



Mr Anand Singh

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Mobile APP for TL Maintenance

NAinA

Novel **A**sset **i**nformation **A**pplication

JBS Enterprises Pvt. Ltd.

"A One Stop Solution Provider For Erection, Testing, Commissioning,
Operation & Maintenance of Substations and Transmission Lines"

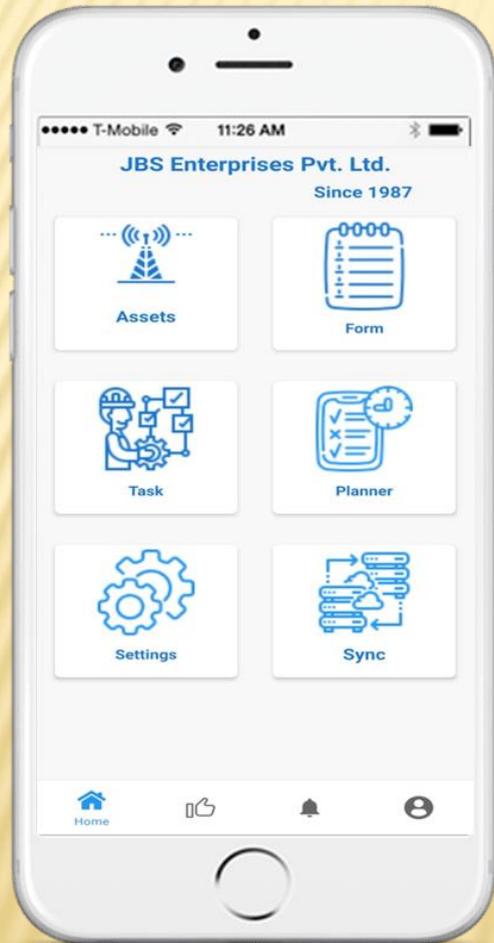
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NAinA

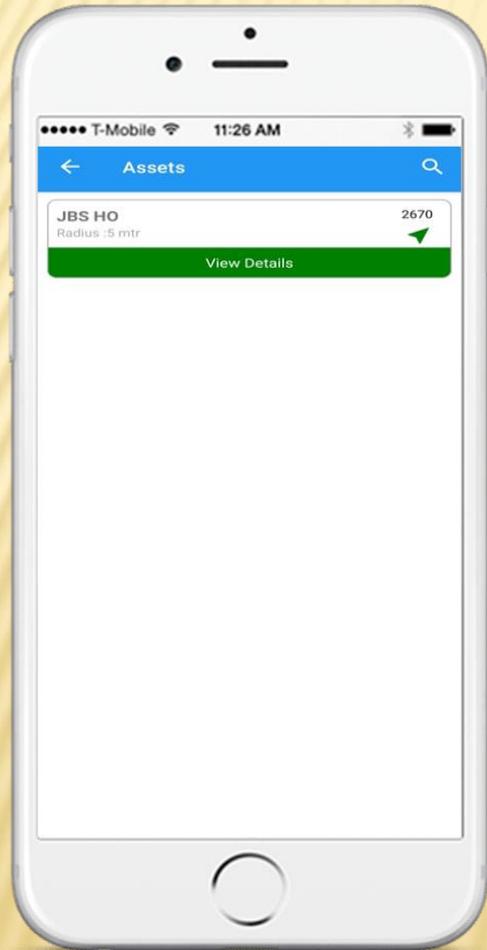
Novel **A**sset **i**nformation **A**pplication

NainA - FEATURES



- A novel mobile application (NainA) improves efficiency in response, transparency in processes, and centralization of data
 - Easy to operate & follows the existing checklist
 - The data quality is independent of the user's interpretation - mandatory to submit required details in the App
 - Automated patrolling & inspection scheduling, task planner, visit alerts & completed tasks
 - Eliminates the need of dedicated personnel for data transfer
 - Capture and utilize real-time data
 - Geo-tagged Assets with GIS based tracking of employee
 - Data is shared live ensuring 100% transparency and authenticity of data
 - Customizable processes & reports
 - Any defect is supported with photos (mandatory)
 - Field Staff Management - using
 - GIS based USER tracking - using GPS / AGPS / GLONASS / NAVIC
 - Mobile based attendance

NainA - WORKFLOW



- Automated patrolling & inspection scheduling along with task planner
- Objective data capture by sequential & comprehensive mandatory check of all the required parameters
- Specific checklist is activated and accessible only at geographic vicinity of the Geo-tagged Asset
- Data filled, submitted is available live to the authorized credential (allocated personnel)
- Tailor made reports feasible

NainA - DATA CAPTURE & DISPLAY



- Field person can enter data ONLY when he is in the GEO FENCE (vicinity) of the Asset
- Sequence of data collection modifiable. Patrolling activities can be planned / scheduled for each filed person
- Mandatory images to substantiate the issue mentioned
- Data is not stored in the mobile - comes to the back end - remains as encrypted file
- Dashboard has text as per the activities along with the images convertible to required report formats
- Analysis of the collected data feasible based on the defined criteria

NainA - FEW SAMPLES OF SCREENS

JBS ENTERPRISES PVT. LTD.

Login

Username

Password

[New User ?](#)

Login

- ← JBS HO
- Day Patrolling >
 - TL Attendance >
 - Due Diligence - Transmission Line >
 - Asset Health Screening - MS Line >
 - Tool Box Talk >

Health

Network

Network Type: WIFI
Network Speed: 72 Mbps

Location

Provider: fused
Location: 19.2144703, 72.9763675
Last Time: 2021-02-11 12:23:47

App Info

Username: NAINA003
Android Id: eaddb8ddf9e5891d
App Version: 1.11-UAT
OS Version: 11
Model: vivo_2018
Battery Level: 69%

Home Health Notifications Profile

Profile


Mohd Sohel Ansari

 sohel@jbsepl.com

 7977408884

 Monitoring User



 DEACTIVE

 JBS NAINA UAT-2017 eaddb8ddf9e5891d

LOG OUT

Home Profile Notifications

REPORTS

- Data captured is reflected in individual cell in a DASHBOARD / EXCEL format
- For data security - We have ensured the Data collected especially the pictures are not stored in the user handset
- Customize report combining the information required can be done quickly
- This report can be presented in the expected format - Example PDF with the UPPTCL logo at the desired place
- UPPTCL will get direct accesses to DASHBOARD / EXCEL for quick review - Available 24/7

REPORT - SAMPLE

Monitoring_Name	User_Name	Process_Name	Asset_Name	Visit_In_Time	Visit_Out_Time	Visit_Duration	Latitude	Longitude	Location	R.O.W				Soil levelling			
Monitoring_Name	User_Name	Process_Name	Asset_Name	Visit_In_Time	Visit_Out_Time	Visit_Duration	Latitude	Longitude	Location	Check In Selfie	R.O.W?	Soil Levelling?	Affected Legs?	Photo 1	Photo 2	Photo 3	Photo 4
Day Patrolling 2021-02-08 11:52	NERSS 5	Day Patrolling	SM-1-AP01	11:52:36	12:19:21	0:27:45	24.826171	92.7234683	Indragarhgrant Assam		No Issue	Not Ok	Leg A, Leg B, Leg C, Leg D				
Day Patrolling 2021-02-08 12:46	NERSS 5	Day Patrolling	SM-2-AP02	12:46:47	13:11:33	0:25:46	24.82622	92.724625	Indragarhgrant Assam		No Issue	Ok					

Coping	Muffling	Affected Legs?	Muffling				Description	Condition Of Stub	Revetment	Affected Legs?	Revetment				Remarks
Coping?	Muffling?	Affected Legs?	Photo 1	Photo 2	Photo 3	Photo 4	Description	Condition of Stub	Revetment	Affected Legs?	Photo 1	Photo 2	Photo 3	Photo 4	Remarks
Ok	Not Ok	Leg A, Leg B, Leg C, Leg D					W/P	Ok	Not Ok	Leg B, Leg C					W/P
Ok	Not Ok	Leg A, Leg B, Leg C, Leg D					Revetment wall reqeud leg A, B & Backwall reqeud leg C, D	Ok	Not Ok	Leg A, Leg B					revetment reqeud

Earthing?	Select Leg?	Earthing				Description	Tack Welding		Select Leg?	Painting				Description (If Reason not Matched)
Earthing?	Select Leg?	Photo 1	Photo 2	Photo 3	Photo 4	Description	Tack Welding	Painting	Select Leg?	Photo 1	Photo 2	Photo 3	Photo 4	Description (If Reason not Matched)
Not Ok	Leg A					earthing not done Leg	Ok	Ok						
Ok							Ok	Not Ok	Leg A, Leg B, Leg C, Leg D					T/W paint proper not done

OPGW Fitting		Earthwire Fitting			Crossing	Special Observation	Tree Details	Rectification - If Any	Check Out					
OPGW Fitting Type	OPGW Fitting Suspension	Description	OPGW Fitting Tension	Description	Ew Fitting Type	Ew Fitting Suspension	Ew Fitting Tension	Is there any Crossing?	Special Observation	Tree Details	Rectification During Patrolling	Check Out Selfie	Patrolled By or Inspected By	Signature of Inspector
Tension		opgw work not done	Not Ok	opgw work not done	Tension		Ok	No	W/P	Ok	Not Done		Noratam deshi sarkar	
Tension		OPGW WORK NOT DONE	Not Ok	OPGW WORK NOT DONE	Tension		Ok	No	NA	Ok	Not Done		Noratam deshi sarkar	

NAinA SAMPLE REPORT - URL -

https://drive.google.com/drive/folders/14KZXjCwWztCr8w5wRlY_67elyJZkQKRn?usp=sharing

PHOTO

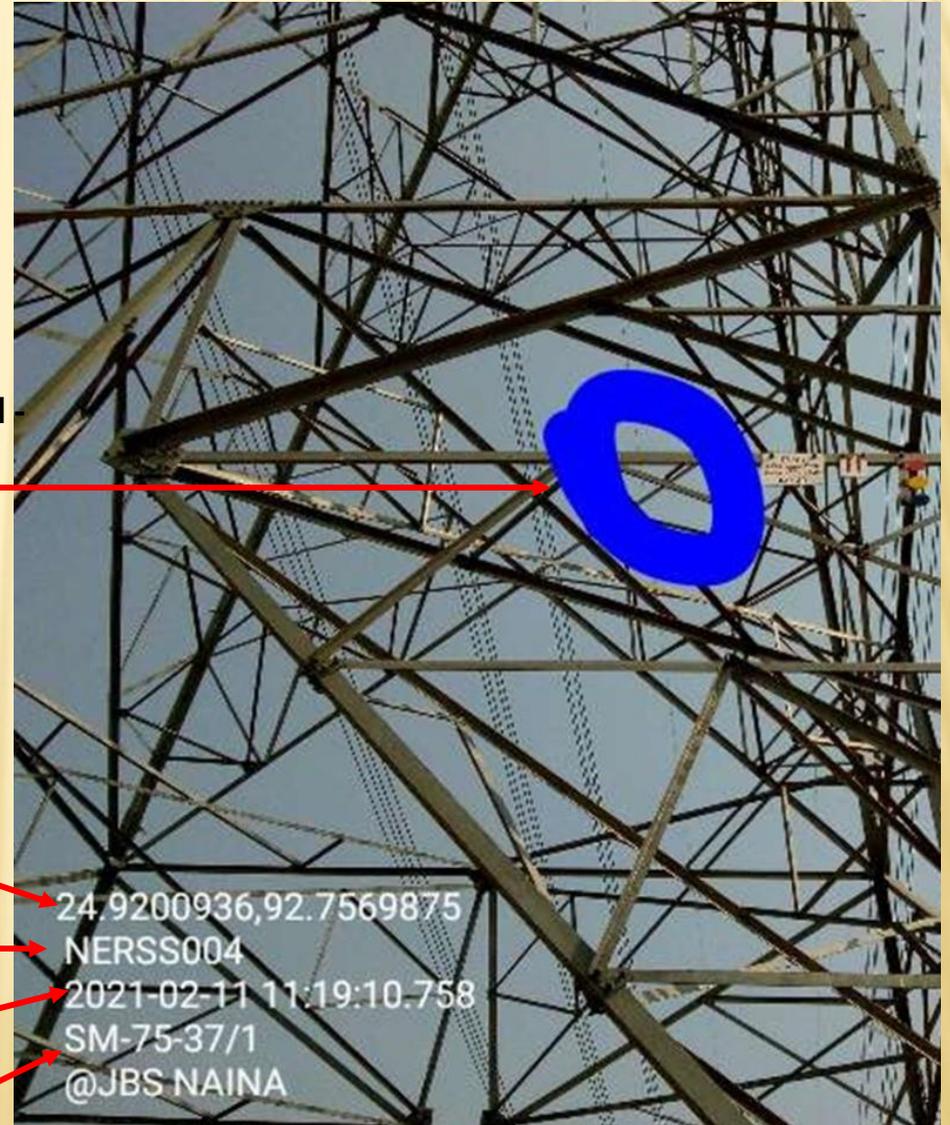


***Mandatory check-in selfie for record of team**



***Mandatory signature for record of data authenticity**

***Defect Observed
Number Plate
Missing**



**Latitude & Longitude
where photo clicked**

Username

Data & Time of Visit

Asset Name

24.9200936,92.7569875
NERSS004
2021-02-11 11:19:10.758
SM-75-37/1
@JBS NAINA

PORTAL VIEW

Welcome JBS Enterprises Pvt. Ltd.

[Home](#)

[Dashboard](#)

JBS Enterprises Pvt. Ltd.



Top ↑ Bottom ↓

User	Distance ↑
Ranchi Purniya	72.84
Jyoti Pattnaik	59.23
400 kv Nizamabad - Shankarpalli - Medak Hub - Prakash Mahto	45.41
Ajay Upadhaya	38.19
Sagar - Santosh Yadav	38.18

User	Places ↑
Biharsharif Purnia -BPTL- Khagaria - Mukesh Kumar Singh	10
132Kv Bhopal IT Park	0
220Kv Channera	0
400 kv Darbhanga GIS - Rajesh Yadav	0
400 kv GIS Mothari - Chandan Kumar Singh	0

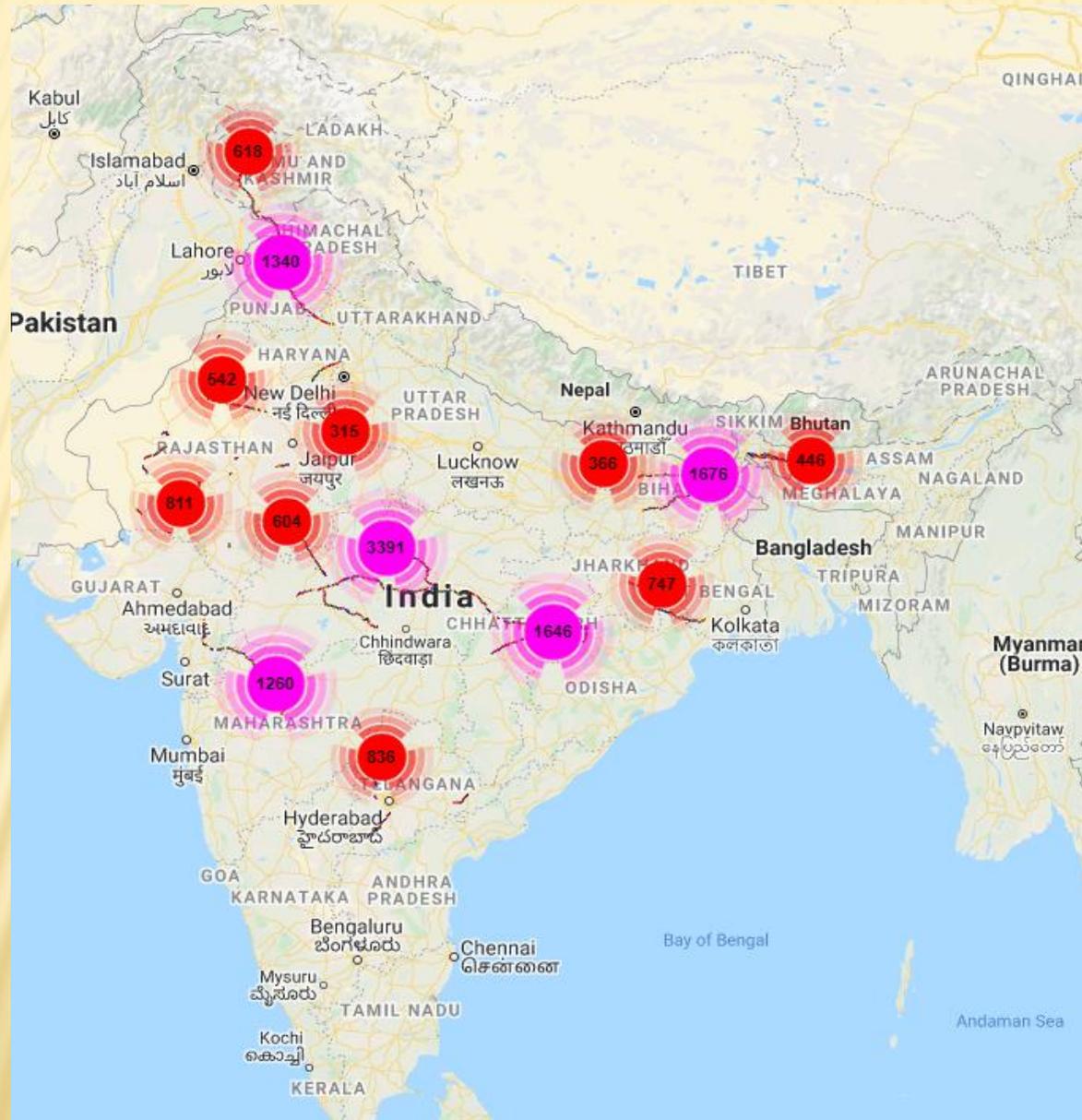
User	Form ↑
Supaul - Ashutosh Kumar	286
Biharsharif - Purnia - Shanishant - Biharsharif	246
Gaurav Kumar	240
Ramdeo Mahato - Nakodar	205
Biharsharif Purnia -BPTL- Khagaria - Mukesh Kumar Singh	193

User	Visit ↑
Biharsharif - Purnia - Shanishant - Biharsharif	5
Ramdeo Mahato - Nakodar	5
Sagar - Santosh Yadav	5
Supaul - Ashutosh Kumar	5
Gaurav Kumar	4

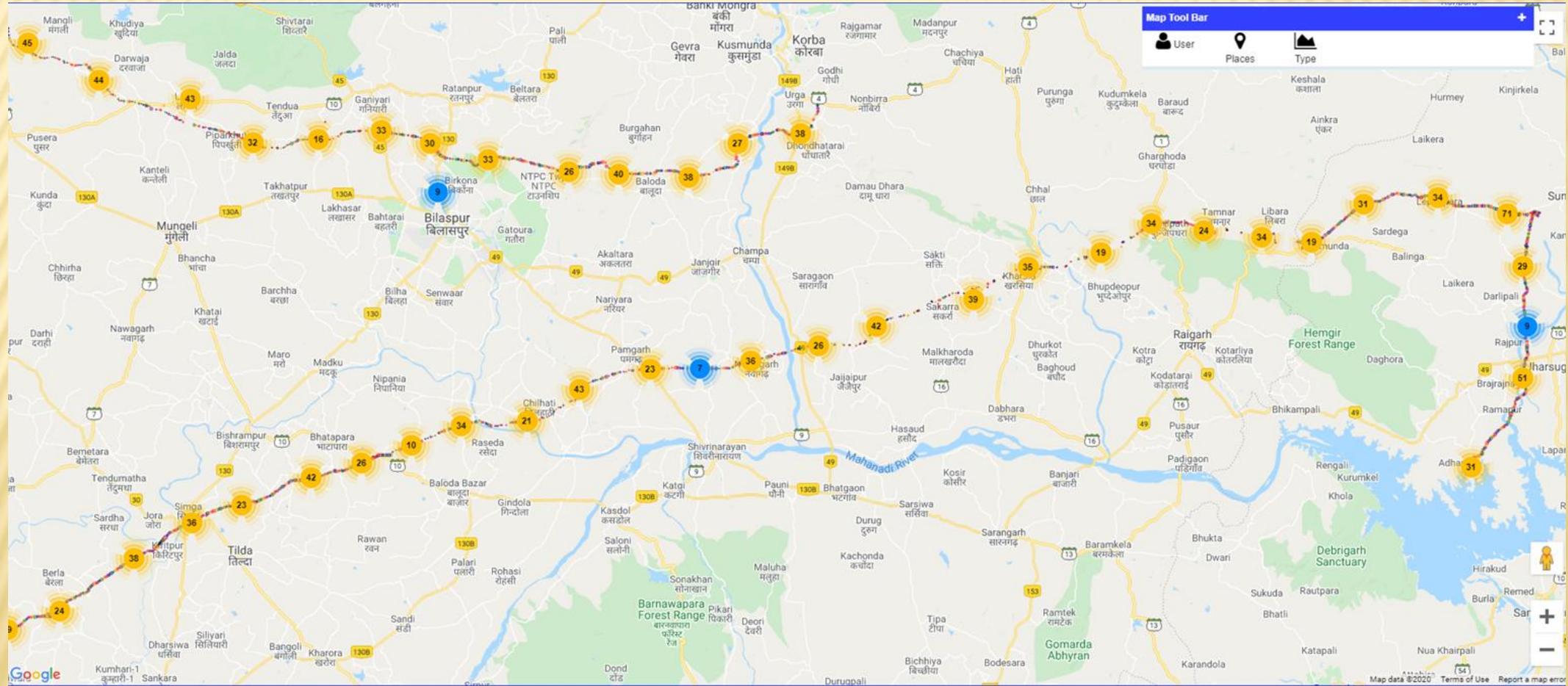
AutoRefresh: 13 Of 14 Selected Download

User Name	Name	Location / Map	Speed	Battery	Last Update	Co-ordinates	Distance	Visits	Form	Places	Status	Settings
JBS10887	Pawan Singh - Naresh Kulariya - Assistant Manager Barmer	At Bagoda - Sindhari Road, Sindari, Barmer, Rajasthan 344033, India	0	81%	2019-11-10 06:46:42	25.561267,71.938024	0.00	0	0	0	Idle	Show
JBS10888	Pawan Singh - Bhagwan Singh - Assistant Manager - Jaisalmer	At 132 kv gss gadra road	0	79%	2019-12-17 23:56:00	25.756460,70.648614	0.00	0	0	0	Check In	Show
JBS11962	Basant Gupta - CSPTCL - Chattisgarh DM	At MIG-41, Gaurav Path, Light Industrial Area, Bhalai Charoda M Part, Durg, Chhatti...	0	8%	2019-12-24 11:10:49	21.223255,81.367342	0.00	0	0	0	Check In	Show

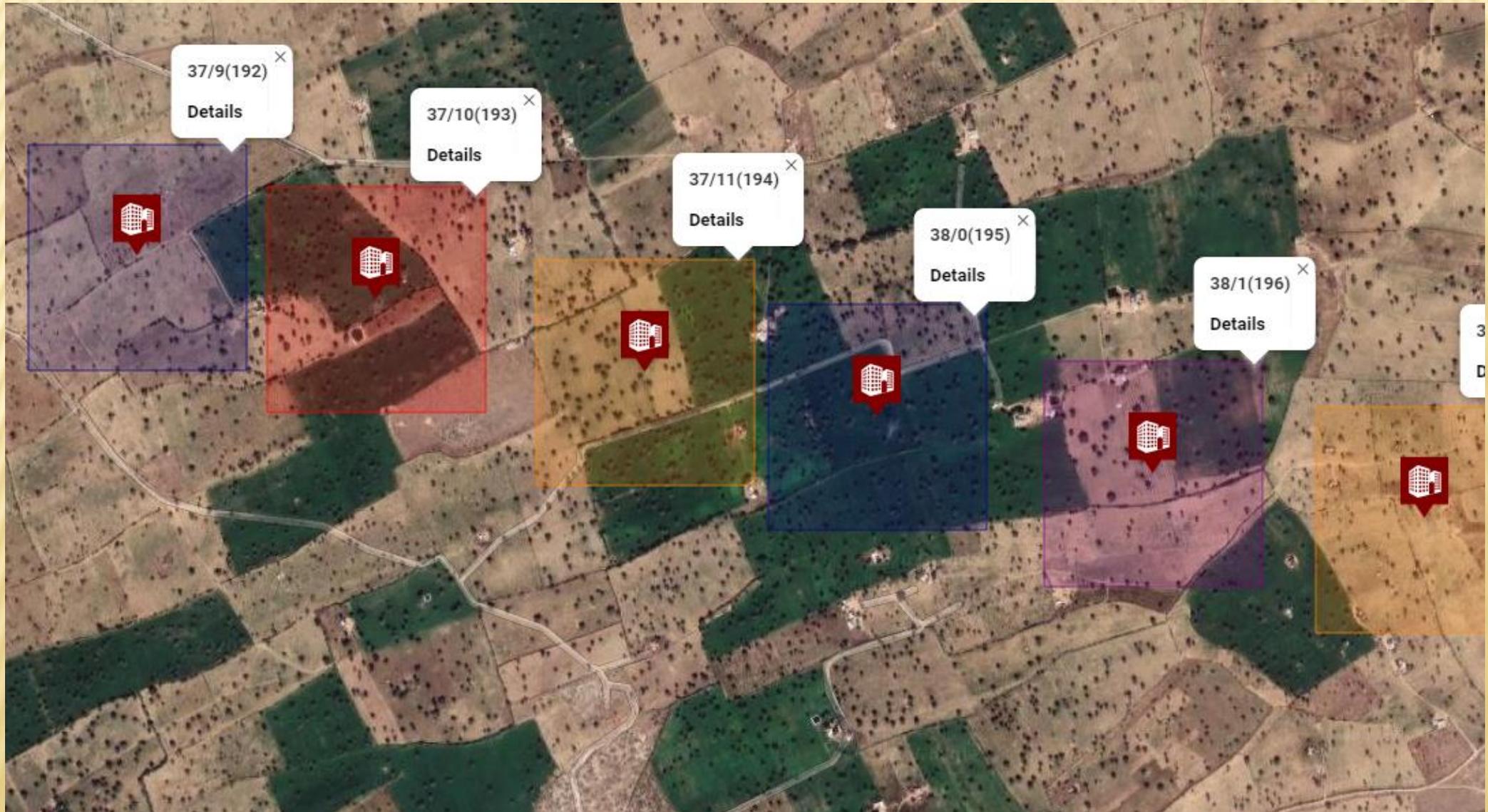
TOWER MAPPING - GROUP



ASSET MAPPING - APP



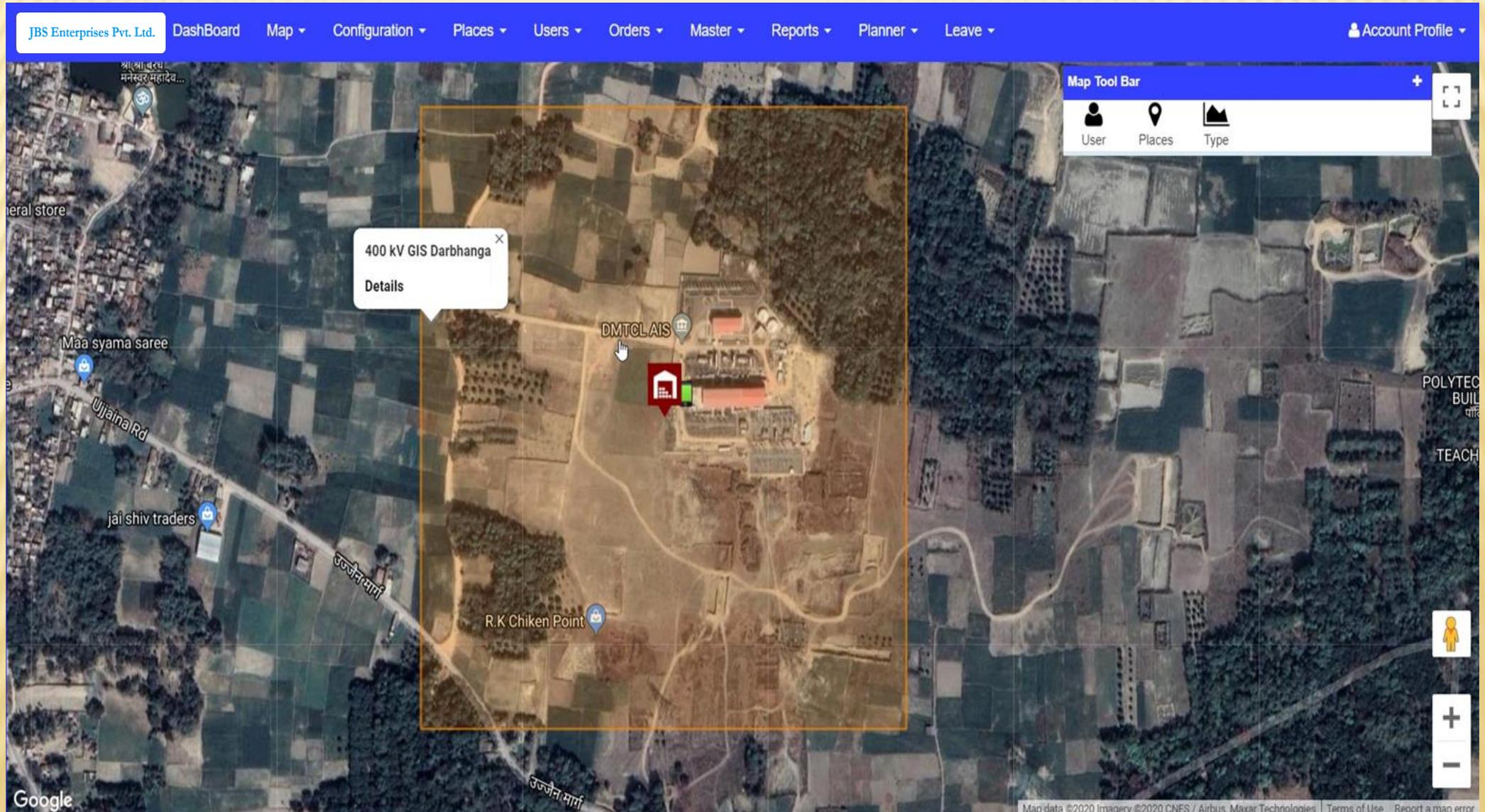
TOWER LOCATIONS TRACKING - APP



GEO FENCED TOWER



GEO FENCED SUBSTATION



FIELD STAFF – PORTAL VIEW

JBS Enterprises Pvt. Ltd. DashBoard Map ▾ Configuration ▾ Places ▾ Users ▾ Orders ▾ Master ▾ Reports ▾ Planner ▾ Leave ▾ Account Profile ▾

Map Tool Bar + []

User Places Type

Map data ©2020 Google, SK telecom Imagery ©2020 TerraMetrics Terms of Use

FIELD STAFF TRACKING - GIS BASED

JBS Enterprises Pvt. Ltd. Dashboard Map Configuration Places Users Orders Master Reports Planner Leave Account Profile

Map Tool Bar

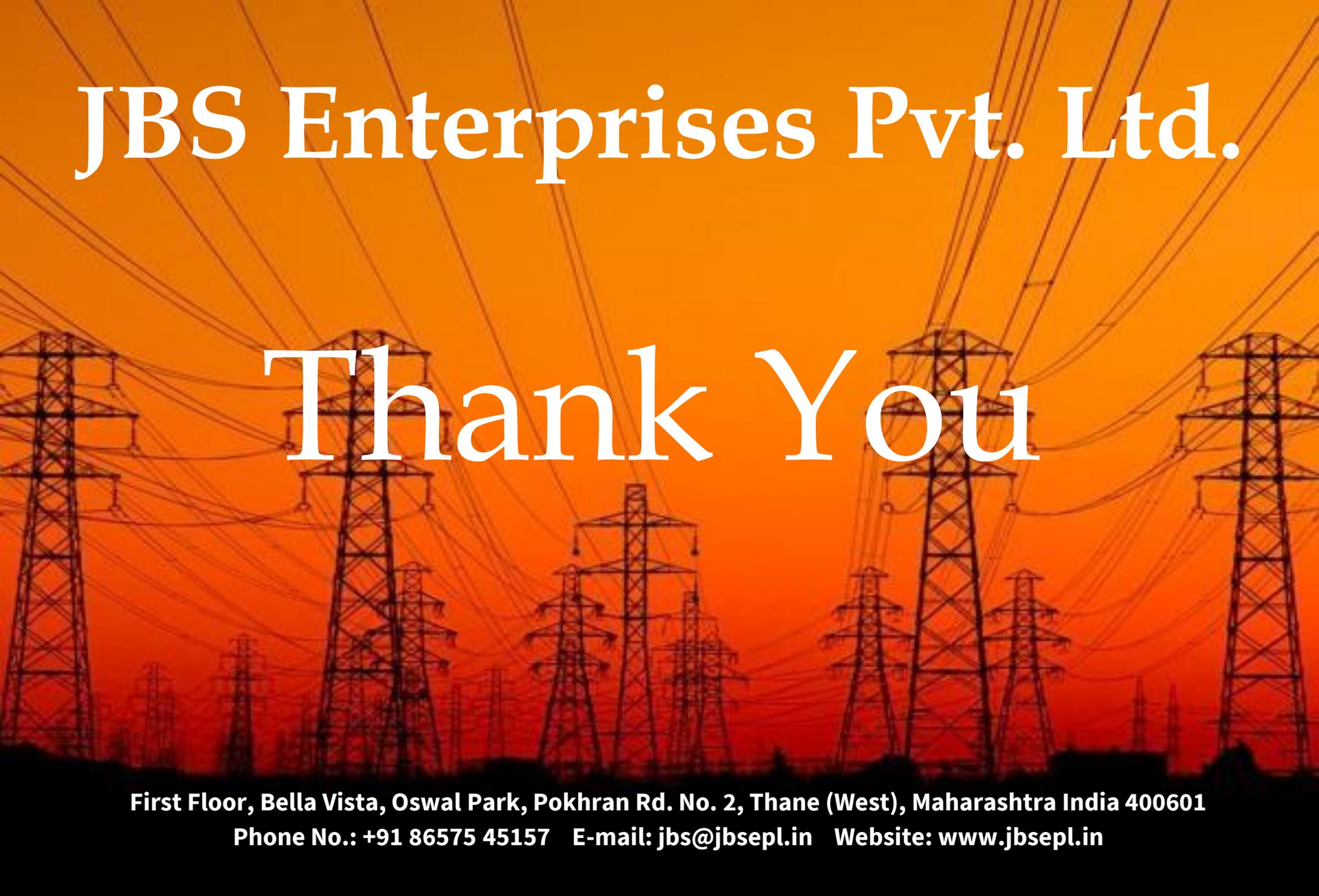
- User
- Places
- Icons
- Type
- Replay

User Name : JBS8836
Name : Jyoti Pattnaik
Status : Check In
Battery : 81%
Speed : 0 Kms/Hr
Last Update : 2020-01-06 10:19:25
Distance : 12.89Km
Location : At Bhandor, Bharatpur, Rajasthan India

Name : Jyoti Pattnaik
User Name : JBS8836

Status : Check In **Battery :** 81% **Speed :** 0 Kms/Hr **Last Update :** 2020-01-06 10:19:25 **Distance :** 12.89 Km
Location : At Bhandor, Bharatpur, Rajasthan India

Map data ©2020 Terms of Use Report a map error



JBS Enterprises Pvt. Ltd.

Thank You

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