equipment and activities are as far as possible away from noise sensitive locations and nearby buildings; Orienting plant and equipment emitting noise in one direction in a direction away from noise sensitive receptor; 			Contractor	GC

S. No.	Environmental Impact	Mitigation Measure	Implementing Agency/Authority	Supervision and monitoring agency												
		<ul style="list-style-type: none"> • Scheduling truck movement, loading, unloading, and hauling operations in such a way so as to minimize noise impact near noise sensitive locations and surrounding communities; • Planning noisier operations during times of highest ambient noise levels; • Keeping noise levels relatively uniform; • Avoiding excessive and impulse noises; • Use of only well maintained plant/equipment at site; • If back-up alarms are used on construction equipment, keep their noise emission level near noise sensitive receptors within regulated limits especially at night time; • Routine and preventive maintenance procedure for the DG set; • At all times noise levels due to construction activities/DG sets etc. shall comply the standards set out by CPCB/SPCB; • Noise and vibration monitoring to be carried out as per following details: <table border="1" data-bbox="566 820 1516 1294"> <thead> <tr> <th data-bbox="566 820 947 858">Parameters</th> <th data-bbox="947 820 1303 858">Location</th> <th data-bbox="1303 820 1516 858">Frequency</th> </tr> </thead> <tbody> <tr> <td data-bbox="566 858 947 970"> Noise Day Time (6 AM – 10PM) L_{max}, L_{min}, L_{eq}, L₁₀, L₉₀, L₅₀ </td> <td data-bbox="947 858 1303 970"> One representative location within each Batching plant </td> <td data-bbox="1303 858 1516 970">Weekly</td> </tr> <tr> <td data-bbox="566 970 947 1222"> Night Time (10PM – 6AM) L_{max}, L_{min}, L_{eq}, L₁₀, L₉₀, L₅₀ </td> <td data-bbox="947 970 1303 1222"> Closest residential or commercial area (one location) within 100m from each active construction site or representative locations approved by the Engineer </td> <td data-bbox="1303 970 1516 1222">Weekly</td> </tr> <tr> <td data-bbox="566 1222 947 1294"> Vibration (in mm/s or VdB) </td> <td data-bbox="947 1222 1303 1294"> During complaints or as directed by employer. </td> <td data-bbox="1303 1222 1516 1294"></td> </tr> </tbody> </table>	Parameters	Location	Frequency	Noise Day Time (6 AM – 10PM) L _{max} , L _{min} , L _{eq} , L ₁₀ , L ₉₀ , L ₅₀	One representative location within each Batching plant	Weekly	Night Time (10PM – 6AM) L _{max} , L _{min} , L _{eq} , L ₁₀ , L ₉₀ , L ₅₀	Closest residential or commercial area (one location) within 100m from each active construction site or representative locations approved by the Engineer	Weekly	Vibration (in mm/s or VdB)	During complaints or as directed by employer.			
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Vibration (in mm/s or VdB)	During complaints or as directed by employer.															
9.	Waste	General Refuse <ul style="list-style-type: none"> • Burning of wastes will be prohibited; 	Contractor	GC												

S. No.	Environmental Impact	Mitigation Measure	Implementing Agency/Authority	Supervision and monitoring agency
		<ul style="list-style-type: none"> • Authorized waste collector to remove general refuse from the site on a daily basis to minimize odour, pest and litter impacts. • General refuse to be stored in enclosed bins and must be separated from C&D, hazardous and bio medical wastes; <p>Construction and Demolition Waste</p> <ul style="list-style-type: none"> • The C&D waste to be disposed off in a manner in compliance with the procedure given in the Construction & Demolition Waste Management Rules, 2016; • Other waste not to be mixed with this waste and to be stored and disposed separately; • The C&D waste to be disposed only at authorized processing facilities and ensuring that there is no littering or deposition of construction and demolition waste so as to prevent obstruction to the traffic or the public or drains; • No disposal of C&D waste along the riverbed, natural drainage and wet land; • C&D waste to be disposed from the entire contract either when 15 Tons of C&D waste has been generated or such C&D waste has been stored for 15 days (irrespective of quantity), whichever is earlier; • Record to be maintained to ensure disposal of C&D waste to C&D waste recycling plant. <p>Hazardous Waste</p> <ul style="list-style-type: none"> • Hazardous waste shall be disposed off in a manner in compliance with the procedure given in “Hazardous Waste (management, handling and trans-boundary movement) rules, 2016” only to authorized recyclers under intimation to the Employer’s Representative; • The hazardous waste shall be stored on an impermeable surface with containment bunds to retain leaks, spills and ruptures; • All waste collection containers shall be of appropriate size with a closed lid. Each container will be clearly labelled with a colour code system in local language and English. Original labels of empty containers should be completely covered and the contents of the type of waste stored in the used containers clearly indicated; 		

S. No.	Environmental Impact	Mitigation Measure	Implementing Agency/Authority	Supervision and monitoring agency
		<ul style="list-style-type: none"> • Drip pans of suitable size and numbers shall be used to collect oil leakage and spills. The area shall be cleaned after completion of maintenance/repair and generated waste disposed off in approved manner. Bio medical waste • Collection, segregation, storage and disposal of Bio Medical waste shall be in accordance with The Bio-medical Waste Management Rules, 2016; • Disposal of biomedical waste shall be through a licensed waste collector, duly authorized by MoEF&CC or Haryana Pollution Control Board as the case may be. Staff handling the biomedical waste shall be provided with PPEs; • Storage time of waste shall be as less as possible so that waste storage, transportation and disposal is done within 48 hours; Storage and Segregation of Waste • Collection and storage points to be established around all construction work sites: • Segregation of Waste to be done on site; • Displaying board outside the storage area, to display quantity and nature of waste; • Wet/organic/bio-degradable waste to be stored in green bins, dry/recyclable waste (excluding bio-medical waste/ hazardous waste) in blue bins, bio-medical waste in red bins, e-waste in black bins, hazardous waste in brown bins and COVID waste in yellow colour bin; 		
10.	Housekeeping	<ul style="list-style-type: none"> • Each section of work site to be maintained reasonably clean, keep free from obstruction, and properly store any construction equipment, tools, and materials; • Special housekeeping group to ensure daily cleaning work at the site and its surrounding areas; • Imparting the necessary introduction and education training through daily pre-work meeting (toolbox talk), safety meeting etc. to labour on housekeeping; 	Contractor	GC

S. No.	Environmental Impact	Mitigation Measure	Implementing Agency/Authority	Supervision and monitoring agency
		<ul style="list-style-type: none"> • Other staff such as supervisors and engineers working at the site also to be educated on the necessity of good housekeeping; • At Labour Camp, all workers have to maintain good housekeeping and hygienic conditions in their respective rooms/dormitories; • Ensuring the availability of dustbins at required place and regular cleaning of rooms, kitchens, toilet blocks and dustbins; • Arrangement for regular fumigation to be made; • At Store, proper access and stacking shall be ensured. A list to be displayed showing daily stock of materials. All work material to be stored in clearly marked containers or at designated storage area; • At Office, everyone will be responsible to maintain housekeeping of their work station. Disposal of waste materials (i.e., stationary, cigarette butts, tea bags etc.) must be in dustbins only. • Material Supply Data sheet (MSDS) to be made available for material/chemicals/substances to the Engineer when requested and these material to be treated, handled, stored, transported and disposed off, in a manner specified in the MSDS. 		
11.	Quarries and Borrow Pits	<ul style="list-style-type: none"> • The borrow area should not be in cultivable land unless unavoidable i.e. no suitable uncultivable land in the vicinity for borrowing or private landowners are willing to allow borrowing in their fields. • Along the roadside, borrow pits should be located 5m away from the toe line. • The loss of productive and agriculture soil should be minimum. • Borrow pits located near settlements shall be re-developed by the Contractor immediately after borrowing is completed . • During rains appropriate measures to be taken to minimize soil erosion, silt fencing to be provided as directed by Engineer-in-Charge. 	Contractor	GC

S. No.	Environmental Impact	Mitigation Measure	Implementing Agency/Authority	Supervision and monitoring agency
12.	Tree cutting	<ul style="list-style-type: none"> All trees and shrubs, which are not specifically required to be cleared or removed for construction purposes, to be preserved and to be protected from any damage that may be caused by construction operations and equipment; Trees not to be used for anchorage; 	Contractor	GC
13.	Traffic Management	For traffic management, engineering measures need to be taken. They can be road widening, traffic segregation, one-way movements, traffic diversions, acquisition of service lanes, etc. Wherever operations undertaken are likely to interfere with public traffic, Specific Traffic Management Plans shall be drawn up and implemented in consultation with the approval of Local Police Authorities and/or the concerned politburo/Civil Authorities and followed to the IRC: SP;55- 2014 (Guidelines on Traffic Management in work zones) & IRC: 67 (Code of Practice for Road Signs).	Contractor	GC
Operation Phase				
1.	Temporary land acquisition	<ul style="list-style-type: none"> Borrow area redevelopment plan to be completed/enforced; All temporary acquired land for construction of diversion, transportation of material etc. should be redeveloped to the satisfaction of owner; Affected productive area to be poured with top soil. 	Contractor	HRIDC
2.	Noise	<ul style="list-style-type: none"> HORN PROHIBITED sign post to be enforced; Discouraging local people from establishing sensitive receptors near the railway; Public to be informed about the regulations on noise pollution; Monitoring of noise pollution to be done regularly. 	Contractor	HRIDC
3.	Soil erosion	<ul style="list-style-type: none"> Embankment slopes to be re-vegetated, casualties to be replaced; Residual spoils to be disposed properly. 	Contractor	HRIDC
4.	Vibration	<ul style="list-style-type: none"> Regular track maintenance to be ensured; Special track work to be designed; Vehicle modifications to be carried out to reduce vibration; If required changes in the track support system will be done; If required building modifications will be carried out; 	Contractor	HRIDC

7.4 Environmental Management Budget

The cost of all compensation and rehabilitation works will be an integral part of the overall project cost, which will be borne by the project. The preliminary estimated cost of the environmental management plan including implementation and monitoring is INR 5.06 million as detailed in **Table 7.3**.

Table 7.3 Cost of EMP Implementation

S. No.	EMP Components	Amount (INR Million)
1	Compensatory Afforestation*	To be decided by Forest Department
2	Environmental Expert 1 (No)	1.20
3	Dust Suppression Plan	2.44
4	Waste Management Plan	0.61
5	Environmental Monitoring Cost	0.81
	Total	5.06

*Cost to be borne by HRIDC

7.5 Social Management Plan

Social Management Plan (SMP) deals with the implementation procedure of the guidelines and measures recommended to avoid, minimize, and mitigate the social impacts of the Dhulawat connectivity of the HORC project. The SMP is based on the Social Impact Assessment (SIA) study carried out for the project. The institutional arrangement given in the ESIA report of the HORC project will look into the implementation of this connectivity as well as SMP and the various legal settings applicable to the project.

7.5.1 Objectives of SMP

The main aim of the SMP is to ensure that the various adverse impacts are mitigated, and the positive impacts are enhanced. The management practices are developed for all the stages of project, i.e., Design/Pre-construction, Construction and Operational stages. The objectives of the SMP at various stages of the project planning and implementation can be summarized as follows:

- To ensure compliance with lender's (AIIB) applicable safeguard policies, and regulatory requirements of Haryana State and the Government of India;
- To formulate avoidance, mitigation and compensation measures for anticipated adverse social impacts during construction and operation, and ensure that socially acceptable, sustainable and good practices are adopted; and
- To stipulate monitoring and institutional requirements for ensuring safeguard compliance.

7.5.2 Anticipated Social Impacts

The anticipated key social impacts of Dhulawat connectivity are

- Change in land use due to acquisition of land;
- Involuntary resettlement due to loss of properties/structures;

- The land losers and displaced households bear the brunt of adverse livelihoods and living in allied locations.
- Impact on common property resources and local business

7.5.3 Social Management Plan

This section describes the SMP during different stages of the project. The social mitigation measures have been incorporated at all the stages of the project right from Designing phase to Construction and Operational Phase. All care has been taken to provide mitigation measures for all expected social impacts at different stages. The SMP has been formulated for the proposed Dhulawat connectivity for mitigation/management/avoidance of potential adverse impacts and the enhancement of the various social components along with overseeing/supervising responsibilities. A description of the various management measures during various stages of the project is provided in **Table 7.4**.

Table 7.4: Social Impact Management Plan-Design, Construction and Operation

S.No	Project-related Social Issues	Management Measures	Frequency	Location	Implementation Agency/Authority	Supervision & Monitoring Agency	Remarks
A	Social Management- Design Phase (Pre-Construction)						
1.	Land Acquisition affecting private plots, structures and households	<p>a. Land will be acquired following the provisions of The Railways Act, 1989 and the compensation will be determined following Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, (RFCTLARR Act, 2013).</p> <p>b. The land acquisition and compensation procedures are as per the Resettlement Policy Framework (RPF).</p> <p>c. The affected persons will be compensated and assisted as per the provisions given in the Entitlement Matrix of RPF.</p> <p>d. Resettlement and Rehabilitation activities will be governed by the general principles based on RFCTLARR Act, 2013, Railway Board Circular</p>	Once	Corridor of Impact	District Administration-Competent Authorities for Land Acquisition (CALA)	HRIDC	

S.No	Project-related Social Issues	Management Measures	Frequency	Location	Implementation Agency/Authority	Supervision & Monitoring Agency	Remarks
		No.E(NG)II/2010/RC-5/1 dated 11/11/2019 and Gazette Notification No.S.O.-3/C.A. 30/2013/S.30/2018 dated 23rd January 2018, Revenue and Disaster Management Department, Govt. of Haryana.					
2.	Gender Issues	a. Ensure that women's needs are equally met through the Resettlement Plan. b. Ensure that disbursement of compensation is transparent, and that compensation shall be in the name of both spouses.	Once	Corridor of Impact	CALA & HRIDC	GC & HRIDC	
3.	Impacts on Local Economy, Livelihood Sources and Employment	a. To ensure minimum negative impact and maximum positive impact on the local economy, it is important that the consultations and the grievancemechanism within the scope of the RP are properly operated.	Once	Corridor of Impact	Contractor	GC & HRIDC	
4	Utility Relocation and Common Property	a. All community utilities and common property resources such as wells, water supply	Once	Corridor of Impact	Contractor and Concerned Agencies	GC & HRIDC	

S.No	Project-related Social Issues	Management Measures	Frequency	Location	Implementation Agency/Authority	Supervision & Monitoring Agency	Remarks
		<p>lines, sewage lines, drainage systems, optical fiber cables, electric power supply lines, transformers, irrigation pump houses, telephone and television cables shall be relocated and restored before the commencement of the construction activity.</p> <p>b. While relocating these utilities and facilities, all concerned agencies including HRIDC and GC shall take necessary precautions and shall provide barricades/delineation of such sites to prevent accidents including accidental fall into boreholes, pits, drains both during demolition and construction/ relocation of such facilities.</p> <p>c. Standard safety practices shall be adopted for all such works.</p>					

S.No	Project-related Social Issues	Management Measures	Frequency	Location	Implementation Agency/Authority	Supervision & Monitoring Agency	Remarks
		<p>d. Access to the Common Property Resources (CPR's) shall be maintained.</p> <p>e. In case any community property/structure is found during the implementation of the project, relocation sites of the property/structure shall be selected in consultation with concerned communities, and local administrative authorities/departments.</p>					
5	Possibility of gender-based violence(GBV) and Sexual Harassment (SH) arising from the influx of migrant labor	<p>A GBV risk mitigation plan shall be prepared as part of the site ESHS plan to address GBV/SH arising from the influx of migrant labour. It shall comprise</p> <p>a. Code of Conduct for signing by project workers (ESHS Management Manual)</p> <p>b. Integrate GBV into existing IEC strategy/materials, GRM, safety talks, and regular meetings.</p>	Once	Construction Workers Camps including areas in the immediate vicinity	Contractor	GC & HRIDC	

S.No	Project-related Social Issues	Management Measures	Frequency	Location	Implementation Agency/Authority	Supervision & Monitoring Agency	Remarks
		<p>c. Community consultation and identification of GBV focal points within the community.</p> <p>d. Training of labours on occupational health and safety issues.</p> <p>e. Mapping of Service Providers for GBV prevention and response.</p> <p>f. Identify Hot Spots for GBV within the project include construction work and labour camps alongside local communities, schools, liquor shops and migrant labourers residing in rented accommodations within the villages.</p> <p>These areas must be identified and closely monitored throughout the project cycle.</p>					
6	Labour Requirements	a. The Contractor shall use unskilled labour drawn from local communities to avoid any additional stress on the existing facilities (medical	During construction	Along the project corridor at construction sites	Contractor	GC & HRIDC	

S.No	Project-related Social Issues	Management Measures	Frequency	Location	Implementation Agency/Authority	Supervision & Monitoring Agency	Remarks
		<p>services, power, water supply, etc.).</p> <p>b. The recruitment of women and members of vulnerable groups shall be prioritized.</p> <p>c. The Contractor shall provide training to build the skills of locally recruited labour.</p> <p>d. All staff, skilled and unskilled labour employed on a site shall be required to sign Codes of Conduct that shall ensure compliance with the Environmental, Social, Health and Safety provisions of civil works and consultancy contracts.</p>					
B	Social Management during the Construction Phase						
7	Gender Issues	<p>a. Proper illumination at the workplace and workers colony along with separate access to female/male toilets and waiting areas shall be ensured if women workforce deployed at site.</p> <p>b. First aid medical facilities at the working sites for pregnant women and children.</p>	During construction	Construction Workers Camps	Contractor	GC & HRIDC	

S.No	Project-related Social Issues	Management Measures	Frequency	Location	Implementation Agency/Authority	Supervision & Monitoring Agency	Remarks
		<p>c. It will be ensured that women workers are paid at par with maleworkers.</p> <p>d. Adherence to provision of labour law shall be ensured for civil contracts.</p> <p>e. If women workers are deployed at sites then day crèche facilities shall be provided to facilitate the women with infants working on site.</p> <p>f. A visible reporting desk is required at construction camp, and workplaces.</p>					
8	HIV/AIDS	The Contractor shall organise awareness programme on the risks of HIV/AIDS and STDs in coordination with Haryana State AIDS Control Society and local NOGs.	During construction	Construction Workers Camps including areas in the immediate vicinity	Contractor	GC & HRIDC	
9	Risk of social conflict	<p>a. Provision of information regarding Worker Code of Conduct in local language(s).</p> <p>b. Workers will be required to sign a contract including the CoC.</p> <p>c. Provision of cultural sensitization training for</p>	During construction	Construction Workers Camps including areas in the immediate vicinity	Contractor	GC & HRIDC	

S.No	Project-related Social Issues	Management Measures	Frequency	Location	Implementation Agency/Authority	Supervision & Monitoring Agency	Remarks
		migrant labours regarding engagement with the local community.					
10	Child labour and school drop out	Ensure that children (below 14 years) and minors(below 18 years) are not employed directly or indirectly on the project.	During construction	Construction sites	Contractor	GC & HRIDC	
11	Pressure on local infrastructure resources (temporary)	<p>a. Provision of services in the workers' camp to reduce the need for workers to use local community facilities.</p> <p>b. Avoid using and affecting local resources. Local water sources shall not be used for construction activities. Water shall be procured from outside or from the market. This is especially in water scarcity areas.</p> <p>c. The project shall aim and plan to have—zero impacts on local resources.</p>	During construction	Construction Workers Camps including areas in the immediate vicinity	Contractor	GC & HRIDC	
	Community liaison	a. The contractor will provide a minimum of two (2) weeks notification to directly affected residents, businesses and other relevant groups of the intended	During Construction	Construction Workers Camps including areas in the	Contractor	GC & HRIDC	

S.No	Project-related Social Issues	Management Measures	Frequency	Location	Implementation Agency/Authority	Supervision & Monitoring Agency	Remarks
		<p>construction commencement date.</p> <p>b. In providing a mechanism for communication between the contractor and the community and informing the public of construction details (timing, expected impacts), the concessionaire will undertake consultation and information activities.</p>		immediate vicinity			
C	Social Management-Operation Phase						
	Gender Issue	<p>a. Ensure that women, children and elderly people accessible facilities shall be provided at stations.</p> <p>b. Provisions of separate queues for women to buy tickets.</p> <p>c. Separate toilets for men and women at stations.</p> <p>d. Patrolling of platforms during night hours by security personnel.</p> <p>e. Ladies security personnel to be deployed for frisking women</p>	Continuous during operation	Station	Station anager,IR	HRIDC	
	Elderly and Persons with disability (PWDs)	<p>a. Good illumination shall be ensured</p> <p>b. at stations to ensure the comfort of visually impaired.</p>	Continuous during operation	Station	Station Manager	HRIDC	

S.No	Project-related Social Issues	Management Measures	Frequency	Location	Implementation Agency/Authority	Supervision & Monitoring Agency	Remarks
		<p>c. Automated kiosks shall be accessible for wheelchair users and shall be clearly marked with international symbol accessibility.</p> <p>d. Braille buttons and audio announcement system shall be ensured for persons with vision impairments.</p> <p>e. It will be ensured that stations operations shall be easy to understand and operate for persons with disabilities and elderly persons.</p> <p>f. Information's or Help Desk shall be close to the station entrance and highly visible upon entering the station.</p> <p>g. There should be clearly identifiable and accessible to wheelchairs at station.</p>					

7.6 R&R Benefit Costs

The R&R cost with land and structure cost is **INR 50.7**.

Table 7.5: Cost Estimate

S.No	Item	Unit	Quantity	Rate	Amount(in Crore)
1	Land Cost	Ha	14.64		46.32
2	Permanent Structures and Solatium 100% (Titleholder)	Sqm	03	1500000	0.45
3	Borewell		34	250000	0.85
4	Room with Borewell		02	350000	0.07
5	Farmhouse		02	500000	0.1
				Sub-Total	47.79
	Compensation for Titleholders (Residential PAHs)				
6	Annuity	no	03	500000	0.05
7	Subsistence Allowance	no	03	36,000	0.0036
8	Transportation Allowance	no	03	50,000	0.0050
9	Resettlement Allowance	no	03	50,000	0.0050
				Sub-Total	0.06
	General				
10	Cost of Third-Party for External Monitoring (LS)			1000000	0.1
11	Training for Staff	no	5	50000	0.25
12	Administrative Expenses LS				0.1
				Sub-Total	0.45
				Grand Total	48.3
				5% Contingency	2.4
				Total	50.7

Chapter:8 Conclusion and Recommendation

8.1 Conclusion

Dhulawat - New Tauru connecting line of 4.6 km is conceptualised to facilitate early utilization of part HORC network as a feeder route to WDFC and alternative route for to & fro movement between HORC and DFC networks.

The proposed Connectivity from Dhulawat to New Tauru is not located in any environmentally sensitive or protected areas. About 147 trees will be cut and alignment is crossing protected forest area at two locations. For tree cutting and forest clearance permission from forest department will be taken and necessary cost for Compensatory afforestation will be submitted. Hence, no significant ecological impacts are envisaged.

Key environmental impacts due to project are: 1) Air and noise pollution during construction, 2) health and safety risks for the construction workers and 3) traffic that will play on the existing road. These can be mitigated by taking adequate mitigation measures during construction.

Increase in Noise levels due to operation of train will be very less w.r.t baseline noise levels. Night time noise levels will be increased by more than 5 dB(A) at two residential structures located at Ch: 3000 and Ch: 3700. For the operating conditions, Vibration and Ground borne noise will be within permissible limits at all locations for residences and buildings where people normally sleep

Best available technology and best management practices will be built-in to the project design. All project components will be implemented and monitored in line with the AIIB ESF. The proposed project institutional set up includes adequate personnel to implement, monitor and report on environment safeguards.

As discussed, it is safe to say that the proposed connectivity is not likely to cause any significant impacts on the ecology of the area & surrounding environment.

Also review of environmental regulations clearly indicates that the proposed connectivity does not require Environmental Clearance. However, clearance for cutting of trees and diversion of protected forest within the proposed right of way of the alignment will be required from the Forest Department.

In addition to the above, the contractor would be required to obtain following NOCs & licenses from the authorities during construction:

- CTE and CTO under Air, Water Acts for establishing and operating Ready mix concrete batching plant;
- PUC certificate for use of vehicles for construction from Department of Transport;
- NOC for water extraction for construction and allied works.

Apart from the above clearances, the contractor shall comply the following:

- Preparation of site ESHS Plan based on HORC ESHS Manual and site conditions;
- Clearance of Engineer for location and layout of worker's camp, equipment yard and storage yard;
- Clearance of Engineer for Traffic Management Plan for each section of the route after it has been handed over for construction.

8.2 Recommendations

The EMP proposed should be a part of the tender document issued to the contractor. A regular monitoring of the mitigation measures has to be ensured by Project Implementation Agency during construction phase of the project so that negative impacts can be avoid, if not avoid can be reduced and if not shall be mitigated at site.

Annexures

Annexure-2.1

**In Principle Approval to the
Proposed Connectivity
(HORC) to New Tauru (Mewat)
Yard of DFCCIL**

No. HQ/ENWC/PWC/HORC/1/2021

Date: 20.05.2022

Managing Director/HRIDC

Plot No. 143, 5th Floor, Railtel Tower

Sector-44, Gurugram, Haryana-122003

Sub: 'In Principle Approval' to the Proposed Connectivity (HORC) to New Tauru (Mewat) Yard of DFCCIL.

- Ref:** i) Your letter No. HRIDC/GGN/DFCCIL/2021/680 dated 03.03.2022 & HRIDC/GGN/DFCCIL/2021 dated 12.04.2022.
ii) This office letter no. DFCC/NOIDA UMT/HORC/5948 dated 24.03.2022 & letter no. DFCC/Noida Unit/DMIC/HRIDC dated 07.05.2022.
iii) Minutes of Meeting held on 12.05.2022 issued vide No. HQ/ENWC/PWC/HORC/1/2021 dated 19.05.2022.

In reference to above, "In-Principal Approval" of DFCCIL is hereby conveyed for the Proposed Connectivity (HORC) to New Tauru (Mewat) yard of DFCCIL as per the concept plan (Enclosed).

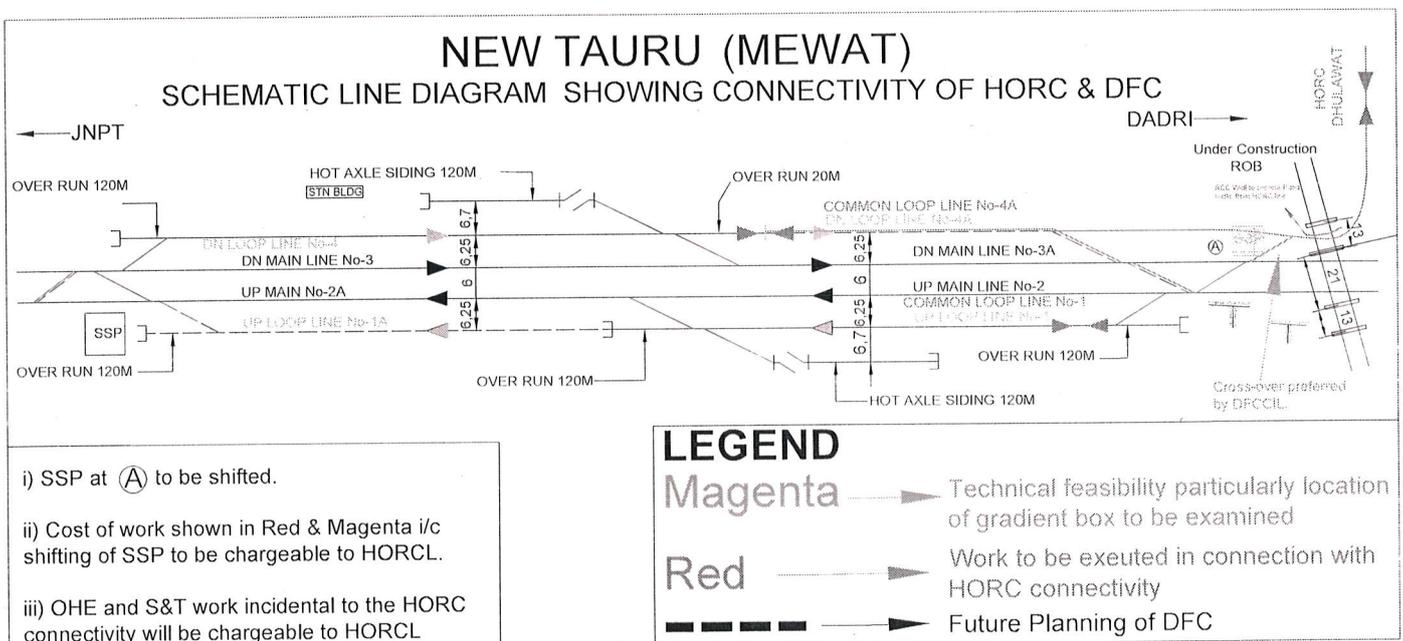
This has the approval of the Competent Authority.

Praveen Kumar
20.5.2022
Praveen Kumar
ED/AM/DFCCIL

Enclosure: Concept Plan

C: Dir/Infra and Dir/OP&BD for Information

Concept Plan



Annexure-3.1

Water Testing Reports



EPA LABS PRIVATE LIMITED

(Erstwhile know as Environment Pollution Analysis Lab)

ISO 9001: 2015, ISO 14001:2015, ISO 45001:2018 Certified & NABL ACCREDITED LAB

Lab.: 2nd Floor, Hans Complex, Near Police Chowki, Bhiwadi-301019 (Raj.)

Contact Info : +91-9759427231, Email : environmentpollutionlab@gmail.com

TEST CERTIFICATE

Sample Number:	EPAL/W/24/08/23/012	Report No.:	EPAL/24/08/23012
Issued To:	DGM/Civil/ Haryana Rail Infrastructure Development Corporation Limited	Format No.:	FRM 062
	IRCON International, Tower-2, Plot No.-16, Sector-32, Gurugram, Haryana-122018	Party Reference No.:	NIL
	Dhulawat-New Tauru Connectivity of Haryana Orbital Rail Corridor (HORC) Project	Reporting Date:	27/08/2024
Name of the Project:		Period of Analysis:	23/08/2024 to 27/08/2024
Sample Description:	Ground Water Sample	Date of Receiving:	23/08/2024
Sampling & Analysis Protocol:	IS:3025, APHA 24th Ed.		

GROUND WATER ANALYSIS TEST REPORT

General Information:-

1. Sampling Location	:	Near Village-Kharkhari (Location-1)
2. Date of Monitoring	:	21/08/2024
3. Latitude	:	28.213829° N
4. Longitude	:	76.987712° E
5. Sample Quantity	:	1 +1 Ltr.
6. Sampling Type	:	Grab
7. Sample Preservation	:	Refrigerated
8. Scope of Monitoring	:	Regulatory Requirement
9. Control Measure if Any	:	No
10. Sample collected by	:	Lab Representative
11. Parameter Required	:	As per work order
12. Environmental Condition	:	Sunny

TEST RESULTS

S.No.	Parameters	Unit	Results	Drinking Water Specifications (As per IS-10500 – 2012)		Protocol Used
				Desirable Limits	Permissible Limits in the absence of better alternate source	
1.	pH	--	7.36	6.5 – 8.5	No relaxation	IS-3025(P-11)
2.	Electrical Conductivity	µS/cm	855	--	--	IS-3025(P-14)
3.	Turbidity	NTU	< 1	1 max	5 max	IS-3025(P-10)
4.	Colour	Hazen	< 5	5 max	15 max	IS-3025(P-4)
5.	Chemical Oxygen Demand	mg/l	ND	--	--	APHA 24th 5220-B
6.	Total Dissolved Solids	mg/l	483	500 max	2000 max	IS-3025(P-16)
7.	Iron, (as Fe)	mg/l	0.38	0.3 max	No Relaxation	APHA 24th Ed.
8.	Dissolved Oxygen (D.O)	mg/l	6.1	--	--	IS-3025(P-38)
9.	Total Alkalinity, (as CaCO ₃)	mg/l	349.5	200 max	600 max	IS-3025(P-23)
10.	Chloride, (as Cl)	mg/l	45.2	250 max	1000 max.	IS-3025(P-32)
11.	Sulphate, (as SO ₄)	mg/l	32.4	200 max	400 max	IS-3025(P-24)
12.	Fluoride, (as F)	mg/l	0.49	1.0 max	1.5 max	APHA 24th Ed.
13.	Sodium	mg/l	16.2	--	--	APHA 24th Ed.
14.	Potassium	mg/l	6.3	--	--	APHA 24th Ed.
15.	Total Hardness, (as CaCO ₃)	mg/l	290.5	200 max	600 max	IS-3025(P-21)
16.	Calcium, (as Ca)	mg/l	77.72	75 max	200 max	IS-3025(P-40)
17.	Magnesium, (as Mg)	mg/l	23.56	30 max	100 max	IS-3025(P-46)
18.	Ammonical Nitrogen (as NH ₃)	mg/l	*BDL (**DL-0.07)	0.5 max	No Relaxation	IS-3025(P-34)
19.	Nitrate, (as NO ₃)	mg/l	6.3	45 max	No Relaxation	IS-3025(P-34)
20.	Phosphate (as p)	mg/l	0.34	--	--	IS-3025(P-31)



Note 1. Sample will be retained for 15 days for chemical testing and 7 days for Bacteriological testing from the date of issue of test report, unless specified by the customer. The results given for noise/lux are related to the observed values at the time of monitoring. The customer asked- for the above test only. 2. The parameters marked as * are not accredited by NABL. 3. The results given above are related to the tested sample and mentioned parameters. Endorsement of product is neither inferred nor implied. 4. Total liability of our works limited of the invoice amount. 5. This report can not be used as evidence in a court of Law without the written approval of the lab. 6. Certificate shall be not reproduced, except in full, without prior written approval of the laboratory.



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Contact Info : +91-9759427231, Email : environmentpollutionlab@gmail.com

TEST CERTIFICATE

Sample Number: EPAL/W/24/06/18/012				Report No.: EPAL/24/06/18012		
S.No.	Parameters	Unit	Results	Drinking Water Specifications (As per IS-10500 – 2012)		Protocol Used
				Desirable Limits	Permissible Limits in the absence of better alternate source	
21.	Copper, (as Cu)	mg/l	*BDL (**DL-0.02)	0.05 max	1.5 max	APHA 24th Ed.
22.	Lead, (as Pb)	mg/l	*BDL (**DL-0.01)	0.01 max	No Relaxation	APHA 24th Ed.
23.	Manganese, (as Mn)	mg/l	*BDL (**DL-0.1)	0.1 max	0.3 max	APHA 24th Ed.
24.	Zinc, (as Zn)	mg/l	*BDL (**DL-0.05)	5 max	15 max	IS-3025(P-49)
25.	Cadmium, (as Cd)	mg/l	*BDL (**DL-0.003)	0.003 max	No Relaxation	APHA 24th Ed.
Bacteriological Examinations						
26.	Total coliform	MPN/100 ml	Absent	Should not be detectable in 100 ml		IS-1622:1981

Remark: -*BDL- Below Detection Limit, DL-Detection Limit

End of Report



Note 1. Sample will be retained for 15 days for chemical testing and 7 days for Bacteriological testing from the date of issue of test report, unless specified by the customer. The results given for noise/lux are related to the observed values at the time of monitoring. The customer asked- for the above test only. 2. The parameters marked as * are not accredited by NABL. 3. The results given above are related to the tested sample and mentioned parameters. Endorsement of product is neither inferred nor implied. 4. Total liability of our works limited of the invoice amount. 5. This report can not be used as evidence in a court of Law without the written approval of the lab. 6. Certificate shall be not reproduced, except in full, without prior written approval of the laboratory.



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Contact Info : +91-9759427231, Email : environmentpollutionlab@gmail.com

TEST CERTIFICATE

Sample Number: EPAL/W/24/08/23/013
Issued To: DGM/Civil/ Haryana Rail Infrastructure Development Corporation Limited
IRCON International, Tower-2, Plot No.-16, Sector-32, Gurugram, Haryana-122018
Name of the Project: Dhulawat-New Tauru Connectivity of Haryana Orbital Rail Corridor (HORC) Project
Sample Description: Ground Water Sample
Sampling & Analysis Protocol: IS:3025, APHA 24th Ed.

Report No.: EPAL/24/08/23013
Format No.: FRM 062
Party Reference No.: NIL
Reporting Date: 27/08/2024
Period of Analysis: 23/08/2024 to 27/08/2024
Date of Receiving: 23/08/2024

GROUND WATER ANALYSIS TEST REPORT

General Information:-

1. Sampling Location : Near Village- Kharkhari (Location-2) Near DFC Alignment
2. Date of Monitoring : 22/08/2024
3. Latitude : 28.204504° N
4. Longitude : 76.987106° E
5. Sample Quantity : 1 +1 Ltr.
6. Sampling Type : Grab
7. Sample Preservation : Refrigerated
8. Scope of Monitoring : Regulatory Requirement
9. Control Measure if Any : No
10. Sample collected by : Lab Representative
11. Parameter Required : As per work order
12. Environmental Condition : Sunny

TEST RESULTS

S.No.	Parameters	Unit	Results	Drinking Water Specifications (As per IS-10500 – 2012)		Protocol Used
				Desirable Limits	Permissible Limits in the absence of better alternate source	
1.	pH	--	7.11	6.5 – 8.5	No relaxation	IS-3025(P-11)
2.	Electrical Conductivity	µS/cm	1242	--	--	IS-3025(P-14)
3.	Turbidity	NTU	< 1	1 max	5 max	IS-3025(P-10)
4.	Colour	Hazen	< 5	5 max	15 max	IS-3025(P-4)
5.	Chemical Oxygen Demand	mg/l	ND	--	--	APHA 24th 5220-B
6.	Total Dissolved Solids	mg/l	742	500 max	2000 max	IS-3025(P-16)
7.	Iron, (as Fe)	mg/l	0.21	0.3 max	No Relaxation	APHA 24th Ed.
8.	Dissolved Oxygen (D.O)	mg/l	5.8	--	--	IS-3025(P-38)
9.	Total Alkalinity, (as CaCO ₃)	mg/l	308.4	200 max	600 max	IS-3025(P-23)
10.	Chloride, (as Cl)	mg/l	185.89	250 max	1000 max.	IS-3025(P-32)
11.	Sulphate, (as SO ₄)	mg/l	48.6	200 max	400 max	IS-3025(P-24)
12.	Fluoride, (as F)	mg/l	0.26	1.0 max	1.5 max	APHA 24th Ed.
13.	Sodium	mg/l	20.4	--	--	APHA 24th Ed.
14.	Potassium	mg/l	7.2	--	--	APHA 24th Ed.
15.	Total Hardness, (as CaCO ₃)	mg/l	489.1	200 max	600 max	IS-3025(P-21)
16.	Calcium Hardness (as Ca)	mg/l	15.23	75 max	200 max	IS-3025(P-40)
17.	Magnesium, (as Mg)	mg/l	30.73	30 max	100 max	IS-3025(P-46)
18.	Ammonical Nitrogen (as NH ₃)	mg/l	*BDL (**DL-0.07)	0.5 max	No Relaxation	IS-3025(P-34)
19.	Nitrate, (as NO ₃)	mg/l	16.8	45 max	No Relaxation	IS-3025(P-34)
20.	Phosphate	mg/l	0.38	--	--	IS-3025(P-31)



Note 1. Sample will be retained for 15 days for chemical testing and 7 days for Bacteriological testing from the date of issue of test report, unless specified by the customer. The results given for noise/lux are related to the observed values at the time of monitoring. The customer asked for the above test only. 2. The parameters marked as * are not accredited by NABL. 3. The results given above are related to the tested sample and mentioned parameters. Endorsement of product is neither inferred nor implied. 4 Total liability of our works limited of the invoice amount. 5. This report can not be used as evidence in a court of Law without the written approval of the lab. Certificate shall be not reproduced, except in full, without prior written approval of the laboratory.



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Contact Info : +91-9759427231, Email : environmentpollutionlab@gmail.com

TEST CERTIFICATE

Sample Number: EPAL/W/24/06/18/013				Report No.: EPAL/24/06/18013		
S.No.	Parameters	Unit	Results	Drinking Water Specifications (As per IS-10500 – 2012)		Protocol Used
				Desirable Limits	Permissible Limits in the absence of better alternate source	
21.	Copper, (as Cu)	mg/l	*BDL (**DL-0.02)	0.05 max	1.5 max	APHA 24th Ed.
22.	Lead, (as Pb)	mg/l	*BDL (**DL-0.01)	0.01 max	No Relaxation	APHA 24th Ed.
23.	Manganese, (as Mn)	mg/l	*BDL (**DL-0.01)	0.1 max	0.3 max	APHA 24th Ed.
24.	Zinc, (as Zn)	mg/l	*BDL (**DL-0.05)	5 max	15 max	IS-3025(P-49)
25.	Cadmium, (as Cd)	mg/l	*BDL (**DL-0.01)	0.003 max	No Relaxation	APHA 24th Ed.
Bacteriological Examinations						
26.	Total coliform	MPN/100 ml	Absent	Should not be detectable in 100 ml		IS-1622:1981

Remark: -*BDL- Below Detection Limit, DL-Detection Limit

End of Report



Note 1. Sample will be retained for 15 days for chemical testing and 7 days for Bacteriological testing from the date of issue of test report, unless specified by the customer. The results given for noise/lux are related to the observed values at the time of monitoring. The customer asked- for the above test only. 2. The parameters marked as * are not accredited by NABL. 3. The results given above are related to the tested sample and mentioned parameters. Endorsement of product is neither inferred nor implied. 4 Total liability of our works limited of the invoice amount. 5. This report can not be used as evidence in a court of Law without the written approval of the lab. 6. Certificate shall be not reproduced, except in full, without prior written approval of the laboratory.

Registered Address : H. No. 52, Gali No. 01, Shyam Vihar, Chaprola, Ghaziabad, Uttar Pradesh.
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Annexures-3.2

Soil Testing Reports



EPA LABS PRIVATE LIMITED

(Erstwhile know as Environment Pollution Analysis Lab)

ISO 9001: 2015, ISO 14001:2015, ISO 45001:2018 Certified & NABL ACCREDITED LAB

Lab.: 2nd Floor, Hans Complex, Near Police Chowki, Bhiwadi-301019 (Raj.)

Contact Info : +91-9759427231, Email : environmentpollutionlab@gmail.com

TEST CERTIFICATE

Sample Number: EPAL/SO/24/08/23/014
Issued To: DGM/Civil/ Haryana Rail Infrastructure Development Corporation Limited
 IRCON International, Tower-2, Plot No.-16, Sector-32, Gurugram, Haryana-122018
Name of the Project: Dhulawat-New Tauru Connectivity of Haryana Orbital Rail Corridor (HORC) Project
Sample Description: Soil Sample
Sampling & Analysis Protocol: IS:2720, EPA

Report No.: EPAL/24/08/23014
Format No.: FRM 062
Party Reference No.: NIL
Reporting Date: 27/08/2024
Period of Analysis: 23/08/2024 to 27/08/2024
Date of Receiving: 23/08/2024
Latitude: 28.213896 N
Longitude: 76.98694 E

SOIL ANALYSIS TEST REPORT

General Information:-

1. Sampling Location : Near Village-Kharkhari (Location-1)
2. Date of Monitoring : 21/08/2024
3. Sample Quantity : 2 kg.
4. Sampling Type : Composite
5. Sample Preservation : Refrigerated
6. Scope of Monitoring : Regulatory Requirement
7. Control Measure if Any : No
8. Sample collected by : Lab Representative
9. Parameter Required : As per work order

TEST RESULTS

S. No.	Parameters	Unit	Results	Protocol Used
1.	pH	-	7.51	IS 2720 (Part-26): 1987
2.	Soil Texture	-	Sandy Loam	EPAL/QAD/STP/004, SP-19
3.	Electrical Conductivity	mS/cm	0.34	IS:14767: 2000
4.	Moisture Content	%	6	IS 2720 (Part-2): 1973
5.	Water Holding Capacity	%	19.2	EPAL/QAD/STP/004, SP-5
6.	Specific Gravity	gm/cc	2.52	IS:2720 (Part- 3): 1980
7.	Bulk Density	gm/cc	1.35	IS:2720 (Part- 3): 1980
8.	Available Sodium	mg/100g	28.8	EPAL/QAD/STP/004, SP-8
9.	Available Potassium	mg/100g	48.1	EPAL/QAD/STP/004, SP-8
10.	Available Calcium	mg/kg	31.1	EPAL/QAD/STP/004, SP-7
11.	Available Magnesium	mg/kg	9.12	EPAL/QAD/STP/004, SP-7
12.	Nitrate Nitrogen	mg/kg	21.4	IS:14684: 2014
13.	Total Phosphate	mg/kg	35.4	EPAL/QAD/STP/004, SP-10
14.	Cadmium	mg/kg	0.32	USEPA3050B: 1996
15.	Copper	mg/kg	0.51	EPAL/QAD/STP/004, SP-17
16.	Lead	mg/kg	0.45	USEPA 3050 B: 1996
17.	Iron	mg/kg	3.0	EPAL/QAD/STP/004, SP-18
18.	Manganese	mg/kg	ND	USEPA 3050 B: 1996
19.	Zinc	mg/kg	2.8	EPAL/QAD/STP/004, SP-17
20.	Boron	mg/kg	ND	EPAL/QAD/STP/004, SP-26
21.	CEC (Cation's exchange Capacity)	meq/100gm	12.4	EPAL/QAD/STP/004, SP-25
22.	Organic Carbon	%	0.47	IS:2720 Part-22: 2015
23.	Available Nitrogen	mg/kg	88.3	IS:14684: 2014
24.	Available Phosphorus	mg/kg	30.8	EPAL/QAD/STP/004, SP-11
25.	ESP (Exchangeable Sodium Percentage)	%	5.2	EPAL/QAD/STP/004, SP-27

End of Report



Checked By
Ankit Singh



Approved By
Brijesh Kumar

Note 1. Sample will be retained for 15 days for chemical testing and 7 days for Bacteriological testing from the date of issue of test report, unless specified by the customer. The results given for noise/lux are related to the observed values at the time of monitoring. The customer asked- for the above test only. 2. The parameters marked as * are not accredited by NABL. 3. The results given above are related to the tested sample and mentioned parameters. Endorsement of product is neither inferred nor implied. 4 Total liability of our works limited of the invoice amount. 5. This report can not be used as evidence in a court of Law without the written approval of the lab. Certificate shall be not reproduced, except in full, without prior written approval of the laboratory.



EPA LABS PRIVATE LIMITED

(Erstwhile known as Environment Pollution Analysis Lab)

ISO 9001: 2015, ISO 14001:2015, ISO 45001:2018 Certified & NABL ACCREDITED LAB

Lab.: 2nd Floor, Hans Complex, Near Police Chowki, Bhiwadi-301019 (Raj.)

Contact Info : +91-9759427231, Email : environmentpollutionlab@gmail.com

TEST CERTIFICATE

Sample Number: EPAL/SO/24/08/23/015 Report No.: EPAL/24/08/23015
Issued To: DGM/Civil/ Haryana Rail Infrastructure Development Corporation Limited Format No.: FRM 062
IRCON International, Tower-2, Plot No.-16, Sector-32, Gurugram, Haryana-122018 Party Reference No: NIL
Reporting Date: 27/08/2024
Period of Analysis: 23/08/2024 to 27/08/2024
Name of the Project: Dhulawat-New Tauru Connectivity of Haryana Orbital Rail Corridor (HORC) Project Date of Receiving: 23/08/2024
Sample Description: Soil Sample Latitude: 28.204505 N
Sampling & Analysis Protocol: IS:2720, EPA Longitude: 76.987196 E

SOIL ANALYSIS TEST REPORT

General Information:-

1. Sampling Location : Near Village- Kharkhari (Location-2) Nr. DFC alignment
2. Date of Monitoring : 22/08/2024
3. Sample Quantity : 2 kg.
4. Sampling Type : Composite
5. Sample Preservation : Refrigerated
6. Scope of Monitoring : Regulatory Requirement
7. Control Measure if Any : No
8. Sample collected by : Lab Representative
9. Parameter Required : As per work order

TEST RESULTS

S. No.	Parameters	Unit	Results	Protocol Used
1.	pH	-	7.56	IS 2720 (Part-26): 1987
2.	Soil Texture	-	Sandy Loam	EPAL/QAD/STP/004, SP-19
3.	Electrical Conductivity	mS/cm	0.31	IS:14767: 2000
4.	Moisture Content	%	5	IS 2720 (Part-2): 1973
5.	Water Holding Capacity	%	18.7	EPAL/QAD/STP/004, SP-5
6.	Specific Gravity	gm/cc	2.56	IS:2720 (Part- 3): 1980
7.	Bulk Density	gm/cc	1.41	IS:2720 (Part- 3): 1980
8.	Available Sodium	mg/100g	28.5	EPAL/QAD/STP/004, SP-8
9.	Available Potassium	Kg/hect.	48.6	EPAL/QAD/STP/004, SP-8
10.	Available Calcium	mg/kg	31.8	EPAL/QAD/STP/004, SP-7
11.	Available Magnesium	mg/kg	9.16	EPAL/QAD/STP/004, SP-7
12.	Nitrate Nitrogen	Kg/hect.	20.3	IS:14684: 2014
13.	Total Phosphate	Kg/hect.	35.8	EPAL/QAD/STP/004, SP-10
14.	Cadmium	mg/kg	0.34	USEPA3050B: 1996
15.	Copper	mg/kg	0.53	EPAL/QAD/STP/004, SP-17
16.	Lead	mg/kg	0.41	USEPA 3050 B: 1996
17.	Iron	mg/kg	3.2	EPAL/QAD/STP/004, SP-18
18.	Manganese	mg/kg	ND	USEPA 3050 B: 1996
19.	Zinc	mg/kg	3.1	EPAL/QAD/STP/004, SP-17
20.	Boron	mg/kg	ND	EPAL/QAD/STP/004, SP-26
21.	CEC (Cation's exchange Capacity)	meq/100gm	16.7	EPAL/QAD/STP/004, SP-25
22.	Organic Carbon	%	0.52	IS:2720 Part-22: 2015
23.	Available Nitrogen	mg/kg	96.4	IS:14684: 2014
24.	Available Phosphorus	mg/kg	31.6	EPAL/QAD/STP/004, SP-11
25.	ESP (Exchangeable Sodium Percentage)	%	4.9	EPAL/QAD/STP/004, SP-27

End of Report



Note 1. Sample will be retained for 15 days for chemical testing and 7 days for Bacteriological testing from the date of issue of test report, unless specified by the customer. The results given for noise/lux are related to the observed values at the time of monitoring. The customer asked- for the above test only. 2. The parameters marked as * are not accredited by NABL. 3. The results given above are related to the tested sample and mentioned parameters. Endorsement of product is neither inferred nor implied. 4. Total liability of our works limited of the invoice amount. 5. This report can not be used as evidence in a court of Law without the written approval of the lab. 6. Certificate shall be not reproduced, except in full, without prior written approval of the laboratory.

Registered Address : H. No. 52, Gali No. 01, Shyam Vihar, Chaprola, Ghaziabad, Uttar Pradesh.
Tel.: 01493-294594, 7665363921, Email : environmentpollutionlab@gmail.com

Annexure-3.3

Air Monitoring Reports



EPA LABS PRIVATE LIMITED

(Erstwhile know as Environment Pollution Analysis Lab)

ISO 9001: 2015, ISO 14001:2015, ISO 45001:2018 Certified & NABL ACCREDITED LAB

Lab.: 2nd Floor, Hans Complex, Near Police Chowki, Bhiwadi-301019 (Raj.)

Contact Info : +91-9759427231, Email : environmentpollutionlab@gmail.com

TEST CERTIFICATE

Sample Number:	EPAL/AA/24/08/23/008	Report No.:	EPAL/24/08/23008
Issued To:	DGM/Civil/ Haryana Rail Infrastructure Development Corporation Limited	Format No.:	FRM 062
	IRCON International, Tower-2, Plot No.-16, Sector-32, Gurugram, Haryana-122018	Party Reference No:	NIL
	Dhulawat-New Tauru Connectivity of Haryana	Reporting Date:	27/08/2024
	Orbital Rail Corridor (HORC) Project	Period of Analysis:	23/08/2024 to 27/08/2024
Name of the Project:		Date of Receiving:	23/08/2024
Sample Description:	Ambient Air Sample		
Sampling & Analysis Protocol:	IS:5182, EPA Method		

AMBIENT AIR ANALYSIS TEST REPORT

General Information:-

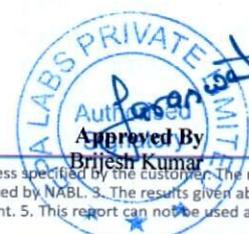
- | | |
|--|---|
| 1. Sampling Location | : Village - Kharkhari (Location-1) |
| 2. Date of Monitoring | : 21/08/2024 to 22/08/2024 |
| 3. Latitude | : 28.210785 N |
| 4. Longitude | : 76.989411 E |
| 5. Volume of Air Sample (for PM ₁₀) | : 24.355 m ³ |
| 6. Volume of Air Sample (for PM _{2.5}) | : 24.134 m ³ |
| 7. Sampler location w.r.t. height (m) | : 3.5 |
| 8. Ambient Temperature (°C) | : Max. 36.0 °C, Min. 26.0 °C |
| 9. Surrounding Activity | : Human & Vehicular Activities |
| 10. Scope of Monitoring | : Regulatory Requirement |
| 11. Instrument Used | : PM10 & PM2.5 Combo sampler with all Accessories |
| 12. Instrument Code | : REC/CS/02 |
| 13. Instrument Calibration Status | : Calibrated |
| 14. Meteorological condition during monitoring | : Sunny |
| 15. Control Measure if Any | : No |
| 16. Sample collected by | : Lab Representative |
| 17. Parameter Required | : As per work order |

TEST RESULTS

Sr. No.	Parameters	Unit	Results	#NAAQS Limit	Protocol Used
1	Suspended Particulate Matter(PM ₁₀)	(µg/m ³)	86.4	100	IS: 5182, (P-23)
2	Suspended Particulate Matter(PM _{2.5})	(µg/m ³)	48.2	60	IS: 5182, (P-24)
3	Sulphur Dioxide (SO ₂)	(µg/m ³)	11.8	80	IS: 5182,(P-2)
4	Nitrogen Dioxide (NO ₂)	(µg/m ³)	24.4	80	IS: 5182,(P-6)
5	Carbon Monoxide (CO)	(µg/m ³)	0.48	4	IS: 5182,(P-10)

Note: -#NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009

End of Reports



Note 1. Sample will be retained for 15 days for chemical testing and 7 days for Bacteriological testing from the date of issue of test report, unless specified by the customer. The results given for noise/lux are related to the observed values at the time of monitoring. The customer asked- for the above test only. 2. The parameters marked as * are not accredited by NABL. 3. The results given above are related to the tested sample and mentioned parameters. Endorsement of product is neither inferred nor implied. 4. Total liability of our works limited of the invoice amount. 5. This report can not be used as evidence in a court of Law without the written approval of the lab. 6. Certificate shall be not reproduced, except in full, without prior written approval of the laboratory.



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ISO 9001: 2015, ISO 14001:2015, ISO 45001:2018 Certified & NABL ACCREDITED LAB

Lab.: 2nd Floor, Hans Complex, Near Police Chowki, Bhiwadi-301019 (Raj.)

Contact Info : +91-9759427231, Email : environmentpollutionlab@gmail.com

TEST CERTIFICATE

Sample Number: EPAL/AA/24/08/23/009
Issued To: DGM/Civil/ Haryana Rail Infrastructure Development Corporation Limited
IRCON International, Tower-2, Plot No.-16, Sector-32, Gurugram, Haryana-122018
Name of the Project: Dhulawat-New Tauru Connectivity of Haryana Orbital Rail Corridor (HORC) Project
Sample Description: Ambient Air Sample
Sampling & Analysis Protocol: IS:5182, EPA Method

Report No.: EPAL/24/08/23009
Format No.: FRM 062
Party Reference No.: NIL
Reporting Date: 27/08/2024
Period of Analysis: 23/08/2024 to 27/08/2024
Date of Receiving: 23/08/2024

AMBIENT AIR ANALYSIS TEST REPORT

General Information:-

1. Sampling Location : Village- Kharkhari (Location-2) Nr. DFC alignment
2. Date of Monitoring : 21/08/2024 to 22/08/2024
3. Latitude : 28.204353 N
4. Longitude : 76.986573 E
5. Volume of Air Sample (for PM₁₀) : 24.425 m³
6. Volume of Air Sample (for PM_{2.5}) : 24.418 m³
7. Sampler location w.r.t. height (m) : 3.5
8. Ambient Temperature (°C) : Max. 36.0 °C, Min. 26.0 °C
9. Surrounding Activity : Human & Vehicular Activities
10. Scope of Monitoring : Regulatory Requirement
11. Instrument Used : PM10 & PM2.5 Combo sampler with all Accessories
12. Instrument Code : REC/CS/01
13. Instrument Calibration Status : Calibrated
14. Meteorological condition during monitoring : Sunny
15. Control Measure if Any : No
16. Sample collected by : Lab Representative
17. Parameter Required : As per work order

TEST RESULTS

Sr. No.	Parameters	Unit	Results	#NAAQS Limit	Protocol Used
1	Suspended Particulate Matter(PM ₁₀)	(µg/m ³)	91.9	100	IS: 5182, (P-23)
2	Suspended Particulate Matter(PM _{2.5})	(µg/m ³)	50.4	60	IS: 5182, (P-24)
3	Sulphur Dioxide (SO ₂)	(µg/m ³)	14.3	80	IS: 5182,(P-2)
4	Nitrogen Dioxide (NO ₂)	(µg/m ³)	32.8	80	IS: 5182,(P-6)
5	Carbon Monoxide (CO)	(µg/m ³)	0.63	4	IS: 5182,(P-10)

Note 1. -#NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009

End of Reports



Note 1. Sample will be retained for 15 days for chemical testing and 7 days for Bacteriological testing from the date of issue of test report, unless specified by the customer. The results given for noise/lux are related to the observed values at the time of monitoring. The customer asked- for the above test only. 2. The parameters marked as * are not accredited by NABL. 3. The results given above are related to the tested sample and mentioned parameters. Endorsement of product is neither inferred nor implied. 4. Total liability of our works limited of the invoice amount. 5. This report can not be used as evidence in a court of Law without the written approval of the lab. 6. Certificate shall be not reproduced, except in full, without prior written approval of the laboratory.

Annexures-3.4

Noise Monitoring Reports



EPA LABS PRIVATE LIMITED

(Erstwhile know as Environment Pollution Analysis Lab)

ISO 9001: 2015, ISO 14001:2015, ISO 45001:2018 Certified & NABL ACCREDITED LAB

Lab.: 2nd Floor, Hans Complex, Near Police Chowki, Bhiwadi-301019 (Raj.)

Contact Info : +91-9759427231, Email : environmentpollutionlab@gmail.com

TEST CERTIFICATE

Sample Number:	EPAL/N/24/08/23/010	Report No.:	EPAL/24/08/23010
Issued To:	DGM/Civil/ Haryana Rail Infrastructure Development Corporation Limited IRCON International, Tower-2, Plot No.-16, Sector- 32, Gurugram, Haryana-122018	Format No.:	FRM 062
Name of the Project:	Dhulawat-New Tauru Connectivity of Haryana Orbital Rail Corridor (HORC) Project	Party Reference No:	NIL
Sample Description:	Ambient Noise	Reporting Date:	27/08/2024
Sampling & Analysis Protocol:	IS: 9989 & CPCB Guidelines	Date of Receiving:	23/08/2024
		Latitude:	28.210795 N
		Longitude:	76.989401 E

AMBIENT NOISE LEVEL MONITORING REPORT

General Information:-

1. Sampling Location : Village-Kharkhari (Location-1)
2. Date of Monitoring : 21/08/2024 to 22/08/2024
3. Duration of Monitoring : 24 Hr.
4. Ambient Temperature (°C) : Max. 36.0 °C, Min. 26.0 °C
5. Surrounding Activity : Human & Vehicular Activities
6. Scope of Monitoring : Regulatory Requirement
7. Instrument Used : Sound Level Meter
8. Instrument Code : EPAL/SLM/02
9. Instrument Calibration Status : Calibrated
10. Meteorological condition during monitoring : Sunny
11. Control Measure if Any : No
12. Sample collected by : Lab Representative
13. Parameter Required : As per work order

TEST RESULTS

Sr. No.	Parameter	Unit	Noise level Day (06:00 am to 10:00 pm)	Noise level Night (10:00 pm to 06:00 am)	Protocol Used
1	L _{Max}	(dB)A	62.4	50.4	IS: 9989
2	L _{Min}	(dB)A	38.9	34.2	IS: 9989
3	L ₁₀	(dB)A	59.6	49.8	IS: 9989
4	L ₅₀	(dB)A	50.7	42.3	IS: 9989
5	L ₉₀	(dB)A	44.0	36.8	IS: 9989
6	L _{eq}	(dB)A	50.65	42.30	IS: 9989

Area Code	Category of Area/Zone	Limit as per E(P)A 1986 (The Noise Pollution Regulation & Control Rule, 2006) in dB (A) Leq.	
		Day Time	Night Time
A	Residential Area	55	45

End of Report



Note 1. Sample will be retained for 15 days for chemical testing and 7 days for Bacteriological testing from the date of issue of test report, unless specified by the customer. The results given for noise/lux are related to the observed values at the time of monitoring. The customer asked for the above test only. 2. The parameters marked as * are not accredited by NABL. 3. The results given above are related to the tested sample and mentioned parameters. Endorsement of product is neither inferred nor implied. 4. Total liability of our works limited of the invoice amount. 5. This report can not be used as evidence in a court of Law without the written approval of the lab. 6. Certificate shall be not reproduced, except in full, without prior written approval of the laboratory.



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(Erstwhile know as Environment Pollution Analysis Lab)

ISO 9001: 2015, ISO 14001:2015, ISO 45001:2018 Certified & NABL ACCREDITED LAB

Lab.: 2nd Floor, Hans Complex, Near Police Chowki, Bhiwadi-301019 (Raj.)

Contact Info : +91-9759427231, Email : environmentpollutionlab@gmail.com

TEST CERTIFICATE

Sample Number: EPAL/N/24/08/23/011
Issued To: DGM/Civil/ Haryana Rail Infrastructure Development Corporation Limited
IRCON International, Tower-2, Plot No.-16, Sector-32, Gurugram, Haryana-122018
Name of the Project: Dhulawat-New Tauru Connectivity of Haryana Orbital Rail Corridor (HORC) Project
Sample Description: Ambient Noise
Sampling & Analysis Protocol: IS: 9989 & CPCB Guidelines
Report No.: EPAL/24/08/23011
Format No.: FRM 062
Party Reference No: NIL
Reporting Date: 27/08/2024
Date of Receiving: 23/08/2024
Latitude: 28.204393 N
Longitude: 76.986543 E

AMBIENT NOISE LEVEL MONITORING REPORT

General Information:-

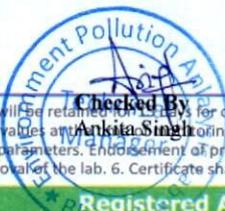
1. Sampling Location : Village- Kharkhari (Location-2) Near DFC Alignment
2. Date of Monitoring : 21/08/2024 to 22/08/2024
3. Duration of Monitoring : 24 Hr.
4. Ambient Temperature (°C) : Max. 36.0 °C, Min. 26.0 °C
5. Surrounding Activity : Human & Vehicular Activities
6. Scope of Monitoring : Regulatory Requirement
7. Instrument Used : Sound Level Meter
8. Instrument Code : REC/SLM/01
9. Instrument Calibration Status : Calibrated
10. Meteorological condition during monitoring : Sunny
11. Control Measure if Any : No
12. Sample collected by : Lab Representative
13. Parameter Required : As per work order

TEST RESULTS

Sr. No.	Parameter	Unit	Noise level Day (06:00 am to 10:00 pm)	Noise level Night (10:00 pm to 06:00 am)	Protocol Used
1	L _{Max}	(dB)A	64.2	51.8	IS: 9989
2	L _{Min}	(dB)A	40.7	37.1	IS: 9989
3	L ₁₀	(dB)A	61.7	52.3	IS: 9989
4	L ₅₀	(dB)A	52.5	44.5	IS: 9989
5	L ₉₀	(dB)A	45.6	38.7	IS: 9989
6	L _{eq}	(dB)A	52.45	44.45	IS: 9989

Area Code	Category of Area/Zone	Limit as per E(P)A 1986 (The Noise Pollution Regulation & Control Rule, 2006) in dB (A) Leq.	
		Day Time	Night Time
A	Residential Area	55	45

End of Report



Note 1. Sample will be retained for 7 days for chemical testing and 7 days for Bacteriological testing from the date of issue of test report, unless specified otherwise. The results given for noise/lux are related to the observed values at the time of monitoring. The customer asked- for the above test only. 2. The parameters marked as * are not accredited by NABL. 3. The results given above are related to the tested sample and mentioned parameters. Endorsement of product is neither inferred nor implied. 4 Total liability of our works limited of the invoice amount. 5. This report can not be used as evidence in a court of Law without the written approval of the lab. 6. Certificate shall be not reproduced, except in full, without prior written approval of the laboratory.

Registered Address : H. No. 52, Gali No. 01, Shyam Vihar, Chaprola, Ghaziabad, Uttar Pradesh.
Tel.: 01493-294594, 7665363921, Email : environmentpollutionlab@gmail.com

Annexures-3.5

Vibration Monitoring Report

EPA LABS PRIVATE LIMITED

(Erstwhile Know as Environment Pollution Analysis Lab)

ISO 9001:2015, ISO 14001:2025, ISO 45001:2018, Certified & NABL Accredited LAB

LAB: 2nd Floor, Hans Coplex, Near Police Chowki, Bhiwadi, 301019(Raj.)

Sample Number: EPAL/V/24/08/23/016

Issued To:

DGM/Civil/ Haryana Rail Infrastructure Development Corporation Limited

IRCON International, Tower-2, Plot No.-16, Sector-32, Gurugram, Haryana-122018

Report No.: EPAL/24/08/23016

Format No.: FRM 062

Party Reference No: NIL

Reporting Date: 27/08/2024

Date of Receiving: 23/08/2024

Latitude: 28.205034 N

Longitude: 76.987288 E

Name of the Project:

Dhulawat-New Tauru Connectivity of Haryana Orbital Rail Corridor (HORC) Project

VIBRATION TEST REPORT

1	Sampling Location	:	Near Village-Kharkhari (Distance 200 mtr. From DFC Rail Track)
2	Date of Monitoring	:	23/08/2024
3	Duration of Monitoring (min.)	:	3 Hrs. 01:00 PM to 4:00 PM
4	Scope of Monitoring	:	Regulatory Requirement
5	Instrument Used	:	Seismograph (Ground Vibration Tester)
6	Instrument Code	:	EPAL/VT-01
7	Instrument Calibration Status	:	Calibrated
8	Meteorological condition during monitoring	:	Clear Sky
9	Control Measure if Any	:	No
10	Sample collected by	:	Lab Representative
11	Parameter Required	:	As per work order

Table-01 (R) : Induced Vibration Level During 3 hrs.

Sr. No.	Name of Location	Category	VdB (Max.)	VdB(Min)	VdB(Avg.)
1	Kharkadi (200 Mtr. From DFC Rail Track)	Ground	82.8	42.3	66.9

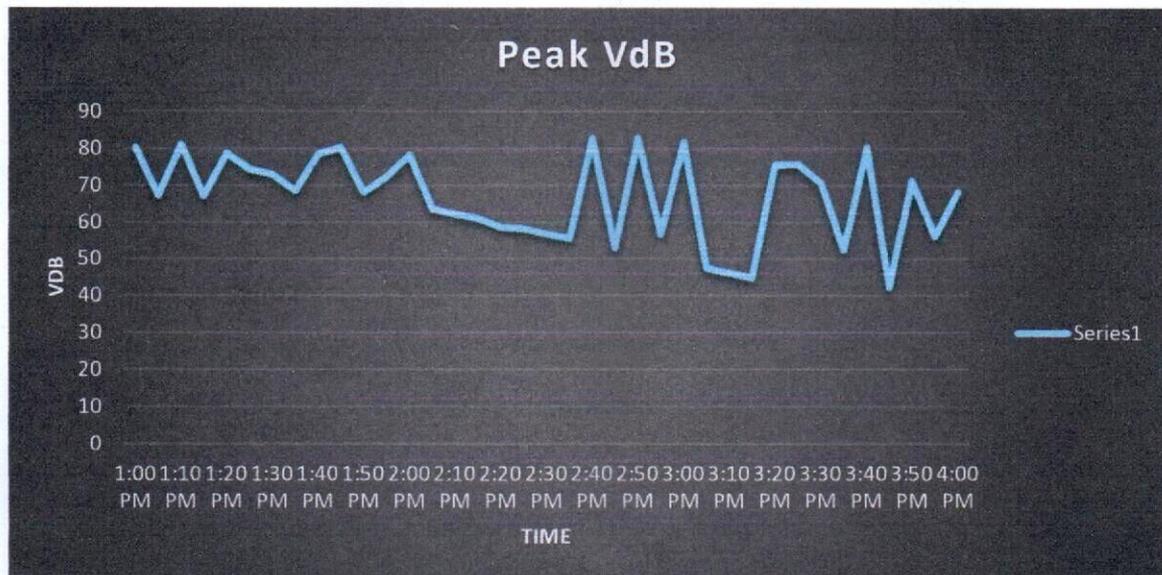


Figure:- Peak In VdB of 3 hrs

Table-02 (R): Induced Vibration Level During 3 hrs.

Name of Location	Category	Peak in mm/s(Min)	Peak in mm/s(Max)	Peak in mm/s(Avg)
Kharkhari (200 Mtr. From DFC Rail Track)	Ground	0.3	1.7	0.68

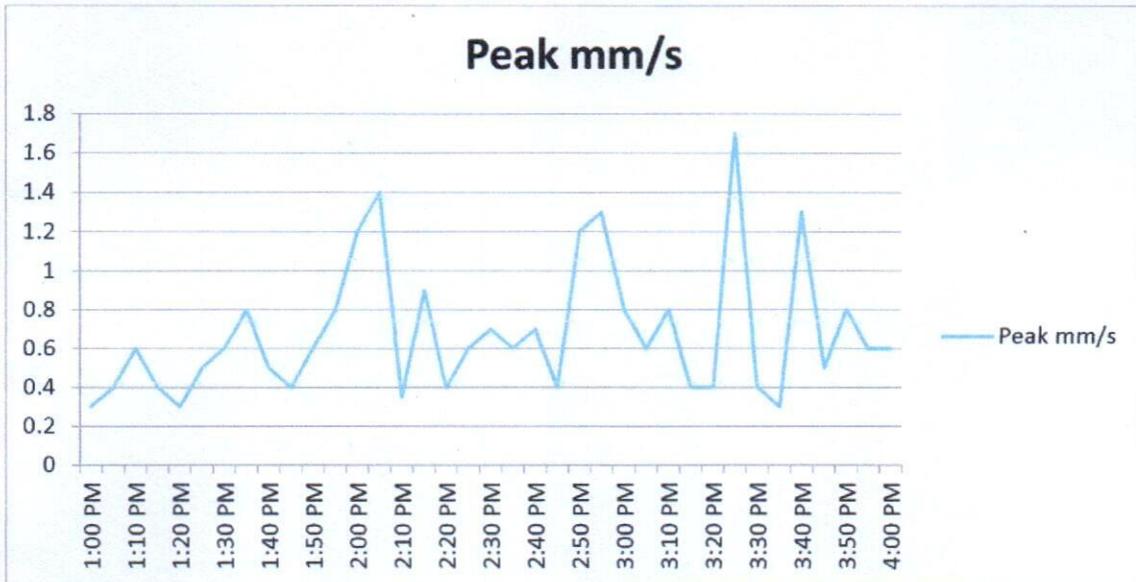


Figure:- Peak In MM/S of 3 hrs

Table-03 (R): Induced Vibration Level During 3 hrs.

Name of Location	Category	Frequency HZ(Min)	Frequency HZ(Max.)	Frequency HZ(Avg.)
Kharkhari(200 Mtr. From DFC Rail Track)	Ground	40.5	51.8	44.52

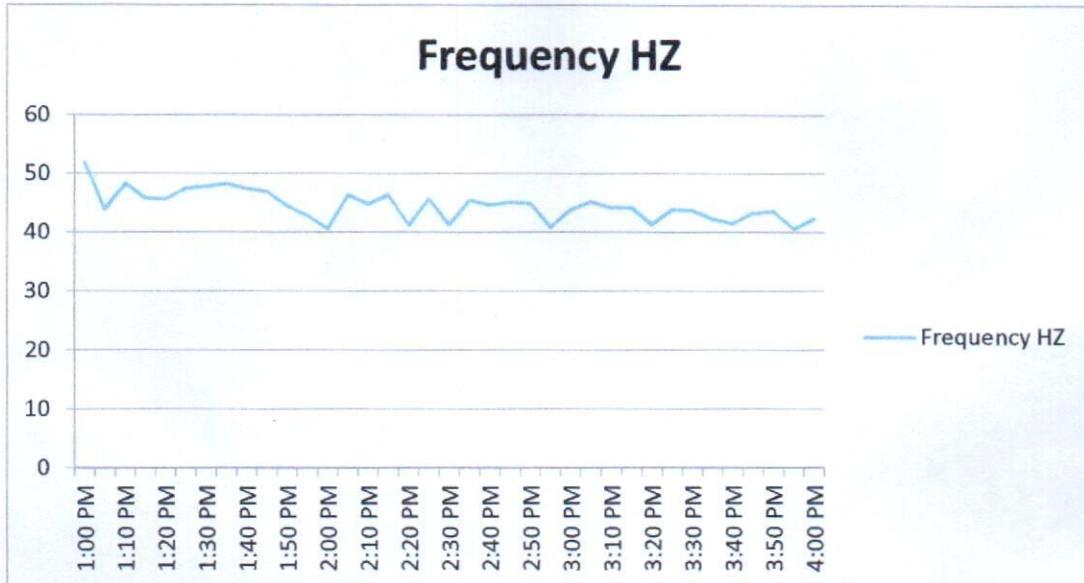


Figure:- Peak In HZ of 3 hrs

Table-01 (T) : Induced Vibration Level During 3 hrs.

Sr. No.	Name of Location	Category	VdB (Max.)	VdB(Min)	VdB(Avg.)
1	Kharkhari(200 Mtr. From DFC Rail Track)	Ground	82.8	42.3	66.9

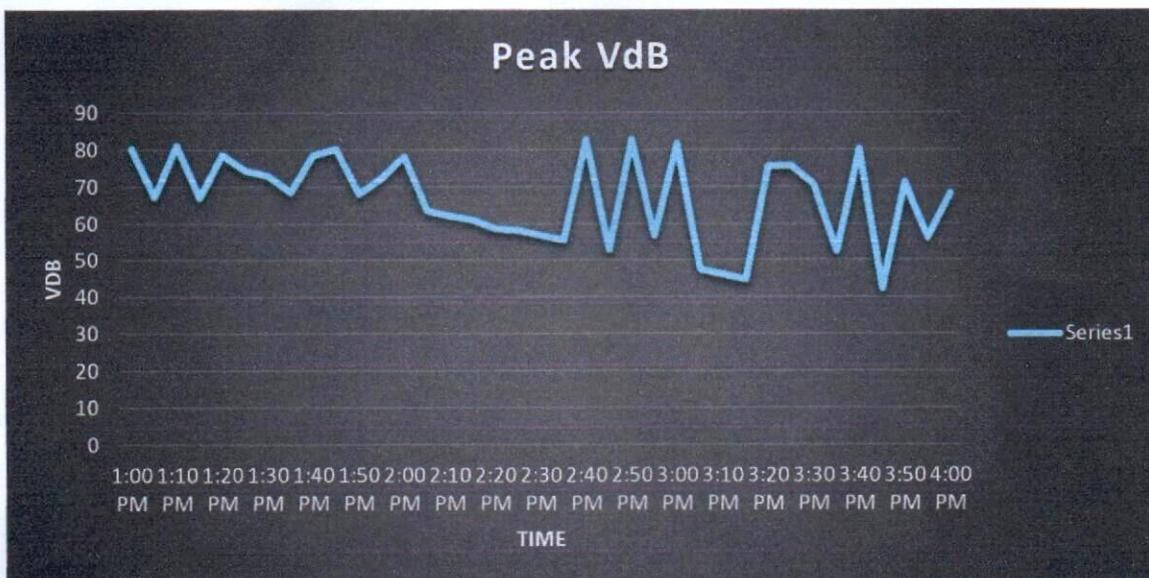


Figure:- Peak In VdB of 3 hrs

Table-02 (T): Induced Vibration Level During 3 hrs.

Name of Location	Category	Peak in mm/s(Min)	Peak in mm/s(Max)	Peak in mm/s(Avg)
Kharkhari(200 Mtr. From DFC Rail Track)	Ground	0.3	1.7	0.72

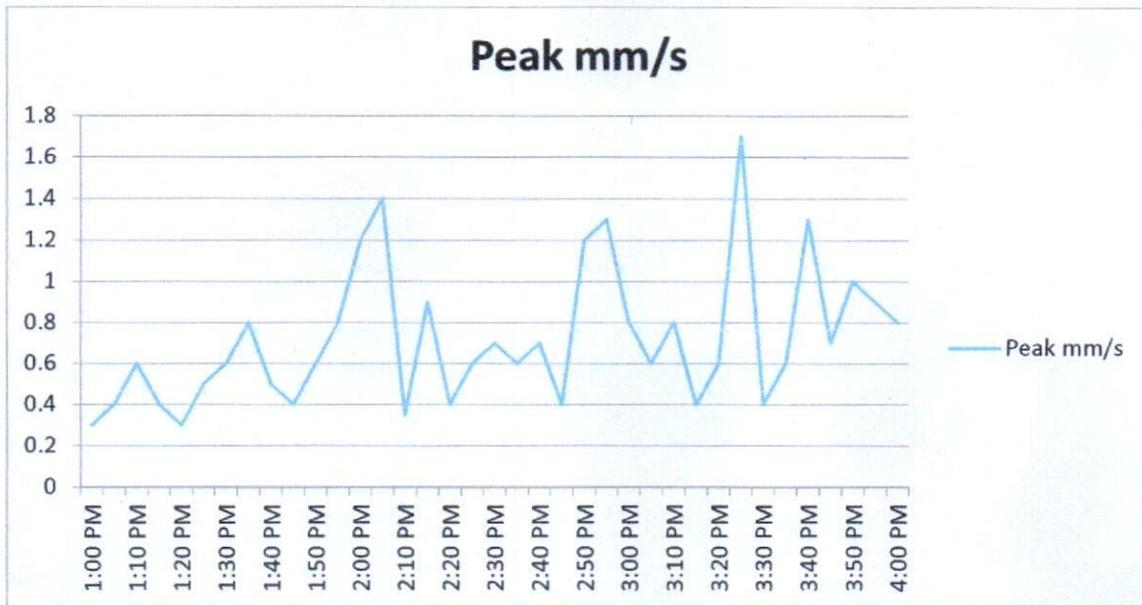


Figure:- Peak In MM/S of 3 hrs

Table-03 (T): Induced Vibration Level During 3 hrs.

Name of Location	Category	Frequency HZ(Min)	Frequency HZ(Max.)	Frequency HZ(Avg.)
Kharkhari(200 Mtr. From DFC Rail Track)	Ground	40.6	51.8	44.76

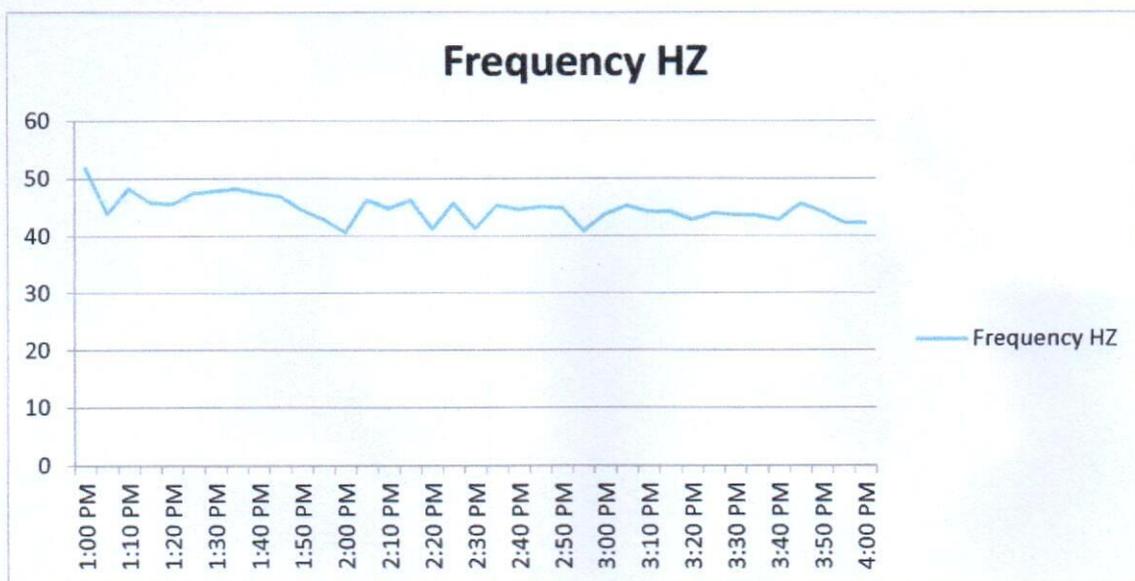


Figure:- Peak In HZ of 3 hrs

Table-01 (V) : Induced Vibration Level During 3 hrs.

Sr. No.	Name of Location	Category	VdB (Max.)	VdB(Min)	VdB(Avg.)
1	Kharkhari(200 Mtr. From DFC Rail Track)	Ground	82.8	42.3	66.9

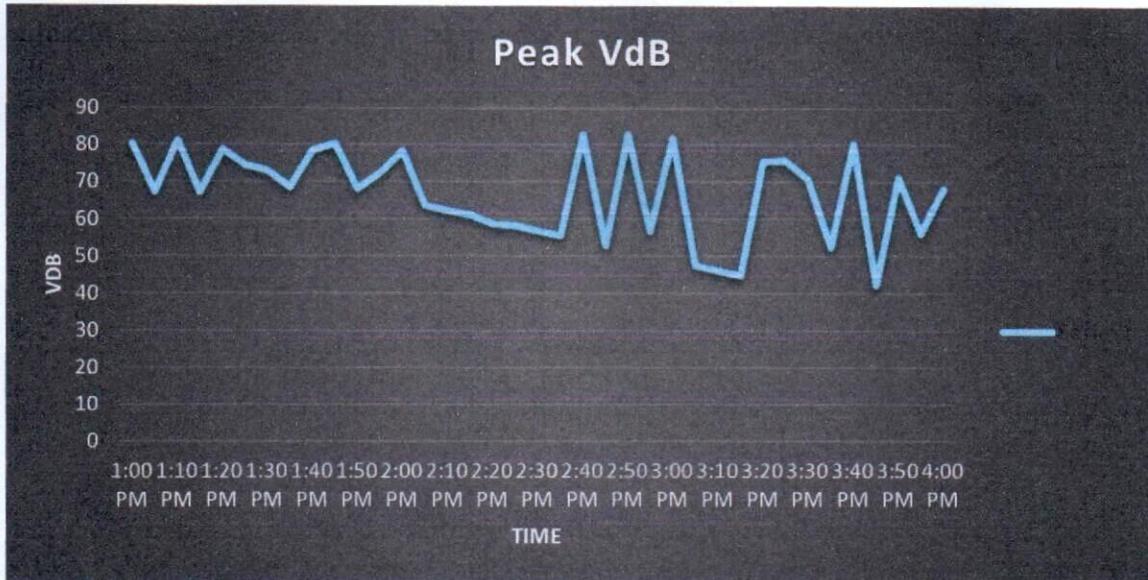


Figure:- Peak In VdB of 3 hrs

Table-02 (V): Induced Vibration Level During 3 hrs.

Name of Location	Category	Peak in mm/s(Min)	Peak in mm/s(Max)	Peak in mm/s (Avg)
Kharkhari(200 Mtr. From DFC Rail Track)	Ground	0.4	1.7	0.75

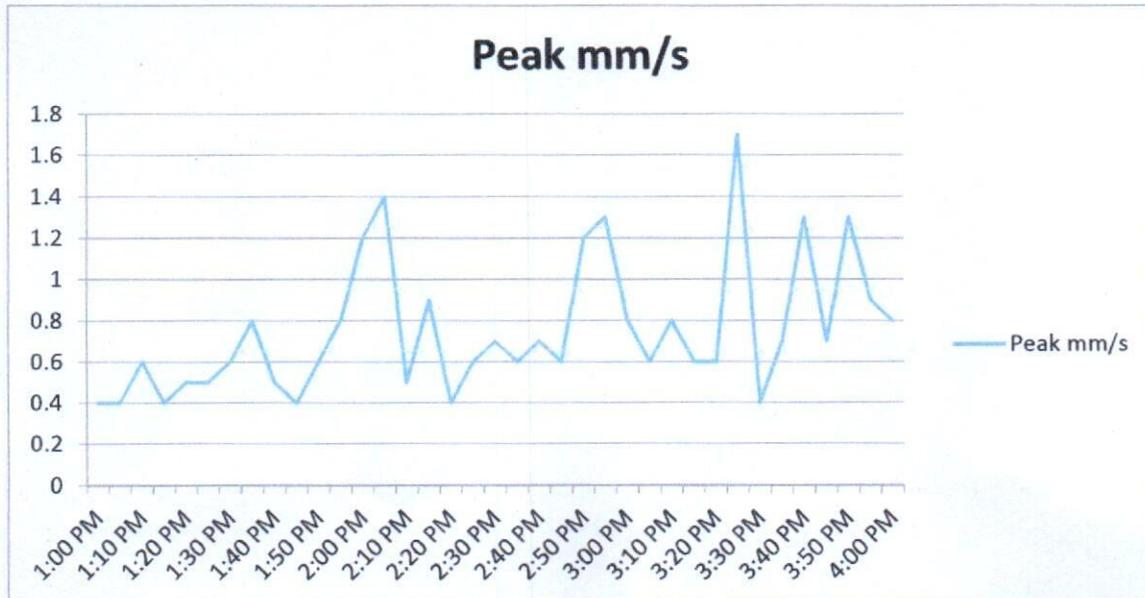


Figure:- Peak In MM/S of 3 hrs

Table-03 (V): Induced Vibration Level During 3 hrs.

Name of Location	Category	Frequency HZ(Min)	Frequency HZ(Max.)	Frequency HZ(Avg.)
Kharkhari(200 Mtr. From DFC Rail Track)	Ground	40.5	51.8	44.52

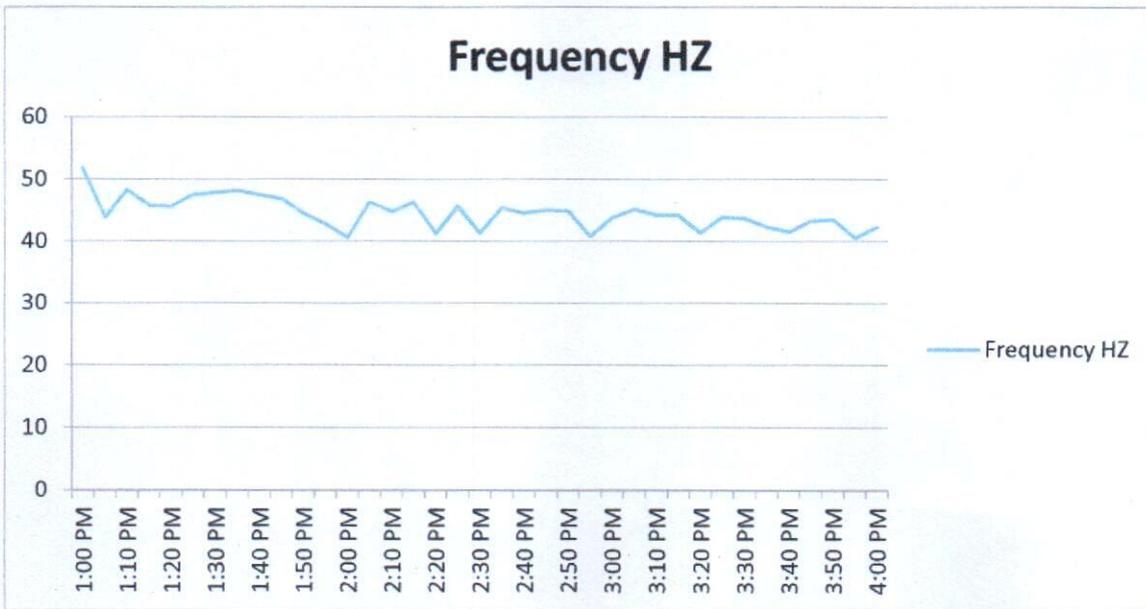


Figure:- Peak In HZ of 3 hrs



LIST OF NEW LANDOWNERS

Competent Authority for Land Acquisition (CALA)

1. Gurugram
2. Sohna
3. Pataudi
4. Palwal
5. Nuh
6. Jhajjar
7. Sonipat

From

Sub Divisional Officer (Civil)-Cum-
Competent Authority (LA),
Gurugram.

To

The General Manager/Project,
HRIDC, Gurugram, IRCON building
Plot No.16, Sector-32, Gurugram-122001.
Email ID:-horc.spv@gmail.com.

No.

Dated-

Subject:- Land acquisition in connection with Haryana Orbital Rail Corridor (HORC) project from Palwal to Sonapat as Special Railway Project.

Please refer to your office letter No.HRIDC/HORC/LA/GGN/2020/2860 dated-09/08/2024 received in this office on dated-12/08/2024, vide which it has been directed to prepare a (i) list of common landowners whose land has been acquired earlier and as well as for additional land acquisition and (ii) list of new land owners in additional land acquisition in the prescribed format, the same has been prepared as per Awards already announced on dated-11/04/2022, 27/03/2023 & 11/12/2023, which are attached herewith for further necessary action please.

Enclosure:- As mentioned above.

Sub Divisional Officer (Civil)-Cum-
Competent Authority (LA),
Gurugram



List of landowners whose land acquired for HORC Project.

Sr. No.	Village	Additional Land Acquisition 1 & 2 (Award dated-27/03/2023 & 11/12/2023)	
		Common Land Owners	New Land Owner
1.	Baghanki	<ol style="list-style-type: none"> 1. Kela Wd/o Mahavir 2. Raj Singh S/o Mahavir 3. Jitender S/o Mahavir 4. Mukesh D/o Mahavir 5. Rohtash S/o Sher Singh 6. Jagdish S/o Sher Singh 7. Satbir S/o Sher Singh 8. Satpal S/o Sher Singh 9. Bhim Singh S/o Chander Singh 10. Ajit Singh S/o Chander Singh 11. Devinder S/o Chander Singh 12. Lilat D/o Naresh Kumar 13. Suman D/o Naresh Kumar 14. Poonam D/o Naresh Kumar 15. Ved Parkash S/o Sher Singh 16. Prem Lata W/o Rambir 17. Poonam W/o Bijender Yadav 18. Lalit S/o Rajkumar 19. Kuldeep S/o Rajkumar 20. Navneet S/o Jitender 21. Abhay Singh S/o Ram Niwas 	No New name in additional land acquisition.
2.	Chandla Dungarwas	<ol style="list-style-type: none"> 1. Savita Wd/o Vijaypal 2. Akash Yadav S/o Vijaypal 3. Aarti D/o Vijaypal 4. Jyoti D/o Vijaypal 5. Ankit Rao S/o Mahender 6. Badri Bhagar Jhandewala Temple Society 7. Lakhmichand S/o Mamraj 8. Ram Mehar S/o Mamraj 9. Karan Singh S/o Sube Singh 10. Civil Panchayat Deh 11. Chiranji S/o Pratap Singh 	No New name in additional land acquisition

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		<p>12. Sarwan W/o Rameswar 13. DheeraJ S/o Rameswar 14. Vijaypal S/o Ram Kishan 15. Mahabir S/o Ram Kishan 16. Subhash Chander S/o Ram Kishan 17. M/s Silver Lake Realtors Pvt. Ltd.</p>	
3.	Kukrola	<p>1. Sobha Devi D/o Shimbhu Singh 2. Asharfi Devi D/o Shimbhu Singh 3. Ishwar S/o Nihal Singh 4. Mukhpal S/o Nihal Singh 5. Sanjay S/o Dharampal 6. Rajeev S/o Darampal 7. Suresh Yadav S/o Shishpal 8. Naresh Yadav S/o Shishpal 9. Sumer S/o Bhagmal 10. Kuldeep Yadav S/o Samay Singh 11. Rajender Yadav S/o Samay Singh 12. Rohtash Singh S/o Jaimal Singh 13. Ravinder Kumar S/o Jaimal Singh 14. Satish Kumar S/o Jaimal Singh 15. Santosh D/o Jaimal Singh 16. Janter Devi W/o Ratan Singh 17. Deepak Yadav S/o Ratan Singh 18. Divya Ydav D/o Ratan Singh 19. Kailash Chand S/o Dalip 20. Bijender Kumar S/o Dalip 21. Maya Wd/o Subhash Chand 22. Arun S/o Subhash</p>	No New name in additional land acquisition

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		<p>Chand</p> <p>23. Anjana D/o Subhash Chand</p> <p>24. Suman D/o Mahipal</p> <p>25. Sunita Wd/o Vijaypal</p> <p>26. Alka D/o Vijaypal</p> <p>27. Jyoti D/o Vijaypal</p> <p>28. Naraini Devi Wd/o Roshan Lal</p> <p>29. Poonam D/o Roshan Lal</p> <p>30. Samoti Devi Wd/o Ranbir</p> <p>31. Urmila Yadav D/o Ranbir</p> <p>32. Sharmila Devi D/o Ranbir</p> <p>33. Ajeet S/o Ranbir</p> <p>34. Anil S/o Ranbir</p> <p>35. Tejpal S/o Mahipal</p> <p>36. Maharaj Singh S/o Mahipal</p> <p>37. Sardar Singh S/o Mahipal</p> <p>38. Hemchand S/o Roshan Lal</p> <p>39. Rajender S/o Roshan</p>	
4.	Fakharpur	N/A	<p>1. Kawal Singh S/o Dalip Singh</p> <p>2. Inder Singh S/o Ranjeet Singh</p> <p>3. Vijay Yadav S/o Uday Singh</p>
5.	Mokalwas	<p>1. Rajpal S/o Surja Alias Surajbhan</p> <p>2. Rai Singh S/o Surja Alias Surajbhan</p> <p>3. Deep Chand S/o Surja Alias Surajbhan</p> <p>4. Rajbir S/o Surja Alias Surajbhan</p> <p>5. Rai Narain S/o Surja Alias Surajbhan</p> <p>6. Dhankor D/o Ram Parshad</p>	No New name in additional land acquisition

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		<p>7. Savitri D/o Ram Parshad</p> <p>8. Bhoop Singh S/o Ram Parshad</p> <p>9. Rai Singh S/o Ram Parshad</p> <p>10. Jagmal S/o Ram Parshad</p> <p>11. Kartar alias Lala S/o Ram Parshad</p> <p>12. Virender S/o Munshi Ram</p> <p>13. Jwala Devi Wd/o Ishwar Singh</p> <p>14. Suresh Kumar S/o Ishwar Singh</p> <p>15. Naresh Kumar S/o Ishwar Singh</p> <p>16. Urmila Devi D/o Ishwar Singh</p> <p>17. Rajender S/o Munshi Ram</p> <p>18. Chameli Devi D/o Munshi Ram</p> <p>19. Kamla Devi D/o Munshi Ram</p> <p>20. Hukam Singh S/o Randhir Singh</p> <p>21. Rajesh Kumari D/o Randhir Singh</p> <p>22. Dharmila Wd/o Randhir Singh</p> <p>23. Om Parkash S/o Surjeet</p> <p>24. Ramotar Singh S/o Badan Singh</p> <p>25. Mahabir S/o Ram Swaroop</p> <p>26. Manju D/o Rampat</p> <p>27. Sharla D/o Rampat</p> <p>28. Rajesh D/o Rampat</p> <p>29. Shanti Devi Wd/o Rampat</p> <p>30. Ram Kishan S/o Mangtu</p> <p>31. Jai Devi D/o Mangtu</p> <p>32. Murti D/o Mangtu</p>	
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		<p>33. Usha Wd/o Ajay Kumar 34. Harish S/o Ajay Kumar 35. Lawliya D/o Ajay Kumar 36. Sangeeta D/o Sushila 37. Reena D/o Shushila 38. Ranjeeta D/o Shushila 39. Lali Devi Wd/o Jile Singh 40. Sanjay S/o Jile singh 41. Balwan S/o Jile singh 42. Sushma D/o Jile singh 43. Lata D/o Jile singh 44. Ramesh Devi Wd/o Abhey Singh 45. Jyoti D/o Abhey Singh 46. Surender Singh S/o Abhey Singh 47. Jitender S/o Abhey Singh 48. Kamla Devi Wd/o Sube Singh 49. Kailash D/o Sube Singh 50. Rajesh S/o Sube Singh 51. Rakesh S/o Sube Singh 52. Amit Kumar S/o Ramotar 53. Ajay Yadav S/o Ramotar 54. Madhu D/o Rampat 55. Ajay Kumar S/o Sushila</p>	
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Office of Sub Divisional Officer (Civil)-Cum-Competent
Authority (LA), Sohna, Gurugram

Old Judicial Complex, Anaj Mandi, Sohna
Tel: 0124-2395042 E-Mail: sdm.southgrg-hry@gov.in



To,

General Manager,
HRIDC, IRCON International,
Tower-2, Plot No.-16, Sector-32, Gurugram

No. **795** /LAC Dated **04.09.2024**

Subject: Land Acquisition for the Special Railways Project "Haryana Orbital Rail Corridor (HORC) Project from Palwal to Sonipat via Sohna, Manesar and Kharkhoda" New Broad-Gauge Double Rail Line- **ESIA report.**

Reference: Your office letter No. HRIDC/HORC/LA/Sohna/2020/2859 dated 09.08.2024.

Please refer to your office letter under reference relating to the subject cited above.

The requisite information is sent herewith as under:

Sr.No.	Village	Land Owners in Initial Award	Additional Land Acquisition 1 & 2		
			Common Land Owners	New Land Owners (1 st Addl.)	New Land Owners (2 nd Addl.)
1.	Ratikanoabad	95	15	00	Award not Yet announced
2.	Khuntpuri	69	00	00	
3.	Silani	16	02	00	
4.	Karanki	179	130	20	
5.	Sancholi	133	15	10	
Total		492	162	30	

The details of Common and New Land owners in 1st Additional award are also enclosed herewith for information and necessary action please.

M. Kumar 4-9-24
Sub Divisional Officer (C)-Cum-
Competent Authority-LA (HORC),
Sohna (Gurugram)

Details of Land Owners pertaining to the additional land acquired for HORC project

Village Ratika Noabad

SR no.	Common Land Owners of Initial Award Dated 25.07.2022 & 1st Addl. Award Dated 18.01.2024	New Land Owners of 1st Addl. Award Dated 18.01.2024
1	Asha Devi widow Virender Singh	Nil
2	Lakshya Yadav S/o Parveen	
3	Naveen Kumar S/o Surajmal	
4	Nirmla Devi D/o Sodan Singh	
5	Rajni D/o Partap Singh	
6	Rama Devi W/o Satish Kumar Yadav	
7	Raman S/o Virender Singh	
8	Rati widow Surajmal	
9	Sonu S/o Virender Singh	
10	Subham Yadav S/o Parveen	
11	Sunil Kumar S/o Surajmal	
12	Sunita D/o Surajmal	
13	Sushil Kumar Yadav S/o Satish Kumar	
14	Urmila W/o Partap Singh	
15	Vikrant S/o Partap Singh	

Village Silani

SR no.	Common Land Owners of Initial Award Dated 25.07.2022 & 1st Addl. Award Dated 18.01.2024	New Land Owners of 1st Addl. Award Dated 18.01.2024
1	Gram Panchayat vasideh	Nil
2	M/s J.K L Power Engineering Pvt. Ltd.	

Village Karnki

SR no.	Common Land Owners of Initial Award Dated 25.07.2022 & 1st Addl. Award Dated 18.01.2024	New Land Owners of 1st Addl. Award Dated 18.01.2024
1	Achal S/o Joginder Singh	Asha Ram Tek Ram Educational Trust
2	Achootanand Sethi S/o Purshotam Sethi	Bharpai widow Jaswant Singh
3	Ajay Kumar S/o Ganesh Mehta	Birma Devi W/o Jagram
4	Akhtari Khatoon W/o Ashwar Ali	Chanderpal S/o Raman Singh
5	Amit Kumar S/o Rohtash	Gaurav S/o Birender Kumer
6	Anand Kumar S/o Rambilavanram	Gautam S/o Virender Singh
7	Anil Bhalla S/o Rajkumar Bhalla	Jiwan Adhikari S/o Dinesh Adhikari
8	Anita Devi W/o Anoop Singh	Kapil S/o Ramkishan
9	Anita Saraswat W/o Durgesh Saraswat	Nardev S/o Jaswant Singh
10	Anju Choudhary widow Virender Singh	Sabha Parveen W/o Mohammad Basir
11	Babita W/o Roshan Lal	Satpal S/o Jabruram
12	Babli W/o Shiv Kumar	Sehdev S/o Jaslal
13	Bhupesh S/o Bijender Singh	Vineet S/o Jaswant Singh
14	Bijender Singh S/o Bidhu	Virender S/o Bidhu
15	Bimla W/o Nitya ram	Barun Kumar S/o Mahender
16	Deepak Trinki S/o Alexgender	Deepak S/o Ramkishan
17	Devender S/o Rajender Singh	Manshuk S/o Chetram
18	Devinder Kumar S/o Uday Singh	Ravinder Kumar S/o Raman Singh
19	Dhakeli widow Mahender Singh	Satbir Singh S/o Tekram
20	Dharampal S/o Sharvan Kumar	Sudesh D/o Jaswant Singh
21	Dharamwati D/o Mahender Singh	
22	Dheeraj Singh Tanwar S/o Shodan Singh	
23	Dhruv Parsad S/o Bacchi Ram	
24	Fulani Charausiya D/o Badri Chaurasiya	
25	Gayatri Devi W/o Brijesh Kumar	
26	Geeta Rani W/o Geeteshwar Saini	
27	Giriraj Kishor S/o Laxminarayan Gupta	
28	Govind Lal S/o Diwani Lal	

29	Gram Panchayat Karanki vasideh	
30	Hariom Goswami S/o Shivdayal	
31	Haryana Sarkar	
32	Inderpal Singh S/o Gajraj Singh	
33	Indu Devi W/o Sanjay Sharma	
34	Jagbir Singh S/o Bidhu	
35	Jaigopal Singh S/o Tejpal Singh	
36	Jasrati widow Girraj	
37	Jasvinder Kaur W/o Kanwaljeet Singh	
38	Kailash Chand S/o Shiv Shiv Shankar	
39	Kalindi W/o Vijay Shankar	
40	Kamla W/o Balwant	
41	Kamlesh D/o Mahender Singh	
42	Kanchan Rani D/o Arun Kumar	
43	Kanta Kumari widow Rohtash Singh	
44	Karambir S/o Bijender Singh	
45	Kartar Singh S/o Sulatan Singh	
46	Krishna D/o Mahender Singh	
47	Krishna Devi W/o Harikant Sharma	
48	M/s AL Finance Ltd.	
49	M/s Dalars Pvt. Ltd Finance Pvt. Ltd	
50	M/s NKV Farms and Developers Pvt. Ltd.	
51	Madan Singh S/o Mahender Singh	
52	Madhuri Devi W/o Deepak Kumar	
53	Mahender Parsad S/o Bacchi Ram	
54	Mahesh Kumar S/o Raman	
55	Manju W/o Phool Singh	
56	Meera Maurya W/o Manoj Kumar	
57	Meera Singh W/o Manohar Singh	
58	Mihir Kumar Vishwas S/o Makhan Lal	
59	Mitlesh D/o Mahender Singh	
60	Mohammad Firoj S/o Mohammad Kalim	
61	Mohammad Jaffar S/o Hayasudeen Ansari	
62	Mukesh Kumar S/o Ramakant Singh	
63	Mukesh Kumar S/o Rohtash Singh	
64	Mukesh S/o Jagbir Singh	
65	Narbir S/o Bijender Singh	
66	Neetu Devi W/o Harender Parsad Singh	
67	Neha Chopra D/o Anil Chopra	
68	Neha Kasaniya W/o Abhinav Sharma	
69	Nisha Chaudhary D/o Virender Singh	
70	Partap S/o Jagbir Singh	
71	Parveen Khanna S/o Gulshan Khanna	
72	Parveen S/o Deshraj	
73	Pinki Devi W/o Jarman Singh	
74	Pooja Pandey W/o Amit Pandey	
75	Pooja W/o Bijender Singh	
76	Poonam W/o Parveen Sharma	
77	Poonam W/o Rajender Kumar	
78	Pramod Kumar Shah S/o Shankar Kumar Shah	
79	Preet Kumar S/o Rohtash	
80	Premjit S/o Deshraj	
81	Priyanka Chaudhary D/o Virender Singh	
82	Purnima Devi W/o Umesh Rao	
83	Pushpa Kumar W/o Deshraj Singh	
84	Raghuparsad S/o Manney	
85	Ragvender S/o Shivdayal	
86	Rahul Saraswat S/o Avinash Chand Saraswat	
87	Rajkumari W/o Gulab Chand Verma	
88	Rajkumari W/o Rajesh	
89	Rajkumari W/o Yogesh	
90	Rakesh Kumar S/o Rohtash Singh	
91	Rambaliram W/o Babanraj	
92	Ramkali W/o Rampal	
93	Randhir Singh Tanwar S/o Shodan Singh	
94	Ravinder Das S/o Satnarayan	

95	Ravinder Kumar S/o Uday Singh	
96	Reeta Devi D/o Subash Shah	
97	Renu Chaurasiya W/o Suraj Kumar	
98	Rinku Devi W/o Manoj Sharma	
99	Saara Devi W/o Devki Rajjak	
100	Sanjeev Tripathi S/o Sunil Tripathi	
101	Sanju Ram S/o Bhawadeen Rao	
102	Santosh Kumar Choudhary S/o Shayam Kumar Choudhary	
103	Saraswati Vishwas W/o Mihir Kumar Vishwas	
104	Sardaram S/o Girraj	
105	Satbir S/o Ram Saroop	
106	Satish Kumar S/o Rajender Parsad	
107	Savita D/o Tekram	
108	Savitri Devi W/o Girjanand Singh	
109	Seema W/o Jitender	
110	Shabram Parveen Mohammad Akbar Shek D/o Mohammad Shek	
111	Shiv Kumar S/o Moti	
112	Shiv Kumari W/o Nagender Shah	
113	Shushila W/o Ayodhya Parsad	
114	Sonu Kumar S/o Suresh Kumar	
115	Sudhir Singh Tanwar S/o Shodan Singh	
116	Sumer S/o Girraj	
117	Sunita W/o Siyaram	
118	Sunita Yadav W/o Abhay Kumar Yadav	
119	Suraj Dhamir S/o Amar Dhamir	
120	Surender S/o Uday Singh	
121	Usha Rani W/o Ashok Kumar	
122	Vedpal S/o Sohan Pal	
123	Vineet Kumar Mishra S/o Anil Kumar Mishra	
124	Vineeta Devi W/o Vijay Singh	
125	Vinod Kumar S/o Rajender Singh	
126	Virender Singh S/o Ram Saroop	
127	Vishal Chaudhary S/o Virender Singh	
128	Yashdev Bhardwaj S/o Yagya Dev Sharma	
129	Yashvir S/o Joginder Singh	
130	Yograj S/o Rajender Singh	

Village Sancholi

SR no.	Common Land Owners of Initial Award Dated 25.07.2022 & 1st Addl. Award Dated 18.01.2024	New Land Owners of 1st Addl. Award Dated 18.01.2024
1	Abodh S/o Antram	Dheeraj S/o Ratan Singh
2	Dharamwati W/o Bir Singh	Dhola Devi W/o Shripal
3	Gajraj Singh S/o Deshraj	Kamla W/o Ramkaran
4	Geeta W/o Ompal	Kanika D/o Kehar Singh
5	Jagdish S/o Inderbhan	Komal Kadam D/o Kehar Singh
6	Kamlesh W/o Ramkishan	Neeraj Kadam S/o Kehar Singh
7	Krishan S/o Inderbhan	NHAI Govt. of India
8	Manish S/o Dhaniram Urf Dhaniram	Panchayat Deh
9	Manohar Lal S/o Inderbhan	Rajni Devi widow Kehar Singh
10	Naresh Kumar S/o Attar Singh	Ramesh Kumar S/o Hattiram
11	Sandeep Tanwar S/o Dhaniram Urf Dhaniram	
12	Sarita W/o Ashok	
13	Satpal S/o Jahariya	
14	Subash S/o Antram	
15	Sushila Devi W/o Shamanand	

NKumar 4/9/24
 Sub Divisional Officer (C) Cum-
 Competent Authority-LA (HORC),
 Sohna (Gurugram)

LIST OF NEW LANDOWNERS

CALA-PATAUDI

DIST-GURUGRAM

Sr. No.	Village	Additional Land Acquisition 1 & 2 (Award Dated 27.05.2022 & 10.01.2024)	
		Common Land Onwerns	New Land Owners
1	BABRA BAKIPUR	MUNESH KUMAR S/O ISHWAR	
2		SHARBATI W/O PYARELAL	
3		NARESH KUMAR S/O VEDPRAKASH	
4		POONAM W/O MAHESH KUMAR	
5		RAJENDER S/O PYARELAL	
6		BIRSINGH S/O PYARELAL	
7		PHOOLPATI MATA SURJEET	
8		DINESH S/O AJIT SINGH	
9		VEDO RANI D/O ISHWAR	
10		ROSHNI WIDOW ISHWAR SINGH	
11		CHAND KAUR MATA DHARAM SINGH	
12		VIJAYPAL S/O DHARAM SINGH	
13		JAIVEER S/O DHARAM SINGH	
14		KULDEEP YADAV S/O RAJPAL	
15		PRIYA YADAV D/O RAJPAL	
16		MUNESH WIDOW RAJPAL	
17		SONA DEVI WIDOW AJIT SINGH	
18		RAVINDER S/O PRADHAN SINGH	
19		SATVIR S/O MOHAR KAUR	
20		DHARAM SINGH S/O MOHAR KAUR	
21		JASWANT S/O MOHAR KAUR	
22		VED PRAKASH S/O MOHAR KAUR	

23	BABRA BAKIPUR	KAMLA DEVI D/O MOHAR KAUR	
24		SUNDER DEVI D/O MOHAR KAUR	
25		KARAMBIR S/O SAJJAN SINGH	
26		PINKI D/O SAJJAN SINGH	
27		KAMLESH WIDOW SAJJAN SINGH	
28		KAMLA WIDOW RAJENDER SINGH	
29		KULDEEP S/O RAJENDER	
30		YASHPAL S/O RAJENDER	
31		BIMLA D/O RAJENDER	
32		SAROJ D/O RAJENDER	
33		PUNNI D/O RAJENDER	
34		MUKESH DEVI WIDOW ASHOK	
35		VISHAL S/O ASHOK	
36		SHEETAL D/O ASHOK	
37		SANTOSH WIDOW PRAKASH	
38		MOTILAL S/O PRAKASH	
39		NILAM D/O PRAKASH	
40		SUMANLATA D/O PRAKASH	
41		SHANTI WIDOW KEHAR SINGH	
42		DHARAMBIR S/O KEHAR SINGH	
43		SHAKUNTLA D/O KEHAR SINGH	
44		DAYA D/O KEHAR SINGH	
45		JAGMAL SINGH S/O MANBHARI D/O AMILAL	
46		SURAJBHAN S/O MANBHARI	
47		BHARPAI D/O MANBHARI	
48		MAHIPAL S/O ISHWAR SINGH	
49		DHARMPAL S/O RANJIT	
50		PHOOLBATI WIDOW DALJEET	
51		VIJAY URF BABAL S/O DALJEET	
52		KRISHANA D/O DALJEET	
53		NEELAM D/O DALJEET	

Sr. No.	Village	Additional Land Acquisition 1 & 2 (Award Dated 27.05.2022 & 10.01.2024)	
		Common Land Onwerns	New Land Owners
1	JHANJHROLA	RATAN SINGH S/O NIHAL SINGH	
2	JHANJHROLA	DEEPANSHU S/O HANSRAJ	
3	JHANJHROLA	DIKSHANT S/O HANSRAJ	
4	JHANJHROLA	ANITA D/O JILE SINGH	
5	JHANJHROLA	VIRENDER S/O JILE SINGH	
6	JHANJHROLA	NARENDER S/O JILE SINGH	
7	JHANJHROLA	GANGA DEVI W/O LT. JILE SINGH	
8	JHANJHROLA	JAGDISH S/O BHOOP SINGH	
9	JHANJHROLA	PAWAN S/O SATYA NARAYAN	
10	JHANJHROLA	POOJA D/O SATYA NARAYAN	
11	JHANJHROLA	SHRI KISHAN S/O JAGMAL	
12	JHANJHROLA	DHANIRAM S/O MANGAL SINGH	
13	JHANJHROLA	RATAN SINGH S/O NIHAL SINGH	
14	JHANJHROLA	SAVITA DEVI W/O SHRI KISHAN	
15	JHANJHROLA	ANITA D/O JILE SINGH	
16	JHANJHROLA	JAGDISH S/O BHOOP SINGH	
17	JHANJHROLA	SHARMILA W/O LT. HANSRAJ	
18	JHANJHROLA	DEEPANSHU S/O HANSRAJ	
19	JHANJHROLA	DIKSHANT S/O HANSRAJ	
20	JHANJHROLA	PAWAN S/O SATYA NARAYAN	
21	JHANJHROLA	POOJA D/O SATYA NARAYAN	
22	JHANJHROLA	URMILA W/O LT. BHAGWANA	
23	JHANJHROLA	AJEET SINGH S/O BHAGWANA	
24	JHANJHROLA	SUKHBIR SINGH S/O BHAGWANA	
25	JHANJHROLA	DHARAMBIR SINGH S/O BHAGWANA	
26	JHANJHROLA	KARAMBIR S/O BHAGWANA	

27	JHANJHROLA	PRAVEEN S/O BHAGWANA	
28	JHANJHROLA	MOHAN S/O BHAGWANA	
29	JHANJHROLA	REKHA DEVI D/O BHAGWANA	
30	JHANJHROLA	SATISH S/O DHANIRAM	
31	JHANJHROLA	ANIL S/O DHANIRAM	
32	JHANJHROLA	RATAN SINGH S/O NIHAL SINGH	
33	JHANJHROLA	ANITA D/O JILE SINGH	
34	JHANJHROLA	VIRENDER KUMAR S/O JILE SINGH	
35	JHANJHROLA	NARENDER KUMAR S/O JILE SINGH	
36	JHANJHROLA	GANGA W/O LT. JILE SINGH	
37	JHANJHROLA	JAGDISH S/O BHOOP SINGH	
38	JHANJHROLA	SHARMILA W/O LT. HANSRAJ	
39	JHANJHROLA	DEEPANSHU S/O HANSRAJ	
40	JHANJHROLA	DIKSHANT S/O HANSRAJ	
41	JHANJHROLA	MAMAN SINGH S/O KISHAN LAL	
42	JHANJHROLA	KRISHAN S/O KISHAN LAL	
43	JHANJHROLA	ROHTASH SINGH S/O KISHAN LAL	
44	JHANJHROLA	RATAN SINGH S/O NIHAL SINGH	
45	JHANJHROLA	ANIL KUMAR S/O DHANIRAM	
46	JHANJHROLA	SATISH KUMAR S/O DHANIRAM	
47	JHANJHROLA	MAMAN SINGH S/O KISHAN LAL	
48	JHANJHROLA	KRISHAN S/O KISHAN LAL	
49	JHANJHROLA	ROHTASH SINGH S/O KISHAN LAL	
50	JHANJHROLA	VIRENDER KUMAR S/O JILE SINGH	
51	JHANJHROLA	NARENDER KUMAR S/O JILE SINGH	
52	JHANJHROLA	ANITA D/O JILE SINGH	
53	JHANJHROLA	GANGA DEVI W/O LT. JILE SINGH	
54	JHANJHROLA	MEER SINGH S/O HARI SINGH	
55	JHANJHROLA	SANT LAL YADAV S/O HARI SINGH	
56	JHANJHROLA	SURENDER SINGH S/O HARI SINGH	
57	JHANJHROLA	PAVITRA W/O LT. RAMPAL	
58	JHANJHROLA	ABHISHEK S/O RAMPAL	
59	JHANJHROLA	MANISH KUMAR S/O RAMPAL YADAV	

60	JHANJHROLA	MONIKA YADAV D/O RAMPAL YADAV	
61	JHANJHROLA	BRAHAM PARKASH S/O SHYO RAM	
62	JHANJHROLA	AMAN KUMAR S/O BALWAN SINGH	
63	JHANJHROLA	PAWAN KUMAR S/O BALWAN SINGH	
64	JHANJHROLA	RAMESH KUMAR S/O BALWAN SINGH	
65	JHANJHROLA	KAMLA W/O LT. BALWAN SINGH	
66	JHANJHROLA	BHIM SINGH S/O PATRAM	
67	JHANJHROLA	SURENDER SINGH S/O ROOP CHAND	
68	JHANJHROLA	BIRENDER KUMAR S/O ROOP CHAND	
69	JHANJHROLA	BIR SINGH S/O DEEP CHAND	
70	JHANJHROLA	KRISHAN S/O DEEP CHAND	
71	JHANJHROLA	SUBHASH S/O DEEP CHAND	
72	JHANJHROLA	VASUNDHRA D/O LAL SINGH	
73	JHANJHROLA	NARESH KUMAR S/O RAMESHWAR DAYAL	
74	JHANJHROLA	MUKESH KUMAR S/O RAMESHAWAR	
75	JHANJHROLA	KIRTI KUMAR YADAV S/O BALWANT	
76	JHANJHROLA	RAJ SINGH S/O SARDAR SINGH	
77	JHANJHROLA	RADHE S/O SARDAR SINGH	
78	JHANJHROLA	HARPAL S/O BANI SINGH	
79	JHANJHROLA	HAWA SINGH S/O BANI SINGH	
80	JHANJHROLA	RAVINDER S/O BANI SINGH	
81	JHANJHROLA	RAJPAL S/O RAMCHANDER	
82	JHANJHROLA	RAMANAND S/O RAMCHANDER	
83	JHANJHROLA	RAMPAL S/O RAMCHANDER	
84	JHANJHROLA	RAJSINGH S/O RAMCHANDER	
85	JHANJHROLA	DEVINDER S/O DHARAM SINGH	
86	JHANJHROLA	SATBIR S/O DAYARAM	
87	JHANJHROLA	JAIKISHAN S/O RAMKISHAN	
88	JHANJHROLA	GAJRAJ S/O HUKAM CHANDER	
89	JHANJHROLA	RAMANAND S/O HUKAM CHANDER	
90	JHANJHROLA	RAVINDER S/O GAJRAJ	
91	JHANJHROLA	BALVINDER KUMAR S/O GAJRAJ	
92	JHANJHROLA	CHANDER PRAKASH S/O GAJRAJ	

93	JHANJHROLA	POHAP SINGH S/O HARIKISHAN	
94	JHANJHROLA	RAMNIWAS S/O HARIKISHAN	
95	JHANJHROLA	RUPESH YADAV S/O SHISHPAL	
96	JHANJHROLA	ANJU YADAV D/O SHISHPAL	
97	JHANJHROLA	JASWANTI W/O LT. SHISHPAL	
98	JHANJHROLA	VIJAY KUMAR S/O SHYONARAYAN	
99	JHANJHROLA	INDRAWATI MATA DHARMENDER	
100	JHANJHROLA	JATIN S/O DHARMENDER	
101	JHANJHROLA	MONIKA D/O DHARMENDER	
102	JHANJHROLA	BABLI W/O LT. DHARMENDER	
103	JHANJHROLA	RAMESH S/O RAGHBIR	
104	JHANJHROLA	NARESH S/O RAGHBIR	
105	JHANJHROLA	DALIP SINGH S/O TULSIRAM	
106	JHANJHROLA	NARAYAN SINGH S/O TULSIRAM	
107	JHANJHROLA	NARESH KUMAR S/O TULSIRAM	
108	JHANJHROLA	RAMESH KUMAR S/O TULSIRAM	
109	JHANJHROLA	BRAHMA DEVI W/O LT. BHANWAR SINGH	
110	JHANJHROLA	MAHESH KUMAR S/O BHANWAR SINGH	
111	JHANJHROLA	BRAHMA DEVI W/O LT. BHANWAR SINGH	
112	JHANJHROLA	SATPAL S/O SHYONARAYAN	
113	JHANJHROLA	GOBIND S/O ATTAR SINGH	
114	JHANJHROLA	KAMJH MARLA	
115	JHANJHROLA	DHANIRAM S/O MANGAL SINGH	
116	JHANJHROLA	SHRI KISHAN S/O JAGMAL SINGH	
117	JHANJHROLA	SHARMILA W/O LT. HANSRAJ	
118	JHANJHROLA	DEEPANSHU S/O HANSRAJ	
119	JHANJHROLA	DIKSHANT S/O HANSRAJ	
120	JHANJHROLA	ANIL KUMAR S/O DHANIRAM	
121	JHANJHROLA	SATISH KUMAR S/O DHANIRAM	
122	JHANJHROLA	RAMKARAN S/O RAMSARUP	
123	JHANJHROLA	RAMPAL S/O RAMSARUP	
124	JHANJHROLA	JASWANT S/O RAMSARUP	
125	JHANJHROLA	NANDLAL S/O MUKHTEYAR SINGH	

126	JHANJHROLA	RAJPAL S/O MUKHTEYAR SINGH	
127	JHANJHROLA	RAMESH S/O JIYALAL	
128	JHANJHROLA	RAVI YADAV S/O JIYALAL	
129	JHANJHROLA	MANGERAM S/O LAKHMICHANDER	
130	JHANJHROLA	MAMAN SINGH S/O KISHAN LAL	
131	JHANJHROLA	RAMSARUP S/O BHOOP SINGH	
132	JHANJHROLA	MAHENDER S/O RAM SARUP	
133	JHANJHROLA	DEEPANSHU S/O HANSRAJ	
134	JHANJHROLA	DIKSHANT S/O HANSRAJ	
135	JHANJHROLA	SHARMILA W/O LT. HANSRAJ	
136	JHANJHROLA	SHARMILA W/O LT. HANSRAJ	
137	JHANJHROLA	MODEL ECONOMIC TOWNSHIP LTD.	
138	JHANJHROLA	KELA W/O KRISHAN	
139	JHANJHROLA	SANTRA W/O ROHTASH	
140	JHANJHROLA	RAMESH KUMAR S/O MAMAN	
141	JHANJHROLA	VED PRAKASH S/O MAMAN	
142	JHANJHROLA	NARESH KUMAR S/O MAMAN	
143	JHANJHROLA	PRAVEEN KUMAR S/O MAMAN	
144	JHANJHROLA	RAMESH KUMAR S/O BADLU	
145	JHANJHROLA	GOBIND S/O RAMPAL	
146	JHANJHROLA	MUKESH KUMAR S/O BADLU RAM	
147	JHANJHROLA	KAMLA D/O BHOOP SINGH	
148	JHANJHROLA	BIMLA D/O BHOOP SINGH	
149	JHANJHROLA	SANTOSH D/O BHOOP SINGH	
150	JHANJHROLA	MANOJ W/O MUKESH KUMAR	
151	JHANJHROLA	CHANDERBHAN S/O JAGRAM	
152	JHANJHROLA	RAJPAL S/O JAGRAM	
153	JHANJHROLA	JAGDEV S/O JAGRAM	
154	JHANJHROLA	RAMNATH S/O JAGRAM	
155	JHANJHROLA	SATISH S/O JAGRAM	
156	JHANJHROLA	BIRBAL S/O JAMANADASS	
157	JHANJHROLA	GIRIRAJ S/O JAMANADASS	
158	JHANJHROLA	DALIP SINGH S/O PARBHU DAYAL	

159	JHANJHROLA	KANTA DEVI W/O RAKESH KUMAR	
160	JHANJHROLA	SANJEEV KUMAR S/O RAKESH KUMAR	
161	JHANJHROLA	SANJITA D/O RAKESH KUMAR	
162	JHANJHROLA	CHANDERBHAN S/O JAGRAM	
163	JHANJHROLA	RAJPAL S/O JAGRAM	
164	JHANJHROLA	JAGDEV S/O JAGRAM	
165	JHANJHROLA	RAMNATH S/O JAGRAM	
166	JHANJHROLA	SATISH S/O JAGRAM	
167	JHANJHROLA	SAHAB RAM S/O SUMER SINGH	
168	JHANJHROLA	SUKHRAM S/O SUMER SINGH	
169	JHANJHROLA	LAKHPATI D/O SUMER SINGH	
170	JHANJHROLA	SANTOSH D/O SUMER SINGH	
171	JHANJHROLA	NAVNEET S/O GOPIRAM	
172	JHANJHROLA	ASHOK S/O GOPIRAM	
173	JHANJHROLA	ISHWAR DEVI W/O LT. GOPIRAM	
174	JHANJHROLA	SUKHRAM S/O SUMER SINGH	
175	JHANJHROLA	OM SINGH S/O ROSHANLAL	
176	JHANJHROLA	RAMBIR S/O ROSHANLAL	
177	JHANJHROLA	BIRBAL S/O JAMANADASS	
178	JHANJHROLA	GIRIRAJ S/O JAMANADASS	
179	JHANJHROLA	USHA DEVI D/O KRISHAN CHARAN	
180	JHANJHROLA	GAJRAJ S/O MANGAL	
181	JHANJHROLA	BHIM SINGH S/O MANOHAR LAL	
182	JHANJHROLA	VIKASH KUMAR S/O MANOHAR LAL	
183	JHANJHROLA	ABHAY SINGH S/O MANOHAR LAL	
184	JHANJHROLA	SAROJ W/O LT. RAMPAL	
185	JHANJHROLA	KARISHMA D/O RAMPAL	
186	JHANJHROLA	GOVINDA S/O RAMPAL	
187	JHANJHROLA	RAMESH KUMAR S/O BADLU	
188	JHANJHROLA	CHANDERBHAN S/O JAGRAM	
189	JHANJHROLA	RAJPAL S/O JAGRAM	
190	JHANJHROLA	JAGDEV S/O JAGRAM	
191	JHANJHROLA	RAMNATH S/O JAGRAM	

192	JHANJHROLA	SATISH S/O JAGRAM	
193	JHANJHROLA	SAHAB RAM S/O SUMER SINGH	
194	JHANJHROLA	SUKHRAM S/O SUMER SINGH	
195	JHANJHROLA	LAKHPATI D/O SUMER SINGH	
196	JHANJHROLA	SANTOSH D/O SUMER SINGH	
197	JHANJHROLA	NAVNEET S/O GOPIRAM	
198	JHANJHROLA	ASHOK S/O GOPIRAM	
199	JHANJHROLA	ISHWAR DEVI W/O LT. GOPIRAM	
200	JHANJHROLA	SURAJ S/O SANTRA	
201	JHANJHROLA	RAJESH S/O SANTRA	
202	JHANJHROLA	SAVITA D/O SANTRA	
203	JHANJHROLA	OM SINGH S/O ROSHAN LAL	
204	JHANJHROLA	RAMBIR S/O ROSHAN LAL	
205	JHANJHROLA	OMWATI D/O ROSHAN LAL	
206	JHANJHROLA	SAVITRI D/O ROSHAN LAL	
207	JHANJHROLA	NIHALI W/O LT. ROSHAN LAL	
208	JHANJHROLA	DALIP SINGH S/O PARBHU DAYAL	
209	JHANJHROLA	JAIPALI W/O ISHWAR	
210	JHANJHROLA	RAJESH DEVI W/O DAYA RAM	
211	JHANJHROLA	USHA DEVI D/O KRISHAN CHARAN	
212	JHANJHROLA	GAJRAJ S/O MANOHAR LAL	
213	JHANJHROLA	SHAKUNTLA DEVI D/O BANSIRAM	
214	JHANJHROLA	ANITA DEVI W/O NARENDER KUMAR	
215	JHANJHROLA	SUMAN DEVI D/O RAJKAUR	
216	JHANJHROLA	AMAN DEVI D/O RAJKAUR	
217	JHANJHROLA	TARA DEVI D/O BANSIRAM	
218	JHANJHROLA	BIRBAL S/O JAMANADASS	
219	JHANJHROLA	GIRIRAJ S/O JAMANADASS	
220	JHANJHROLA	MUKESH KUMAR S/O BADLU RAM	
221	JHANJHROLA	KAMLA D/O BHOOP SINGH	
222	JHANJHROLA	BIMLA D/O BHOOP SINGH	
223	JHANJHROLA	SANTOSH D/O BHOOP SINGH	
224	JHANJHROLA	MANOJ W/O MUKESH KUMAR	

225	JHANJHROLA	BHARAT SINGH S/O RAMKISHORE	
226	JHANJHROLA	SATINDER KUMAR S/O OM PRAKASH YADAV	
227	JHANJHROLA	DHARMENDER KUMAR S/O OM PRAKASH	
228	JHANJHROLA	KRISHAN KUMAR S/O OM PRAKASH	
229	JHANJHROLA	VISHAL S/O JITENDER	
230	JHANJHROLA	RAJESH DEVI W/O RAMNIWAS	
231	JHANJHROLA	SUNITA YADAV D/O DHANPATI	
232	JHANJHROLA	HEMLATA D/O DHANPATI	
233	JHANJHROLA	GOPAL SINGH S/O MAHAVIR YADAV	
234	JHANJHROLA	BHIM SINGH S/O MANOHAR LAL	
235	JHANJHROLA	VIKASH KUMAR S/O MANOHAR LAL	
236	JHANJHROLA	ABHAY SINGH S/O MANOHAR LAL	
237	JHANJHROLA	SATISH KUMAR S/O HARCHAND SINGH	
238	JHANJHROLA	BRAHAM PARKASH S/O HARCHAND YADAV	
239	JHANJHROLA	CIVIL PANCHAYAT	
240	JHANJHROLA	JAGMAL S/O SHRIRAM	
241	JHANJHROLA	HANSRAJ S/O BUDHA	
242	JHANJHROLA	RAMPHAL S/O BUDHA	
243	JHANJHROLA	SHAKUNTLA W/O LT. JAGDISHCHANDER	
244	JHANJHROLA	SARITA D/O JAGDISH CHANDER	
245	JHANJHROLA	JITENDER S/O JAGDISH CHANDER	
246	JHANJHROLA	KANTA W/O LT. RAKESH	
247	JHANJHROLA	SANJEEV S/O RAKESH	
248	JHANJHROLA	SANJEETA D/O RAKESH	
249	JHANJHROLA	AMIT KUMAR S/O CHAND SINGH	
250	JHANJHROLA	PRITI D/O CHAND SINGH	
251	JHANJHROLA	POOJA D/O CHAND SINGH	
252	JHANJHROLA	SUNITA W/O LT. CHAND SINGH	
253	JHANJHROLA	SHAKUNTLA W/O LT. JAGDISHCHANDER	
254	JHANJHROLA	SARITA D/O JAGDISH CHANDER	
255	JHANJHROLA	JITENDER S/O JAGDISH CHANDER	
256	JHANJHROLA	KANTA DEVI W/O LT. RAKESH	
257	JHANJHROLA	SANJEEV S/O RAKESH KUMAR	

258	JHANJHROLA	SANJEETA D/O RAKESH KUMAR	
259	JHANJHROLA	SANTRA DEVI W/O LAXMI NARAYAN	
260	JHANJHROLA	SURESH KUMAR S/O LAXMI NARAYAN	
261	JHANJHROLA	DINESH KUMAR S/O LAXMI NARAYANA	
262	JHANJHROLA	SANTRAM S/O RAJBALA	
263	JHANJHROLA	SARLA D/O RAJBALA	
264	JHANJHROLA	REKHA D/O RAJBALA	
265	JHANJHROLA	MANJEET S/O RAMKANWAR	
266	JHANJHROLA	LATA D/O RAMKANWAR	
267	JHANJHROLA	ANITA W/O LT. ANIL KUMAR	
268	JHANJHROLA	SUJEET KUMAR S/O ANIL KUMAR	
269	JHANJHROLA	KUMAR SAHAB S/O ANIL KUMAR	
270	JHANJHROLA	SACHIN YADAV S/O HARISH KUMAR	
271	JHANJHROLA	POOJA YADAV D/O HARISH KUMAR	
272	JHANJHROLA	BEENA YADAV W/O LT. HARISH KUMAR	
273	JHANJHROLA	AMIT KUMAR S/O CHAND SINGH	
274	JHANJHROLA	PRITI D/O CHAND SINGH	
275	JHANJHROLA	POOJA D/O CHAND SINGH	
276	JHANJHROLA	SUNITA W/O LT. CHAND SINGH	
277	JHANJHROLA	JAIPARKASH S/O HIRALAL	
278	JHANJHROLA	MAHESH S/O HIRALAL	
279	JHANJHROLA	URMILA D/O HIRALAL	
280	JHANJHROLA	NIRMALA DEVI D/O HIRALAL	
281	JHANJHROLA	SONIYA DEVI D/O HIRALAL	
282	JHANJHROLA	HUKAM S/O LEKHRAM	
283	JHANJHROLA	NAHAR SINGH S/O LEKHRAM	
284	JHANJHROLA	ATTAR SINGH S/O LEKHRAM	
285	JHANJHROLA	SANTRA DEVI W/O LAXMI NARAYAN	
286	JHANJHROLA	SURESH KUMAR S/O LAXMI NARAYAN	
287	JHANJHROLA	DINESH KUMAR S/O LAXMI NARAYANA	
288	JHANJHROLA	OM SINGH S/O DARIYAV	
289	JHANJHROLA	SURENDER S/O DARIYAV	
290	JHANJHROLA	SUBHASH S/O DARIYAV	

291	JHANJHROLA	SANTLAL S/O DARIYAV	
292	JHANJHROLA	SUNIL YADAV S/O RAMAVTAR	
293	JHANJHROLA	SHAKUNTLA DEVI W/O LT. RAMAVTAR	
294	JHANJHROLA	SUMAN DEVI D/O RAMAVTAR	
295	JHANJHROLA	SUJEET KUMAR S/O ANIL	
296	JHANJHROLA	SUJEET KUMAR S/O ANIL	
297	JHANJHROLA	MANJEET S/O RAMKANWAR	
298	JHANJHROLA	SACHIN S/O HARISH	
299	JHANJHROLA	KAMLA DEVI D/O BUDHRAM	
300	JHANJHROLA	MUKHTEYAR SINGH S/O BUDHRAM	
301	JHANJHROLA	SHAKUNTALA W/O LT. RAMAVTAR	
302	JHANJHROLA	SUNIL KUMAR S/O RAMAVTAR	
303	JHANJHROLA	SUMAN DEVI D/O RAMAVTAR	
304	JHANJHROLA	ANITA D/O DARIYAV SINGH	
305	JHANJHROLA	SARLI DEVI W/O LT. DARIYAV SINGH	
306	JHANJHROLA	OM SINGH S/O DARIYAV SINGH	
307	JHANJHROLA	SURENDER S/O DARIYAV SINGH	
308	JHANJHROLA	SUBHASH S/O DARIYAV SINGH	
309	JHANJHROLA	SANTLAL S/O DARIYAV SINGH	
310	JHANJHROLA	SANDEEP S/O VEERPAL	
311	JHANJHROLA	ANJU D/O VEERPAL SINGH	
312	JHANJHROLA	KAMLESH W/O LT. VEERPAL SINGH	
313	JHANJHROLA	ANITA W/O LT. ANIL	
314	JHANJHROLA	SUJEET KUMAR S/O ANIL	
315	JHANJHROLA	KUMAR SAHAB S/O ANIL	
316	JHANJHROLA	HANSA S/O BUDHA	
317	JHANJHROLA	RAMPHAL S/O BUDHA	
318	JHANJHROLA	KAMLA D/O MUKHTEYAR SINGH	
319	JHANJHROLA	SANTOSH D/O MUKHTEYAR SINGH	
320	JHANJHROLA	SAVITA D/O MUKHTEYAR SINGH	
321	JHANJHROLA	SHAKUNTLA DEVI W/O LT. RAMAVTAR	
322	JHANJHROLA	SUNIL KUMAR S/O RAMAVTAR	
323	JHANJHROLA	SUMAN DEVI D/O RAMAVTAR	

324	JHANJHROLA	SHAKUNTLA W/O LT. JAGDISH CHANDER	
325	JHANJHROLA	SARITA D/O JAGDISH CHANDER	
326	JHANJHROLA	JITENDER S/O JAGDISH CHANDER	
327	JHANJHROLA	KANTA W/O LT. RAKESH	
328	JHANJHROLA	SANJEEV S/O RAKESH	
329	JHANJHROLA	SANJEETA D/O RAKESH	
330	JHANJHROLA	AMIT KUMAR S/O CHAND SINGH	
331	JHANJHROLA	PRITI D/O CHAND SINGH	
332	JHANJHROLA	POOJA D/O CHAND SINGH	
333	JHANJHROLA	SUNITA W/O LT. CHAND SINGH	
334	JHANJHROLA	SHAKUNTLA W/O LT. JAGDISH CHANDER	
335	JHANJHROLA	SARITA D/O JAGDISH CHANDER	
336	JHANJHROLA	JITENDER S/O JAGDISH CHANDER	
337	JHANJHROLA	KANTA W/O LT. RAKESH	
338	JHANJHROLA	SANJEEV S/O RAKESH	
339	JHANJHROLA	SANJEETA D/O RAKESH	
340	JHANJHROLA	SANTRA DEVI W/O LT. LAXMI NARAYAN	
341	JHANJHROLA	SURESH KUMAR S/O LAXMI NARAYAN	
342	JHANJHROLA	DINESH KUMAR S/O LAXMI NARAYAN	
343	JHANJHROLA	SANTRAM S/O RAJBALA	
344	JHANJHROLA	SARLA D/O RAJBALA	
345	JHANJHROLA	REKHA D/O RAJBALA	
346	JHANJHROLA	DEEPCHAND S/O TEJA	
347	JHANJHROLA	AMIT KUMAR S/O CHAND SINGH	
348	JHANJHROLA	PRITI D/O CHAND SINGH	
349	JHANJHROLA	POOJA D/O CHAND SINGH	
350	JHANJHROLA	SUNITA W/O LT. CHAND SINGH	
351	JHANJHROLA	SANTRA DEVI W/O LT. LAXMI NARAYAN	
352	JHANJHROLA	SURESH KUMAR S/O LAXMI NARAYAN	
353	JHANJHROLA	DINESH KUMAR S/O LAXMI NARAYAN	
354	JHANJHROLA	OM SINGH S/O DARIYAV	
355	JHANJHROLA	SURENDER S/O DARIYAV	
356	JHANJHROLA	SUBHASH S/O DARIYAV	

357	JHANJHROLA	SANTLAL S/O DARIYAV	
358	JHANJHROLA	SHAKUNTLA DEVI W/O LT. RAMAVTAR	
359	JHANJHROLA	SUNIL KUMAR S/O RAMAVTAR	
360	JHANJHROLA	SUMAN DEVI D/O RAMAVTAR	
361	JHANJHROLA	SUJEET KUMAR S/O ANIL KUMAR	
362	JHANJHROLA	MANJEET S/O RAMKANWAR	
363	JHANJHROLA	SACHIN S/O HARISH KUMAR	
364	JHANJHROLA	JAIPARKASH S/O HIRALAL	
365	JHANJHROLA	MAHESH S/O HIRALAL	
366	JHANJHROLA	URMILA D/O HIRALAL	
367	JHANJHROLA	NIRMALA D/O HIRALAL	
368	JHANJHROLA	SONIYA DEVI D/O HIRALAL	
369	JHANJHROLA	HUKAM S/O LEKHRAM	
370	JHANJHROLA	NAHAR S/O LEKHRAM	
371	JHANJHROLA	ATTAR S/O LEKHRAM	
372	JHANJHROLA	JAGMAL S/O SHRI RAM	
373	JHANJHROLA	MANJEET S/O RAMKANWAR	
374	JHANJHROLA	LATA D/O RAMKANWAR	
375	JHANJHROLA	SACHIN YADAV S/O HARISH	
376	JHANJHROLA	POOJA YADAV S/O HARISH	
377	JHANJHROLA	BEENA YADAV W/O HARISH KUMAR	
378	JHANJHROLA	SURENDER S/O DARIYAV SINGH	
379	JHANJHROLA	SUBHASH S/O DARIYAV SINGH	
380	JHANJHROLA	SANTLAL S/O DARIYAV SINGH	
381	JHANJHROLA	OM SINGH S/O DARIYAV SINGH	
382	JHANJHROLA	KAMLESH W/O LT. VEERPAL	
383	JHANJHROLA	SANDEEP S/O VEERPAL	
384	JHANJHROLA	ANJU D/O VEERPAL	
385	JHANJHROLA	SANTOSH W/O ATTAR SINGH	
386	JHANJHROLA	BALA DEVI D/O KANWAR SINGH	
387	JHANJHROLA	MODEL ECONOMIC TOWNSHIP LIMITED	
388	JHANJHROLA	CIVIL PANCHAYAT	
389	JHANJHROLA	MODEL ECONOMIC TOWNSHIP	

390	JHANJHROLA	CHANDGI S/O DHARAM SINGH	
391	JHANJHROLA	ROSHNI DEVI W/O AJIT SINGH	
392	JHANJHROLA	AJAY S/O RAJ SINGH	
393	JHANJHROLA	SAJJAN SINGH S/O AJIT SINGH	
394	JHANJHROLA	MOHIT S/O AJIT SINGH	
395	JHANJHROLA	VIJAY S/O RAJ SINGH	

Sr. No.	Village	Additional Land Acquisition 1 & 2 (Award Dated 27.05.2022 & 10.01.2024)	
		Common Land Onwerns	New Land Owners
1	KHENTAWAS	NAHAR SINGH S/O RAMSINGH	NO NEW NAME IN ADDITIONAL LAND ACQUISITION.
2		LAXMI W/O SH. M.K. YADAV	
3		SAVITRI DEVI W/O UMED SINGH	
4		PANKAJ KUMAR S/O SUSHILA	
5		ANITA D/O SUSHILA	
6		NISHA D/O SUSHILA	
7		NIRMALA YADAV W/O BHUPENDER	
8		ATIN S/O BHUPENDER	
9		DEEVANSHU S/O BHUPENDER SINGH	
10		RAJKUMAR S/O SERAT SINGH	
11		DEVENDER YADAV S/O RAJ KUMAR YADAV	
12		ROHTAS S/O RAJKUMAR	
13		CHARAN SINGH S/O SUMER SINGH	
14		KOSHALYA W/O CHARAN SINGH	
15		CHARAN SINGH S/O SUMER SINGH	
16		MEENA W/O SUKHBIR	
17		PARAM JEET S/O SUMER SINGH	
18		AJIT SINGH S/O SUMER SINGH	
19		SATBIR SINGH S/O SUMER SINGH	
20		DESH RAJ S/O BRIJ LAL	
21		SUNITA DEVI D/O DHARAMPAL	

22		GEETA DEVI W/O SHRI BHAGWAN	
23	KHENTAWAS	JAI BHAGWAN S/O SANTRAJ	NO NEW NAME IN ADDITIONAL LAND ACQUISITION.
24		KAPIL S/O SHRI BHAGWAN	
25		AASHISH S/O SHRI BHAGWAN	
26		REKHA YADAV W/O DEVINDER KUMAR	
27		RAKESH KUMAR S/O SARDANAND	
28		RAMESH S/O SARDANAND	
29		RAJ KUMAR S/O SARDANAND	
30		HARIYANA GOVT	

Sr. No.	Village	Additional Land Acquisition 1 & 2 (Award Dated 27.05.2022 & 10.01.2024)	
		Common Land Onwerns	New Land Owners
1	MUBARIKPUR	SATISH KUMAR S/O SAHIRAM	NO NEW NAME IN ADDITIONAL LAND ACQUISITION.
2		ANUP SINGH S/O BALWAN SINGH	
3		TEJ SINGH S/O BALWAN SINGH	
4		ASHISH KUMAR S/O DULICHAND	
5		BHARPUR S/O AMAR SINGH	
6		MANGE RAM S/O BHARAT SINGH	
7		SURJAN S/O BHARAT SINGH	
8		SHAILENDER TOKAS S/O JAGDISH	
9		DHARAM VIR S/O DAYANAND	
10		DAYAL SINGH S/O JAI LAL SINGH	
11		SUNIL KUMAR S/O JAILAL SINGH	
12		RAJPAL S/O KHAJAN SINGH	

13	MUBARIKPUR	KRISHAN S/O KHAJAN SINGH	NO NEW NAME IN ADDITIONAL LAND ACQUISITION.	
14		SHANTI D/O CHHOTU RAM		
15		RAMESHWAR DASS S/O JAGE RAM PHALASWAL		
16		BHUP SINGH S/O JAGE RAM		
17		RAMKISHOR S/O JAGERAM		
18		BIR BATI DEVI WIDOW RAJ KUMAR		
19		GEETA D/O RAJ KUMAR		
20		MUBARIKPUR		BIRMATI MATA HARI PRAKASH
21				MUKESH W/O HARI PARKASH
22	KARAMVIR S/O HARI PARKASH			
23	SOURBH S/O HARI PARKASH			
24	ANKIT CONSTRUCTION CO.			
25	SUDHA AGGARWAL W/O SOHAN LAL AGGARWAL			
26	JOGINDER SINGH S/O KARAN SINGH			
27	DHARMENDER SINGH S/O KARAN SINGH			

28		SUKHVINDER SINGH S/O GURBACHAN SINGH	NO NEW NAME IN ADDITIONAL LAND ACQUISITION.
29		SARABJEET SINGH S/O SURJIT SINGH	
30		GEETA D/O RAM KUMAR	
31	MUBARIKPUR	MUKESH WIDOW HARI PARKASH	
32		SATISH KUMAR S/O DIWAN SINGH	
33		SUBHASH CHANDER SHARMA S/O DIWAN SINGH	
34		KAMAL KANT SHARMA S/O RAMKISHAN SHARMA	
35		SHASHIKANT SHARMA S/O RAM KISHAN SHARMA	NO NEW NAME IN ADDITIONAL LAND ACQUISITION.
36		USHA SHARMA W/O ARUN KUMAR SHARMA	
37		SAVITA WIDOW NARESH	
38		ROHIT S/O NARESH	
39		MOHIT SHARMA S/O NARESH SHARMA	
40		ROHINA D/O NARESH KUMAR	
41		RAVINDER KUMAR S/O RISHI RAM	
42		MADHU GUPTA W/O GULSHAN KUMAR GUPTA	

43	MUBARIKPUR	BRAHAM PARKASH S/O SHYO RAM	NO NEW NAME IN ADDITIONAL LAND ACQUISITION.
44		AMAN KUMAR S/O BALWAN SINGH	
45		PAWAN KUMAR S/O BALWAN SINGH	
46		RAMESH KUMAR S/O BALWAN SINGH	
47		KAMLA DEVI W/O BALWAN SINGH	
48		MIR SINGH S/O HARI SINGH	
49		SANTLAL S/O HARI SINGH	
50		SURENDER S/O HARI SINGH	
51		PAVITRA WIDOW RAMPAL	
52		MONIKA D/O RAMPAL	
53		MANISH S/O RAMPAL	
54		ABHISHEK S/O RAMPAL	
55		CIVIL PANCHYAT	

Sr. No.	Village	Additional Land Acquisition 1 & 2 (Award Dated 27.05.2022 & 10.01.2024)	
		Common Land Onwers	New Land Owners
1	PATLI HAJIPUR	VIJAY SINGH S/O SUBH RAM	
2	PATLI HAJIPUR	CHARAN SINGH S/O SHUBHRAM	
3	PATLI HAJIPUR	ANIL KUMAR S/O SUKHBIR SINGH	
4	PATLI HAJIPUR	SUNIL KUMAR S/O SUKHBIR	
5	PATLI HAJIPUR	SUNITA W/O NARENDER KUMAR	
6	PATLI HAJIPUR	SHYAM W/O SUKHBIR	
7	PATLI HAJIPUR	JAGDISH S/O BHAGWANA	
8	PATLI HAJIPUR	DHARAM BEER S/O BHAGWANA	
9	PATLI HAJIPUR	VINOD KUMAR S/O RAMESH CHAND	
10	PATLI HAJIPUR	VIJENDER KUMAR S/O RAMESH KUMAR	
11	PATLI HAJIPUR	M/S GREAT HIMALYAN ISTATE	
12	PATLI HAJIPUR	M/S ABS FINCAP	
13	PATLI HAJIPUR	AJIT SINGH S/O BALWAN SINGH	
14	PATLI HAJIPUR	JAI SINGH S/O BALWAN SINGH	
15	PATLI HAJIPUR	MUKESH KUMAR S/O SURENDRA KUMAR	
16	PATLI HAJIPUR	MANJIT KUMAR S/O SURENDER	
17	PATLI HAJIPUR	SUBHRAM S/O LAHRI	
18	PATLI HAJIPUR	SUKHBIR S/O LAHRI	
19	PATLI HAJIPUR	PARMESHWARI W/O CHANDER BHAN	
20	PATLI HAJIPUR	JAGDISH S/O BHAGWANA	
21	PATLI HAJIPUR	DHARAM BEER S/O BHAGWANA	
22	PATLI HAJIPUR	VINOD KUMAR S/O RAMESH CHAND	
23	PATLI HAJIPUR	VIJENDER KUMAR S/O RAMESH KUMAR	
24	PATLI HAJIPUR	AJIT SINGH S/O BALWAN SINGH	
25	PATLI HAJIPUR	JAI SINGH S/O BALWAN SINGH	
26	PATLI HAJIPUR	MUKESH KUMAR S/O SURENDRA KUMAR	

27	PATLI HAJIPUR	MANJIT KUMAR S/O SURENDER	
28	PATLI HAJIPUR	RANBIR S/O RAMCHAND	
29	PATLI HAJIPUR	NARESH KUMAR S/O TARACHAND	
30	PATLI HAJIPUR	SURESH KUMAR S/O TARACHAND	
31	PATLI HAJIPUR	SUNIL KUMAR S/O OM PRAKASH	
32	PATLI HAJIPUR	SUSHIL KUMAR S/O OM PRAKASH	
33	PATLI HAJIPUR	KANWAR SINGH S/O MEHAR CHAND	
34	PATLI HAJIPUR	OM PARKASH S/O MEHAR CHAND	
35	PATLI HAJIPUR	SAHAB KAUR W/O RAJINDER SINGH	
36	PATLI HAJIPUR	RAKESH KUMAR S/O RAJENDER SINGH	
37	PATLI HAJIPUR	NIRMALA DEVI W/O RANBIR SINGH	
38	PATLI HAJIPUR	NARESH KUMAR S/O RAJENDER SINGH	
39	PATLI HAJIPUR	SATISH KUMAR DHANKHER S/O JAGPAL SINGH	
40	PATLI HAJIPUR	SARLA DEVI W/O RATTAN LAL	
41	PATLI HAJIPUR	PUSHPA KUMARI W/O RAMBIR SINGH	
42	PATLI HAJIPUR	NARENDER KUMAR S/O SATPAL	
43	PATLI HAJIPUR	JITENDER S/O SAT PAL	
44	PATLI HAJIPUR	DHARMENDER S/O SAT PAL	
45	PATLI HAJIPUR	PRITAM S/O SAT PAL	
46	PATLI HAJIPUR	SUMER W/O SAT PAL	
47	PATLI HAJIPUR	SUBHRAM S/O LAHRI	
48	PATLI HAJIPUR	SUKBIR S/O LAHRI	
49	PATLI HAJIPUR	PARMESHWARI W/O LAHRI	
50	PATLI HAJIPUR	AJIT SINGH S/O BALWAN SINGH	
51	PATLI HAJIPUR	JAI SINGH S/O BALWAN SINGH	
52	PATLI HAJIPUR	MUKESH KUMAR S/O SURENDRA KUMAR	
53	PATLI HAJIPUR	MANJIT KUMAR S/O SURENDER	
54	PATLI HAJIPUR	OM PARKASH S/O RAM CHANDER	
55	PATLI HAJIPUR	RANBIR S/O RAMCHAND	
56	PATLI HAJIPUR	NARESH KUMAR S/O TARACHAND	
57	PATLI HAJIPUR	SURESH KUMAR S/O TARACHAND	
58	PATLI HAJIPUR	JAGDISH S/O BHAGWANA	

59	PATLI HAJIPUR	DHARAM BEER S/O BHAGWANA	
60	PATLI HAJIPUR	OM PATI W/O SURENDER	
61	PATLI HAJIPUR	BIMLA DEVI W/O RAMESH	
62	PATLI HAJIPUR	VINOD KUMAR S/O RAMESH CHAND	
63	PATLI HAJIPUR	VIJENDER KUMAR S/O RAMESH KUMAR	
64	PATLI HAJIPUR	SUSHMA W/O NARESH	
65	PATLI HAJIPUR	APR 9/14 TO 9/31 NAME PENDING	
66	PATLI HAJIPUR	xxx	
67	PATLI HAJIPUR	xxx	
68	PATLI HAJIPUR	xxx	
69	PATLI HAJIPUR	xxx	
70	PATLI HAJIPUR	xxx	
71	PATLI HAJIPUR	xxx	
72	PATLI HAJIPUR	xxx	
73	PATLI HAJIPUR	xxx	
74	PATLI HAJIPUR	NARENDER KUMAR S/O SATPAL	
75	PATLI HAJIPUR	JITENDER S/O SATPAL	
76	PATLI HAJIPUR	DHARMENDER S/O SATPAL	
77	PATLI HAJIPUR	PRITAM S/O SATPAL	
78	PATLI HAJIPUR	SUMER W/O SATPAL	
79	PATLI HAJIPUR	xxx	
80	PATLI HAJIPUR	xxx	
81	PATLI HAJIPUR	xxx	
82	PATLI HAJIPUR	xxx	
83	PATLI HAJIPUR	PAWAN KUMAR S/O OMPRAKASH	
84	PATLI HAJIPUR	BALJEET SINGH S/O RIZAK RAM	
85	PATLI HAJIPUR	PRAVEEN KUMAR S/O KISHAN SINGH	
86	PATLI HAJIPUR	JASWANTI W/O AJIT SINGH	
87	PATLI HAJIPUR	JAI PARKASH S/O AJIT SINGH	
88	PATLI HAJIPUR	RAHUL DHANKHAR S/O AJIT SINGH	
89	PATLI HAJIPUR	JAGDISH CHANDER S/O NET RAM	
90	PATLI HAJIPUR	JAGBIR S/O NETRAM	
91	PATLI HAJIPUR	JAGDEEP S/O NARENDER SINGH URF NETRAM	

92	PATLI HAJIPUR	MS KAMINO DEVELOPERS. PVT	
93	PATLI HAJIPUR	USHA DEVI W/O LT. MANOJ KUMAR	
94	PATLI HAJIPUR	BHIM SINGH S/O ZILE SINGH	
95	PATLI HAJIPUR	ROHTASH S/O SAMPAT	
96	PATLI HAJIPUR	SHER SINGH S/O JAL SINGH	
97	PATLI HAJIPUR	BALWAN SINGH S/O HUKAM CHAND	
98	PATLI HAJIPUR	SHRI KRISHAN S/O HUKAM CHAND	
99	PATLI HAJIPUR	DHARMVIR SINGH S/O HUKAM CHAND	
100	PATLI HAJIPUR	MAHABIR SINGH S/O HUKAM CHAND	
101	PATLI HAJIPUR	PAWAN KUMAR S/O OMPRAKASH	
102	PATLI HAJIPUR	BALJEET SINGH S/O RIZAK RAM	
103	PATLI HAJIPUR	PRAVEEN KUMAR S/O KISHAN SINGH	
104	PATLI HAJIPUR	JASWANTI W/O AJIT SINGH	
105	PATLI HAJIPUR	JAI PARKASH S/O AJIT SINGH	
106	PATLI HAJIPUR	RAHUL DHANKHAR S/O AJIT SINGH	
107	PATLI HAJIPUR	MS SINGH AND SINGH HOUSING	
108	PATLI HAJIPUR	KRISHAN KUMAR S/O RAMCHANDER	
109	PATLI HAJIPUR	SANJEEV S/O RAMCHANDER	
110	PATLI HAJIPUR	MS PAUL INSURANCE	
111	PATLI HAJIPUR	KRISHAN KUMAR S/O RAM CHANDER	
112	PATLI HAJIPUR	SANJEEV KUMAR S/O RAM CHANDER	
113	PATLI HAJIPUR	DEV DUTT S/O BUDHRAM	
114	PATLI HAJIPUR	TEJ SINGH S/O BUDH RAM	
115	PATLI HAJIPUR	RAJ KUMAR S/O BUDH RAM	
116	PATLI HAJIPUR	MANOJ KUMAR S/O ISHWAR	
117	PATLI HAJIPUR	DHEERAJ S/O ISHWAR	
118	PATLI HAJIPUR	SATINDER S/O NAFE SINGH	
119	PATLI HAJIPUR	KAPIL DEV S/O SARJIT SINGH	
120	PATLI HAJIPUR	RAJ SINGH S/O SARJIT SINGH	
121	PATLI HAJIPUR	BALJEET S/O BHIKHU	
122	PATLI HAJIPUR	AJIT S/O BHIKHU	
123	PATLI HAJIPUR	SUBHASH S/O BHIKHU	
124	PATLI HAJIPUR	MS GURUDEV AND RAMOTAR	

125	PATLI HAJIPUR	GAURAV DHANKHAR S/O JAI PARKASH	
126	PATLI HAJIPUR	GEETA D/O JAI PARKASH	
127	PATLI HAJIPUR	KAMLESH W/O LT. JAI PARKASH	
128	PATLI HAJIPUR	MS PACL INSAURANCE	
129	PATLI HAJIPUR	MS DPSE FINANCE	
130	PATLI HAJIPUR	SUBHASH CHANDER S/O BHIKHU RAM	
131	PATLI HAJIPUR	AJIT SINGH S/O BHIKHU RAM	
132	PATLI HAJIPUR	GAURAV DHANKAR S/O J P DHANKAR	
133	PATLI HAJIPUR	GEETA W/O SUNIT SINGH	
134	PATLI HAJIPUR	KAMLESH DHANKAR W/O J P DHANKAR	
135	PATLI HAJIPUR	SUDHIR S/O BALJIT SINGH	
136	PATLI HAJIPUR	RAHUL DHANKHAR S/O BALJIT SINGH	
137	PATLI HAJIPUR	SUBHASH CHANDER S/O BHIKHU RAM	
138	PATLI HAJIPUR	AJIT SINGH S/O BHIKHU RAM	
139	PATLI HAJIPUR	GAURAV DHANKAR S/O J P DHANKAR	
140	PATLI HAJIPUR	GEETA W/O SUNIT SINGH	
141	PATLI HAJIPUR	KAMLESH DHANKAR W/O J P DHANKAR	
142	PATLI HAJIPUR	SUDHIR S/O BALJIT SINGH	
143	PATLI HAJIPUR	RAHUL DHANKHAR S/O BALJIT SINGH	
144	PATLI HAJIPUR	SUBHASH CHANDER S/O BHIKHU RAM	
145	PATLI HAJIPUR	RAVINDER SINGH S/O GULAB SINGH	
146	PATLI HAJIPUR	REENA W/O RAKESH S/O GULAB SINGH	
147	PATLI HAJIPUR	AMAN S/O RAKESH	
148	PATLI HAJIPUR	NITIN THAKRAN S/O RAKESH	
149	PATLI HAJIPUR	BALJEET S/O BHIKURAM	
150	PATLI HAJIPUR	SUBHASH CHANDER S/O BHIKHU RAM	
151	PATLI HAJIPUR	MS DPSE FINANCE	
152	PATLI HAJIPUR	GAURAV DHANKAR S/O J P DHANKAR	
153	PATLI HAJIPUR	GEETA W/O SUNIT SINGH	
154	PATLI HAJIPUR	KAMLESH DHANKAR W/O J P DHANKAR	
155	PATLI HAJIPUR	SHANTI D/O SHER SINGH	
156	PATLI HAJIPUR	DHARMO DEVI W/O BIR SINGH	
157	PATLI HAJIPUR	SANJAY KUMAR S/O ISHWAR SINGH	

158	PATLI HAJIPUR	MANOJ S/O ISHWAR	
159	PATLI HAJIPUR	DHEERAJ S/O ISHWAR SINGH	
160	PATLI HAJIPUR	SATINDER S/O NAFE SINGH	
161	PATLI HAJIPUR	KAPIL DEV S/O SARJIT SINGH	
162	PATLI HAJIPUR	RAJ SINGH S/O SARJIT SINGH	
163	PATLI HAJIPUR	DEV DUTT S/O BUDHRAM	
164	PATLI HAJIPUR	TEJ SINGH S/O BUDH RAM	
165	PATLI HAJIPUR	RAJ KUMAR S/O BUDH RAM	
166	PATLI HAJIPUR	BALJEET S/O BHIKURAM	
167	PATLI HAJIPUR	AJIT SINGH S/O BHIKHU RAM	
168	PATLI HAJIPUR	SUBHASH CHANDER S/O BHIKHU RAM	
169	PATLI HAJIPUR	CHAMELI DEVI W/O LT. UMRAO	
170	PATLI HAJIPUR	GAURAV DHANKAR S/O J P DHANKAR	
171	PATLI HAJIPUR	GEETA W/O SUNIT SINGH	
172	PATLI HAJIPUR	KAMLESH DHANKAR W/O J P DHANKAR	
173	PATLI HAJIPUR	KRISHAN KUMAR S/O RAMCHANDER	
174	PATLI HAJIPUR	SANJEEV S/O RAMCHANDER	
175	PATLI HAJIPUR	PREM DEVI W/O ROHTASH	
176	PATLI HAJIPUR	NARENDER KUMAR S/O ROHTASH SINGH	
177	PATLI HAJIPUR	SANDEEP KUMAR S/O ROHTASH	
178	PATLI HAJIPUR	KRISHAN PAL S/O PIRBHU DAYAL	
179	PATLI HAJIPUR	MS HASLING INFR.	
180	PATLI HAJIPUR	MS PACL INSAURANCE	
181	PATLI HAJIPUR	MS AG SECURITY PVT LTD	
182	PATLI HAJIPUR	RAJVIR S/O JAGE RAM ARYA	
183	PATLI HAJIPUR	PREMWATI TEWATIA W/O RAGHUBIR SINGH TEWATIA	
184	PATLI HAJIPUR	AMAR JEET SINGH S/O TEJVEER SINGH	
185	PATLI HAJIPUR	SUMARJIT SINGH S/O TEJBIR SINGH	
186	PATLI HAJIPUR	SEEMA W/O HARI OM	
187	PATLI HAJIPUR	REKHA W/O ARUN KUMAR	
188	PATLI HAJIPUR	REETU CHOUDHARY W/O KULDEEP SINGH	
189	PATLI HAJIPUR	ARYAN CHOUDHARY S/O KULDEEP KUMAR	

190	PATLI HAJIPUR	VINAY KUMAR URF SURAJ S/O KULDEEP KUMAR	
191	PATLI HAJIPUR	VINOD KUMAR S/O VED VART SHASTRI	
192	PATLI HAJIPUR	VIJAY KUMAR S/O VED VERT SHASTRI	
193	PATLI HAJIPUR	VIKRAM SINGH S/O VEDVRAT SHASTRI	
194	PATLI HAJIPUR	VIVEKA NAND SHASTRI S/O VED VART SHASTRI	
195	PATLI HAJIPUR	RAKESH KUMAR S/O DAYANAND	
196	PATLI HAJIPUR	DEVINDER KUMAR S/O DAYANAND	
197	PATLI HAJIPUR	BALWAN SINGH S/O HUKAM CHAND	
198	PATLI HAJIPUR	SHRI KRISHAN S/O HUKAM CHAND	
199	PATLI HAJIPUR	DHARMVIR SINGH S/O HUKAM CHAND	
200	PATLI HAJIPUR	MAHABIR SINGH S/O HUKAM CHAND	
201	PATLI HAJIPUR	JAGDISH CHANDER S/O MANOHAR LAL	
202	PATLI HAJIPUR	PARAS RAM S/O MANOHAR LAL	
203	PATLI HAJIPUR	BRIJ KISHOR S/O MANOHER LAL	
204	PATLI HAJIPUR	SANTOSH W/O YAD RAM	
205	PATLI HAJIPUR	SATISH SHARMA S/O YAD RAM	
206	PATLI HAJIPUR	HITESH KUMAR S/O YAD RAM	
207	PATLI HAJIPUR	BABU LAL S/O RAGHU NATH	
208	PATLI HAJIPUR	LAL CHAND S/O KALI RAM	
209	PATLI HAJIPUR	BAL KISHAN S/O KALI RAM	
210	PATLI HAJIPUR	DEVENDER KUMAR S/O KALI RAM SHARMA	
211	PATLI HAJIPUR	HARISH KUMAR S/O KALI RAM	
212	PATLI HAJIPUR	VED PRAKASH S/O KISHAN SHARMA	
213	PATLI HAJIPUR	PRAVEEN KUMAR S/O SHRI KISHAN	
214	PATLI HAJIPUR	BABU LAL S/O RAGHU NATH	
215	PATLI HAJIPUR	LAL CHAND S/O KALI RAM	
216	PATLI HAJIPUR	BAL KISHAN S/O KALI RAM	
217	PATLI HAJIPUR	DEVENDER KUMAR S/O KALI RAM SHARMA	
218	PATLI HAJIPUR	HARISH KUMAR S/O KALI RAM	
219	PATLI HAJIPUR	VED PRAKASH S/O KISHAN SHARMA	
220	PATLI HAJIPUR	PRAVEEN KUMAR S/O SHRI KISHAN	

221	PATLI HAJIPUR	MALTI SHARMA W/O PRAVEEN KUMAR	
222	PATLI HAJIPUR	BALWAN SINGH S/O HUKAM CHAND	
223	PATLI HAJIPUR	SHRI KRISHAN S/O HUKAM CHAND	
224	PATLI HAJIPUR	DHARMVIR SINGH S/O HUKAM CHAND	
225	PATLI HAJIPUR	MAHABIR SINGH S/O HUKAM CHAND	
226	PATLI HAJIPUR	BALWAN SINGH S/O HUKAM CHAND	
227	PATLI HAJIPUR	SHRI KRISHAN S/O HUKAM CHAND	
228	PATLI HAJIPUR	DHARMVIR SINGH S/O HUKAM CHAND	
229	PATLI HAJIPUR	MAHABIR SINGH S/O HUKAM CHAND	
230	PATLI HAJIPUR	RAM MEHAR S/O PARAS RAM	
231	PATLI HAJIPUR	JAGDISH S/O PARASH RAM	
232	PATLI HAJIPUR	GUGAN SINGH S/O PARAS RAM	
233	PATLI HAJIPUR	OMPARKASH S/O PARASHRAM	
234	PATLI HAJIPUR	AJIT S/O PARAS RAM	
235	PATLI HAJIPUR	LAXMI W/O PARAS RAM	
236	PATLI HAJIPUR	GAYTRI ARORA W/O SURINDER KUMAR	
237	PATLI HAJIPUR	LAKSHAY ARORA S/O SURINDER KUMAR	
238	PATLI HAJIPUR	DAKSH ARORA S/O SURINDER KUMAR	
239	PATLI HAJIPUR	RAM NIWAS S/O SULECHAND	
240	PATLI HAJIPUR	SHRINIWAS S/O SULECHAND	
241	PATLI HAJIPUR	SHRIBHAGWAN S/O SULECHAND	
242	PATLI HAJIPUR	KRISHAN KUMAR S/O SULECHAND	
243	PATLI HAJIPUR	VATAN SINGH S/O BADLU RAM	
244	PATLI HAJIPUR	GULAB SINGH S/O JAI LAL	
245	PATLI HAJIPUR	SATINDER S/O NAFE SINGH	
246	PATLI HAJIPUR	KAPIL DEV S/O SARJIT SINGH	
247	PATLI HAJIPUR	RAJ SINGH S/O SARJIT SINGH	
248	PATLI HAJIPUR	DEV DUTT S/O BUDHRAM	
249	PATLI HAJIPUR	TEJ SINGH S/O BUDH RAM	
250	PATLI HAJIPUR	RAJ KUMAR S/O BUDH RAM	
251	PATLI HAJIPUR	MS WORLDWIDE URBAN PVT	
252	PATLI HAJIPUR	MS SINGH AND SINGH TOWNSHIP PVT	
253	PATLI HAJIPUR	MS SINGH AND SINGH CITYDOVELPERS PVT	

254	PATLI HAJIPUR	MS DG HOUSING PVT	
255	PATLI HAJIPUR	MS GURUDEV AND ROMOTAR PVT	
256	PATLI HAJIPUR	VED PARKASH S/O BADLU	
257	PATLI HAJIPUR	ASHWANI S/O RATAN SINGH	
258	PATLI HAJIPUR	MODEL PARMOTERS PVT	
259	PATLI HAJIPUR	MS WORLD WIDE URBAN PVT	
260	PATLI HAJIPUR	GURUDEV AND ROMOTAR PVT	
261	PATLI HAJIPUR	VATAN SINGH S/O BADLU RAM	
262	PATLI HAJIPUR	GRAM PANCHAYANAT	
263	PATLI HAJIPUR	SOMDUTT S/O RAMESHWAR CHAND	
264	PATLI HAJIPUR	PARDEEP S/O RAMESHWAR CHAND	
265	PATLI HAJIPUR	SANDEEP KUMAR S/O RAMESHWAR CHAND	
266	PATLI HAJIPUR	POONAM D/O RAMESHWAR CHAND	
267	PATLI HAJIPUR	ISHWANTI W/O RAMESHWAR	
268	PATLI HAJIPUR	KHEMRAM S/O RAMDHAN	
269	PATLI HAJIPUR	DHARMVIR URF DHARAM BIR S/O RAMDHAN	
270	PATLI HAJIPUR	AJAY PAL S/O RAMDHAN	
271	PATLI HAJIPUR	GAURAV S/O SHRI PAL	
272	PATLI HAJIPUR	NAVJEET SINGH S/O ISHWAR SINGH	
273	PATLI HAJIPUR	JAGVANTI W/O SHIVJEET	
274	PATLI HAJIPUR	KHUSHHAL LAMBA S/O SHIVJEET SINGH LAMBA	
275	PATLI HAJIPUR	BHARTI LAMBA D/O SHIVJEET SINGH	
276	PATLI HAJIPUR	ARTI LAMBA D/O SHIVJEET	
277	PATLI HAJIPUR	VAISHALI LAMBA D/O SHIVJEET LAMBA	
278	PATLI HAJIPUR	RAJPAL S/O KHUSHI RAM	
279	PATLI HAJIPUR	SURAJBHAN S/O KHUSHI RAM	
280	PATLI HAJIPUR	RAVI PRAKASH S/O DHARAM PAL	
281	PATLI HAJIPUR	SUNIL KUMAR S/O DHARM PAL	
282	PATLI HAJIPUR	RAJPAL S/O KHUSHI RAM	
283	PATLI HAJIPUR	SURAJBHAN S/O KHUSHI RAM	
284	PATLI HAJIPUR	MEENA W/O SURENDER SINGH	
285	PATLI HAJIPUR	RAVI PRAKASH S/O DHARAM PAL	

286	PATLI HAJIPUR	SUNIL KUMAR S/O DHARM PAL	
287	PATLI HAJIPUR	RAJPAL S/O KHUSHI RAM	
288	PATLI HAJIPUR	SURAJBHAN S/O KHUSHI RAM	
289	PATLI HAJIPUR	JAGVANTI W/O SHIVJEET	
290	PATLI HAJIPUR	KHUSHHAL LAMBA S/O SHIVJEET LAMBA	
291	PATLI HAJIPUR	BHARTI LAMBA D/O SHIVJEET	
292	PATLI HAJIPUR	ARTI LAMBA D/O SHIVJEET	
293	PATLI HAJIPUR	VAISHALI LAMBA D/O SHIVJEET LAMBA	
294	PATLI HAJIPUR	NAVJEET SINGH S/O ISHWAR SINGH	
295	PATLI HAJIPUR	MEENA W/O SURENDER SINGH	
296	PATLI HAJIPUR	OM PRAKASH BHARDWAJ S/O RAM SAROOP BHARDWAJ	
297	PATLI HAJIPUR	DEVINDER KUMAR S/O SHER SINGH	
298	PATLI HAJIPUR	RAJENDRA PRASAD S/O SHER SINGH	
299	PATLI HAJIPUR	VED PARKASH S/O DEEP CHAND	
300	PATLI HAJIPUR	VIJAY KUMAR S/O DEEP CHAND	
301	PATLI HAJIPUR	SURENDER KUMAR S/O DEEP CHAND	
302	PATLI HAJIPUR	MAHENDER KUMAR S/O DEEP CHAND	
303	PATLI HAJIPUR	SATISH KUMAR SHARMA S/O DAYA RAM SHARMA	
304	PATLI HAJIPUR	YOGESH SHARMA S/O DAYA RAM	
305	PATLI HAJIPUR	DHARAM PAL S/O RAM CHANDER	
306	PATLI HAJIPUR	SATPAL S/O RAM CHANDER	
307	PATLI HAJIPUR	JASPAL S/O RAM CHANDER	
308	PATLI HAJIPUR	MOOL CHAND S/O MIR SINGH	
309	PATLI HAJIPUR	RAM KARAN S/O MIR SINGH	
310	PATLI HAJIPUR	CHANDRUP S/O MEER SINGH	
311	PATLI HAJIPUR	MUKESH S/O RAMPHAL	
312	PATLI HAJIPUR	PRAMJEET S/O RAMPHAL	
313	PATLI HAJIPUR	DEVINDER KUMAR S/O SHER SINGH	
314	PATLI HAJIPUR	RAJENDRA PRASAD S/O SHER SINGH	
315	PATLI HAJIPUR	OM PRAKASH BHARDWAJ S/O RAM SAROOP BHARDWAJ	

316	PATLI HAJIPUR	VED PARKASH S/O DEEP CHAND	
317	PATLI HAJIPUR	VIJAY KUMAR S/O DEEP CHAND	
318	PATLI HAJIPUR	SURENDER KUMAR S/O DEEP CHAND	
319	PATLI HAJIPUR	MAHENDER KUMAR S/O DEEP CHAND	
320	PATLI HAJIPUR	SATISH KUMAR SHARMA S/O DAYA RAM SHARMA	
321	PATLI HAJIPUR	YOGESH SHARMA S/O DAYA RAM	
322	PATLI HAJIPUR	RAJPAL S/O KHUSHI RAM	
323	PATLI HAJIPUR	SURAJBHAN S/O KHUSHI RAM	
324	PATLI HAJIPUR	RAVI PRAKASH S/O DHARAM PAL	
325	PATLI HAJIPUR	SUNIL KUMAR S/O DHARM PAL	
326	PATLI HAJIPUR	POONAM DEVI W/O KRISHAN KUMAR	
327	PATLI HAJIPUR	AZAD SINGH S/O SARUP SINGH	
328	PATLI HAJIPUR	JAGDISH S/O SARUP SINGH	
329	PATLI HAJIPUR	RAJ PAL S/O RISHAL	
330	PATLI HAJIPUR	PARVEEN S/O RAJENDER	
331	PATLI HAJIPUR	VIJENDER S/O RAM SINGH	
332	PATLI HAJIPUR	RAJPAL S/O KHUSHI RAM	
333	PATLI HAJIPUR	SURAJBHAN S/O KHUSHI RAM	
334	PATLI HAJIPUR	SURAJ BHAN S/O KHUSHI RAM	
335	PATLI HAJIPUR	RAVI PRAKASH S/O DHARAM PAL	
336	PATLI HAJIPUR	SUNIL KUMAR S/O DHARM PAL	
337	PATLI HAJIPUR	OM PRAKASH BHARDWAJ S/O RAM SAROOP BHARDWAJ	
338	PATLI HAJIPUR	DEVINDER KUMAR S/O SHER SINGH	
339	PATLI HAJIPUR	RAJENDRA PRASAD S/O SHER SINGH	
340	PATLI HAJIPUR	VED PARKASH S/O DEEP CHAND	
341	PATLI HAJIPUR	VIJAY KUMAR S/O DEEP CHAND	
342	PATLI HAJIPUR	SURENDER KUMAR S/O DEEP CHAND	
343	PATLI HAJIPUR	MAHENDER KUMAR S/O DEEP CHAND	
344	PATLI HAJIPUR	SATISH KUMAR SHARMA S/O DAYA RAM SHARMA	
345	PATLI HAJIPUR	YOGESH SHARMA S/O DAYA RAM	

346	PATLI HAJIPUR	PRIVATE LAND OWNER	
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Sr. No.	Village	Additional Land Acquisition 1 & 2 (Award Dated 27.05.2022 & 10.01.2024)	
		Common Land Onwerns	New Land Owners
1	SAIDPUR MOHAMMADPUR	BALKISHAN S/O OMWATI	MANJU BALA W/O SHRI NIWAS
2		PHOOL KUMAR S/O OMWATI	
3		SONU S/O OMWATI	
4		ANIL S/O OMWATI	
5		MUKESH KUMAR S/O PURAN	
6		SURESH KUMAR S/O PURAN	
7		KARTAR S/O PURAN	
8		ISHWAR SINGH S/O TULARAM	
9		ATTAR SINGH S/O TULARAM	
10		BALWAN SINGH S/O TULARAM	
11		BARFI DEVI W/O LT. DHANIRAM	
12		SUBHASH CHANDER S/O DHANIRAM	
13		SHRI BHAGWAN S/O DHANIRAM	

14		GOBIND S/O DHANIRAM	
15		JAI BHAGWAN S/O KANWAR LAL	
16		PRAVEEN KUMAR S/O RAMESH KUMAR	
17	SAIDPUR MOHAMMADPUR	ANIL KUMAR S/O RAMESH KUMAR	
18		DINESH KUMAR S/O KHAJAN SINGH	
19		JASMER S/O KHAJAN SINGH	
20		MAHESH KUMAR S/O HARIRAM	
21		RAM KUMAR S/O HARIRAM	
22		CHHOTA DEVI W/O LT. TULARAM	
23		KHAJAN SINGH S/O KRIPARAM	
24		RAMESH SINGH S/O KRIPARAM	
25		ANUP SINGH S/O JEETRAM	
26		BIMLA DEVI W/O LT. SARUP NARAYAN	
27		NITIN YADAV S/O SARUP NARAYAN	
28		DEEPAK YADAV S/O SARUP NARAYAN	
29	SONAL YADAV S/O SARUP NARAYAN		

30	KAMLESH DEVI W/O LT. JAI NARAYAN	
31	PRAVEEN S/O JAI NARAYAN	
32	DAULATRAM S/O JAI NARAYAN	
33	SATYANARAYAN S/O TEKCHAND	
34	SHAMSHER SINGH S/O RAGHBIR SINGH	
35	ANUP SINGH S/O RAGHBIR SINGH	
36	KARTAR SINGH S/O RAGHBIR SINGH	
37	KRISHAN S/O RAMNARAYAN	
38	SURENDER S/O RAMNARAYAN	
39	SATYANARAYAN S/O DEENA	
40	SUDARSHAN S/O SHISHRAM	
41	SHRI NIWAS YADAV S/O DHARMPAL	
42	LAL SINGH S/O PREM	
43	PUNIT S/O SURESH KUMAR	
44	NIKITA YADAV D/O SURESH KUMAR	
45	RAMESH S/O RAMNARAYAN	

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SAIDPUR
MOHAMMADPUR

RAJESH KUMAR S/O RAMNARAYAN	
NARENDER S/O RAMNARAYAN	
HARINDER S/O RAMNARAYAN	
SAJJAN SINGH S/O SHYONARAYAN	
MANOJ KUMAR S/O SHYONARAYAN	
ASHOK KUMAR S/O PRABHU DAYAL	
SUKESH S/O PRABHU DAYAL	
VINOD KUMAR S/O PRABHU DAYAL	
ANIRUDH S/O PRABHU DAYAL	
JAIBHAGWAN S/O PURAN SINGH	
DHARACHAND S/O BHIMKARAN	
MADANPAL S/O LALCHAND	
VISHNUDUTT S/O LALCHAND	
SHYAMA DEVI W/O LT. RAMESH CHAND	
SUMAN D/O RAMESH CHAND	
MANJU D/O RAMESH CHAND	

62		ANIL S/O RAMESH CHAND	
63		SUNIL S/O RAMESH CHAND	
64		SUBHASH KUMAR S/O OMPRAKASH	
65		SASHIBHAN S/O OMPRAKASH	
66	SAIDPUR MOHAMMADPUR	MANOJ S/O OMPRAKASH	
67		MAHENDER KUMAR S/O DIGHRAM	
68		HARICHAND S/O CHANDGI RAM	
69		JAI PRAKASH S/O RAM CHANDER	
70		SHIV PRAKASH S/O RAM CHANDER	
71	SAIDPUR MOHAMMADPUR	ANGARO D/O BHIMKARAN	
72		SHANTI D/O BHIMKARAN	
73		SUNDRAM S/O BHIMKARAN	
74		PURAN CHAND S/O BHIMKARAN	
75		RAJENDER S/O BHIMKARAN	
76		VIJAY KUMAR S/O HUKAMKAUR	
77		BONI S/O HUKAMKAUR	

78		OMPAL S/O RAM KANWAR	
79		RAJESH KUMAR S/O ATTAR SINGH	
80		HANSRAJ S/O ATTAR SINGH	
81		GEETA D/O ATTAR SINGH	
82		SUSHILA DEVI D/O ATTAR SINGH	
83		BIRMATI W/O LT. ATTAR SINGH	
84		CHANDER KRISHAN S/O BALKISHAN	
85		AVTAR KRISHAN S/O BALKISHAN	
86		BALRAJ KISHAN S/O GOPAL KRISHAN	
87		ANJALI D/O GOPAL KRISHAN	
88		MAHARAJ KISHAN S/O HARKISHAN DASS	
89		BIMLA W/O LT. BRIJKISHORE DASS	
90		SHIVRAJ S/O BRIJKISHORE	
91		MEERA D/O BRIJKISHORE	
92		MEENA D/O BRIJKISHORE	
93		RAJKRISHAN DASS S/O JAIKISHAN DASS	

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SAIDPUR
MOHAMMADPUR

KUSUM... W/O JAI KISHAN DASS	
VINA VESHAY D/O JAI KISHAN DASS	
MANJU GUPTA D/O JAI KISHAN DASS	
ABHISHEK DASS S/O VINAY KISHAN DASS	
SUMANDASS W/O LT. VINAY KISHAN DASS	
RAM AVTAR S/O MAMCHANDER	
RAJESH D/O SHADIRAM	
BABLI D/O SHADIRAM	
KITABO W/O LT. SHADIRAM	
LOKRAM S/O LAL CHAND	
DINDAYAL S/O LAL CHAND	
HUKAM SINGH S/O LAL CHAND	
JAI KAUR D/O LAL CHAND	
CHETAN AANAND S/O CHETRAM	
ANIL KUMAR S/O CHETRAM	
KAMLESH D/O CHETRAM	

110		KRISHNA W/O LT. CHETRAM	
111		DHARMENDER KUMAR S/O SHADIRAM	
112	SAIDPUR MOHAMMADPUR	SANTOSH W/O LT. AJIT SINGH	
113		NARESH KUMAR S/O GULAB SINGH	
114		ASHOK KUMAR S/O GULAB SINGH	
115		JAGDEV SINGH S/O GULAB SINGH	
116		DINESH KUMAR S/O GULAB SINGH	
117		SHIVKUMAR S/O GULAB SINGH	
118		RAJKUMAR S/O GULAB SINGH	
119		MUNESH KUMAR S/O BASTIRAM	
120		GAURAV S/O SURESH KUMAR	
121		MANISH S/O SURESH KUMAR	
122		URMILA DEVI W/O RAJKUMAR	
123		NEERAJ S/O RAJKUMAR	
124		YOGENDER S/O RAJKUMAR	
125		MAHENDER SINGH S/O CHANDER SINGH	

126	SAIDPUR MOHAMMADPUR	RADHEY SHAM URF BISHMBER S/O CHANDER SINGH	
127		KRISHAN KUMAR S/O CHANDER SINGH	
128		MUKESH S/O DHARAMBIR	
129		KULDEEP S/O DHARAMBIR	
130		PANCHAYAT	
131		PANCHAYAT	

Sr. No.	Village	Additional Land Acquisition 1 & 2 (Award Dated 27.05.2022 & 10.01.2024)	
		Common Land Onwers	New Land Owners
1	SULTANPUR	MANOJ KUMAR S/O KRIPAL	SUNIL S/O ROHTASH
2		MAGHAV SINGH S/O KIRPAL SINGH	SHRIPAL S/O KRISHAN
3		KAY KAY ROYAL APARTMENTS PVT LTD	DEV S/O RAVINDER
4		KAY KAY ROYAL APARTMENTS PVT LTD	VANSH S/O RAVINDER
5		MUKESH S/O SHIV NARAIN	SOMBIR S/O NARAYAN SINGH
6		KAMLESH URF SARUPI W/O MAM CHAND	SUSHMA WIDOW RATIPAL
7		PHOOL SINGH S/O SHIV NARAIN	VIDHI D/O RATIPAL
8		BIJENDER S/O SHIVNARAYAN SAINI	HARSHITA D/O RATIPAL
9		NARESH S/O SHIVNARAYAN SAINI	DEEPANSHU S/O RATIPAL
10		RAJESH KUMAR SAINI S/O SHIV NARAYAN SAINI	MAHIPAL S/O NARAYAN SINGH
11		KARAN SINGH S/O JAG RAM	BRIJNANDAN SHARMA S/O SATYANARAYAN
12		HARIKESH S/O JAGRAM	ANITA DEVI W/O PURAN SINGH
13		SAVITRI W/O BIRENDER	VAISHALI
14		KAMLESH W/O SURAJ PAL	SATISH KUMAR SHARMA S/O RAMCHANDER
15		SEEMA RANI D/O SURAJ PAL	KAPIL DEV S/O MAMCHANDER
16		RAMWATI DEVI W/O JAGDEV SINGH	PAVITRA D/O MAMCHANDER
17		DINESH KUMAR S/O HARIRAM	BIMLA GUPTA W/O HARENDER GUPTA
18		RAJU SHARMA S/O BABULAL	SATPRAKASH S/O BABULAL
19		MANJU SINGH W/O VINAY SINGH	SATYJEET S/O BABULAL
20	SULTANPUR	MEENA DEVI W/O ANIL SINGH	SARITA D/O BABULAL
21		MEERA DEVI W/O YASHWANT KUMAR	GEETA DEVI W/O SHAMSHER SINGH
22		SAVRANLATA W/O RAJENDER PRASAD	ANITA SHARMA W/O JAGDISH SHARMA

23		MAHESH KUMAR S/O LAL CHAND	GEETA W/O KRISHAN SAINI
24		LAJWANTI W/O SURESH KUMAR	SANTRA DEVI WO BANWARI LAL
25		SUNITA KUMARI W/O PRADEEP KUMAR	BEENA W/O MANEET KUMAR
26		SHASHI DEVI W/O MAHENDER SINGH	BISHMBER DAYAL YADAV S/O NETR PAL YADAV
27	SULTANPUR	SANTOSH KUMAR SAHA S/O HARDEV SAHA	ANUJ KUMAR S/O MEER SINGH
28		SANJAY KUMAR SAHA S/O RAJENDER SAHA	LAXMI DEVI W/O DUMARMAL
29		SAROJ W/O MANGAL SINGH	OMWATI W/O OMPRAKASH
30		BHAGWATI W/O DHARAM PAL	SHANTI DEVI W/O BRIJLAL SHARMA
31		RAMWATI W/O KRIPAL SINGH	SHYAMVEER SINGH S/O RAJPAL SINGH
32		BIMLA DEVI W/O DHARAMPAL SINGH	MONIKA BHARDWAJ W/O SUNIL SHARMA
33		POONAM DEVI W/O ROHIT KUMAR	RAJESH S/O SURENDER
34		DEVENDER SINGH S/O KARAN SINGH	SUNITA TYAGI W/O NARESH TYAGI
35		OM BATI S/O OM PARKASH	MANBAI W/O KUNDAN SINGH
36		RAKESH S/O OM PRAKASH	NANDLAL S/O KUNDAN SINGH
37		RAJESH S/O OM PARKASH	HASINA W/O KABIRSAR
38		BRIJ PAL SINGH S/O OM PARKASH	LATA DEVI W/O LALSINGH
39		NARESH KUMAR S/O RAVINDER SINGH	BABITA W/O KANWAR PAL
40		VIRENDER SINGH S/O KARAN SINGH	SUNITA YADAV W/O PRADEEP SINGH
41		ASHOK KUMAR S/O B S CHAUHAN	SUDESH YADAV W/O JAIDEEP SINGH
42		MAHENDER SINGH S/O KARAN SINGH	CHAMELI DEVI W/O RAMESH CHAND
43		RAJ KUMAR S/O ROOP SINGH	JYOTI RATHOR W/O RAVINDER SINGH
44		RAKESH KUMAR S/O DULI CHAND	ANJLI W/O BIJENDER SINGH
45		J.&G TRANSFORMERS	LAXMI DEVI W/O JOGIRAM
46		J&G TRANSFORMERS	PARPIT W/O USHIL
47		L M J CONSULTANCY PRIVATE LIMITED	KIRAN KATARIYA W/O PAWAN KUMAR
48	L M J CONSULTANCY PRIVATE LIMITED	INDUBALA W/O SANJEEV KUMAR	
49	MAMAN SINGH S/O SHEO SARAN	MANISH KUMAR S/O KAMLESH	

50		M/S KAY KAY ROYAL APARTMENTS PVT LTD	SAROJ DEVI W/O MAMRAJ
51		GYAN SINGH S/O NIHAL	ABITA DEVI W/O NARAYAN SINGH
52		MAHABIR SINGH S/O ROOP SINGH	PARMILA DEVI W/O AMAR SINGH
53		KULDIP SINGH S/O CHAMELA RAM	SAROJ DEVI W/O BABULAL
54		DHARAMVIR SINGH S/O CHAMELA RAM	ASHA W/O AJEET
55	SULTANPUR	SURESH KUMAR SHARMA S/O VED PARKASH SHARMA	RAVIDUTT S/O AMAR SINGH
56		M/S KAY KAY ROYAL APARTMENTS PVT LTD	PRADEEP KUMAR S/O AMAR SINGH
57		M/S KAY KAY ROYAL APARTMENTS PVT LTD	PRADEEP S/O SURENDER
58		M/S KAY KAY ROYAL APARTMENTS PVT LTD	MAMTA W/O RAJENDER
59		DEVINDER S/O RAMKISHAN	RAMESH KUMAR S/O MADURAM
60		NAGENDER S/O RAMCHANDER	VANDNA SINGHAL W/O ANUP SINGHAL
61		SUBHASH S/O SHYONATH	MAMTA RANI W/O BHUSAN KUMAR
62		M/S KAY KAY ROYAL APARTMENTS PVT LTD	SARITA W/O LALIT KUMAR
63		DHARAM SINGH S/O NTHAL SINGH	KRISHAN W/O ABHAY SINGH
64		MAHABIR S/O ROOP SINGH	SUNITA W/O RAMGOPAL
65		GYAN SINGH S/O NIHAL SINGH	SHILA DEVI W/O MAHESH RANA
66		RAKESH KUMAR S/O DULICHAND	GAURAV KALRA S/O LAJPTRAI KALRA
67		BEDI W/O LT. DULICHAND	KRISHNA DEVI W/O OMPRAKASH
68		THAN SINGH S/O RAGHBIR SINGH	MOHAN LUHASKA S/O PASUPATINATH
69		RAMESH S/O RAGHBIR SINGH	PREM W/O DULICHAND
70		KRISHNA DEVI D/O RAGHBIR SINGH	ANUP DEVI W/O HIRA SINGH
71		MAMRAJ DATTAK S/O ROOPKAUR	JITENDER S/O RAMKISHAN
72		HIRA SINGH S/O NATHWA	BARFI W/O HARI SINGH
73		JAGMAL S/O ISHWAR SINGH	RUPA AGRWAL W/O MUKESH KUMAR
74		JAGDISH S/O ISHWAR SINGH	ANITA DEVI W/O JAGBIR SINGH
75		SURESH KUMAR S/O SHISHPAL	SUDHIR S/O NARAYAN SINGH
76		NARESH KUMAR S/O SHISHPAL	SUMAN W/O OMESH YADAV
77		MANOJ KUMAR S/O SHISHPAL	RAHUL S/O SUBHASH

78		UPENDER KUMAR S/O SHISHPAL	KALAWATI W/O SURESH KUMAR
79		GAJE SINGH S/O MAMKAUR	PRIYA D/O BHIM SINGH
80		SADAKAUR D/O MAMKAUR	PRIYANKA GUPTA W/O VIKASH GUPTA
81		RAJKAUR D/O MAMKAUR	SAVITA W/O RAJENDER KUMAR
82		CHHAGAN WIDOW KESAR	MOHIT GOYAL S/O RAJENDER GOYAL
83	SULTANPUR	NARENDER SINGH S/O KESAR	ANURADAHA THAPAR W/O ASHWANI KUMAR THAPAR
84		JOGENDER SINGH S/O KESAR	ANIL KUMAR S/O NAVAL SINGH
85		SANJAY SINGH S/O KESAR	JANAK SETH W/O RAVINDER KUMAR SETH
86		SUSHILA D/O KESAR	BIRENDER SINGH S/O KUNDAN SINGH
87		RAJENDER SINGH S/O GUMAN SINGH	KULDEEP S/O SURESH KUMAR
88		VIRENDER SINGH S/O GUMAN SINGH	HARPAL S/O BANWARI
89		MANOJ SINGH S/O GUMAN SINGH	BHAWNA D/O PRADEEP KUMAR
90		KIRAN KANWAR WIDOW GUMAN SINGH	SOBHA RANI W/O SARUP SINGH
91		RAJPAL D/O MANGLIYA	SASHI W/O RAMNIVAS
92		KRISHAN S/O RAJKUMAR	SONIKA SHARMA W/O BIPIN SHARMA
93		SUKHBIR S/O RAJKUMAR	DINESH KUMAR S/O RAJKUMAR
94		SURENDER S/O RAJKUMAR	
95		NEETU D/O RAJKUMAR	
96		AMRO WIDOW RAJKUMAR	
97		SATNARAYAN S/O	
98		ASHA DEVI D/O	
99		GEETA DEVI D/O	
100		PUSHPA WIDOW AMAR SINGH	
101		VIKRAM S/O MAHIPAL	
102		MANOJ KUMAR S/O MAHIPAL	
103	RATNESH WIDOW MAHIPAL		
104	MAHA SINGH URF MAHESH S/O CHHAJAN SINGH		
105	KAVAL SINGH S/O MAKHAN		

106		UDAY SINGH S/O	
107		PURAN SINGH S/O	
108		SURAJ BAI D/O HARSRUP	
109		KIRAN BAI D/O HARSRUP	
110		JAGAT SINGH S/O	
111	SULTANPUR	AMAR SIGNH S/O	
112		HARIKISHAN S/O	
113		SANYOGITA D/O MASUDI	
114		JAIBIR S/O AJAYPAL	
115		MANBIR S/O AJAYPAL	
116		DHARMBIR S/O AJAYPAL	
117		KAVITA D/O AJAYPAL	
118		VIJAY SINGH S/O KELA	
119		ANUP SINGH S/O KELA	
120		SHANTI D/O KELA	
121		KIRAN D/O KELA	
122		RAMPATI D/O KELA	
123		SHIVCHARAN S/O HARDHAN SINGH	
124		JAGAT SINGH S/O HARDHAN SINGH	
125		REKHA SINGH S/O HARDHAN SINGH	
126		MAMAN SINGH S/O SHIV CHARAN	
127		RAJSINGH S/O SHIV CHARAN	
128		SATISH KUMAR S/O SHIV CHARAN	
129		PAWAN SINGH S/O SHIV CHARAN	
130		MAN SINGH S/O KALJI SINGH	
131		KRIPAL SINGH S/O DEVI SINGH	
132	PRAKASH DEVI WIDOW DEVI SINGH		
133	SHANTI DEVI D/O DEVI SINGH		

134		URMILA DEVI D/O DEVI SINGH	
135		NIRMALA DEVI D/O DEVI SINGH	
136		BIMLA DEVI D/O DEVI SINGH	
137		SUDESH KUMARI D/O DEVI SINGH	
138		RANPAL S/O JAGMAL	
139	SULTANPUR	NANAK S/O JAGMAL	
140		RAMOTAR S/O JAGMAL	
141		REKHA DEVI WIDOW KANWAR SINGH	
142		SANJAY S/O KANWAR SINGH	
143		VIJAY S/O KANWAR SINGH	
144		MANJU D/O KANWAR SINGH	
145		SAPNA D/O KANWAR SINGH	
146		KARAN SINGH S/O KALAWATI	
147		MANSINGH S/O KALAWATI	
148		PURAN SINGH S/O KALAWATI	
149		SURSATI D/O KALAWATI	
150		BAHE D/O KALAWATI	
151		MAGEJ D/O KALAWATI	
152		SANTBAI D/O KALAWATI	
153		PREMBAI D/O KALAWATI	
154		BIMLA D/O KALAWATI	
155		DHARMPAL S/O LAXMI	
156		RUPWATI D/O LAXMI	
157		RAMWATI D/O LAXMI	
158		BIMLA D/O LAXMI	
159		MANJU DEVI D/O LAXMI	
160		RADHA DEVI D/O LAXMI	
161		JAIBIR S/O AJAYPAL	

162		MANBIR S/O AJAYPAL	
163		DHARMBIR S/O AJAYPAL	
164		KAVITA D/O AJAYPAL	
165		MADAN SINGH S/O SUBE SINGH	
166		RAJBALA D/O SUBE SINGH	
167	SULTANPUR	SITA DEVI D/O SUBE SINGH	
168		GEETA DEVI D/O SUBE SINGH	
169		RAMBATI D/O SUBE SINGH	
170		GAYTRI WIDOW SUBE SINGH	
171		LAJWANTI W/O SURESH KUMAR	
172		SANJAY S/O KANWAR SINGH	
173		BHANWAR SINGH S/O APHLATUN	
174		NARENDER SINGH S/O APHLATUN	
175		BHUPENDER SINGH S/O APHLATUN	
176		JEET KUMAR S/O MAMAN SINGH	
177		MADAN SINGH S/O MAMAN SINGH	
178		PRADEEP KUMAR S/O MAMAN SINGH	
179		BALKISHAN S/O NIHAL CHAND	
180		RAMESH S/O NIHAL CHAND	
181		SAVITRI D/O NIHAL CHAND	
182		KUSUM W/O LT. SATYDEV	
183		ARUN S/O SATYDEV	
184		NISHA D/O SATYDEV	
185		USHA D/O SATYDEV	
186		SANDHYA D/O SATYDEV	
187		SATISH S/O SATYA	
188		NALINI D/O SATYA	
189	KAUSHALYA W/O LT. LAXMINARAYAN		

190		PARTIMA W/O LT. SUDHIR SHARMA	
191		SUPRITI D/O SUDHIR SHARMA	
192		L M J CONSLTANCY PVT LTD	
193		BALKISHAN S/O NIHALCHAND	
194		RAMESH S/O NIHALCHAND	
195	SULTANPUR	SAVITRI D/O NIHALCHAND	
196		KUSUM W/O LT. SATYDEV	
197		ARUN S/O SATYDEV	
198		NISHA D/O SATYDEV	
199		USHA D/O SATYDEV	
200		SANDHYA D/O SATYDEV	
201		SATISH S/O SATYA	
202		NALINI D/O SATYA	
203		KAUSHALYA W/O LT. LAXMI NARAYAN	
204		PARTIMA SHARMA W/O LT. SUDHIR SHARMA	
205		SUPRITI D/O SUDHIR SHARMA	
206		L M J CONSULTANCY PVT LTD	
207		ABHAY SINGH S/O JAGDISH	
208		VISHNU S/O RAMPHAL	
209		SARLA W/O LT. HARPAL SINGH	
210		GOVIND KUMAR S/O HARPAL SINGH	
211		YOGESH KUMAR S/O HARPAL SINGH	
212		KAMLESH W/O LT. CHIRANJI LAL	
213		PRADEEP S/O CHIRANJI LAL	
214		SATPAL S/O POHAP SINGH	
215	KASTURI W/O LT. POHAP SINGH		
216	SURESH CHAND S/O SHRI KISHAN		
217	NAVEEN GUPTA S/O SURESH CHAND		

218		TARUN GUPTA S/O SURESH CHAND GUPTA	
219		USHA GUPTA W/O SURESH CHAND GUPTA	
220		NITESH BINDAL S/O NARESH BINDAL	
221		SHASHI BINDAL W/O NARESH BINDAL	
222		HITESH GOEL S/O KAILASH CHAND GOEL	
223	SULTANPUR	KAY KAY ROYAL APARTMENTS PVT LTD	
224		KAY KAY ROYAL APARTMENTS PVT LTD	
225		SURENDER KUMAR S/O OMPRAKASH	
226		HUKAM SINGH S/O SUMER SINGH	
227		RAMCHAND S/O SUMER SINGH	
228		LAXMAN SINGH S/O SUMER SINGH	
229		ANOOP DEVI D/O SUMER SINGH	
230		SHANTI D/O SUMER SINGH	
231		RAJWATI D/O SUMER SINGH	
232		SANTRA D/O SUMER SINGH	
233		MANISH S/O PAWAN KUMAR	
234		ANUJ S/O PAWAN KUMAR	
235		REKHA SINGH D/O HARDHAN SINGH	
236		JAGAT SINGH S/O HARDHAN SINGH	
237		SANJANA DEVI D/O HARDHAN SINGH	
238		JEET KUMAR S/O MAMAN SINGH	
239		MADAN SINGH S/O MAMAN SINGH	
240		PRADEEP KUMAR S/O MAMAN SINGH	
241		UDAY SINGH S/O HARSWAROOP	
242		PURAN SINGH S/O HARSWAROOP	
243		CHARAN BAI D/O HARSWAROOP	
244		PRAHLAD S/O ATTAR BAI	
245		SAKHAN S/O KIRAN BAI	

246		MULA SINGH S/O KIRAN BAI	
247		SAKUNTALA D/O KIRAN BAI	
248		KAMLESH W/O LT. JAI SINGH	
249		RAJESH S/O JAI SINGH	
250		HARISINGH S/O SURAJ BAI	
251	SULTANPUR	RAMJIVAN S/O SURAJ BAI	
252		SAVITRI D/O SURAJ BAI	
253		BED BAI D/O SURAJ BAI	
254		MAN SINGH S/O KALJI	
255		SHANTI D/O DEVI SINGH	
256		URMILA D/O DEVI SINGH	
257		BIMLA D/O DEVI SINGH	
258		NIRAMALA D/O DEVI SINGH	
259		SUDESH KUMARI D/O DEVI SINGH	
260		MANOJ KUMAR S/O KRIPAL SINGH	
261		MADHAV SINGH S/O KRIPAL SINGH	
262		SUSHMA D/O KRIPAL SINGH	
263		RAJNI D/O KRIPAL SINGH	
264		SITU D/O KRIPAL SINGH	
265		NEETU D/O KRIPAL SINGH	
266		RAMBATI W/O LT. KRIPAL SINGH	
267		IMRAT SINGH S/O PRATAP SINGH	
268		RANSINGH S/O PRATAP SINGH	
269		SURAJPAL S/O PRATAP SINGH	
270		SAKUNTALA W/O LT. JAI INDER	
271		RANBIR SINGH S/O JAI INDER	
272		KAMLESH D/O JAI INDER	
273		KRISHNA W/O LAKHHA SINGH	

274		JAGAT SINGH S/O MUSADDI	
275		AMAR SINGH S/O MUSADDI	
276		HARIKISHAN S/O MUSADDI	
277		JAIBIR SINGH S/O AJAY PAL	
278		MANBIR SINGH S/O AJAY PAL	
279	SULTANPUR	DHARAMBIR SINGH S/O AJAY PAL	
280		SAVITA D/O AJAY PAL	
281		VIJAY SINGH S/O KELA DEVI	
282		ANOOB SINGH S/O KELA DEVI	
283		SHANTI D/O KELA DEVI	
284		KIRAN D/O KELA DEVI	
285		RAMVATI D/O KELA DEVI	
286		PARATH SINGH S/O CHETRAM	
287		DHARAMBIR S/O SARJEET SINGH	
288		BUDH SINGH S/O SARJEET SINGH	
289		RAJ SINGH S/O SARJEET SINGH	
290		SUNDER SINGH S/O SARJEET SINGH	
291		HANUMAN S/O ASARFI	
292		PURAN SINGH S/O ASARFI	
293		PARWAT SINGH S/O ASARFI	
294		MAMKAUR D/O ISHWAR SINGH	
295		VIKRAM SINGH S/O RANPAL SINGH	
296		SADHNA D/O DINESH	
297		NANAK S/O JAGMAL SINGH	
298		RAMOTAR S/O JAGMAL SINGH	
299		DHARMWATI D/O JAGMAL SINGH	
300		RAMWATI D/O JAGMAL SINGH	
301		SURESH KUMAR S/O SHISHPAL	

302		NARESH KUMAR S/O SHISHPAL	
303		MANOJ KUMAR S/O SHISHPAL	
304		UPENDER KUMAR S/O SHISHPAL	
305		JAGDISH S/O ISHWAR SINGH	
306		SHANTI D/O ISHWAR SINGH	
307	SULTANPUR	MANGEJ D/O ISHWAR SINGH	
308		UDAY S/O SAKUNTALA	
309		SANYOGITA D/O MUSADDI	
310		SUBE SINGH S/O MANGAL SINGH	
311		RAJPAL S/O MANGAL SINGH	
312		KRISHAN S/O RAJKUMAR	
313		SUKHBIR S/O RAJKUMAR	
314		SURENDER S/O RAJKUMAR	
315		NEETU D/O RAJKUMAR	
316		AMRO W/O LT. RAJKUMAR	
317		PUSHPA DEVI W/O LT. AMAR SINGH	
318		SATYANARAYAN S/O AMAR SINGH	
319		AASHA D/O AMAR SINGH	
320		GEETA D/O AMAR SINGH	
321		RATNESH W/O LT. MAHIPAL	
322		VIKRAM S/O MAHIPAL	
323		MANOJ KUMAR S/O MAHIPAL	
324		SANJAY KUMAR S/O KANWAR SINGH	
325		DHARAMPAL S/O LAXMI	
326		ROOPWATI D/O LAXMI	
327		RAJWATI D/O LAXMI	
328		BIMLA D/O LAXMI	
329		MANJU DEVI D/O LAXMI	

330		RADHA DEVI D/O LAXMI	
331		KARAN SINGH S/O KALAWATI	
332		MANSINGH S/O KALAWATI	
333		PURAN SINGH S/O KALAWATI	
334		SURTI BAI D/O KALAWATI	
335	SULTANPUR	MANGEJ D/O KALAWATI	
336		SANTRA BAI D/O KALAWATI	
337		PREM BAI D/O KALAWATI	
338		BIMLA DEVI D/O KALWATI	
339		REKHA DEVI D/O KALAWATI	
340		SANJAY D/O KANWAR SINGH	
341		MANJU D/O KANWAR SINGH	
342		SAPNA D/O KANWAR SINGH	
343		KAMLA W/O LT. KARTAR SINGH	
344		NARESH S/O KARTAR SINGH	
345		VINOD S/O KARTAR SINGH	
346		MANJU S/O KARTAR SINGH	
347		PRITAM S/O KARTAR SINGH	
348		DARSHNA D/O KARTAR SINGH	
349		SUNITA D/O KARTAR SINGH	
350		AASHA D/O KARTAR SINGH	
351		SURESH CHAND S/O SHRI KISHAN	
352		KAPOORI DEVI W/O LT. PARASRAM	
353		SHRI NIWAS S/O PARASRAM	
354		MAHESH CHAND S/O PARASRAM	
355		MAHENDER KUMAR S/O PARASRAM	
356		RAHUL TYAGI S/O SURENDER TAYAGI	
357		RAM GOPAL EDUCATIONAL SOCIETY	

358		MUNSHI SINGH S/O DURJAN SINGH	
359		SANTOSH W/O OMPAL	
360		LALEET SINGH URF DEEPAK S/O CHIRANJI SINGH	
361		MANOJ SINGH S/O CHARANJEET SINGH	
362		PREETI D/O CHIRANJI SINGH W/O BIJENDER SINGH	
363	SULTANPUR	MANJU DEVI W/O DASHRATH SINGH	
364		OMWATI W/O CHIRANJI SINGH	
365		SUMITRA DEVI W/O RAM NATH SINGH	
366		VIJAY PAL S/O SUMER SINGH	
367		OM PRAKASH S/O SHIV NARAIN	
368		TEJ PAL SINGH S/O SHEONARAIN SINGH	
369		SATISH KUMAR S/O JAIBIR SINGH	
370		SUNIL CHAUHAN S/O JAIBIR SINGH	
371		ANITA W/O NAR SINGH	
372		VEENA DEVI W/O JAIBIR SINGH	
373		SAURAV CHAUHAN S/O NIRANJAN SINGH	
374		CHHAVI CHAUHAN D/O NIRANJAN SINGH CHAUHAN	
375		BINA DEVI W/O NIRANJAN SINGH	
376		HARENDER SINGH S/O RAM NATH SINGH	
377		DEVENDAR SINGH S/O RAM NATH SINGH	
378		NARENDER KUMAR S/O RAM NATH SINGH	
379		DINESH CHAUHAN S/O RAM NATH SINGH	
380		KANHYA SINGH CHAUHAN S/O RAMAVTAR SINGH CHAUHAN	
381		MUKESH S/O JAGDISH	
382		BIMLA DEVI W/O SHRI BHAGWAN	
383		HEMLATA W/O DHARAM SINGH	
384		DEEPA W/O RAVI PRAKASH	
385		MUKESH KUMAR S/O SHRI BHAGWAN	

386		ANIL KUMAR S/O HARDWARI SINGH	
387		SURENDER SINGH S/O ARJUN SINGH CHAUHAN	
388		BABU SINGH S/O ARJUN SINGH	
389		VIJAY KUMAR CHAUHAN S/O RAM KUMAR SINGH	
390		AJAY CHAUHAN S/O RAMKUMAR	
391	SULTANPUR	KANTA W/O JAGDISH	
392		NIRMALA DEVI W/O KAWAL SINGH	
393		MANOJ KUMAR S/O JAGDISH KUMAR	
394		SUDHIR KUMAR S/O JAGDISH SINGH	
395		POONAM W/O JAY PRAKASH	
396		KANTA W/O JAGDISH	
397		RAKESH SINGH S/O LAXMAN SINGH	
398		SUMANLATA W/O RAMKISHAN	
399		RAMESH S/O HARNARAYAN	
400		BALWAN SINGH S/O HARIRAM	
401		SATBIR SINGH S/O HARIRAM	
402		NARENDER SINGH S/O DAYANAND	
403		POONAM D/O DAYANAND	
404		ANUPAM D/O DAYANAND	
405		RUPAM D/O DAYANAND	
406		SANNO DEVI WIDOW DAYANAND	
407		SATBIR S/O RAGHBIR	
408		MANJU SHARMA D/O RAJDULARI	
409		MAHENDER KUMAR S/O RAJDULARI	
410		RAJKUMAR SHARMA S/O RAJDULARI	
411		MAYA SHARMA WIDOW PRITAM KUMAR	
412		KAMLAKANT S/O PRITAM KUMAR	
413		SUSHANT S/O PRITAM KUMAR	

414		SECRETARY SHRI GURGAON GOWSHALA SABHA GOWSHALA CHAVANI GURGAON	
415		DINESH S/O SUBHRAM	
416		NEELAM JAIN W/O VIJAY JAIN	
417		RAJESH KUMAR S/O LAL CHAND	
418		HARI PARKASH S/O LAL CHAND	
419	SULTANPUR	DASHRATH S/O RAMESH	
420		RAJ SINGH S/O RAMESH	
421		RANGLAL S/O RAMESH	
422		BABLAL S/O RAMESH	
423		BIMLA W/O LT. RAMESH	
424		DEEPAK S/O KRISHAN	
425		PRAVESH S/O KRISHAN	
426		SAMWANTI W/O LT. KRISHAN	
427		VED SINGH S/O RAGHUBIR	
428		NIHAL SINGH S/O RAGHU BIR SINGH	
429		DAVINDER SINGH S/O INDRAJ SINGH	
430		MALKHAN SINGH S/O INDRAJ SINGH	
431		GOVERDHAN SINGH S/O NEPAL SINGH	
432		JAINDER SINGH S/O NEPAL SINGH	
433		VINOD KUMAR S/O NEPAL SINGH	
434		SHISHPAL SINGH S/O BHAG SINGH	
435		ASHUTOSH S/O AJIT SINGH	
436		SAPNA DEVI W/O NARENDER SINGH	
437		PRATIK S/O VINAY PRATAP	
438		NISHITA D/O VINAY PRATAP	
439		RENU W/O VINAY PRATAP	
440		GUDDI DEVI W/O SURAJ PAL	
441		JAIBIR SINGH S/O OMPAL SINGH	

442		SUKHBIR SINGH S/O OM PAL SINGH	
443		MOOL CHAND S/O CHATTAR SINGH	
444		BABU SINGH S/O CHHATAR SINGH	
445		RAMWATI DEVI W/O JAGDEV SINGH	
446		SHIV KUMAR S/O JAGDEV SINGH	
447	SULTANPUR	VIRENDER SINGH S/O JAGDEV SINGH	
448		PARDEEP KUMAR S/O BHIM SINGH	
449		GUDDI DEVI W/O SURAJ PAL	
450		SHIV KUMAR S/O SURAJ SINGH	
451		RAHUL S/O SURAJ PAL	
452		REETA DEVI W/O SUDHIR	
453		SUDHA DEVI W/O AJIT SINGH	
454		HARENDER SINGH S/O RAM NATH SINGH	
455		DEVENDAR SINGH S/O RAM NATH SINGH	
456		NARENDER KUMAR S/O RAM NATH SINGH	
457		DINESH CHAUHAN S/O RAM NATH SINGH	
458		MAHENDER SINGH S/O RAMLAL	
459		BIJENDER SINGH CHAUHAN S/O RAM LAL SINGH CHAUHAN	
460		REKHA DEVI D/O RAM LAL SINGH	
461		SUMIT W/O MENPAL	
462		UMESH CHAUHAN S/O JAGMAL SINGH CHAUHAN	
463		TARUNESH CHAUHAN S/O JAGMAL SINGH	
464		NEELAM RATHORE W/O ABHAY SINGH RATHORE	
465		SHIVAM CHAUHAN S/O YOGESH KUMAR CHAUHAN	
466		APOORVA W/O VARUN KUMAR SINGH	
467		USHA CHAUHAN W/O YOGESH CHAUHAN	
468		ISHAN CHAUHAN S/O LOVESH CHAUHAN	
469		SHIVASTHA CHAUHAN D/O LOVESH CHAUHAN	

470		SHAIL BALA W/O LOVESH CHAUHAN	
471		RK GOYAL S/O RP GOYAL	
472		SUDHIR SINGH CHAUHAN S/O UDAY SINGH CHAUHAN	
473		SANJAY CHAUHAN S/O JAIPAL SINGH CHAUHAN	
474		BHANWAR WATI W/O JAIPAL SINGH CHAUHAN	
475	SULTANPUR	SUNIL KUMAR S/O BHURIYA	
476		PRAVESH CHAUHAN S/O BHURIA SINGH	
477		RAJAN DEVI W/O BHURIA SINGH CHAUHAN	
478		BINTU KUMAR S/O BHOORIYA SINGH	
479		GAJ RAJ SINGH S/O MANGAL SINGH	
480		SURAJ PRAKASH YADAV S/O USHA DEVI	
481		LOKESH S/O USHA DEVI	
482		SHAKUNTLA DEVI W/O RAM KANWAR	
483		RAJESH W/O BALBIR	
484		MANISH KUMAR S/O BALBIR SINGH	
485		NISHA W/O JONI	
486		GEETA YADAV W/O BIJENDER	
487		SURESH S/O RAMKANWAR	
488		RAM DHAN S/O RAM KANWAR	
489		KRISHAN YADAV S/O RAM KANWAR YADAV	
490		SATYAWATI W/O BALJIT SINGH	
491		SAPNA W/O DAYAPAL YADAV	
492		KALAWATI W/O LT. PYARELAL	
493		SANTOSH D/O PYARELAL	
494		PREMLATA D/O PYARELAL	
495		MEERA D/O PYARELAL	
496		SMT. KALAWATI MATA	
497		ASHA W/O LT. JAGDISH	

498		LOKESH S/O JAGDISH	
499		UDITA D/O JAGDISH	
500		SRISHTI D/O JAGDISH	
501		BIJENDER SINGH S/O CHANDGIRAM	
502		VIJAY SINGH S/O RAJ SINGH	
503	SULTANPUR	AJAY S/O RAJ SINGH	
504		SUDHIR KUMAR S/O PITAMBER DUTT	
505		HIMAL GUPTA S/O GULSHAN GUPTA	
506		DHANPATI W/O RAMNIWASH	
507		SHRIPAL S/O RAM NIWAS	
508		RAJESH DEVI W/O BIJENDER	
509		NARAYAN S/O SARJEET SINGH	
510		RAMPAL S/O SARJEET SINGH	
511		RAMKISHAN S/O SARJEET SINGH	
512		KRISHANA D/O SARJEET SINGH	
513		GEETA D/O SARJEET SINGH	
514		BALWAN SINGH S/O MAHA SINGH	
515		SHER SINGH S/O MAHA SINGH	
516		NARAYAN S/O SARJEET SINGH	
517		RAMPAL S/O SARJEET SINGH	
518		RAMKISHAN S/O SARJEET SINGH	
519		KRISHANA DEVI D/O SARJEET SINGH	
520		GEETA DEVI D/O SARJEET SINGH	
521		SHRI BHAGWAN S/O RAMNATH	
522		ABHAY SINGH S/O JAGDISH	
523		VISHNU DUTT S/O RAMPHAL	
524		SATPAL S/O POHAP SINGH	
525		KISTURI W/O LT. POHAP SINGH	

526	SULTANPUR	SARLA DEVI W/O LT. HARPAL SINGH	
527		GOVIND KUMAR S/O HARPAL SINGH	
528		YOGESH KUMAR S/O HARPAL SINGH	
529		KAMLESH W/O CHIRANJI LAL	
530		PRADEEP S/O CHIRANJI LAL	
531		MANJEET S/O SH DAL CHAND	
532		SHRIPAL S/O DALCHAND	
533		BHAGOTI W/O MOHINDER SINGH	
534		MANJU W/O OM KUMAR	
535		AADITYA S/O OMKAR	
536		GAUTAM S/O OMKAR	
537		SUMAN W/O HARPAL SINGH	
538		GAURAV KUMAR S/O HARPAL SINGH	
539		SACHIN YADAV D/O HARPAL SINGH	
540	SULTANPUR	BIJENDER SINGH S/O CHANDGIRAM	
541		VIJAY SINGH S/O RAJ SINGH URF DHARMA	
542		AJAY S/O RAJ SINGH	
543		BHOOP SINGH S/O KANHAYA LAL	
544		NAND LAL S/O KANHAIYA	
545		DEEPAK S/O MAHABIR SINGH	
546		ROHIT S/O MAHAVIR	
547		RAJKUMAR S/O MAWASI	
548		MANMOHAN URF MONU S/O RAJBIR	
549		MUKUL SINGH CHAUHAN URF MANJEET S/O RAJBIR	
550		KAUSHALYA DEVI W/O RAJBIR	
551		RAM KUMAR S/O RAGHUVIR SINGH	
552		GEETA W/O BALKISHAN	
553		NEERAJ YADAV S/O BALKISHAN YADAV	

554		DHEERAJ S/O BAL KISHAN	
555		KRISHAN S/O BALKISHAN	
556		SUMAN DEVI D/O BALKISHAN	
557		BHIM SINGH S/O MAWASI RAM	
558		MAHENDER SINGH S/O MAWASI RAM	
559	SULTANPUR	KANWAR PAL S/O RAMANAND	
560		JAGAT SINGH S/O RAMANAND	
561		VIJAY PAL YADAV S/O RAMKUMAR	
562		SURESH YADAV S/O JAGDISH NARAYAN	
563		ASHOK S/O MEDARAM	
564		OMWATI D/O MEDARAM	
565		URMILA W/O DHARAMBIR SINGH	
566		ABHILASH YADAV S/O JITENDER YADAV	
567		VINEET S/O JITENDER YADAV	
568		AMAN YADAV S/O JITENDER KUMAR	
569		BABITA W/O JITENDER KUMAR	
570		SUNIL YADAV S/O RAMESH SINGH	
571		KARAN SINGH YADAV S/O RAMESH SINGH	
572		MANISH YADAV S/O RAMESH YADAV	
573		MONIKA YADAV C/O YASHPAL YADAV	
574		KRISHANA DEVI W/O LT. RAMESH KUMAR	
575		ANIL KUMAR S/O SATYA PRAKASH YADAV	
576		PRAVEEN YADAV S/O SATYA PRAKASH YADAV	
577		NAVEEN KUMAR YADAV S/O SATYA PRAKASH YADAV	
578		MANOJ YADAV S/O SATYA PRAKASH YADAV	
579	ANIL S/O SATYAPRAKASH		
580	PRAVEEN S/O SATYAPRAKASH		
581	NAVEEN S/O SATYAPRAKASH		

582	SULTANPUR	MANOJ S/O SATYAPRAKASH	
583		MAHENDER YADAV S/O OM PARKASH	
584		VIRENDER KUMAR S/O PREM PRAKASH	
585		SANJAY YADAV S/O PREM PRAKASH YADAV	
586		TULSI YADAV S/O PREM PRAKASH	
587		BIRENDER S/O PREM PRAKASH	
588		SANJAY S/O PREM PRAKASH	
589		TULSI S/O PREM PRAKASH	
590		OM SINGH DUTTAK S/O NANAK	
591		DHARAMVIR S/O AMILAL	
592		VIJAY SINGH S/O AMILAL	
593		JAI SINGH S/O AMILAL	
594		MUKESH S/O AMILAL	
595		NARESH S/O AMILAL	
596		SUMAN W/O OM SINGH	
597		SULTANPUR	SATPAL S/O KEHAR SINGH
598	BALKISHAN S/O KEHAR SINGH		
599	OM SINGH S/O DUTTAK S/O NANAK		
600	SATISH KUMAR S/O RAM CHANDER		
601	RAM NIWAS S/O HARIKISHAN		
602	POHAP SINGH S/O HARIKISHAN		
603	GOBIND S/O ATTAR SINGH		
604	ISHWER SINGH S/O HARI SINGH		
605	RAKESH S/O CHUNNI LAL		
606	MAHESH KUMAR S/O CHUUNI LAL		
607	DEEPAK KUMAR S/O CHUNI LAL		
608	DEEPAK KUMAR S/O CHUNI LAL		
609	RAKESH S/O CHUNNI LAL		

610		MAHESH KUMAR S/O CHUUNI LAL	
611		BALBIR S/O BISHAMBER	
612		PUNAM YADAV C/O RANBEER	
613		MAHESH S/O OMWATI	
614		RAKESH S/O CHUNNI LAL	
615		DEEPAK KUMAR S/O CHUNI LAL	
616	SULTANPUR	RAJESH KUMAR GOD S/O VEDPRAKASH	
617		RAKESH KUMAR GOD S/O VEDPRAKASH	
618		RAMESH S/O BADLU SINGH	
619		RAMWATI W/O JAGDEV	
620		SHARDA D/O KALU	
621		KAILASH W/O LT. KALU	
622		KAMAL SINGH S/O PARIKSHAT	
623		KISHAN S/O PRIKSHAT	
624		HARIKISHAN S/O PRIKISHAT	
625		MAHENDER SINGH S/O PARIKSHAT	
626		KAMLA DEVI W/O PRAHLAD	
627		SURENDER SING S/O KALU SINGH	
628		ASHOK KUMAR S/O KALU SINGH	
629		SUNDER SINGH S/O KALU SINGH	
630		POOJA YADAV W/O JITENDER YADAV	
631		RAMPHOOL S/O BADLU SINGH	
632		RAMESH S/O BADLU SINGH	
633		KAMLA D/O BADLU SINGH	
634		RAJWATI D/O BADLU SINGH	
635		JAIWATI D/O BADLU SINGH	
636	ROSHNI D/O BADLU SINGH		
637	RAMWATI W/O JAGDEV		

638	SULTANPUR	KAMAL SINGH S/O PRIKSHIT SINGH	
639		KISHAN S/O PARIKSHAT	
640		HARI KISHAN S/O PARIKSHIT SINGH	
641		MAHENDER SINGH S/O PRIKSHAT SINGH	
642		SURENDER S/O KALU	
643		SUNDER S/O KALU	
644		ASHOK S/O KALU	
645		SANGEETA D/O KALU	
646		SHARDA D/O KALU	
647		KAILASH W/O LT.KALU	
648		KAMLA DEVI W/O PRAHLAD	
649		INDER SINGH S/O MAMCHAND	
650		RAMNIWAS S/O MAMCHAND	
651		VIJAY JAIN S/O MAHESH CHAND	
652		AJAY JAIN S/O MAHESH CHAND JAIN	
653	SANJAY S/O RAJSINGH		
654	SULTANPUR	SUNIL S/O RAJSINGH	
655		RAJIV S/O JAINARAYAN	
656		UMESH S/O JAINARAYAN	
657		VIKASH S/O JILE SINGH	
658		VIKRAM S/O JILE SINGH	
659		RAVINDER S/O JILE SINGH	
660		JITENDER S/O HARIOM	
661		SUKHBIR S/O NAWAL SINGH	
662		RAVINDER KUMAR GOEL S/O RAJINDER PARSAD GOEL	
663		MOHAN LAL S/O NATTHAN	
664		DESHRAJ S/O RAMKARAN	
665		MADAN S/O RAMKARAN	

666		USHA DEVI D/O RAMKARAN	
667		MANOJ D/O RAMKARAN	
668		KELA DEVI W/O LT. RAMKARAN	
669		RAJBIR S/O HARDWARI	
670		MAHABIR S/O HARDWARI	
671		LILU S/O HARDWARI	
672		JEET BAI D/O HARDWARI	
673	SULTANPUR	CHAND BAI D/O HARDWARI	
674		BHAGWATI D/O HARDWARI	
675		HIRA W/O LT. HARDWARI	
676		BALBIR S/O BISHAMBER	
677		BALA D/O BISHAMBER	
678		RAMBHATERI W/O LT. BISHAMBER	
679		KULDEEP S/O BHIM SINGH	
680		RAHUL S/O BHIM SINGH	
681		KAVITA D/O BHIM SINGH	
682		SAVITA D/O BHIM SINGH	
683		KOMAL D/O BHIM SINGH	
684		MEENU D/O BHIM SINGH	
685		MUNNI DEVI W/O LT. BHIM SINGH	
686		HIRA DEVI MATA BHIM SINGH	
687		NITIN S/O PRAKASH	
688		BULBUL D/O PRAKASH	
689		PRIYA D/O PRAKASH	
690		HEMA DEVI W/O LT. PRAKASH	
691		HIRA DEVI MATA PRAKASH	
692			MAHIPAL S/O GHISA RAM
693		MAHIPAL S/O GHISA RAM	

694		VIJAY SINGH S/O	
695		RAJRANI D/O RAJBIR	
696		KULDEEP SINGH S/O RAMSINGH	
697		VED PRAKASH S/O SHER SINGH	
698		MADHUBALA W/O LT. NARESH PAL	
699		SAHAB SINGH S/O RAMJILAL	
700		KAMLESH W/O JAIBIR	
701	SULTANPUR	SONIYA MALHOTRA W/O ROSHNI MALHOTRA	
702		MANISH GUPTA S/O B R GUPTA	
703		ASHOK S/O TOTARAM	
704		RAJBIR S/O TOTARAM	
705		MAHAVIR PRASAD S/O TOTA RAM	
706		MUTHRO DEVI W/O OMPRAKASH NATH	
707		KUSUM W/O SANJAY KUMAR	
708		SUSHMA W/O RAJIV YADAV	
709		KAMLA W/O THAN SINGH	
710		RAJBIR S/O RAM KANWAR	
711		RAJBIR S/O RAM KANWAR	
712		RAM SINGH S/O CHAWLI	
713		RAM CHANDER S/O GANPAT SINGH	
714		PURAN SINGH S/O GANPAT	
715		BHANWAR SINGH S/O GAJRAJ SINGH	
716		SURENDER SINGH S/O GAJRAJ SINGH	
717		BERANDER SINGH S/O GAJ RAJ SINGH	
718		SHEORAJ S/O GAJRAJ SINGH	
719		SARITA W/O CHANDER PAL SINGH	
720	SULTANPUR	VIKASH S/O CHANDERPAL	
721		HARSH S/O CHANDERPAL	

722		NARENDER S/O JOGINDER SINGH	
723		JYOTI TANWAR C/O SANJAY KUMAR	
724		PRITI D/O JOGINDER SINGH	
725		SUNITA DEVI W/O LT. JOGINDER SINGH	
726		SAFALTA WIDOW MOHAN SINGH	
727		MOHIT S/O MOHAN SINGH	
728		RITU CHAUHAN D/O MOHAN SINGH	
729		HIMANSHI D/O MOHAN SINGH	
730	SULTANPUR	KIRAN DEVI MATA MOHAN SINGH	
731		RAVINDER SINGH S/O SUNDER SINGH	
732		AJIT SINGH S/O SUNDER SINGH	
733		USHA RANI D/O SUNDER SINGH	
734		KIRAN DEVI W/O LT. SUNDER SINGH	
735		MUNSHI SINGH S/O DURJAN SINGH	
736		SANTOSH D/O DURJAN SINGH	
737		LALEET SINGH URF DEEPAK S/O CHIRANJI SINGH	
738		MANOJ KUMAR S/O CHIRANJI SINGH	
739		PRITI D/O CHIRANJI SINGH	
740		MANJU D/O CHIRANJI SINGH	
741		OMWATI W/O LT. CHIRANJI SINGH	
742		VIJAYPAL S/O SUMER SINGH	
743		SUNIL HURA S/O MALAKRAM HURA	
744		RAMAJAIN W/O RAJIV JAIN	
745		RAJ AGARWAL S/O ASHOK AGARWAL	
746		SAFALTA WIDOW MOHAN SINGH	
747		MOHIT S/O MOHAN SINGH	
748		RITU CHAUHAN D/O MOHAN SINGH	
749			HIMANSHI D/O MOHAN SINGH

750		KIRAN DEVI MATA MOHAN SINGH	
751		RAVINDER SINGH S/O SUNDER SINGH	
752		SUNIL HURA S/O MALAKRAM HURA	
753		RAJWATI W/O RAJIV JAIN	
754		RAMAJAIN W/O RAJIV JAIN	
755		KIRAN DEVI MATA AJIT SINGH	
756		POONAM W/O LT. AJIT SINGH	
757		DEEPAK CHAUHAN S/O AJIT SINGH	
758	SULTANPUR	SIVANGI D/O AJIT SINGH	
759		RAJ AGARWAL S/O RAKESH AGARWAL	
760		PURAN SINGH S/O CHAWLI	
761		RAMSINGH S/O CHAWALI	
762		RAMCHANDER S/O CHAWALI	
763		KELA DEVI WIDOW	
764		MAHIPAL S/O GHISA RAM	
765		VIJAY SINGH S/O	
766		RAJENDER SINGH S/O	
767		RAJRANI D/O RAJBIR	
768		PUSHPA DEVI WIDOW RAMKISHAN	
769		SATPAL S/O RAMKISHAN	
770		SATBIR SINGH S/O RAMKISHAN	
771		SAROJ D/O RAMKISHAN	
772		ROSHNI D/O RAMKISHAN	
773		GOPI S/O UDAY SINGH	
774		SURENDER SINGH S/O GAJRAJ	
775		BIRENDER S/O GAJRAJ	
776		SHYORAJ S/O GAJRAJ	
777	SULTANPUR	MADHUBALA W/O NARESH PAL	

778		NARENDER S/O JOGINDER SINGH	
779		JYOTI D/O JOGINDER	
780		PRITI D/O JOGINDER SINGH	
781		SUNITA DEVI WIDOW JOGINDER	
782		URMILA WIDOW KAMLESH	
783		RATIPAL S/O KAMLESH	
784		MADAN S/O KAMLESH	
785		VINOD S/O KAMLESH	
786		SARITA DEVI WIDOW CHANDERPAL	
787	SULTANPUR	VIKASH S/O CHANDERPAL	
788		HARSH S/O CHANDERPAL	
789		ABHAY SINGH S/O JAGDISH	
790		VISHNU S/O RAMPHAL	
791		POHAP SINGH S/O HARI SINGH	
792		SARLA DEVI W/O LT. HARPAL SINGH	
793		GOVIND KUMAR S/O HARPAL SINGH	
794		YOGESH KUMAR S/O HARPAL SINGH	
795		KAVAL SINGH S/O BANSI	
796		KAVAL SINGH S/O BANSI	
797		BIRENDER SINGH S/O CHHATAR SINGH	
798		PRAVEEN KUMAR S/O CHHATAR SINGH	
799		NEELAM D/O CHHATAR SINGH	
800		MALKHAN D/O BANSI	
801		MANISH TANWAR S/O SHARDA	
802		VINIT TANWAR S/O SHARDA	
803		LILAVATI W/O RAMPAL SINGH	
804		SUSHILA KUMARI W/O DINESH KUMAR	
805		KARAMBIR SINGH GAHLOT S/O RAMPAL SINGH GAHLOT	

806	SULTANPUR	RAMESH KUMAR S/O RAMPAL SINGH	
807		SURENDER S/O RAM PAL	
808		BIJENDER SINGH S/O RAMPAL SINGH	
809		DEVINDR SINGH S/O RAMPAL SINGH	
810		HARKESH S/O OMPRAKASH	
811		HARINDER S/O OMPRAKASH	
812		NARENDER S/O OMPRAKASH	
813		SURENDER S/O OMPRAKASH	
814		BABURAM S/O LAL SINGH	
815		NAWAL SINGH S/O BABURAM	
816		RAMOTAR S/O BABURAM	
817		RAJBIR S/O BABURAM	
818		DEVINDER S/O BABURAM	
819		INDRA DEVI D/O BABURAM	
820		LAXMI DEVI D/O BABURAM	
821		SAKUNTLA DEVI W/O RAM SINGH	
822		BABURAM S/O LAL SINGH	
823		NAWAL SINGH S/O BABURAM	
824		RAMOTAR S/O BABURAM	
825		RAJBIR S/O BABURAM	
826		DEVINDER S/O BABURAM	
827		INDRA DEVI D/O BABURAM	
828		LAXMI DEVI D/O BABURAM	
829		KRISHAN S/O KISHANLAL	
830	SUNIL S/O ROHTASH		
831	SATYVATI W/O BALJEET		
832	SAPNA YADAV W/O DAYAPAL		
833	GAJRAJ S/O MANGAL		

834	SULTANPUR	KRISHAN CHARAN S/O MANGAL		
835		PREMPRAKASH S/O PATRAM		
836		BABURAM S/O LAL SINGH		
837		SURAJPAL S/O PRATAP SINGH		
838		LALARAM S/O NANDRAM		
839		SHER SINGH S/O MAHA SINGH		
840		BALWAN SINGH S/O MAHA SINGH		
841		MAHENDER SINGH S/O UMRAO		
842		DHANPATI W/O RAMNIWASH		
843		SHRIPAL S/O RAM NIWAS		
844		SULTANPUR	RAJESH DEVI W/O BIJENDER	
845			NARAYAN S/O SARJEET SINGH	
846			RAMPAL S/O SARJEET SINGH	
847	RAMKISHAN S/O SARJEET SINGH			
848	KRISHANA D/O SARJEET SINGH			
849	GEETA D/O SARJEET SINGH			
850	HARPYARI W/O LT.SARJEET SINGH			
851	ABHAY SINGH S/O JAGDISH			
852	SARLA W/O HARPAL SINGH			
853	GOVIND KUMAR S/O HARPAL SINGH			
854	YOGESH KUMAR S/O HARPAL SINGH			
855	SATPAL S/O PHOP SINGH			
856	KISTURI W/O LT. POHAP SINGH			
857	VISHNU S/O RAMPHAL			
858	KAMLESH W/O LT. CHIRANJI LAL			
859	PRADEEP S/O CHIRANJI LAL			
860	RAJ SINGH S/O SARDAR SINGH			
861	RANG LAL S/O SARDAR SINGH			

862		BABU LAL S/O SARDAR SINGH	
863		VIMLA W/O RAMESH	
864		REETA SHOKEEN W/O SH. RAM VEER SHOKEEN	
865		ASHA TEWATIA W/O VIRENDER TEWATIA	
866		DEEPAK SINGHAL S/O KRISHAN SINGHAL	
867		PARVESH SINGHAL S/O KRISHNA KUMAR SINGHAL	
868		JASWANTI W/O KRISHAN KUMAR	
869		ARJUN S/O DASHRATH	
870		SARBATI D/O BHAGWAN SAHAY	
871		CHAND BAI D/O SHERA	
872	SULTANPUR	KALAWATI D/O PARSA	
873		JAGAT SINGH S/O DHANNO	
874		BALKISHAN S/O DHANNO	
875		PREM SINGH S/O DHANNO	
876		DALIP SINGH S/O DHANNO	
877		KRISHANA D/O DHANNO	
878		LAXMI D/O DHANNO	
879		DHANNO D/O PARSA	
880		RAMPHUL S/O BADLU	
881		RAMESH S/O BADLU SINGH	
882		KAMLA D/O BADLU SINGH	
883		RAJVATI D/O BADLU	
884		JAGWATI D/O BADLU	
885		ROSHNI D/O BADLU SINGH	
886		BHADO WIDOW BADLU	
887		RAVINDER KUMAR GOEL S/O RAJINDER PARSAD GOEL	
888		AMAR S/O SMT BATTO	
889		KOYAL D/O BATTO	

890	SULTANPUR	SURENDER S/O KALU	
891		SUNDER S/O KALU	
892		ASHOK S/O KALU	
893		SANGEETA D/O KALU	
894		SHARDA D/O KALU	
895		KELASH WIDOW KALU	
896		KAMAL SINGH S/O PARIKSHAT	
897		KISHAN S/O PARIKSHAT	
898		HARIKISHAN S/O PRIKISHAT	
899		MAHENDER SINGH S/O PRIKSHAT SINGH	
900		CIVIL PANCHAYAT	
901	SULTANPUR	CIVIL PANCHAYAT	
902		CIVIL PANCHAYAT	
903		CIVIL PANCHAYAT	
904		HARYANA GOVT	
905		CENTRAL GOVT	
906		ASHOK KUMAR S/O JAGRAM	
907		ASHOK KUMAR S/O JAGRAM	
908		HSIIDC	

प्रेषक

उपमण्डल अधिकारी (ना०) एवं
सक्षम प्राधिकारी (मू०आ०),
एच.ओ.आर.सी., पलवल

प्रेषित

महाप्रबन्धक परियोजना
HRIDC प्लॉट नं० 16
IRCON इन्टरनेशनल टॉवर-2,
सैक्टर-32 गुरुग्राम

क्रमांक 604 /CA(LA)HORC, दिनांक 6-9-24

विषय:- Land Acquisition for the Special Railway Project "Haryana Orbital Rail Corridor (HORC) Project from Palwal to Sonipat via Solma, Manesar and Kharkhoda New Broad-Gauge Double Rail Line.

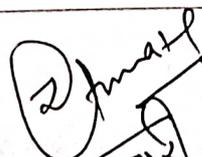
उपरोक्त विषय पर आपके कार्यालय के पत्र क्रमांक HRIDC/HORC/LA/PWL/2020/2858, दिनांक 09-08-2024 के संदर्भ में।

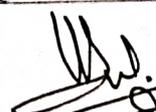
विषयाधीन मामले में तहसीलदार, पलवल से मौजा पृथला, दहलाका, छपरौला, पारौली व कलवाका से वांछित रिपोर्ट सम्बन्धित प्रोफार्मा पर प्राप्त की गई, जो मूलरूप में संलग्न करके आपको आगामी आवश्यक कार्यवाही हेतु प्रेषित है।

संलग्न - रिपोर्ट


उपमण्डल अधिकारी (ना०) एवं
सक्षम प्राधिकारी (मू०आ०),
एच.ओ.आर.सी., पलवल

Sr. No.	Village	Additional Land Acquisition 1 & 2	
		Common Land Owners	New Land Owners
1.	Prithla	---	---
2.	Dehlaka	---	1. Satvir Singh s/o Bhagwat 2. Vijay Singh s/o Bhagwat 3. Omvir s/o Budhram 4. Mahender s/o Budhram 5. Mahesh s/o Budhram 6. Sadhram s/o Dungar Singh 7. Smt. Idrish s/o Sumarata 8. Smt. Ramesh w/o Satpal 9. Smt. Kamlesh Devi w/o Krishan Chand 10. Tejram s/o Sohanlal 11. Chetram s/o Sohanlal 12. Moharram s/o Sohanlal 13. Satish Kumar s/o Sohanlal 14. Priti d/o Hukam Singh 15. Manju d/o Hukam Singh 16. Anita d/o Hukam Singh
3.	Chhaprola	1. M/s Techno Springs India Pvt. Ltd. 2. Pal Singh s/o Chandi 3. Rajpal s/o Chandi 4. Omparkash s/o Govind Singh 5. Jitender s/o Govind Singh 6. Shivan widow Govind Singh 7. Harichand s/o Sher Singh 8. Parveen s/o Vishan Singh 9. Pardeep s/o Vishan Singh 10. Amit Singh s/o Ravinder Singh 11. Anit s/o Ravinder Singh 12. Munesh widow Ravinder Singh 13. Smt. Kavita w/o Pardeep Kumar 14. Dalvir s/o Suresh Chand 15. Sumit s/o Suresh Chand 16. Arun s/o Suresh Chand 17. Anita d/o Suresh Chand 18. Ramwati widow Suresh Chand 19. Thakur Singh s/o Partap Singh 20. Omparkash s/o Partap Singh 21. Gyanwati widow Partap Singh 22. Surjeet Singh s/o Mahender Singh 23. Smt. Sudesh w/o Hoshiyar Singh	1. Ashwani Kumar s/o Girdhari Lal 2. Neeraj d/o Sukhvir 3. Satvir s/o Sukhvir 4. Dharamvir s/o Sukhvir 5. Omparkash s/o Sukhvir 6. Amarwati d/o Sukhvir 7. Shyamwati d/o Sukhvir 8. Lali d/o Sukhvir 9. Mahipal s/o Dayachand 10. Vijaypal s/o Dayachand 11. Smt. Bhagwati widow Dayachand 12. Sumit s/o Bimlesh 13. Amit s/o Bimlesh 14. Bharat Singh s/o Duli chand 15. Udayvir s/o Rajinder Singh 16. Mahipal s/o Rajinder Singh 17. Satish s/o Rajinder Singh 18. Smt. Kamlesh d/o Rajinder Singh 19. Seema d/o Rajinder Singh 20. Smt. Rajesh widow Rajinder Singh 21. Smt. Angoori Devi w/o Omkar 22. Harkishan s/o Khadak Singh 23. Shriram s/o Khadak Singh 24. Memwati d/o Khadak Singh 25. Bhagwati d/o Khadak Singh 26. Joginderi d/o Khadak Singh 27. Sudhir s/o Dharamvir @ Dharmsingh 28. Kuldeep s/o Kumarpal 29. Smt. Chanda Devi widow Khadak Singh


 4291/1 एन 41
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 4291/1 एन 41
 4401

			81. Surender s/o Shrichand 82. Meenu d/o Shrichand 83. Smt. Santosh widow Shrichand
4.	Kalwaka	1. Parveen Kumar s/o Rishipal 2. Ankit Kuma s/o Rishipal 3. Priya d/o Rishipal 4. Smt. Gyanwati widow Rishipal 5. Rahul s/o Mahipal 6. Mohinder s/o Mahipal 7. Seema d/o Mahipal 8. Nectu d/o Mahipal 9. Smt. Ramwati widow Mahipal 10. Rajsingh s/o Dilsukh 11. Tejpal s/o Dilsukh 12. Krishna Devi d/o Dilsukh 13. Kamlesh d/o Dilsukh 14. Kamlesh d/o Dilsukh 15. Rameshchand s/o Vedram 16. Sunil Kuamr s/o Jaibhagwan 17. Rajinder Kumar s/o Ramchand 18. Rakesh s/o Ramchand 19. Vaibhav Sharma s/o Anil Sharma @ Anil Kumar 20. Vansh s/o Anil Sharma @ Anil Kumar 21. Vanshika d/o Anil Sharma @ Anil Kumar 22. Smt. Vinita Sharma widow Anil Sharma @ Anil Kumar 23. Shashi Bala widow Joginder 24. Harsh s/o Joginder 25. Priyanshi d/o Joginder 26. Tejram s/o Budhi Singh	1. Fakruddin s/o Jhadmal 2. Khurshid s/o Jhadmal 3. Rajjak s/o Jhadmal 4. Muddin s/o Jhadmal 5. Azad s/o Nasib Kha 6. Juber s/o Nasib Kha 7. Sharif Kha s/o Badlu 8. Hanif Kha s/o Badlu 9. Jan Mohmmad s/o Badlu 10. Ibrahim s/o Hurmat 11. Liyakat s/o Hurmat 12. Sher Mohmmad s/o Shamsudin 13. Samimdin s/o Shamsudin 14. Dilshad s/o Nawabdin 15. Akhtar s/o Salu 16. Isha s/o Salu 17. Amed s/o Pahlu 18. Ishab s/o Pahlu 19. Alisher s/o Akbar 20. Smt. Richpali w/o Rambir Singh 21. Smt. Jagwati w/o Shyam Singh 22. Smt. Rakesh w/o Dharamvir Singh 23. Smt. Bimla w/o Karambir Singh 24. Arvind Kumar s/o Ramesh Kumar 25. Kavita w/o Brijpal 26. Kavita w/o Azad Singh 27. Shakrulla s/o Asain 28. Ramjan s/o Asain 29. Smt. Rasidan widow Juhru 30. Khatiza d/o Juhru 31. Halima d/o Juhru 32. Warisha d/o Juhru 33. Sanjida d/o Juhru 34. Marjina d/o Juhru 35. Shirajudin s/o Lahru 36. Salmu s/o Lahru 37. Salen s/o Lahru 38. Smt. Shanti w/o Ramesh Kumar 39. Smt. Basanti w/o Balkishan 40. Bhushan s/o Rishikumar 41. Jamshida w/o Fakrudin 42. Mahinderi Devi w/o Rambir 43. Smt. Anju Gaud w/o Satish Gaud 44. Smt. Seema Sharma w/o Manish Sharma 45. Mahender Sharma s/o Shrichand 46. Sohan Lal s/o Lahru

2/मातृ
05/9/24
यशवी एनसी
एयवेल वृत्तल

05-9-2024
यशवी एनसी
एयवेल

5.	Paroli	---	<ol style="list-style-type: none">1. Jaichand s/o Mohan Lal2. Ramchander s/o Lahri3. Satvir s/o Cheti4. Dharamsingh s/o Kishori Lal5. Amilal s/o Kishori Lal6. Laxmi d/o Kishori Lal7. Kavita d/o Kishori Lal8. Smt. Chandan widow Kishan Lal9. Dalchand s/o Kishan Lal10. Gulab s/o Kishan Lal11. Smt. Anita d/o Kishan Lal12. Devki d/o Kishan Lal13. Komal d/o Jugal Kishor14. Smt. Shanti Devi widow Jugal Kishor15. Tushar s/o Rajkumar16. Taruna d/o Rajkumar17. Bharti d/o Rajkumar18. Smt. Topesh Lata widow Rajkumar19. Ramphal s/o Nathi20. Anoop Singh s/o Nathu Singh21. Harvir Singh s/o Nathu Singh22. Kinni s/o Sheri23. Parbhu s/o Sheri24. Dayaram s/o Sheri25. Subhash s/o Sheri26. Mahesh s/o Satbir27. Umesh s/o Satbir28. Suresh s/o Satbir29. Shashi d/o Satbir30. Anju d/o Satbir31. Smt. Savitri widow Satbir32. Sanjay s/o Mangey Ram33. Parveen s/o Mangey Ram34. Arun s/o Mangey Ram35. Smt. Memwati w/o Dalchand36. Smt. Omwati w/o Jaipal37. Smt. Rupwati w/o Jagbir38. Smt. Brijesh Dagar w/o Satpal39. Smt. Babita w/o Rakesh40. Dalchand s/o Kishan Lal41. Jagbir s/o Kishan Lal42. Satpal s/o Kishan Lal43. Jawahar Singh s/o Kishan Lal44. Rakesh Roshan s/o Kishan Lal45. Rajkumar s/o Jaipal46. Sandeep s/o Jaipal47. Omwati widow Jaipal48. Tejram s/o Sohan Lal49. Chetram s/o Sohan Lal50. Mohar Ram s/o Sohan Lal51. Satish Kumar s/o Sohan Lal52. Smt. Anita d/o Hukam Singh53. Manju d/o Hukam Singh54. Preeti d/o Hukam Singh
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HORC परियोजना के लिए अधिग्रहण की जा रही भूमि के कुल भू-स्वामियों की सूची।

<i>Sr. No</i>	<i>Name of Tehsil</i>		<i>Name of Village</i>	<i>Total</i>	<i>Common Land Owners</i>	<i>New Land Owners</i>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
1.	Indri	Acquired Land	Bhirawati	208	-	-
2.			Udaka	67	-	-
3.			Atta	55	-	-
4.			Indri	349	-	-
5.			Khanpur	121	-	-
6.			Rewasan	229	-	-
7.			Khedikankar	04	-	-
8.			Dhirdhoka	02	-	-
9.			Rupaheri	01	-	-
10.			Mehrola	15	-	-
11.			Rojkameo	25	-	-
			Sub. Total	1076		
12.	Tauru	Acquired Land	Sehsola	85	-	04
13.			Mendla	07	-	-
14.			Dhulawat	132	-	-
15.			Bidhuwas	61	-	-
16.			Padheni	216	-	-
17.			Gogjaka	41	-	-
18.			Kaliyaka	41	-	-
19.			Goela	130	-	-
20.			Dingarehri	66	-	-
21.			Sabras	420	-	-
22.			Kalwari	325	-	-
			Sub. Total	1524		
धुलावट रेलवे स्टेशन से न्यू तावडू स्टेशन को जोड़ने के लिए HORC परियोजना के लिए अधिग्रहण की जा रही भूमि के कुल भू-स्वामियों की सूची।						
1.	Tauru	Acquired Land Additional-02	Padheni	48	09	-
2.			Shikharpur	17	-	-
3.			Kharkhari	136	-	-
4.			Dalaka	03	-	-
5.			Malhaka	37	-	-
6.			Raheri	66	-	-
7.			Tauru	02	-	-
8.			Buraka	02	-	-
9.			Sehsola	04	-	-
		Sub. Total		311		
		Total		2911		

List of New Landowners, Additional-1 CALA-Jhajjar

Name of the District:	Jhajjar	New Land Owner
Name of Village:	Badli	
Serial No.	Name of the Land Owner/ Interested perS/os	
1	Omprakash, Devendra S/oNarayan Singh S/o Ranjeet Every Two Equal Co Shares 2/3 Part Wasi Anuj, Dharmendra S/o Krashna S/o Narayan Singh Every Two Co Shares 1/3 Part Wasi	
2	Vijayprakash, Narendra Kumar S/o Chandgiram S/o Lajje Every Two Equal Co Share 17/24 Part Wasi Murti Widow and Ritika D/o Kaval Singh S/o Chandgi Every Two Equal Co Share 7/24 Part Wasi	
3	Smt. Barfo Devi Widow Suresh Kumar S/o Chandgi 1/20 Part Wasi Smt. Santosh Widow And Pravesh, Neetu Suresh Kumar S/o Chandgi Every Four Equal Co Share 17/180 Part Wasi Smt. Rajvanti Widow And Seetu D/o Sandip, Sumit S/o Surendrapal S/o Chandgi Every Four Equal Co Share 17/180 Part Wasi Rohtash S/o Chandgi S/o Molad 17/180 Part Wasi Smt. Sato Widow Bhimsingh S/o Tekchand 5/48 Part Wasi Virendra Singh S/o Umed Singh S/o Soorat Singh 1/12 Part Wasi Shree Om, Rajbeer,Ranveer Singh S/o Soorat Singh S/o Molad Every Three Equal Co Share 1/4 Part Wasi Tejpal S/o Tekchand S/o Molad 11/48 Part Wasi	24
Name of Village:	Majri	
Serial No.	Name of the Land Owner/ Interested perS/os	
1	Harpal Singh, Mahaveer Singh, Narayan Singh S/o Dayanand Every Three Equal Co Share 3/4 Part Balvindar Singh, Rahul Balyan S/o Hoshiyar Singh S/o banvari Every Two Equal Co Share 1/8 Part Nishant Balyan, Prashant Balyan S/o Kuldip Singh S/o Banvari Every Two Equal Co Share 1/8 Part Wasi	7
Name of Village:	Gubhana	
Serial No.	Name of the Land Owner/ Interested perS/os	
1		
2	Premraj S/o Shreechand S/o Raysingh Wasi Bahamnauli Wasi Delhi	1
Name of Village:	Mehandipur	

Serial No.	Name of the Land Owner/ Interested perS/os	
1	Kuldip Singh S/o Jaysingh S/o Nihalu Wasideh and HSSIDC K.M.P.	1
Name of Village:	Nilothi	
Serial No.	Name of the Land Owner/ Interested perS/os	
1	Satveer Alias Sukhveer, Ranveer, Wajeer, Ishwar Son Of Hukmi Son Shyonath Every Four Equal Co Share 1/3 Part Wasi Smt. Santosh Daughter Of And Rajpal, Rajesh Son Of Karne Son Shivnath Every Three Equal Co Share 1/4 Part Smt. Meenu, Renu Daugther Of And Amit Son Smt. Kamlesh Son Karan Singh Every Three Equal Co Share 1/12 Part Wasi Satish, Pramod Son Of Kappor Singh Son Prabhu Every Two Equal Co Share 1/3 Part Wasi	13
Name of Village:	Jakhoda	
Serial No.	Name of the Land Owner/ Interested perS/os	
1	Krishan Chand S/o Netram S/o Dharma 3/5 Part Satpal S/o Netram S/o Dharma 1/5 Part Dayanand, Shardanand S/o Jagat Singh S/o Netram Every Two Equal Co Share 1/5 Part Wasideh	
2	Smt. Nirmla Devi W/o Jayprakash Rathi Wasideh	
3	Smt. Nirmla Devi W/o Jayprakash Rathi Wasideh	
4	Smt. Nirmla Devi W/o Jayprakash Rathi Wasideh	
5	Smt. Sumitra Widow and Smt. Ritu, Shital D/o and Ashish S/o Veerbhan S/o Pratap Singh Every Four Eqyal Co Shares 1/5 part Jagbeer Singh, Brhmprakash, Jayprakash, Vedprakash S/o Pratap Singh S/o Kanaihalal Every Four Equal Co Shares 4/5 Part Wasideh	
Name of Village:	Mandhothi	13
Serial No.	Name of the Land Owner/ Interested perS/os	

1	Sampat Singh, Parsram Son Of Khushiram Son Man Singh Every Two Equal Co Share 1/2 Part Owner Possession Wasi Dhramveer, Rajveer, Surender Son Of Banwari Son Khushira, Every Three Equal Co Share 1/4 Part Owner Possession Wasi Dhramveer, Balwan, Ranveer Son Of Mangey Ram Son Ramnath Every Three Equal Co Share 1/4 Part Owner Possession Wasi Lajjeyram Son Mamraj Son Sahab Singh Wasi Haqdaer Shamlat	388
2	Satveer Alias Sukhveer, Ranveer, Wajeer, Ishwar Son Of Hukmi Son Shyonath Every Four Equal Co Share 1/3 Part Wasi Smt. Santosh Daughter Of And Rajpal, Rajesh Son Of Karne Son Shivnath Every Three Equal Co Share 1/4 Part Smt. Meenu, Renu Daugther Of And Amit Son Smt. Kamlesh Son Karan Singh Every Three Equal Co Share 1/12 Part Wasi Satish, Pramod Son Of Kappor Singh Son Prabhu Every Two Equal Co Share 1/3 Part Wasi	
3	Satveer Alias Sukhveer, Ranveer, Wajeer, Ishwar Son Of Hukmi Son Shyonath Every Four Equal Co Share 1/3 Part Wasi Smt. Santosh Daughter Of And Rajpal, Rajesh Son Of Karne Son Shivnath Every Three Equal Co Share 1/4 Part Smt. Meenu, Renu Daugther Of And Amit Son Smt. Kamlesh Son Karan Singh Every Three Equal Co Share 1/12 Part Wasi Satish, Pramod Son Of Kappor Singh Son Prabhu Every Two Equal Co Share 1/3 Part Wasi	
4	Baka Daughter Of And Dhramveer, Surender Son Of Kalu Son Chatru Every Three Equal Co Share 3/8 Part Wasi Mukesh Widow And Deepak, Deepanshu So Of Rajveer Son Kalu Every Three Equal Co Share 1/8 Part Wasi Pawan, Ashok, Satish Son Of Mahender Son Chandram Every Three Equal Co Share 27/196 Part Wasi Sonu, Jaiveer Son Of Ramkawar Son Rajpal Every Two Eqaul Co Share 1/5 Part Wasi Monika Rani Wife Of Pawan Kumar Son Jahawar Singh 1/20 Part Wasi Tej Singh, Shree Bhagwan Son Of Mangat Ram Son Bheem Singh Every Two Equal Co Share 11/588 Part Wasi Nandram, Balwan Singh Son Of Bheem Singh Son Shyobaksh Every Two Equal Co Share 11/294 Part Wasi Phoolo Widow And Angoori, Kamla, Prakasi Daughters Of And Jaibhagwan, Omveer, Rajesh, Sanjay Son Of Dalel Singh Son Subey Every Eight Equal Co Share 11/196 Part Wasi	

5	Prathi S/o Neki S/o Shyochand 1/4 Part Wasi Bale S/o And Smt. Roshani D/o Rampat S/o Neki Every Two Equal Co Share 1/4 Part Wasi Sunil S/o Dyanand S/o Ramapt 1/28 Part Wasi Smt. Kamla Widow And Suman, Sarita, Sonika, Monika D/o Jigendra S/o Jaypal S/o Rampar Every Six Equal Co Share 1/28 Part Wasi Kapuri Widow And Pinki D/o And Praveen, Joni S/o Ramkuvar S/o Rampat Every Four Equal Co Share 1/28 Part Wasi Sachin, Sabin S/o Balram S/o Rampat Every Two Equal Co Share 1/28 Part Smt. Bimla Widow And Surendra, Rajendra, Pavan S/o And Geeta Kumari Nafe Singh S/o Rampat Every Five Equal Co Share 1/28 Part Wasi Ramkishan, Shivdayak S/o And Smt. Khajani D/o Sahja S/o Birkha Every Three Equal Co Share 1/2 Part Wasi	
6	Smt Sheelewati Widow Shree Ram Son Daluram 1/45 Part Wasi Pooja Daughter Of Surender Son Jeet Singh 14/675 Part Wasi Pushpendra Son Of Surender Son Jeeta Singh 196/675 Part Wasi Krishan, Balram Son Of Jailal Son Sheeshram Every Two Equal Co Share 2/3 Part Wasi	
7	Mahaveer, Ramnivas, Krishan, Satyanarayan S/o Jageram S/o Hariram Every Two Equal Co Share 5/18 Part Wasi Ramrati, Santosh, Rajo, Kamlesh, Kavita D/o Jageram S/o Hariram Every Five Equal Co Share 1/18 Part Wasi Suresh, Naresh, Rajveer S/o Omprakash S/o Man Singh Every Three Equal Co Share 2/9 Part Wasi Savitri D/o And Rakesh, Sanjay S/o Sarvati S/o Sukhlal Every Three Equal Co Share 2/63 Part Wasi Smt. Mamta D/o Vedprakash S/o Sukhlal 16/63 Part Wasi Harishchandra S/o Ramesh Kumar S/o Sukhlal 10/63 Part Wasi	
8	Sujan Singh, Gopla Singh Son Of Puran Singh Son Juglal Every Two Equal Co Share 1/2 Part Ashok, Balwan Son Of Raghunath Son Ramgopal Every Two Equal Co Share 1/3 Part Wasi Rampyari Widow And Santosh Daughter And Mukesh Son Omprakash Son Raghunath Every Three Equal Co Share 1/16 Part Wasi Suresh Son Omprakash Son Raghunath 5/48 Part Wasi	
9	Mahendra Son Hosiyar Son Loram Wasi And Balbeer Singh, Dhramveer S/o Juglal S/o Loti Every Two Equal Co Share 2/3 Part Wasi Sunil Kumar S/o Randheer Singh S/o Juglal 1/3 Part Wasi	
10	Smt. Roshni Devi Widow And Sumitra Devi Daughter Kappor Singh Son Chandram Every Two Equal Co Share 1/6 Part Wasi Rameshwar, Sukhveer Son Of Chandram Son Sheeshram 1/3 Part Wasi Krishan Balram Son Of Jailal Son Sheeshram Every Two Equal Co Share 1/3 Part Wasi	

11	<p>Mahendra Son Hosiya Son Loram Wasi And Rameshwar, Sukhveer S/o Chandram S/o Sisram Every Two Equal Co Share 11/72 Part Wasi Smt. Roshani Widow And Sumitra Devi D/o Kapoor Singh S/o Chandram Every Two Equal Co Share 1/18 Part Wasi Birendra, Jagbeer, Havasingh S/o Bhoop Singh S/o Sisram Every Three Equal Co Share 5/24 Part Wasi Shanti, Kapoori, Ishvanti, Beero, Sumita, Neelam, Bimla D/o Nafe Singh S/o Sisram Every Seven Equal Co Share 1/6 Part Wasi Mahaveer, Rajveer S/o Manfool Singh S/o Sisram Every Two Equal Co Share 5/24 Part Wasi Krishan, Balram S/o Sisram Every Two Equal Co Share 5/24 Part Wasi</p>	
12	<p>Mahendra Son Hosiya Son Loram Wasi And Rameshwar, Sukhveer S/o Chandram S/o Sisram Every Two Equal Co Share 11/72 Part Wasi Smt. Roshani Widow And Sumitra Devi D/o Kapoor Singh S/o Chandram Every Two Equal Co Share 1/18 Part Wasi Birendra, Jagbeer, Havasingh S/o Bhoop Singh S/o Sisram Every Three Equal Co Share 5/24 Part Wasi Shanti, Kapoori, Ishvanti, Beero, Sumita, Neelam, Bimla D/o Nafe Singh S/o Sisram Every Seven Equal Co Share 1/6 Part Wasi Mahaveer, Rajveer S/o Manfool Singh S/o Sisram Every Two Equal Co Share 5/24 Part Wasi Krishan, Balram S/o Sisram Every Two Equal Co Share 5/24 Part Wasi</p>	
13	<p>Smt. Bharti Widow Rijkam S/o Laxman 1/4 Part Wasi Rajsingh S/o Manfool S/o Laxman 1/8 Part Wasi Abhimanyu, Aaditya S/o And Kriti D/o Ramesh Kumar S/o Manfool Every Three Equal Co Share 1/8 Part Wasi Ishwar Singh S/o And Sirya D/o Risal Singh S/o Every Two Equal Co Share 1/4 Part Wasi Balveer Singh, Sukhveer, Bijendra, Aanand S/o Dhram Singh S/o Every Four Equal Co Share 1/8 Part Wasi Savitri Widow And Anuradha D/o And Dharmendra, Jitendra S/o Surajmal S/o Dhram Singh Every Four Equal Co Share 1/24 Part Wasi Beermati Widow And Sunil, Govind, Bhisim S/o Krishan S/o Dhram Singh Every Four Equal Co Share 1/24 Part Wasi</p>	
14	<p>Smt. Anita Widow And Smt. Guddi Daughter And Ram, Shyam Son Of Bijendra Son Bani Singh Every Four Equal Co Share 1/8 Part Wasi Rajendra Singh, Balvan Singh, Surendra Singh Son Of Bani Singh Son Bhagvana Every Three Equal Co Share 3/8 Part Wasi Santro Wife Sukhveer Son Mauji 1213/4620 Part Wasi Yogendra Singh Son Prabhu Son Mohanlal 1097/4620 Part Wasi</p>	

15	Rajendra Singh, Balvan Singh, Surendra Singh Son Of Bani Singh Son Bhagvana Every Three Equal Co Share 3/8 Part Wasi Santro Wife Sukhveer Son Mauji 193/420 Part Wasi Yogendra Singh Son Prabhu Singh Son Mohanlal 17/420 Part Smt. Anita Widow And Smt. Guddi Daughter And Ram, Shyam Son Of Bijendra Singh Son Bani Singh Every Four Equal Co Share 1/8 Part Wasi	
16	Satish, Kuldip Son Of Sukhveer Son Manfool Every Two Equal Co Share 1/4 Share Wasi Surebdra, Jogendra Son Of Kapoor Singh Son Manfool Every Two Equal Co Share 1/4 Part Wasi Shakuntla Widow And Ishwar Son And Shrmila Daughter Preet Singh Son Khushiram Every Three Equal Co Share 1/4 Part Wasi Shanti Widow Dilbag Son Khushiram 1/10 Part Naresh Son Dilbagh Son Khushiram 3/20 Part Wasi	
17	Khema Son Mehu Son Jailal 1/8 Part Wasi Tikaram Son Hazari Son Jailal 1/8 Part Wasi Jaipal, Banwari Son Of Mauji Son Sukha Every Two Equal Co Share 1/8 Part Wasi Satpal Son Omprakash Son Mauji 11/192 Part Wasi Chandrapal, Sandeep Son Of Rajveer Son Mauji Every Two Equal Co Share 1/32 Part Wasi Bijendra Singh, Surendra Singh, Narendra Singh, Devendra Singh Son Of Ramphal Son Mihu Every Four Equal Co Share 1/20 Part Wasi Dhanpati Widow And Vimla Daughter Kapoor Singh Son Mihu Every Two Equal Co Share 1/16 Part Wasi Krishna Widow And Karamjeet, Naresh Son Of Kartar Singh Son Mihu Every Three Equal Co Share 1/16 Part Wasi Sandeep Son Chotu Son Hazari 1/8 Part Wasi Joginder Son Balwaan Singh Son Ramphal 1/80 Part Wasi Smt. Roshni Widow And Rajesh, Tejpal, Pappu Son Of Suresh, Bala Daughter Every Six Equal Co Share 1/8 Part Wasi Santara Widow And Smt. Meena, Pooja, Pramila, Rekha Daughter Satpal Son Omprakash Every Four Rqual Co Share 1/192 Part Wasi Rajveer Son Mauji Son 1/32 Part Wasi Mangey Son Dhara Son Sukhlal 1/16 Part Wasi	
18	Satish, Kuldip Son Of Sukhveer Son Manfool Every Two Equal Co Share 1/4 Share Wasi Surebdra, Jogendra Son Of Kapoor Singh Son Manfool Every Two Equal Co Share 1/4 Part Wasi Shakuntla Widow And Ishwar Son And Shrmila Daughter Preet Singh Son Khushiram Every Three Equal Co Share 1/4 Part Wasi Shanti Widow Dilbag Son Khushiram 1/10 Part Naresh Son Dilbagh Son Khushiram 3/20 Part Wasi	

19	Rajbeer Singh, Rohtash Son Of Darbarilal Son Juglal Every Two Equal Co Share 1/9 Part Wasi Jagbeer Singh Son Prem Singh Son Chhotu 1/3 Part Wasi Hava Singh Son Tarif Singh Son Every Four Equal Co Share 1/90 Part Wasi Nirmla Widow And Meena, Seema Daughter And Kuldeep, Sandeep Son Of Vajeer Singh Son Tarif Singh Every Five Equal Co Share 1/90 Part Wasi Krishan, Ramesh, Shreem, Satish Son Of Hardauri Son Juglal Every Four Equal Co Share 1/2 Part Wasi Rajesh, Rakesh Son Of And Smt. Primla Daughter Meer Singh Son Tarif Singh Every Three Equal Co Share 1/90 Part Wasi Bijendra Son Dheer Singh Alias Randheer Son Tarif Singh 1/90 Part Wasi	
20	Suresh, Naresh, Narendra Son Of Umed Singh Son Mangeram Every Three Equal Co Share 1/4 Part Wasi Sanjay Alis Sandip, Rajiv Son Of And Kavita, Sunita Alis Babita Daughter Jile Singh Son Mangeram Every Four Equal Co Share 5/24 Part Wasi Anil Kumar, Praveen Kumar Son Of Mahendra Son Ghisu Every Two Equal Co Share 1/6 Part Wasi Jaybhagvan, Dhramsingh Son Of Ghisu Son Fulsingh Every Two Equal Co Share 1/3 Part Wasi Manoj Son Sandip Son Jile Singh 1/24 Part Wasi	
21	Ranveer Singh, Sukhveer Singh Son Of Hoshyare Son Every Two Equal Co Share 1/8 Part Wasi Amit, Sumit Son Sukhveer Singh Every Two Equal Co Share 3/16 Part Wasi Sunil Son Ranveer Singh Son Hoshyare 3/32 Part Wasi Ishant Son Sanjay Son Ranveer 3/32 Part Wasi Rameshwar Son Chandgi Son Shyonath 1/10 Part Wasi Chandrapal Son Hardwari Son Chandgi 1/10 Part Wasi Krishan, Suresh, Naresh, Ramchandra Son Of Mukhtyar Singh Son Chandgi Every Four Equal Co Share 1/10 Part Wasi Shree Bhagvan Son Kartar Son Chandgi 1/20 Part Wasi Smt, Sunita Widow And Sheetal Daughter And Aakash, Ajay, Yash Son Of Paramjeet Son Kartar Singh Every Five Equal Co Share 1/20 Part Wasi Smt, Krishana Widow Balvan Son Chandgi 1/40 Part Wasi Nasib, Ajit Son Of Balvan Son Chandgi Every Two Equal Co Share 3/40 Part Wasi	
22	Ranveer Singh, Sukhveer Singh Son Of Hoshyare Son Every Two Equal Co Share 1/8 Part Wasi Amit, Sumit Son Sukhveer Singh Every Two Equal Co Share 3/16 Part Wasi Sunil Son Ranveer Singh Son Hoshyare 3/32 Part Wasi Ishant Son Sanjay Son Ranveer 3/32 Part Wasi Rameshwar Son Chandgi Son Shyonath 1/10 Part Wasi Chandrapal Son Hardwari Son Chandgi 1/10 Part Wasi Krishan, Suresh, Naresh, Ramchandra Son Of Mukhtyar Singh Son Chandgi Every Four Equal Co Share 1/10 Part Wasi Shree Bhagvan Son Kartar Son Chandgi 1/20 Part Wasi Smt, Sunita Widow And Sheetal Daughter And Aakash, Ajay, Yash Son Of Paramjeet Son Kartar Singh Every Five Equal Co Share 1/20 Part Wasi Smt, Krishana Widow Balvan Son Chandgi 1/40 Part Wasi Nasib, Ajit Son Of Balvan Son Chandgi Every Two Equal Co Share 3/40 Part Wasi	

23	<p>Ranveer Singh, Sukhveer Singh Son Of Hoshyare Son Every Two Equal Co Share 1/8 Part Wasi Amit, Sumit Son Sukhveer Singh Every Two Equal Co Share 3/16 Part Wasi Sunil Son Ranveer Singh Son Hoshyare 3/32 Part Wasi Ishant Son Sanjay Son Ranveer 3/32 Part Wasi Rameshwar Son Chandgi Son Shyonath 1/10 Part Wasi Chandrapal Son Hardwari Son Chandgi 1/10 Part Wasi Krishan, Suresh, Naresh, Ramchandra Son Of Mukhtyar Singh Son Chandgi Every Four Equal Co Share 1/10 Part Wasi Shree Bhagvan Son Kartar Son Chandgi 1/20 Part Wasi Smt, Sunita Widow And Sheetal Daughter And Aakash, Ajay, Yash Son Of Paramjeet Son Kartar Singh Every Five Equal Co Share 1/20 Part Wasi Smt, Krishana Widow Balvan Son Chandgi 1/40 Part Wasi Nasib, Ajit Son Of Balvan Son Chandgi Every Two Equal Co Share 3/40 Part Wasi</p>	
24	<p>Ranveer Singh, Sukhveer Singh Son Of Hoshyare Son Every Two Equal Co Share 1/8 Part Wasi Amit, Sumit Son Sukhveer Singh Every Two Equal Co Share 3/16 Part Wasi Sunil Son Ranveer Singh Son Hoshyare 3/32 Part Wasi Ishant Son Sanjay Son Ranveer 3/32 Part Wasi Rameshwar Son Chandgi Son Shyonath 1/10 Part Wasi Chandrapal Son Hardwari Son Chandgi 1/10 Part Wasi Krishan, Suresh, Naresh, Ramchandra Son Of Mukhtyar Singh Son Chandgi Every Four Equal Co Share 1/10 Part Wasi Shree Bhagvan Son Kartar Son Chandgi 1/20 Part Wasi Smt, Sunita Widow And Sheetal Daughter And Aakash, Ajay, Yash Son Of Paramjeet Son Kartar Singh Every Five Equal Co Share 1/20 Part Wasi Smt, Krishana Widow Balvan Son Chandgi 1/40 Part Wasi Nasib, Ajit Son Of Balvan Son Chandgi Every Two Equal Co Share 3/40 Part Wasi</p>	
25	<p>Ranveer Singh, Sukhveer Singh Son Of Hoshyare Son Every Two Equal Co Share 1/8 Part Wasi Amit, Sumit Son Sukhveer Singh Every Two Equal Co Share 3/16 Part Wasi Sunil Son Ranveer Singh Son Hoshyare 3/32 Part Wasi Ishant Son Sanjay Son Ranveer 3/32 Part Wasi Rameshwar Son Chandgi Son Shyonath 1/10 Part Wasi Chandrapal Son Hardwari Son Chandgi 1/10 Part Wasi Krishan, Suresh, Naresh, Ramchandra Son Of Mukhtyar Singh Son Chandgi Every Four Equal Co Share 1/10 Part Wasi Shree Bhagvan Son Kartar Son Chandgi 1/20 Part Wasi Smt, Sunita Widow And Sheetal Daughter And Aakash, Ajay, Yash Son Of Paramjeet Son Kartar Singh Every Five Equal Co Share 1/20 Part Wasi Smt, Krishana Widow Balvan Son Chandgi 1/40 Part Wasi Nasib, Ajit Son Of Balvan Son Chandgi Every Two Equal Co Share 3/40 Part Wasi</p>	

26	Balram Son Ramkawar Son Lalchand 1/4 Part Wasi Jatin, Tanuj Son Of Ramkawar Son Lalchand Every Two Equal Co Share 1/4 Part Wasi Ramniwas, Rambhagat Son Of Sultan Son Lakhu Every Two Equal Co Share 191/1380 Part Rajwanti Widow And Kuldeep Son Dayaram Son Sultan Every Two Equal Co Share 1/12 Part Wasi Prem Widow And Joginder Son Roopram Son Sultan Every Two Equal Co Share 1/18 Part Wasi Surrender, Bhoopendra, Virender Son Of Raghuv eer Son Sultaan Every Three Equal Co Share 1/12 Part Prem Mata Jitendra Son Sadaram 1/36 Part Wasi	
27	Sachin Kumar Alias Monu, Ajay Kumar Alias Fota Son Of Om Prakash Son Surti Every Two Equal Co Share 25/48 Part Dushyant Son Mahaveer Son Surajbhan 11/96 Part Wasi Rohit, Mohit Son Of Nafey Singh Son Surajbhan Every Two Equal Co Share 11/96 Part Wasi Prem Singh, Satveer Son Of Karan Singh Son Mahasingh Every Two Equal Co Share 5/24 Part Wasi Krishana Devi Widow Dhramveer Son Chandrabaan 1/192 Part Wasi Ravindra, Vinod Kumar, Pawan Kumar Son Of Dhramveer Son Chandrabaan Every Three Equal Co Share 7/192 Part Wasi	
28	Sachin Kumar Alias Monu, Ajay Kumar Alias Fota Son Of Om Prakash Son Surti Every Two Equal Co Share 25/48 Part Dushyant Son Mahaveer Son Surajbhan 11/96 Part Wasi Rohit, Mohit Son Of Nafey Singh Son Surajbhan Every Two Equal Co Share 11/96 Part Wasi Prem Singh, Satveer Son Of Karan Singh Son Mahasingh Every Two Equal Co Share 5/24 Part Wasi Krishana Devi Widow Dhramveer Son Chandrabaan 1/192 Part Wasi Ravindra, Vinod Kumar, Pawan Kumar Son Of Dhramveer Son Chandrabaan Every Three Equal Co Share 7/192 Part Wasi	
29	Sachin Kumar Alias Monu, Ajay Kumar Alias Fota Son Of Om Prakash Son Surti Every Two Equal Co Share 25/48 Part Dushyant Son Mahaveer Son Surajbhan 11/96 Part Wasi Rohit, Mohit Son Of Nafey Singh Son Surajbhan Every Two Equal Co Share 11/96 Part Wasi Prem Singh, Satveer Son Of Karan Singh Son Mahasingh Every Two Equal Co Share 5/24 Part Wasi Krishana Devi Widow Dhramveer Son Chandrabaan 1/192 Part Wasi Ravindra, Vinod Kumar, Pawan Kumar Son Of Dhramveer Son Chandrabaan Every Three Equal Co Share 7/192 Part Wasi	

30	Ranveer Singh Son Manfool Singh Son Neki 1/64 Part Wasi Bijendra Singh Son Karan Singh Son Manfool Singh 5/128 Part Wasi Deepesh Son Jitendra Son 5/128 Part Wasi Balwaan, Anil Kumar, Devendra Singh Son Of Randheer Singh Son Manfool Singh Every Three Equal Co Share 47/192 Part Wasi Sumit, Sammer Son Of Atar Singh Son Manfool Singh Every Two Equal Co Share 5/64 Part Wasi Amit, Sumit Son Of Smt. Kamla Daughter Of Anoop Singh Every Two Equal Co Share 7/384 Part Rajendra Son Anoop Singh Son Sukhlal 7/384 Part Karamveer Son Anoop Singh Son Sukhlal 7/192 Part Wasi Sandeep, Sumit Singh Son Of Rawat Son Sukhlal Every Two Equal Co Share 7/96 Part Wasi Devendra Son Randheer Singh Son Manphool 1/12 Part Wasi Ishwar Singh, Mahendra Singh, Rajveer Son Of Sukhlal Son Neki Every Three Equal Co Share 7/32 Part Wasi Jaswant Singh, Yashwant Singh Son Of Narayan Singh Son Sukhlal Every Two Equal Co Share 7/96 Part Wasi Sunil Son Ranveer Singh Son Manfool 1/16 Part Wasi	
31	Shanti Devi Widow Kartar Singh Son Mangeram 1/18 Part Wasi Jagveer Singh, Jayveer Singh Son Of Kartar Singh Son Mangeram Every Two Equal Co Share 5/18 Part Wasi Ramkuvar Son Mangeram Son Girdhari 1/3 Part Wasi Darshna Widpw And Devi Daughter Ramkishan Son Mangeram Every Two Equal Co Share 1/3 Part Wasi	
32	Dyanand, Jaypal, Bale, Ramkuvar, Ballu Son Of And Roshani Daughter Rampat Son Every Six Equal Co Share 6/7 Part Wasi Bimla Widow And Surendra Singh, Rajendra Singh Pavan Singh Son Of Geeta Kumari Daughter Nafe Singh Son Rampat Every Five Equal Co Share 1/7 Part Wasi	
33	Jora Singh, Rajendra Singh Son Of Ram Singh Son Naval Singh Every Two Equal Co Share 1/2 Part Wasi Satpal Singh Son Jile Singh Son Ram Singh 1/4 Part Wasi Rajkuvar, Rishipal, Hansraj, Ramchandra Son Of Mahendra Son Ram Singh Every Four Equal Co Share 1/4 Part Wasi	
34	Suresh S/o And Mukesh S/o Begraj S/o Chandra Every Two Equal Co Share 9/140 Part Wasi Krishan, Karno, Ramkuvar, Kartar S/o Chandra S/o Amilal Every Four Equal Co Share 9/35 Part Wasi Smt. Kartari D/o Chandra S/o Amilal 1/20 Part Wasi Satveer S/o Kapoor S/o Chandra 9/140 Part Wasi Smt. Anita Widow And Jogendra, Sachin S/o Rohtash S/o Hava Singh Every Three Equal Co Share 9/140 Part Wasi Rishipal, Praveen S/o Balvan S/o Sisram Every Two Equal Co Share 1/24 Part Wasi Aajad, Kuldip S/o Phool Singh Every Two Equal Co Share 1/2 Part Wasi Smt. Ramkali Mata Harikishan S/o Soorajmal 1/24 Part Wasi Ishwar S/o Chhotu S/o Neki 5/36 Part Wasi Charan S/o Chhotu S/o Neki 5/72 Part Wasi Smt. Shila Widow And Naveen Kumar S/o Ramesh S/o Bhoop Singh Every Four Equal Co Share 1/8 Part Wasi	

35	<p>Sachin Kumar Alias Monu, Ajay Kumar Alias Fota Son Of Om Prakash Son Surti Every Two Equal Co Share 25/48 Part Dushyant Son Mahaveer Son Surajbhan 11/96 Part Wasi Rohit, Mohit Son Of Nafey Singh Son Surajbhan Every Two Equal Co Share 11/96 Part Wasi Prem Singh, Satveer Son Of Karan Singh Son Mahasingh Every Two Equal Co Share 5/24 Part Wasi Krishana Devi Widow Dhramveer Son Chandrabaan 1/192 Part Wasi Ravindra, Vinod Kumar, Pawan Kumar Son Of Dhramveer Son Chandrabaan Every Three Equal Co Share 7/192 Part Wasi</p>	
36	<p>Om Singh Son Bishan Son Prasha 41/818 Part Wasi Sonu Son Surajbhan Son 13/818 Part Wasi Jagmendra Son Dhramveer Son Mahasingh 7/409 Part Wasi Pawan, Ajay Son Of Sher Singh Son Mahasingh Every Two Equal Co Share 13/818 Part Wasi Dhrampal, Satpal, Rajpal, Vedpal Son Of Moji Sonmehar Singh Every Four Equal Co Share 273/818 Part Wasi Sanjay Son Mahasingh Son Ramkala 15/818 Part Wasi Sushila Widow Son 2/409 Part Wasi Ajau Son Ramniwas Son Man Singh 11/818 Part Wasi Krishana, Darshana, Sunita Daughters Of Ram Kishan Son Man Singh Every Three Equal Co Share 2/409 Part Wasi Balwaan, Baljeet Son Of Ramkishan Son Man Singh Every Two Equal Co Share 11/818 Part Ajay Son Katar Singh Son Hazari 15/818 Part Wasi Mahnedra Son Hazari Son 15/818 Part Wasi Suresh Son Atar Son Prathi 34/409 Part Wasi Dhramveer Addopted Son Dhankaur Widow Ramjilal 23/818 Part Surajbhan, Sher Singh Son Of Maha Singh Son Ramkala Every Two Equal Co Share 35/409 Part Wasi Dhrampal Son Mahasingh Son Ramkala 24/409 Part Wasi Jagat Singh, Neeraj Son Of Dhrampal Every Two Equal Co Share 7/409 Part Wasi Sheeshkaur, Chandro Daughters Of Ramjilal Son Ramjas Every Two Equal Co Share 50/409 Part Wasi Santosh Widow And Sonia Daughter And Amit, Sahil Son Of Satveer Son Chandro Every Four Equal Co Share 1/818 Part Wasi Geeta Widow And Neeraj, Praveen Son Of Omprakash Son Chandro Every Three Equal Co Share 1/818 Part Wasi Dhramveer, Sahab Singh Son Of And Snehalata, Rajbala, Ajitkaur Daughters Chandro Daughter Ramjilal Every Five Equal Co Share 3/409 Part Wasi Bhaga Daughter Ramjilal Son Ramjas 10/409 Part Wasi Dhramveer Son Mahasingh Son Ramkala 23/818 Part Wasi Ajit Singh Son Katar Singh Son Hazari 15/818 Part</p>	

Om Singh Son Bishan Son Prasha 41/818 Part Wasi Sonu Son Surajbhan Son 13/818 Part Wasi Jagmendra Son Dhramveer Son Mahasingh 7/409 Part Wasi Pawan, Ajay Son Of Sher Singh Son Mahasingh Every Two Equal Co Share 13/818 Part Wasi Dhrampal, Satpal, Rajpal, Vedpal Son Of Moji Sonmehar Singh Every Four Equal Co Share 273/818 Part Wasi Sanjay Son Mahasingh Son Ramkala 15/818 Part Wasi Sushila Widow Son 2/409 Part Wasi Ajau Son Ramniwas Son Man Singh 11/818 Part Wasi Krishana, Darshana, Sunita Daughters Of Ram Kishan Son Man Singh Every Three Equal Co Share 2/409 Part Wasi Balwaan, Baljeet Son Of Ramkishan Son Man Singh Every Two Equal Co Share 11/818 Part Ajay Son Katar Singh Son Hazari 15/818 Part Wasi Mahnedra Son Hazari Son 15/818 Part Wasi Suresh Son Atar Son Prathi 34/409 Part Wasi Dhramveer Addopted Son Dhankaur Widow Ramjilal 23/818 Part Surajbhan, Sher Singh Son Of Maha Singh Son Ramkala Every Two Equal Co Share 35/409 Part Wasi Dhrampal Son Mahasingh Son Ramkala 24/409 Part Wasi Jagat Singh, Neeraj Son Of Dhrampal Every Two Equal Co Share 7/409 Part Wasi Sheeshkaur, Chandro Daughters Of Ramjilal Son Ramjas Every Two Equal Co Share 50/409 Part Wasi Santosh Widow And Sonia Daughter And Amit, Sahil Son Of Satveer Son Chandro Every Four Equal Co Share 1/818 Part Wasi Geeta Widow And Neeraj, Praveen Son Of Omprakash Son Chandro Every Three Equal Co Share 1/818 Part Wasi Dhramveer, Sahab Singh Son Of And Snehalata, Rajbala, Ajitkaur Daughters Chandro Daughter Ramjilal Every Five Equal Co Share 3/409 Part Wasi Bhaga Daughter Ramjilal Son Ramjas 10/409 Part Wasi Dhramveer Son Mahasingh Son Ramkala 23/818 Part Wasi Ajit Singh Son Katar Singh Son Hazari 15/818 Part

38	<p>Om Singh Son Bishan Son Prasha 41/818 Part Wasi Sonu Son Surajbhan Son 13/818 Part Wasi Jagmendra Son Dhramveer Son Mahasingh 7/409 Part Wasi Pawan, Ajay Son Of Sher Singh Son Mahasingh Every Two Equal Co Share 13/818 Part Wasi Dhrampal, Satpal, Rajpal, Vedpal Son Of Moji Sonmehar Singh Every Four Equal Co Share 273/818 Part Wasi Sanjay Son Mahasingh Son Ramkala 15/818 Part Wasi Sushila Widow Son 2/409 Part Wasi Ajau Son Ramniwas Son Man Singh 11/818 Part Wasi Krishana, Darshana, Sunita Daughters Of Ram Kishan Son Man Singh Every Three Equal Co Share 2/409 Part Wasi Balwaan, Baljeet Son Of Ramkishan Son Man Singh Every Two Equal Co Share 11/818 Part Ajay Son Katar Singh Son Hazari 15/818 Part Wasi Mahnedra Son Hazari Son 15/818 Part Wasi Suresh Son Atar Son Prathi 34/409 Part Wasi Dhramveer Addopted Son Dhankaur Widow Ramjilal 23/818 Part Surajbhan, Sher Singh Son Of Maha Singh Son Ramkala Every Two Equal Co Share 35/409 Part Wasi Dhrampal Son Mahasingh Son Ramkala 24/409 Part Wasi Jagat Singh, Neeraj Son Of Dhrampal Every Two Equal Co Share 7/409 Part Wasi Sheeshkaur, Chandro Daughters Of Ramjilal Son Ramjas Every Two Equal Co Share 50/409 Part Wasi Santosh Widow And Sonia Daughter And Amit, Sahil Son Of Satveer Son Chandro Every Four Equal Co Share 1/818 Part Wasi Geeta Widow And Neeraj, Praveen Son Of Omprakash Son Chandro Every Three Equal Co Share 1/818 Part Wasi Dhramveer, Sahab Singh Son Of And Snehalata, Rajbala, Ajitkaur Daughters Chandro Daughter Ramjilal Every Five Equal Co Share 3/409 Part Wasi Bhaga Daughter Ramjilal Son Ramjas 10/409 Part Wasi Dhramveer Son Mahasingh Son Ramkala 23/818 Part Wasi Ajit Singh Son Katar Singh Son Hazari 15/818 Part</p>	
39	<p>Surendra Son Tekram Son Chotu 1/3 Part Wasi Virendra Singh, Bheem Singh Son Of Hosiyar Singh Son Chotu Every Two Equal Co Share 1/3 Part Wasi Rajendra Son Ujala Son Chotu 1/9Part Wasi Suman Kumar, Pawan Kumar Son Of Surajbhan Son Ujala Every Two Equal Co Share 1/6 Part Wasi Deepak, Vijay Son Of Rajendra Son Ujala Every Two Equal Co Share 1/18 Part Wasi</p>	
Name of Village:	Asaudha Todran	
Serial No.	Name of the Land Owner/ Interested perS/os	

1	<p>Ranveer, Mahendra S/o Ramprasad S/o Gangasahay Every Two Equal Co Shares 1/4 Part Hava Singh Rajbeer Singh S/o Devisahay S/o Gangasahay Every Two Equal Co Shares 1/6 Part Surendra, Satyavan, Vijay S/o jaybhan S/o Hukumchand Every Three Equal Co Shares 3/32 Part Ajit Singh S/o Omprakash S/o Hukumchand 1/8 Part Smt. Foolpati Widow and Nirmla, Pinki D/o and Rohtash S/o Ishwar Singh S/o Hukumchand Every Four Equal Co Shares 1/8 Part Smt. Jallo Widow and ravindra, Virendra S/o Dhramveer S/o jaybhagvan Every Three Equal Co Shares 1/32 Part Smt. Vidhya Devi Widow and Renu D/o and Ravi Kumar, Sandip S/oJeetsingh S/o Devisahay S/o Every Four Equal Co Shares 1/12 Part Aasha, usha, Saroj, Santosh D/o and Suresh, naresh S/o Hukumchand Every Six Equal Co Shares 1/8 Part Wasideh</p>	80
2	<p>Smt. Murti D/o And Azad Singh S/o Nandlal S/o Baldeva Every Two Equal Co Share 158/3797 Smt. Phulpati Widow And Meena Devi D/o And Jagbir S/o Attar Singh S/o Nandlal Every Three Equal Co Share 79/3797 Jaipal Singh, Balwan Singh S/o Dariyav Singh S/o Baldeva Every Two Equal Co Share 316/3797 Part Mahender Singh, Hanshraj, Jai Bhagwan S/o Hoshiyar Singh S/o Rai Singh Every Three Equal Co Share 75/3797 Part Smt. Rampyari Widow Ramchander S/o Hoshiyar Singh 11/3797 Part Smt. Indro Widow Dayanand S/o Hoshiyar Singh 6/3797 Part Smt. Neelam Widow Krishan S/o Hoshiyar Singh 10/3797 Part Praveen, Surender S/o Rajendra S/o Laik Ram Every Two Equal Co Share 181/3797 Part Jagat Singh, Jagbir Singh, Jaljeet Singh S/o Rajpal Singh S/o Dalip Singh Every Three Equal Co Share 475/3797 Part Smt. Ramrati Widow Rajpal Singh S/o Dalip Singh 791/3797 Part Mangeram S/o Lioram S/o Ratan Singh 1266/3797 Part Mukesh, Darshan, Karan Singh, Surender S/o Vedaram S/o Subharam Every Four Equal Co Share 91/3797 Part Virender S/o Jitram S/o Subharam 91/3797 Part Surjit Singh S/o Kartarey Alias Kartar Singh S/o Nandlal 79/3797 Part Smt. Krishna D/o Hoshiyar Singh S/o Rai Singh 26/3797 Part Sumit S/o Ramchander S/o Hoshiyar Singh 16/3797 Part Rakesh S/o Dayanand S/o Hoshiyar Singh 8/3797 Part Amit S/o Dayanand S/o Hoshiyar Singh 8/3797 Part Smt. Anita D/o Dayanand S/o Hoshiyar Singh 6/3797 Part Ankit S/o Krishan S/o Hoshiyar Singh 18/3797 Part Smt. Kitaboo W/o Jai Singh S/o Jageram 43/7594 Part Nyadar S/o Jageram S/o Sitaram 43/3797 Part Smt. Santosh W/o Balwant S/o Chatter 43/3797 Part Wasideh</p>	80

3	Ramehar, Shreekrishan S/o Mihi S/o Rccchheam Every Two Equal Co Shares Wasideh and Raj Singh Alias Rajender S/o Ratiram S/o Bhuru 17/165 Part Smt. Fulli D/o Ratiram S/o Bhuru 8/99 Part Jaipal S/o Chand S/o Ratiram 17/165 Part Ajit Singh S/o Karan S/o Ratiram 17/330 Part Smt. Pataso Widow And Sarjeet, Satender, Devender, Vikas S/o Ramkawar S/o Deepchand Every Five Equal Co Share 122/495 Part Anil Kumar S/o Ramprakash S/o Deepchand 122/495 Part Ramehar, Shree Krishan S/o Mihi S/o Richpal Every Two Equal Co Share 58/495 Part Jaibir S/o Karan S/o Ratiram 47/990 Part Wasi Pramjit Singh Bedi S/o Kartar Singh S/o Khem Singh 2/495 Part Wasi Kirti Nagar Wasi Delhi	
4	Suresh, Jaibhagvan, Shree Bhagvan, Neeraj S/o Narayan Singh, S/o Bakhtavar Every Four Equal Co Shares Wasideh	
5	Omprakash, Satbeer S/o and Smt. Sanhe D/o Balvan Singh S/o Shividhan Every Three Equal Co Shares 1/16 Ppart Sukhbeer, Ramesh. Jagat Singh S/o Dayanand S/o Shividhan Every Three Equal Co Shares 1/16 Part Ajay S/o Mahaveer S/o Dyanand 1/48 part Rajbeer S/o Smt. Risalo D/o Dhrma 1/6 part Smt. kamla Alias Santro Widow and Rina D/o Every Two Equal Co Shares 1/72 Part Ravindra S/o D/o 17/144 Part Jogindra S/o D/o 5/144 Part Smt. Nirmla Lichhmi, Murti D/o S/o Every Three Equal Co Shares 1/12 Part Smt. Kamlesh Widow and Naveen, Manjit S/o Jagveer S/o Every three equal co share 1/6 Part Praveen S/o Raghveer Singh S/o Dariyaav Singh 1/24 part RajeshS/o Khajan Singh S/o Dariyaav Singh 1/24 Part Jigindra, Krambeer S/o Dilbaag S/o Balvan Singh Every Two Equal Co Shares 5/72 Part Atul S/o Deeak, prem Singh Every Two Equal Co Shares 1/24 Part Vipin S/o Suresh S/o dariyaav Singh 1/24 Part Smt. Darshana W/o Dilbag Singh S/o Balvan Singh 5/144 Part Wasideh	
	Total	527

List of New Landowners, 2nd Additional, CALA- Jhajjar

Name of Village: Mundakhera		No of New Landowners
Serial Number	Name of the Land Owner/ Interested Persons	
1	Omprakash, Rakesh, Pawan S/o Pratap Singh S/o Kishan chand Every Two equal co share 1/8 Part Wasi Smt Anita Wife Omprakash S/o Pahlad 40/743 part wasi Smt. Pramila Wife Hariom S/o Pahlad 40/743 Part Vinod Kumar S/o Shree Kishan S/o Chiranjilal S/o 1/36 Part wasi Chandmuni, Surendra S/o and Gunita Daughter Gyanchand S/o Pratap Singh every three equal co share 1/32 Part wasi Smt. Rajbala widow and Dipanshu, Ankit S/o Ajya S/o Gyanchand Every three equal co share 1/96 part wasi Modal economic township limited gurugram 7/36 part Bhramprakash S/o Shree Kishan S/o Chrinjilal 3176465/15594084 part wasi Smt Rajrani Widow Satyanarayan S/o Vedram 1/48 part wasi Hosiyar Singh, Aanand, Sunil Kumar S/o Vedrfam S/o every three equal co share 7/48 part Smt. Poonamlata Wife Yogesh S/o Shree kishan 931/6996 part wasi	27
2	Manoj Kumar, Karan Singh S/o Dalel Singh S/o Dhrampal Every Two equal co share 1/6 Part Wasideh Sameer, Saheel S/o Bhramprakash S/o Dhrampal Every Two equal co share 1/6 Part Jaikishan, rajkumar, Ajit, Sunil S/o Birkha S/o Tota Every Four Equal co Share 1/3 Part Ypgesh, Dinesh S/o Mayachand S/o Totaram Every Two equal co share 1/3 Part Wasideh	
Name of Village: Lagarpur		
Serial Number	Name of the Land Owner / Interested Persons	
1	Sultaan Singh, Raju S/o Shree Ram S/o Ramswaroop Every Two Equal Co Share 1/3 Part Risal Singh, Subey Singh S/o Heera Lal S/o Ramswaroop Every Two Equal Co Share 1/3 Part Ankit S/o Bharat Singh Meer Singh 1/12 Harbeer, Harish Kumar, Manoj Kumar, Satish Kumar S/o Dharamchand S/o Meer Singh Every Four Equal Co Share 1/12 Part Jitender Kumar S/o Gopichand S/o Meer Singh 1/12 Part Surjeet Kumar S/o Mahender Singh S/o Meer Singh 1/24 Part Smt Sushila Wife Mahender Singh S/o Meer Singh 1/24 Part	12
Name of Village: Daryapur		
Serial Number	Name of the Land Owner/ Interested Persons	
1	Harendra S/o Hargyan Singh S/o Bhoop Singh wasideh	
2	Harendra S/o Hargyan Singh S/o Bhoop Singh wasideh	
3	Bijendra Singh, Anil Kumar S/o and Anita devi Daughter Ran Singh S/o Sukhiram Every Three equal co share 3/4 part Anil Kumar S/o Ran Singh S/o Sukhiram 1/4 part wasi	10

4	Bijendra Singh, Anil Kumar S/o and Anita devi Daughter Ran Singh S/o Sukhiram Every Three equal co share 3/4 part Anil Kumar S/o Ran Singh S/o Sukhiram 1/4 part wasi	
5	Jaswant S/o LalChand S/o Kanhiya Rajveer S/o Lalchand S/o Kanhiya Jogindra, Dharmendra S/o Rajendra S/o Lalchand Every two equal co share	
Name of Village: Badli		
Serial Number	Name of the Land Owner/ Interested Persons	
1	Dilbagh S/o Jaybhagwan Saarchand 247/784 Part Rambir, Harbir S/o Jaybhagwan Saarchand Every Two Equal Co Share 487/784 Part Wasi Rajbala Daughter Jaybhagwan Saarchand 1/784 Part Wasi Kaushalya, Sunita Daughters Jaybhagwan Sarchand Every Two Equal Co Share 3/196 Part Wasi Santosh Wife Harbeer S/o Jaybhagwan 37/784 Part Wasi	45
2	Pratap Singh S/o Ramsharan S/o Heera Lal wasi	
3	Pratap Singh S/o Ramsharan S/o Heera Lal wasi	
4	Tarif Singh, Mainpal S/o Kashiram S/o Harnam Every Two Equal Co Share 1/2 Part Wasi Shrimarti Santra Widow and Sandip Kumar ,Anil Kumar S/o Balwaan Singh S/o Suratram Every Three Equal Co Share 1/4 Part Wasi Shrimati Kamlesh Widow and Manoj S/o Baljeet Singh S/o Suratram Every Two Equal Co Share 1/4 Part Wasi	
5	Smt. Bharfo Devi Widow Suresh Kumar S/o Chandgi 1/20 part Smt Santosh Widow and Pravesh, Neetu Daughters and Praveen S/o Suresh kumar S/o Chandgi every four equal co share 17/180 part wasi Smt. Rajwanti Widow and Situ Daughter and Sandeep, Sumit S/o Surendrapal S/o Chandgi Every four equal co share 17/180 part Smt Sato Widow Bheem Singh S/o Tekchand 5/48 part Virendra Singh S/o Umed Singh S/o Surat Singh 1/12 part Shreemom, Rajveer, Ranveer Singh S/o Surat Singh S/o Molad Every three equal co share 1/4 part Tejpal S/o Tekchand S/o Molad 11/48 part	
6	Omprakash, Devendre S/o Narayan Singh S/o Ranjit Every Two Equal Co Share 2/3 Part Wasi Anuj, Dharmendra S/o Krishan S/o Narayan Singh Every Two Equal Co Share 1/3 Part Wasi	
7	Inder Singh S/o Hira S/o Shivnath 47/255 Part Wasi Rampat, Sher Singh S/o Hira S/o Shivnath Every Two Equal Co Share 1/2 Part Wasi Satyavanti Widow Jaypal S/o Hira 38/255 Part Wasi Manoj S/o Jaypal S/o Hira 1/6 Part Wasi	
8	Sheela Widow And Manju Daughter And Mukesh, Sombeer, Vikas S/o Rajkumar S/o Shivnarayan Every Five Equal Co Share Malkan Kabja Wasi	
9	Ran Singh S/o Chandar S/o Harikishan	
10	Prashant, Sahil, Gaurav S/o Jaibhagwan S/o Jaikarn Every Three Equal Co Share Wasi	
Name of Village: Majri		
Serial Number	Name of the Land Owner / Interested Persons	
1	Bala Devi Widow and Poonam Daughter and Sunil Kumar, Pravesh Kumar S/o Karan Singh S/o Manphool Every Four Equal co share	4
Name of Village: Gubhana		

Serial Number	Name of the Land Owner / Interested Persons	
1	Balwan Singh, Prakash Chandra, Halwan Singh Alias Sukhpal S/o Rughnath S/o Ramjas Every Three Equal co Share 3/5 Part Jai Singh, Mukesh S/o Magthi Ram S/o Rughnath Every Two Equal Co Share 1/5 Part Jaswant S/o Jaypal S/o Rughtnath 1/5 Part Wasideh	6
Name of Village: Bupania		
Serial Number	Name of the Land Owner / Interested Persons	
1	Hawa Singh, Surendra Singh S/o Hariram S/o nandram Every Equal two co share 2/3 Part Hawa Singh, Surendra Singh S/o Hariram S/o nandram Every two equal co share 1/3 part	46
2	Virenrdra Kumar, Nirmala S/o Murti Daughter Bhagwana Every two equal co share 1/40 part Smt Rajwanti Widow and Urmila Daughter ramnarayan S/o Every Two equal co share 9/320 part Kaptan, Rajendra, Balveer, Bharat Singh S/o and Savitri, Santosh, Sheela Daughters hardwari S/o Everu Seven equal co share 7/40 part Pankaj S/o and suman, meenu Daughters ramchandra S/o Hardwari Everu three equal co share 1/40 part Sunil Devi Widow and neeraj, dheeraj S/o Ramkishan S/o Hardwari Every three equal co share 1/360 part Wasidehj, Kishandei, Kukumkaur Daughter Hazari S/o Ramnath Every two equal co share 1/16 part wasi Narendra, Surendra S/o Ramnarayan S/o Every two equal co share 5/64 part Shankuntla, Sunita Devi, babita Meena Daughters Omprakash S/o Hazatri Every Four equal co share 9/160 part Sunita Devi Widow and Neeraj, Dheeraj S/o Ramkishan S/o Hardwari Every three equal co share 1/40 part Rajesh Chaudhary, Rakesh Chaudhary S/o Mahaveer Singh S/o ratan Singh Every Two equal co share 1/7 part Rakesh, Rajesh S/o Mahaveer Singh S/o ratan Singh Every two equal co share 5/14 part Kaptan Singh, Rajendra, Balveer, Bharat Singh S/o and Savitri, Sheela Santosh Daughters Hardwari S/o ramnath Every Seven equal co share 7/360 part Suman, Meenu Daughters and Pankaj S/o Ramchandra S/o Hardwari Every three equal co share 1/360 part	
Name of Village: Daboda Khurd		
Serial Number	Name of the Land Owner / Interested Persons	
1	Sahdev, Balveer Singh, Jagveer Singh Surajbhan S/o Ratiram Every three equal co share	29
2	Santram, Shree Krishnan S/o Bhagwana S/o Khushuram Every two equal co share 2/3 part Smt Krishna Devi Widow and Pramila, Nirmala, Koshilya Daughter and Pradeep kumar, Kuldeep S/o mahendra S/o Bhagwana Every Six Equal co share 1/3 part	
3	Surje, Bhimsingh, Prakash S/o Ram Swaroop S/o Sheoram Every three Equal co Share 1/2 Part Owner Possession Pahlad S/o Kaliram S/o Rampat 691/5586 Part Owner Possession Rambir S/o Kaliram S/o Rampat 211/5586	
4	Part Owner Possession Sanjeet S/o Kaliram S/o Rampat 451/5586 Part	

5	Owner Possession Ajit, Surender S/o Phulkawar S/o Bhagwana Equal Two Parts 320/3724 Part Owner Possession Sanjay S/o Satbir Singh S/o Raghbir Singh 160/7448 Part Owner Possession Meharsingh S/o Dharesingh S/o Mahasingh 160/3724 Part Owner Possession Ramesh, Suresh, Jagbir, Hariom S/o Kartar Singh S/o RamSwaroop Equal Four Parts 160/11172 Part Owner Possession Rambir, Rajbir S/o Sardarey S/o Ramswaroop Equal Two Parts 160/11172 Part Owner Possession Devender S/o Ramphal S/o Ram Swaroop 160/22344 Part Owner Possession Kailash S/o Satbir Singh S/o Raghbir Singh 71/3724 Part	
6		
7		
Name of Village: Mehendipur		
Serial Number	Name of the Land Owner / Interested Persons	
1	Smt Prem Dala Widow Satprakash S/o jailal Waisdeh	14
2	Jaipreet S/o Deshram S/p Ranjeet	
3	Kuldeep Singh S/o Jai Singh S/o Nihalu	
4	Kapor Singh, Dilbaag Singh S/o Ramsharan Every two equal co share 2/3 part Channo Devi widow and Babita Daughter Narendra, Mukuesh S/o Dhram Singh S/o Hiralal every four equal co share 1/3 part	
5	Smt Premwati Widow Puran Singh S/o Kaliram 1/5 [art wasi Jogindra Singh, Surendra Singh S/o Puran Singh Kaliram Every two equal co share 4/5 part	
6		
Name of Village: Jasour Kheri		
Serial Number	Name of the Land Owner / Interested Persons	
1	Bhram Prakash, Satprakash S/o harichand S/o Parsa Every Two equal co share 1/3 part Smt rakesh Wife Bijendra S/o Ramkanwar 1/6 part Sandeep Kumar S/o Hawa Singh S/o Jageyram 1/9 part Pradeep Kumar S/o hawa Singh S/o Jageyram 1/18 part Surendra Singh, Satnarayan, Bijendra Singh, Rajveer Singh S/o Baluram Alias Balkishan S/o Jageyram Every four equal co share 1/6 part Ranveer Singh, Viendra Singh, Kuldeep S/o Kartar Singh S/o Jageyram Every Three equal co share 1/6 part wasideh	30
2	Surendra Singh S/o Mahendra Singh S/o Hari Singh 1/10 part Aasish S/o Jasmendra S/o Hari Singh 1/10 part Smt Lakshmi Mata and Shankutla Devi widow and Preeti Daughter and Aashish S/o Jasmendra Singh S/o mahendra Singh every four equal co share 3/50 part Samundra Singh S/o hari Singh S/o Baijnath 1/2 part Smt lakshmi Widow and umirla, Nirmala Daughters and Surendra Singh S/o Mahendra Singh S/o hari Singh Every four equal co share 6/25 part wasideh	
3	Jai Bhagwan, Vedprakash, Ishwar Singh S/o Abheram S/o Nand Every Three Equal Co Share 3/4 Part of Hariprakash S/o Dalel S/o Abheram 29/240 Part of Smt. Murti Widow S/o Dalel, Abheram 31/240 Part of Wasideh	
4		
5	Kawar Singh, Narayan Singh S/o Sardar Singh, S/o Chandgiram, Every Two Equal Co Share Wasideh	
Name of Village: Kheri jasour		

Serial Number	Name of the Land Owner / Interested Persons	
1	Vinod Kumar, Naresh Kumar, Pravesh Kumar S/o Jaikaran S/o Thambu Every Three Equal Co Share Wasi Sehadpur Tehsil Sonipat	6
2	Ramesh, Dayanand, Kailash, Subhash S/o Nathharam S/o Surat Ram Every four equal co share 4/5 part Ashok Kumar, Harsh S/o Ramniwas S/o Nathharam Every Two equal co share 1/5 part wasideh	
Name of Village: Nilothi		
Serial Number	Name of the Land Owner / Interested Persons	
1	Smt. Kamlesh Wife Balwan Singh S/o Hariram 233/1788 Part Lalit, Pramod S/o Balwaan S/o Hariram Every two equal co share 1555/1788 Part wasideh	4
2	Satwanti Daughter Ramswaroop S/o Mahipat Wasideh	
Name of Village: Mandothi		
Serial Number	Name of the Land Owner / Interested Persons	
1	Mehtab Singh S/o Balwaan Singh S/o Surta 1/6 part Dinesh Kumar, Sanjeet S/o and Ompati wife Jeet Singh S/o Every three equal co share 1/9 part wasi Jagveer Singh, Randheer Singh, Balveer, Dalveer S/o Himmat alias Hemraj S/o Surta Every four equal co share 1/3 part Smt. Bimla Devi Wife Mehraab Singh S/o Balwaan Singh 1/6 part Jeet Singh, rajesh Kumar S/o Dharma S/o Surta Every two equal co share 4/27 part Wasi Smt. Geeta Devi Widow Pratap Singh S/o 2/27 part	53
2	Ranveer, Wazir, Ishwar S/o Hukmi S/o Shyonath Every Four Equal co share 1/3 part wasi Smt. Santosh Daughter and Rajpaal, Rajesh S/o Karne S/o Shyonath every three equal co share 1/4 part Smt. Meenu, Renu Daugther and Amit S/o Smt. Kamlesh S/o Karan Singh Every three equal co share 1/12 part wasi Satish, Pramod S/o Kapoor S/o Prabhu every two equal co share 1/3 part	
3		
4	RanSingh S/o Hosiyar Singh S/o Ramswaroop 1/3 part Padam Singh, Naveen S/o Bhoop Singh S/o Hosiyar Singh Every Two equal co share 1/3 part Umesh Kumar, Jai Singh S/o Hawa Singh S/o Hosiyar Singh Every Two equal co share 1/3 part wasi and Mahaveer S/o Pahlaad S/o Ramswaroop 2/5 part wasi Ramesh, Puran, Bhagat Singh S/o Chander Singh S/o Pahlaad Every three equal co share 3/5 part wasi	
5	Yogendra S/o Prabhu S/o Mohanlal wasi	
6	Ramdhan, Umed Singh S/o Dhramveer S/o Mangeyram Every two equal co share 1/6 part Sandeep, Pradeep, Bharat Singh S/o Ramkunwar S/o Mangeyram Every three equal co share 1/6 part Dhram Singh, Ramkunwar S/o Mangeyram S/o ramjilal Every two equal co share 2/3 part wasi	
7	Dhaniram, Singhram, Ram Singh S/o Ratiram S/o Shivilal Every Three Equal Co Share 1/3 Part Ravinder S/o Karan Singh S/o Ramsarup 1/4 Part Wasi	

	Sagar, Sunil S/o Ashok S/o Ran Singh Every Two Equal Co Share 1/4 Part Wasideh	
8	Ishwar, RaiSingh, Rajendra Singh S/o Kaliram S/o Mukhram Every Three Equal co share 3/4 part wasi Smt. Bhula Widow and Satish, Anish, Virendra S/o Dhreey S/o Kaliram Every four equal co share 1/4 part	
Name of Village: Asaudha Todran		
Serial Number	Name of the Land Owner / Interested Persons	
1	Smt. Kamla Devi Daughter Lakhi S/o Naubat 1/15 Part Krishan S/o Surajbhan S/o Naubat 2/15 Part Vikas, Vinay, Vishal S/o Yashpal S/o Hosiyarey Every three equal co share 1/150 part Satpal S/o Hosiyarey S/o Naubat 1/15 Part vikas, Vinay, Vishal S/o Yashpal S/o Hosiyarey Every three equal co share 3/50 Part Satbir, Rishiraj, Virendra S/o Jaibhan S/o Dhannad Every Three Co share 2/3 part wasideh	60
2	Bed Singh S/o Mansaram S/o Badan 1/8 Part Krishan S/o Sevaram S/o Mansha Ram 1/8 Part Smt. Mewa Devi Widow And Rahul, Mohit S/o Silakaram S/o Mageyram Every Three Equal Co Share 1/32 Part Dilbag Singh S/o Mageyram S/o Phool Singh 1/32 Part Smt. Satwanti Widow Jai Singh S/o Meharam 1/720 Part Arun, Sanjay S/o Prithi S/o Phool Singh Every Two Equal Co Share 1/24 Part Smt. Angoori Widow And Pooja D/o Every Two Equal Co Share 1/60 Part Ashwani, Naveen S/o Joginder S/o Prithi Every Two Equal Co Share 7/480 Part Subhram S/o Bholar S/o Ram Bakash 1/4 Part Ramphal S/o Sardar Singh S/o Jugalal 1/24 Part Jaswant Singh, Manoj Kumar S/o Ramphal S/o Sardar Singh Every Two Equal Co Share 1/12 Part Omprakash, Baljit S/o Meharam S/o Phool Singh Every Two Equal Co Share 1/32 Part Mahabir Singh, Sombir Singh S/o Jai Singh S/o Meharam Every Two Equal Co Share 41/2880 Part Ramchandar, Krishan Kumar, Darshanpal, Satpal S/o Narayan Singh S/o Phool Singh Every Four Equal Co Share 1/20 Part Smt. Kamla Widow And Sunil Kumar, Deepak S/o Devendra S/o Narayan Singh Every Three Equal Co Share 1/80 Part Smt. Saroj Widow And Smt. Anjali, Ashu D/o And Himanshu S/o Ajit Singh S/o Meharam Every Four Equal Co Share 1/64 Part Yashpaal Singh, Yashwant Singh S/o Tekram Alais Tekchand S/o Surajbhan Every Two Equal Co Share 1/8 Part Wasideh.	
3	Ranveer Singh, Kapoorye Every Two equal co share wasideh	
4	Jitendra, Jogendra S/o Nafe Singh S/o Meharam Every Two Equal Co Share Wasideh.	
5	Umed Singh, Hukam Singh, Dhir Singh S/o Surat Singh Adopted S/o Ramjilal Every Three Equal Co Share 1/3 Part Of Ramkawar, Jai Bhagwan, Rajesh S/o Rishal Singh S/o Richharam Every Three Equal Co Share 1/3 Part Raj Singh, Jagdish Chandra, Azad Singh, Rajbir S/o Rampat S/o Richharam Every Four Equal Co Share 1/3 Part Wasideh	
	Total	346

Village wise details of New Landowners, CALA-Sonipat

		New Land Owner
Name of Village: Pai		
Serial Number	Name of the Land Owner/ Interested Persons	
1	Jagveer Singh, Satish Kumar, Ajay Kumar S/o Ramphal Every three equal co share 4/15 Part Hukmo Widow	3
Name of Village: Barona		
Serial Number	Name of the Land Owner/ Interested Persons	
1	Jagveer Singh, Satish Kumar, Ajay Kumar S/o Ramphal Every three equal co share 4/15 Part Hukmo Widow and Anita D/O Ramphal S/o Khushiya Every two equal co share 1/15 part Sandeep Kumar, Kuldeep, Amit Kumar S/o Pratap Singh every three equal co share 1/6 part Pratap Singh S/o Khushiya S/o Nagar 1/6 Part Jaikaran, Krishan, Sanjay S/o Surajbhan every three equal co share 1/3 part Smt. Dhadaka widow and Khajani D/o Ram Singh S/o Hanshram every two equal co share 1/2 part Shreelal, Rishal Singh, Khanniya S/o and Muthari, Chandkaur D/o Jhudna S/o Hanshram Every five equal co share 1/2 part wasideh	19
Name of Village: Turakpur		
Serial Number	Name of the Land Owner/ Interested Persons	
1	Kawar Singh, Kaptan S/o Dalel Singh S/o Maha Singh Every two Equal co Share 1/2 Part Pardeep Singh, Jagbir singh, Sukhbir singh S/o Prem Singh S/o Maha Singh Every three Equal co Share 1/2 Part Wasideh	7
Name of Village: Mandora		
Serial Number	Name of the Land Owner/ Interested Persons	
1	Jagdish Rai, Ramkanwar, Satveer Singh S/o Muktyar Singh S/o Bhartu Every three equal co share 328/577 Part Amit, Sumit S/o Balwan Singh S/o Narayan Singh Every Two equal co share 249/577 Part wasideh	20
2	Sukhbir Singh, Ajit Singh S/o Jagram Adopted Son Smt. Sudhi Every two Equal co Share 2/3 Part Smt. Surender Kaur Widow And Babita S/o And Rakesh,	
3	Mukesh S/o Randhir Singh S/o Jagram Every four Equal co Share 1/3 Part Wasideh	
4	Smt Khajno Widow and Rajbeer Singh, Rajpal Singh, Bijendra Singh, Narendra Kumar, Jasveer, Jasveer, Naresh Singh, Ravindra Singh S/o Narayan Singh S/o Shree Lal Every eight equal co share wasideh	
5		
6	Shree Krishan S/o Dariyov Singh S/o Radhey Singh Wasideh	
Name of Village: Nahra		
Serial Number	Name of the Land Owner/ Interested Persons	

1	Ramchandra S/o Chhaju S/o Bholar 41/126 part Mrs. Krishna Widow Rampal S/o Chhajuram 2/35 part Karambir, Dharambir, Rambir S/o Rampal S/o Chhajura Every three equal co share 169/630 part Bhapari Widow Ramphal S/o Chhaju 1/35 part Smt Suman daughter of Ramphal son of Chhaju 2 /35 part Rajesh Son Smt Roshni s/o Chhaju 1/42 part Jasbir, Sombir, Ombir s/o Ramphal s/o Chajram Every Three equal co share 151/630 part Wasideh	11
Name of Village: Malha Majra		
Serial Number	Name of the Land Owner/ Interested Persons	
1	Birsingh s/o Hukam Singh s/o Thamburam 31/69 resident Smt. Kamala Devi wife Birsingh s/o Hukamsingh 7/138 resident Smt. Lichmi Widow Ramgopal s/o Badle 80/399 resident Pramjeet, Ashish s/o Ajit s/o Ramgopal Every two equal co share 80/399 resident Smt. Lichmi Mata and Mrs. Sheela Widow and Sonia daughter of Ajit Singh son of Ram Gopal, residents of Har Teen Samabhag 79/798 Part	
2	Mahaveer S/o Jaiveer S/o Sher Singh 353/962 Part Wasideh Smt Manita Wife Shree bhagwan S/o Ramendra Singh 16/481 Part wasi Smt Rekha Devi Wife Sanjay S/o Ramendra 24/481 Part Sanjay S/o Ramendra 24/481 Part Deepak S/o Jaiveer S/o 1/8 Part Smt Jagvanti mother and Smt Rekha widow and Hansikha Daughter and Prince S/o Sumit S/o Surendra Every four equal co share 1/8 Part Smt Jagvanti Wife Surendra S/o Jaiveer 1/4 Part Wasideh	
3	Dalip S/o SabhaChand S/o Bhondu Wasideh	
4	Dharam Singh S/o Chhatar Singh S/o Jhunda 1/5 Part Kartar Singh, Jagdish S/o Chhatar Singh S/o Jhunda Every Two Equal Co Share 2/3 Part Joginder S/o Dharam Singh S/o Chhatar 883/12360 Part Wasideh Smt.Dayawati W/O Suresh S/o Harnarayan 51/824 Part Wasi Rathdhana Wasi Sonipat	
5	Shree Krishan, Sukhveer, Ramesh, Bijendra S/o narayan Singh S/o Prasha Every four equal co share 1/2 Part Ajay S/o Dhramveer S/o Angrej 1/2 Part	28
Name of Village: Chhatehra Bahadurpur		
Serial Number	Name of the Land Owner/ Interested Persons	
1	Subey Singh son of Kriparam son of Gopal 1/3 part Surendra Kumar, Vijendra Singh, Lalit Kumar son of Santram son of Kriparam each three equal parts 1/3 part Phulkawar, Balwan, Ralikram son of Parasram son of Kriparam Every three equal co share 1/3 part Vasideh	
2	Rajpal, Shivkumar, Rajveer, Rishiprakash, Bijendra, Sunil S/o Khemchandra S/o Surjan Every Six Equal co share	
3	Jitendra Kumar, Deepak kumar son of Bhimsingh son of Kundan every two equal co share 2/9 parts Rahul son and Smt Jyoti daughter and Smt Usha Widow Ashok Kumar son of Bhimsingh every three equal co share 1/9 part Jagbir Singh son of Kundan son of Ballu 1/3 part Sawan, Aman son of Ravindra Son Dharamveer Singh Every two equal co share 1/3 Part Vasideh	
4		
5	Jaswant Singh Son Braj Singh Son Ramgopal Wasi	33

6	Vedprakash s/o Fateh s/o Harphool 1/16 part Rameshchand s/o Banwarilal s/o Chandgiram 1/4 part Mukesh s/o Ramesh s/o Banwarilal 1/2 part Mukhtyarsingh s/o Fateh s/o Harphool 139/3552 part Dalel Singh s/o Fateh s/o Harphool 119/7104 part Vasideh Smt Nirmala s/o Narayan Singh Son Jagatsih 31/444 Part resident Barota Smt Rajpati Widow and Punam, Sangeeta daughters and Sandeep, Sunil Son Santram Son Fatehsih Every five equal co share 439/7104 Part Vasideh	
7		
Name of Village: Akbarpur Barota		
Serial Number	Name of the Land Owner/ Interested Persons	
1	Babu Lal, Subhash Chandra son of Hemchandra son of Hari Singh Every two equal co share 1/4 part Ashok Kumar, Sukhan alias Shiv Kumar, Madan son of Shrimati Alka, Dharamdevi alias Premlata daughters of Hemraj son of Malkharam Every five equal co share 1/2 part Rachna daughter of Risal Singh son of Hari Singh 1/4 part wasideh	
2	Vinod Kumar S/o and Poonam Daughter Lakhsminarayan S/o Chandrabhan Every two equal co share	10
Name of Village: Jagdispur		
Serial Number	Name of the Land Owner/ Interested Persons	
1	Sanni S/o Satveer Singh S/o Ramdiya 256/1537 part Sunil, Sumit S/o Dalveer Singh S/o ramdiya Every two equal co share 256/1537 Part Ashvani, Mohit S/o Ramesh S/o Ramdiya Every two equal co share 257/1537 part yash Son Suresh Son Ramdiya 256/1537 Part Ravi Son Sukhveer Singh Son ramdiya 192/1537 Part Naresh Kumar Son Ramdiya Son Prabhu 96/1537 Part Suresh Son Ramdiya Son 160/1537	
2	Smt. Chalti Widow Meer Singh S/o Ratiram 1/4 Part Samunder Singh S/o Meher Singh S/o Ratiram 1/4 Part Surender Singh, Virender Singh, Vijay Singh S/o And Sunita Manita D/o Shrikishan S/o Ratiram Every Five Equal Co Share 5/14 Part Rekha Widow And Meenu D/o Kishan S/o Every Two Equal Co Share 1/14 Part Rekha Widow And Ishu D/o Sunildatt S/o Shrikishan Every Two Equal Co Share 1/14 Part Wasideh	
3	Ramehar, Ajit Singh, Rajkumar, Ashok Kumar, Krishan Kumar S/o Kurdiya S/o Molad Every Five Equal co share Wasideh	
4		
		25
Total		156