



# JAWAHARLAL NEHRU PORT TRUST

AUTOMATED GATE SYSTEM



# AUTOMATED GATE SYSTEM



Project of JNPT to optimize and computerize the flow of work

Designed by Suraj Informatics Pvt. Ltd.



#### Flow Of Transaction



- 1. Truck and Driver registration
- 2. Truck Booking
- 3. In Survey
- 4. IN Gate Transaction
- 5. Out Survey
- 6. Out Gate Transaction
- 7. Inter Terminal Transaction

Before we proceed, let's take look to animated gate transaction

https://www.youtube.com/watch?v=wywqrWcZ-6k



# AUTOMATED GATE SYSTEM

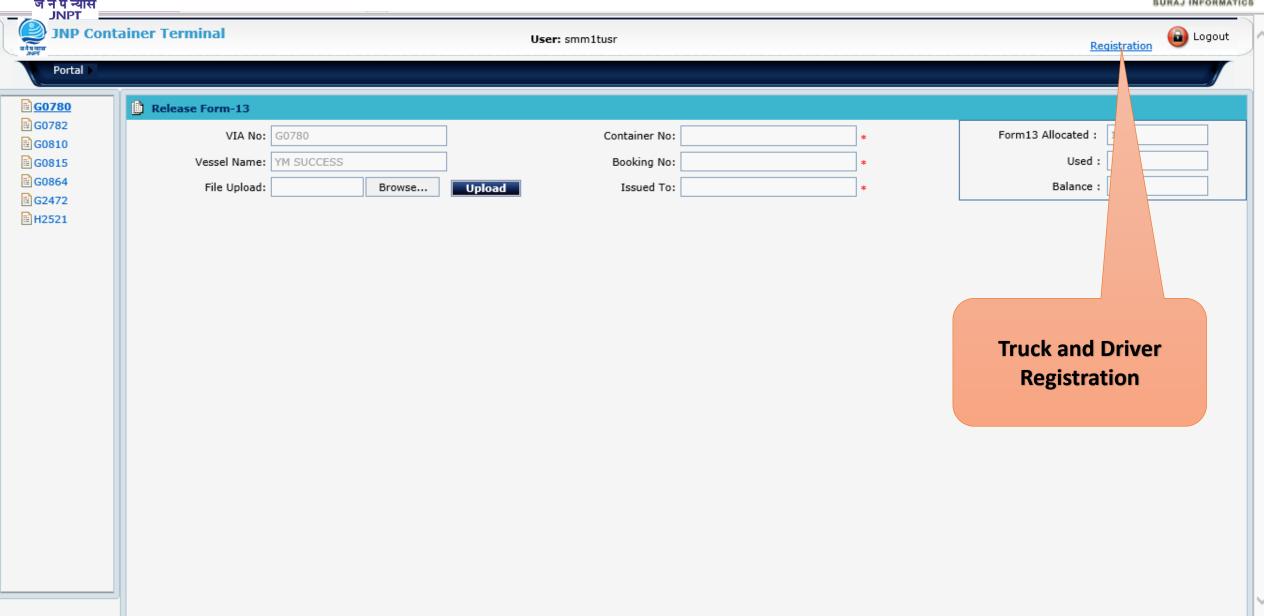


# Truck and Driver Registration



# **Registration Link from JNPT Export E-FORM13**

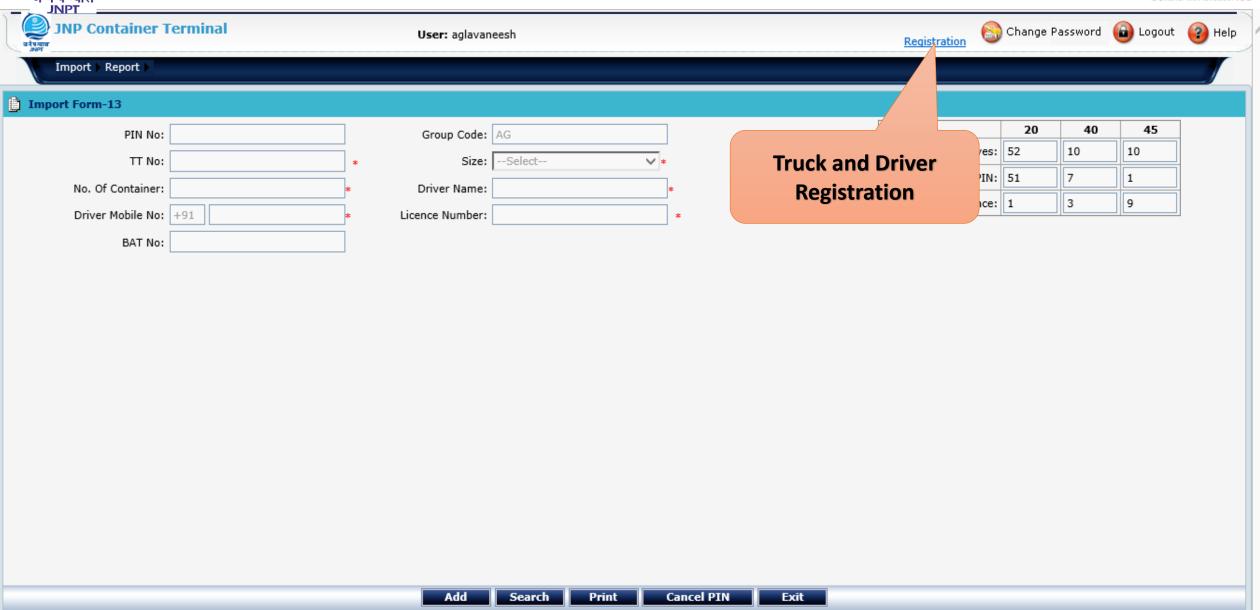






# **Registration Link from JNPT Import E-FORM13**

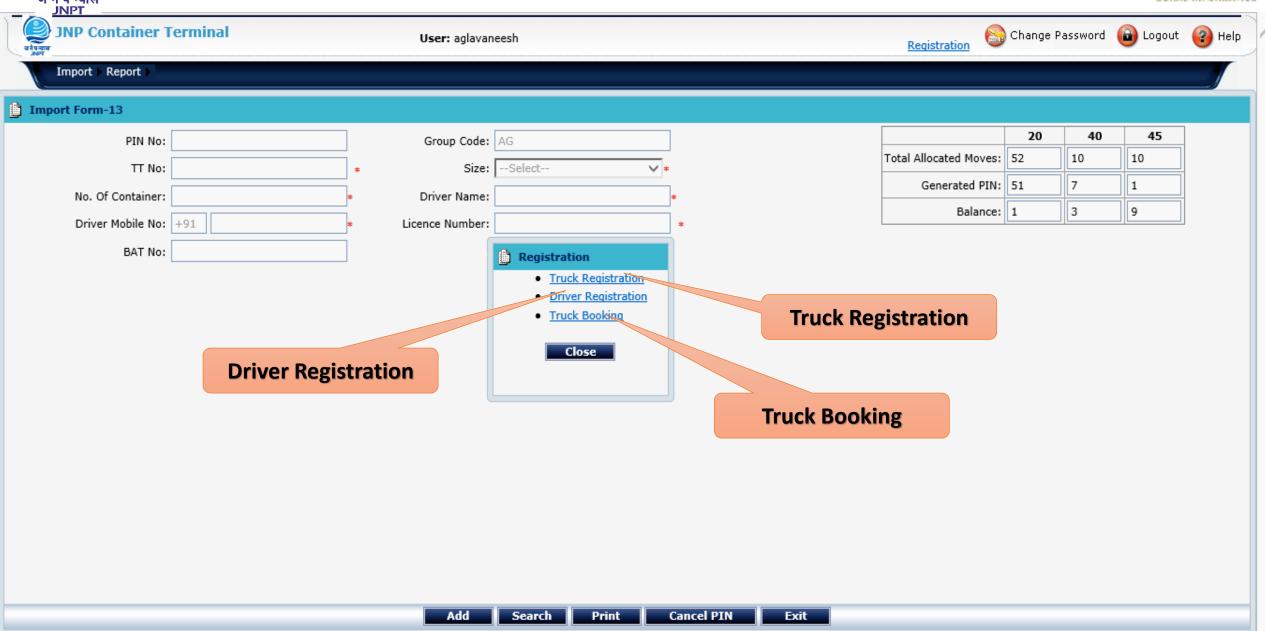






## **Registration Link from JNPT Import E-FORM13**

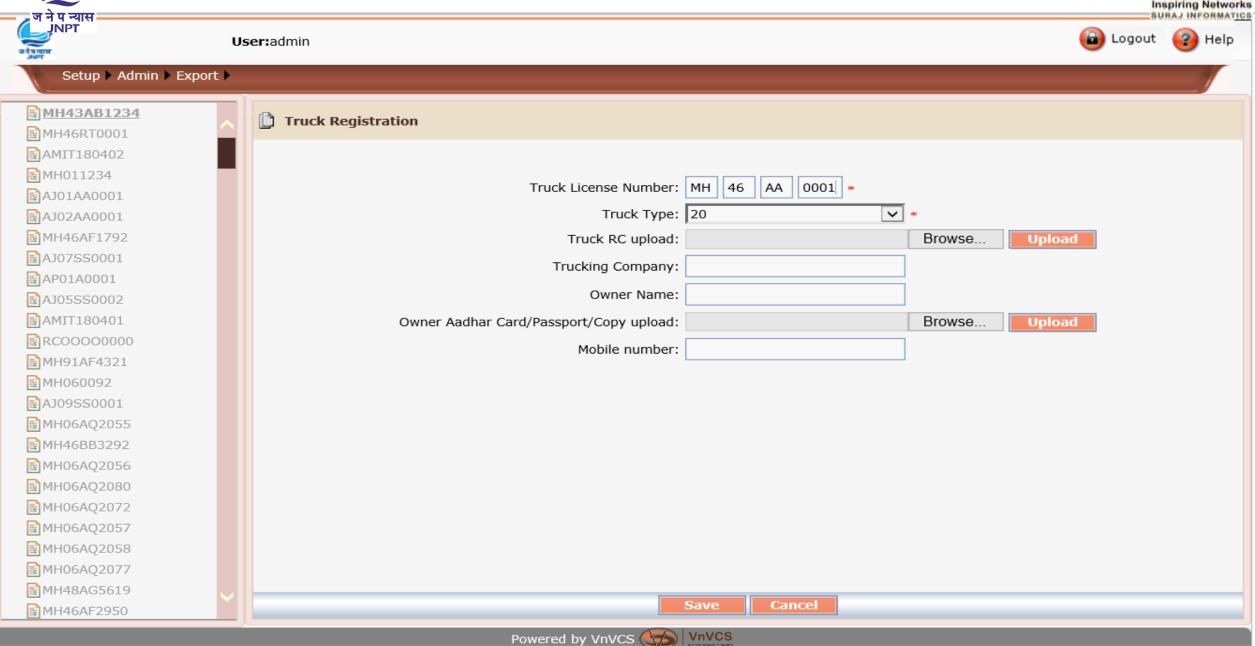






# **Truck Registration**







#### **Truck Registration**

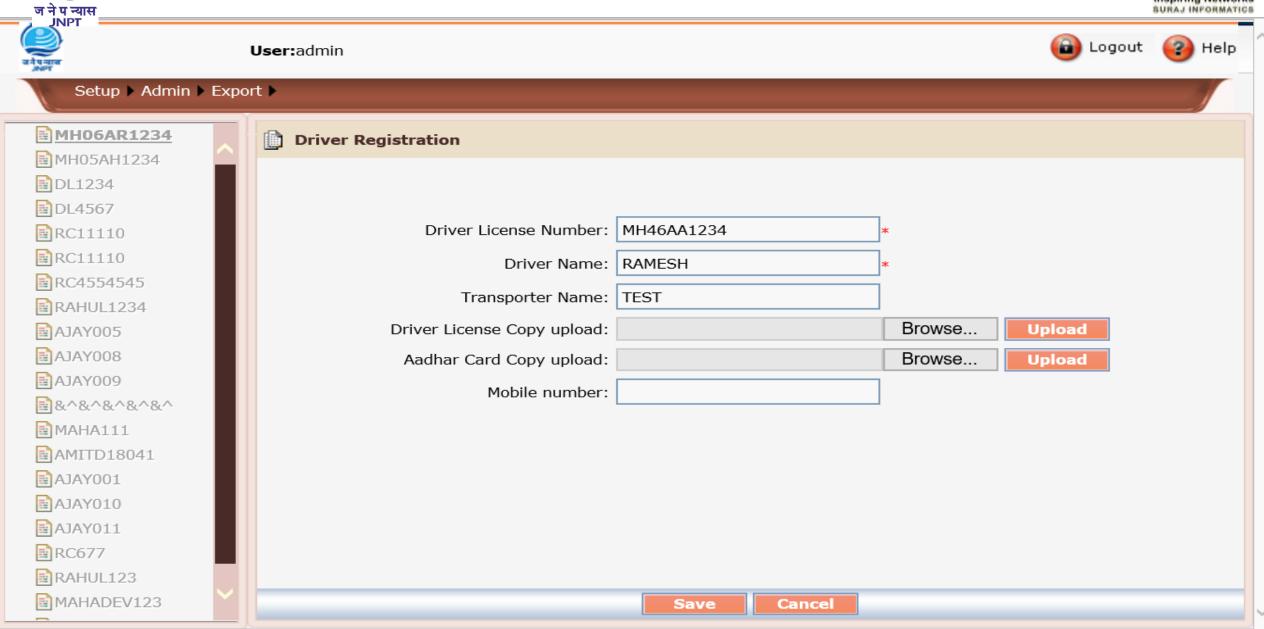


- Truck License Number is Mandatory
- Truck Type is Mandatory (20,40,45)
- Truck RC upload and owner ID allowed to upload only PDF file upto 2 MB.
- Truck Registration is mandatory for Truck Booking generation



## **Driver Registration**







## **Driver Registration**



- Driver License Number is Mandatory
- Driver Name is Mandatory
- Driver License Copy upload allowed to upload only .jpg file size up to 2 MB.
- Driver Aadhar Card upload allowed to upload only pdf file size up to 2 MB.
- Driver Registration is mandatory for Truck booking generation.

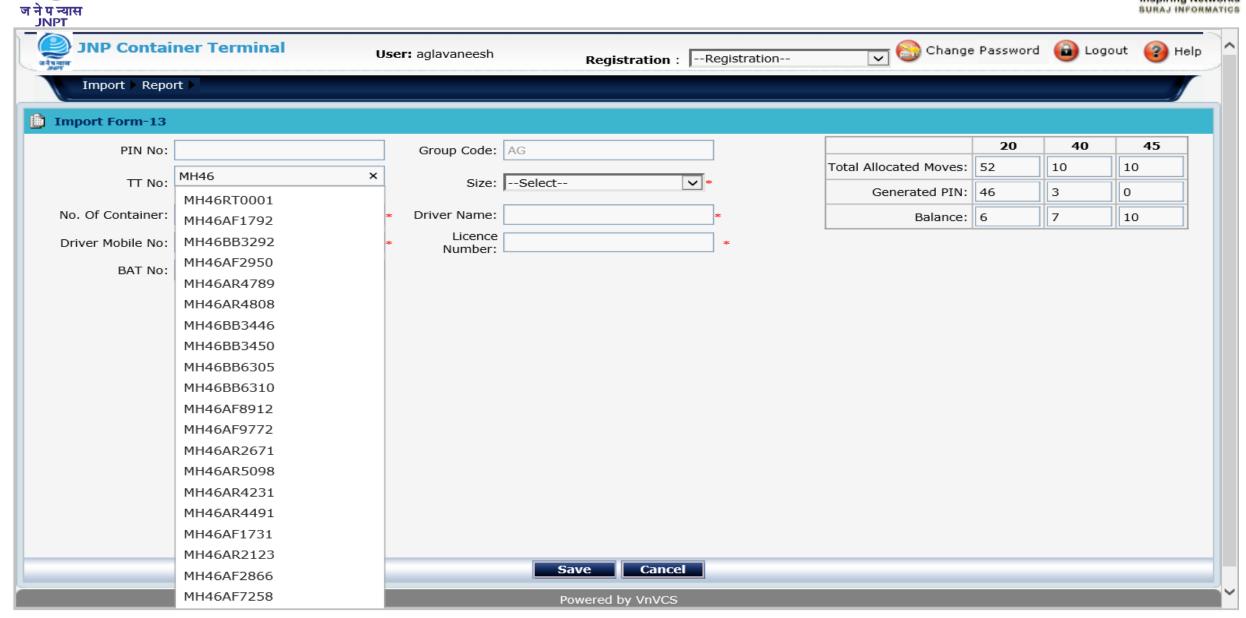




ज ने प न्यास JNPT Logout JNP Container Terminal User: smm1tusr Registration : -- Registration --Portal ₫ G0780 Release Form-13 ■ G0782 VIA No: G2472 Container No: AHBU0000001 Form13 Allocated: 100 **■** G0810 Used: 36 Vessel Name: PL GERMANY Booking No: AHBU ■ G0815 ₫ G0864 Issued To: AHBU Balance: 64 File Upload: Browse... Upload Form13 Details **G2472** ■ H2521 Vessel Information Vessel Name: PL GERMANY Service: CISC VIA No: G2472 **Customer Information** Line: SMM1-SIMA MARINE INDIA Shipper Name: CHA License No: CHA Name: **Container Information** Status: FULL ~ \* ISO Code: 2210 IMO No Custom Seal No: 123 Agent Seal: 123 00G: Dimensions UN No VGM Weight 22 Unit: MT 🗸 DO No: OGL No: Temperature in  $\overline{\mathsf{v}}$ POD: XIA-XINGANG Voltage: (Celcius): Shipping Bill No: 123 IGM / EGM No: Import / Export: Export ∨ Origin: CFS Stuffed ~ Remarks:  $\overline{\mathbf{v}}$ Special stow ----Select----Perishable : Truck Information Driver Licence Vehicle No: MH46 × Driver Name: No: Haulier: MH46RT0001 BAT Nbr: MH46AF1792 MH46BB3292 MH46AF2950 MH46AR4789 Save & Generate Form13 | Save & Add New | Save & Exit | Cancel MH46AR4808 MH46BB3446 MH46BB3450 Powered by VnVCS

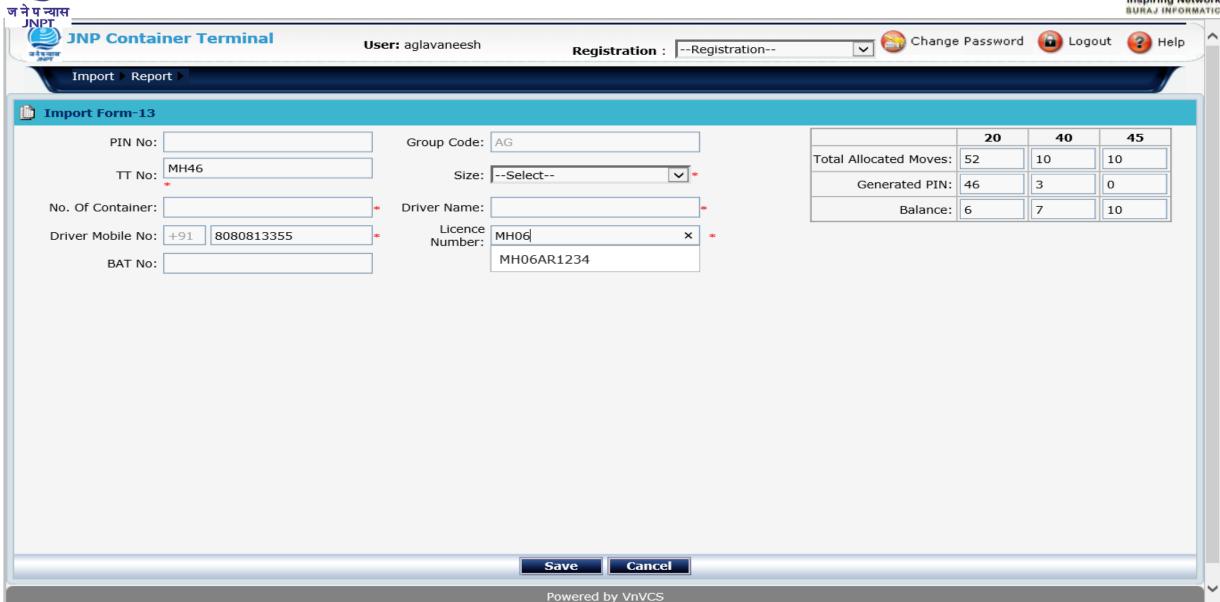


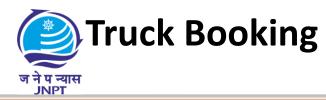














☑ User:admin			🙆 Logout (	3 Help
Setup > Admin > Export >				
Truck Booking				
Truck Licence No :	Bat No :	RF ID:		
Truck Company :	Driving License No :	* Driver :		
Export Container No 1 :	Booking No:	VIA No:		
Export Container No 2 :	Booking No:	VIA No:		
Import PIN No :	CFS CODE:			
	Add Search	Exit		



# Truck Booking



- Click on Add button ( ) than we can add the details for truck booking
- Enter truck license no and press tab( ) it will automatically fetch data which was filled at the time of truck registration than enter Driving License No than click on the same page anywhere automatically fetch data which was filled at time of Driver registration
- System will allow to assign max two 20 or one 40 or 45 container against each truck Booking.
- System will allow below dual cycle for Import and export movement against each Truck Booking.
  - 1.1X20 + 1PIN
  - 2.2X20 + 1PIN
  - 3.1X40 + 1PIN
  - 4.1X45 + 1PIN
- Truck will be block for movement until it complete visit and system will not allow to add new truck Booking for same Truck.



# Truck Booking IMPORT



Like truck Registration and driver registration there is one more link i.e. Truck booking

	<u> </u> Truc	k Booking			
Truck Licence No :	Bat No :		RF ID:		
Truck Company :	Driving License No :	*	Driver :		
Export Container No 1 :	Container Origin :	Select Origin 🗸 *	Booking No:	VIA No:	
Export Container No 2 :	Container Origin :	Select Origin ×	Booking No:	VIA No:	
Import PIN No :	CFS CODE:				
DPD Container No 1 :	DPD Container No 2 :				
	Add	earch Exit			

we need to filled the import pin no than click on Add button(

done.



# Truck Booking IMPORT DPD



Like truck Registration and driver registration there is one more link i.e. Truck booking Before transaction we have to do truck booking.

		Truck Booking	g			
Truck Licence No :		Bat No :		RF ID :		
Truck Company :	Driving	License No :	*	Driver :		
Export Container No 1 :	Con	tainer Origin :Selec	t Origin 🗸 *	Booking No:	VIA No:	
Export Container No 2 :	Con	tainer Origin :Selec	t Origin 🗸 *	Booking No:	VIA No:	
Import PIN No :		CFS CODE:				
DPD Container No 1 :	DPD Cor	ntainer No 2 :				
		Add Search	Exit			

We need to filled the import pin No, than need to fill DPD container No1 and container No2 depend on size of truck than click on Add button ( ) than Truck Booking done.



# Truck Booking Export



Like truck Registration and driver registration there is one more link i.e. Truck booking Before transaction we have to do truck booking.

	₫ Truc	ck Booking		
Truck Licence No :	Bat No :		RF ID:	
Truck Company :	Driving License No :	*	Driver :	
Export Container No 1 :	Container Origin :	Select Origin V*	Booking No:	VIA No:
Export Container No 2 :	Container Origin :	Select Origin V	Booking No:	VIA No:
Import PIN No :	CFS CODE:			
DPD Container No 1 :	DPD Container No 2 :			
	Add	Search Exit		

Need to fill Export container No1 and container 2 depend on size of truck and container origin(if it is factory stuff than select factory stuff in this field) as well and then Add button ( than Truck Booking done.



# Truck Booking Dual Cycle



Like truck Registration and driver registration there is one more link i.e. Truck booking Before transaction we have to do truck booking.

	<u> </u> Truc	ck Booking			
Truck Licence No :	Bat No :		RF ID:		
Truck Company :	Driving License No :	*	Driver :		
Export Container No 1 :	Container Origin :	Select Origin 🗸	Booking No:	\ \	/IA No:
Export Container No 2 :	Container Origin :	Select Origin V	Booking No:	V	/IA No:
Import PIN No :	CFS CODE:				
DPD Container No 1 :	DPD Container No 2 :				
	Add	Search Exit			

Need to fill Import Pin and Export container No1 and container 2 depend on size of truck and container origin as well and then Add button ( \_\_\_\_\_\_\_) than Truck Booking done.

# EXPORT PROCEDURE

- 1.IN Survey: Booked Trucks carrying CFS/ Factory stuffed or Empty export container to approach JNPT has to come IN SURVEY area(located around 1.5 to 2 km prior to north gate) after taking LEO from customs Survey will be done after survey done One Bat will be issued to truck
- 2.IN Gate: Trucks carrying export container(s) arrive at IN Gate AGS identifies the RFID BAT given to truck driver and allow it to proceed further under camera zone. The live details of truck captured by 5 cameras installed(in each lane) and live view of these camera along with container details are displayed to CISF for their verification. With approval of CISF in AGS the boom barrier will open automatically and the truck proceed further towards printer Kiosk, where in Drop Off ticket slip will be delivered to Driver. This slip will indicate container details along with Yard location for dropping said export container. The truck proceed to Designated Yard location.
- Out survey: After Dropping the export container in designated yard as per prescribed in Drop Off
  The empty truck moves to Out survey Point(Porta cabin Provided near TT Maintenance office)
  wherein, surveyor carried out checks of the truck/driver detail and then is allowed to move out
  towards Out Gate.
- Out Gate: At Out gate information from BAT will be fetched by AGS. CISF carries necessary checks for the trucks with respect to AGS. Once its approval is done BAT is collected by CISF and Boom barrier opens up to allow the truck to proceed to printer Kiosk. The truck driver to collect Out gate passes(EIR) and leaves the Gate.



# In Survey



Now, Enter the Truck license no you will get details of truck and driver Enter BAT no and press enter

Truck/Container Search	Truck Visit Details					BAT Allocation									BAT Allocation						
Truck No : MH43Y8349	Container No :						E	BAT NO	:			0022				BAT N	o :		0001		
Container No :	NO :	0		0						N	EXT			<b>→</b>		_	_	NEXT	_	_	÷
Q SEARCH	Pin No :	622324	Group Co	ode : C	F																
	Truck No :	MH43Y8349	9																		
	Driver License No :	PB0620150	155813																		
		N	IEXT		<b>→</b>											Alert Truck Pro	oceed to In	Gate			
<b>U</b>														Ŷ	п						
$q^{1} w^{2} e^{3} r^{4} t^{5} y^{6} u^{7} i^{8} o^{9} p^{0}$						1	2	3	4	5	6 7	8	9	0	۰						
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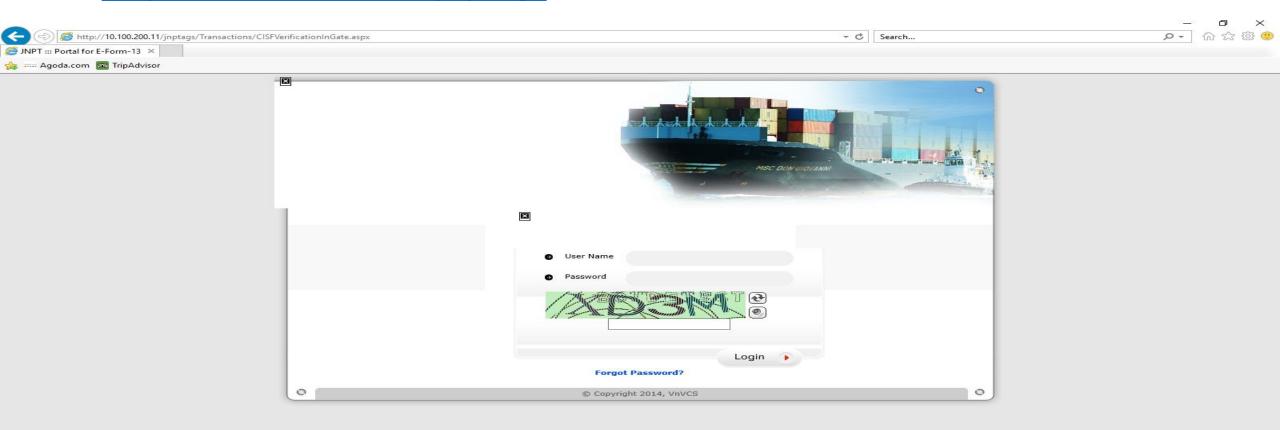


#### **IN Gate Transaction**



Browse the below link to do transcation on Gate.

http://10.100.200.11\jnptags login with credential















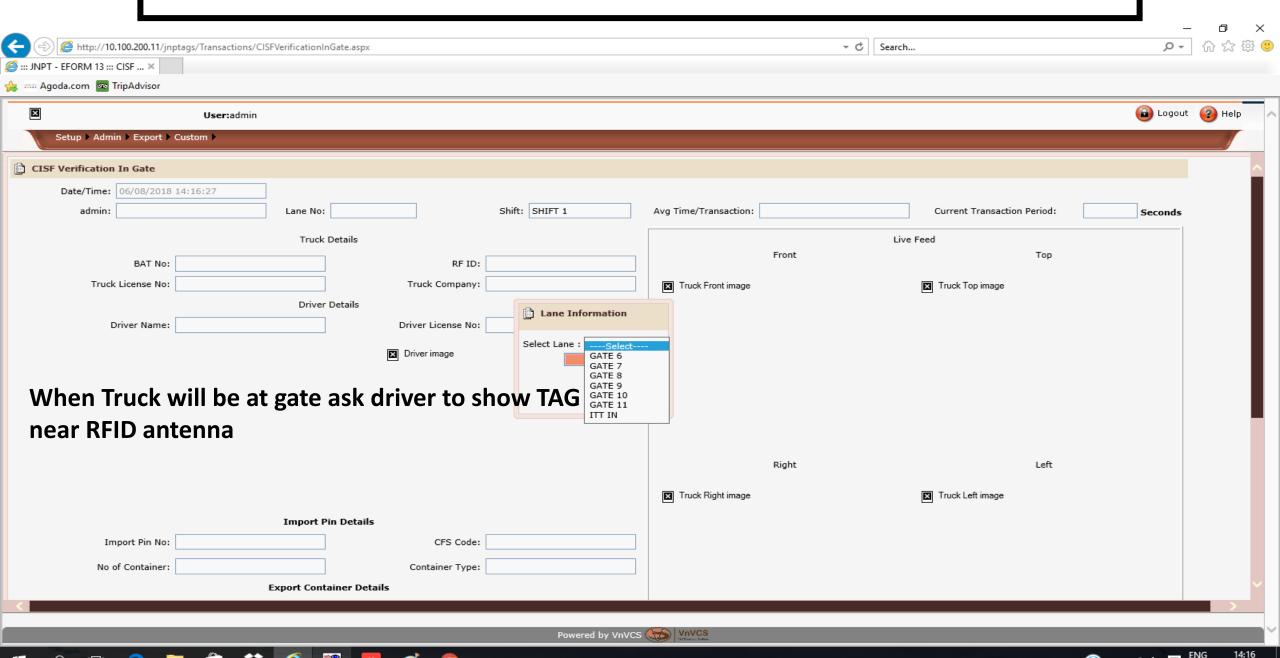








#### **IN Gate Transaction**





# Out Survey



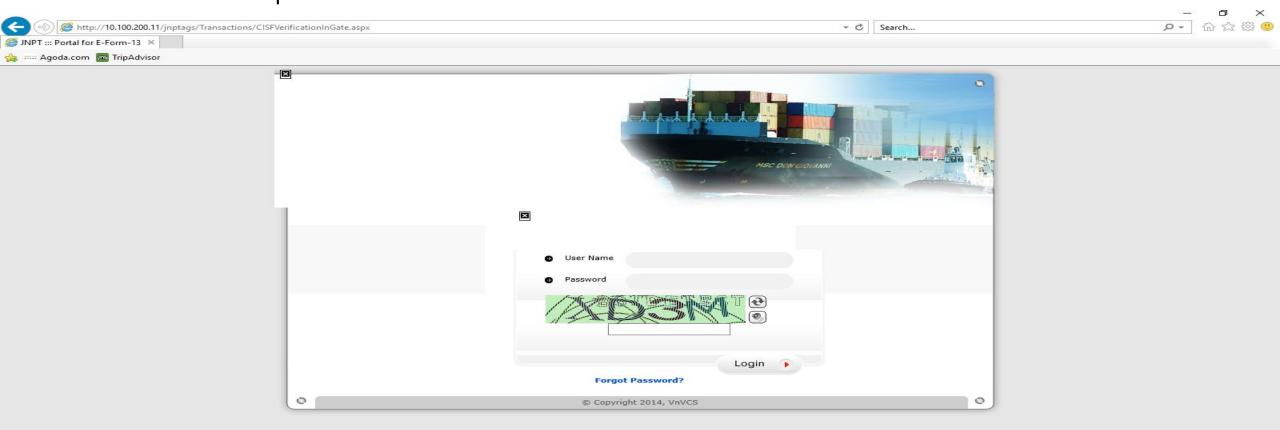
Enter assigned BAT no in application at Out Survey. Verify details and capture images wherever required

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BAT Details		Truck Visit De	tails	Seal NI	BR Verification		Reefer Te	emp Capturing	
BAT NO :	Container	TEST1701802	TEST1701803	Т	EST1701801	_	TES	ST1701805	
NEXT →	No :	<u></u>			5555		Observe Temperature :		
	Pin No :	Group	Code :		O O		UOM :	FAR	
	Truck No :	TT17TT0002			555			NEXT	<b>→</b>
	Driver License								
	No :	NEXT	<b>→</b>	REJECT	NEXT	<b>→</b>	Alert		
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Out Gate Transaction is similar to In Gate Transaction Follow same steps for Out Gate Transaction.















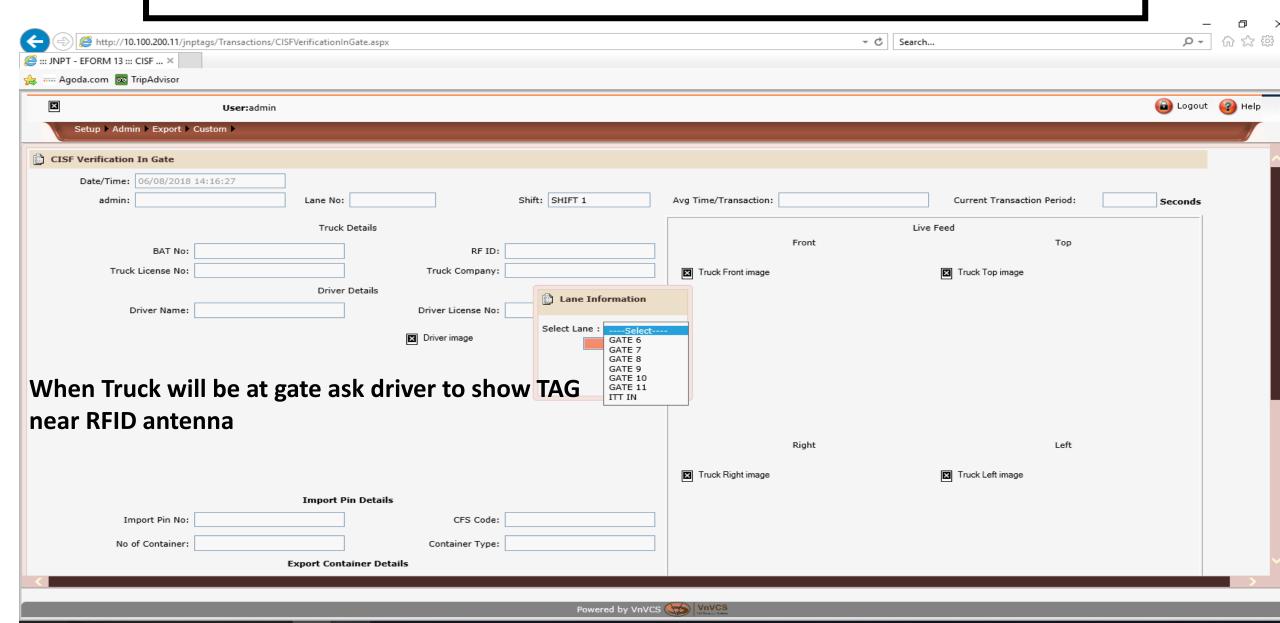


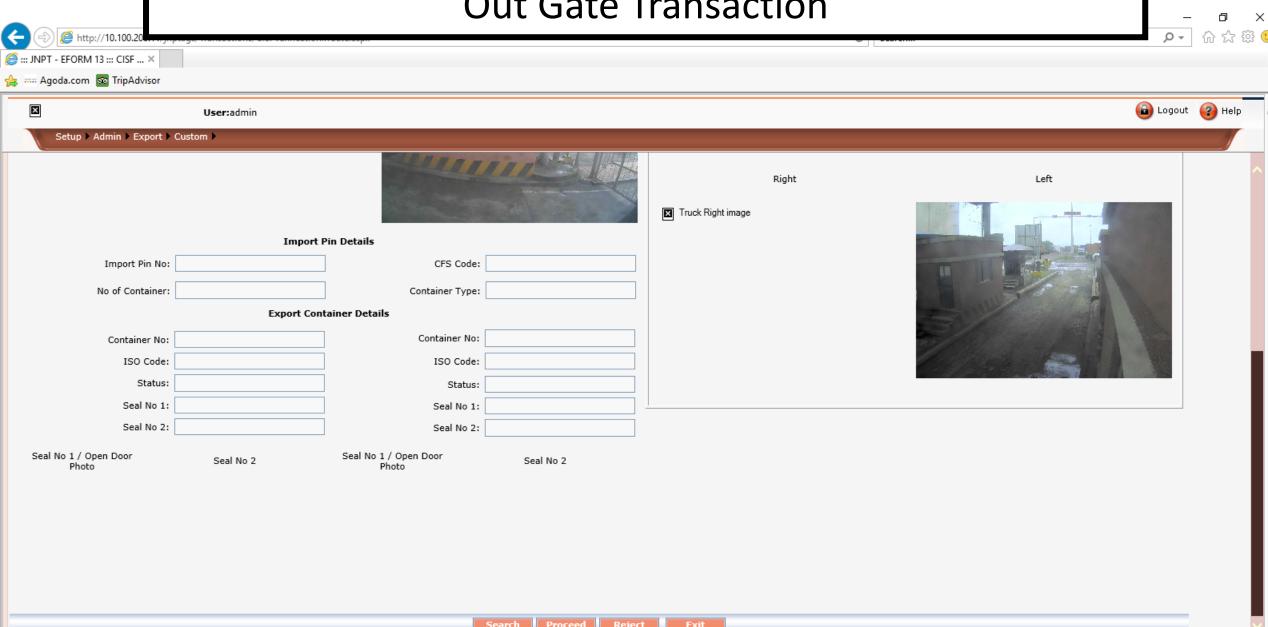












# IMPORT PROCEDURE

- 1.IN Survey: Register Empty Trucks to approach JNPCT In-survey area. Ay In-survey point the surveyor
  equipped with Tablet enters truck no to search and the truck booking details will automatically pop in the
  Tablet display. After survey BAT will be issued at the In-survey Area. Truck move towards JNPCT Gates.
- 2.IN-Gate: As soon as the empty truck arrive at IN-Gate. The AGS identifies the RFID BAT given to truck driver and allow it to proceed further under camera zone. The live details of truck captured by 5 cameras installed(in each lane) and live view of these camera are displayed to CISF for their verification. With approval of CISF in AGS the boom barrier will open automatically and the truck proceed further towards printer Kiosk, where in Pick Up ticket slip will be delivered to Driver. This slip will indicate container details along with Yard location for Picking said Import container.(s) The truck proceed to Designated Yard location.
- 3.Out survey: After Picking the Import container from designated yard as per prescribed in Pick-Up Ticket
  The truck moves to Out survey Point(Porta cabin Provided near TT Maintenance office) except DPD Trailers.
  The surveyor captures images of import container and its seal nu. Incase of Empty container, image of
  empty container(inside) Is captured. All these information is uploaded and assign to that containers. For
  Direct Port Delivery Containers, the driver after loading container shall approach custom for approval in Eform-13 Portal and truck move towards Out survey Point and follow the procedure at Out-Survey Point. For
  CFS Bound container Custom Approval is not required. After Out-Survey Process Truck Proceed to Out Gate
- 4. Out Gate: At Out gate information from BAT will be fetched by AGS. CISF carries necessary checks for the trucks with respect to AGS. Once its approval is done BAT is collected by CISF and Boom barrier opens up to allow the truck to proceed to printer Kiosk. The truck driver to collect Out gate passes(EIR) and leaves the Gate.



# In Survey



Now, Enter the Truck license no you will get details of truck and driver Enter BAT no and press enter

Truck/Container Search	Truck Visit Details					BAT Allocation									BAT Allocation						
Truck No : MH43Y8349	Container No :						E	BAT NO	:			0022				BAT N	o :		0001		
Container No :	NO :	0		0						N	EXT			<b>→</b>		_	_	NEXT	_	_	÷
Q SEARCH	Pin No :	622324	Group Co	ode : C	F																
	Truck No :	MH43Y8349	9																		
	Driver License No :	PB0620150	155813																		
		N	IEXT		<b>→</b>											Alert Truck Pro	oceed to In	Gate			
<b>U</b>														Ŷ	п						
$q^{1} w^{2} e^{3} r^{4} t^{5} y^{6} u^{7} i^{8} o^{9} p^{0}$						1	2	3	4	5	6 7	8	9	0	۰						
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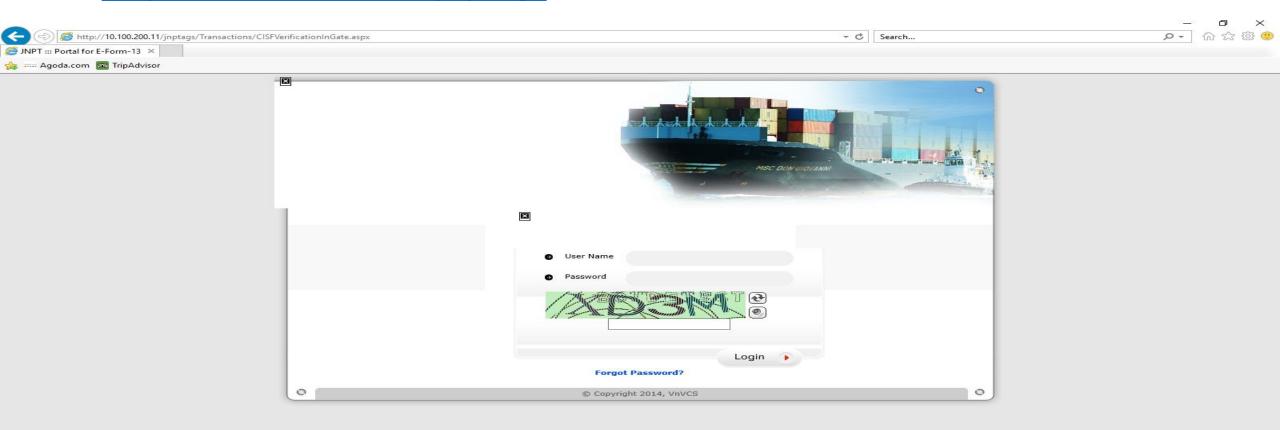


#### **IN Gate Transaction**



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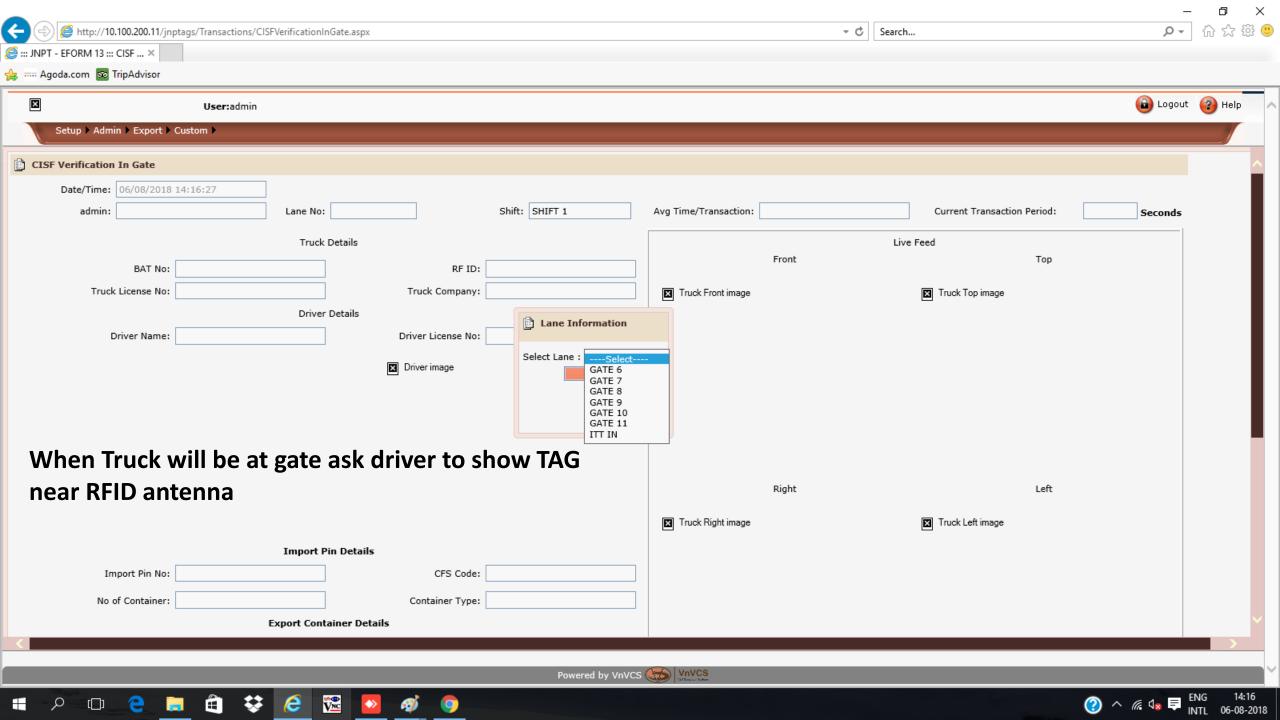














# Out Survey



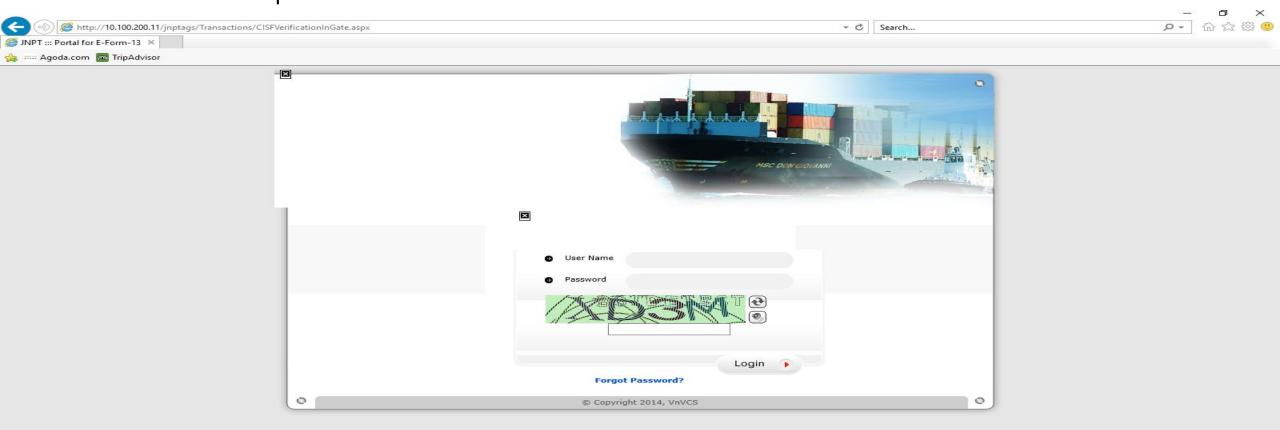
Enter assigned BAT no in application at Out Survey. Verify details and capture images wherever required

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BAT Details		Truck Visit De	tails	Seal NI	BR Verification		Reefer Te	emp Capturing	
BAT NO :	Container	TEST1701802	TEST1701803	Т	EST1701801	_	TES	ST1701805	
NEXT →	No :	<u></u>			5555		Observe Temperature :		
	Pin No :	Group	Code :		O O		UOM :	FAR	
	Truck No :	TT17TT0002			555			NEXT	<b>→</b>
	Driver License								
	No :	NEXT	<b>→</b>	REJECT	NEXT	<b>→</b>	Alert		
		INEXT	7			_	Please enter observe Te	emprature field.	
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Out Gate Transaction is similar to In Gate Transaction Follow same steps for Out Gate Transaction.















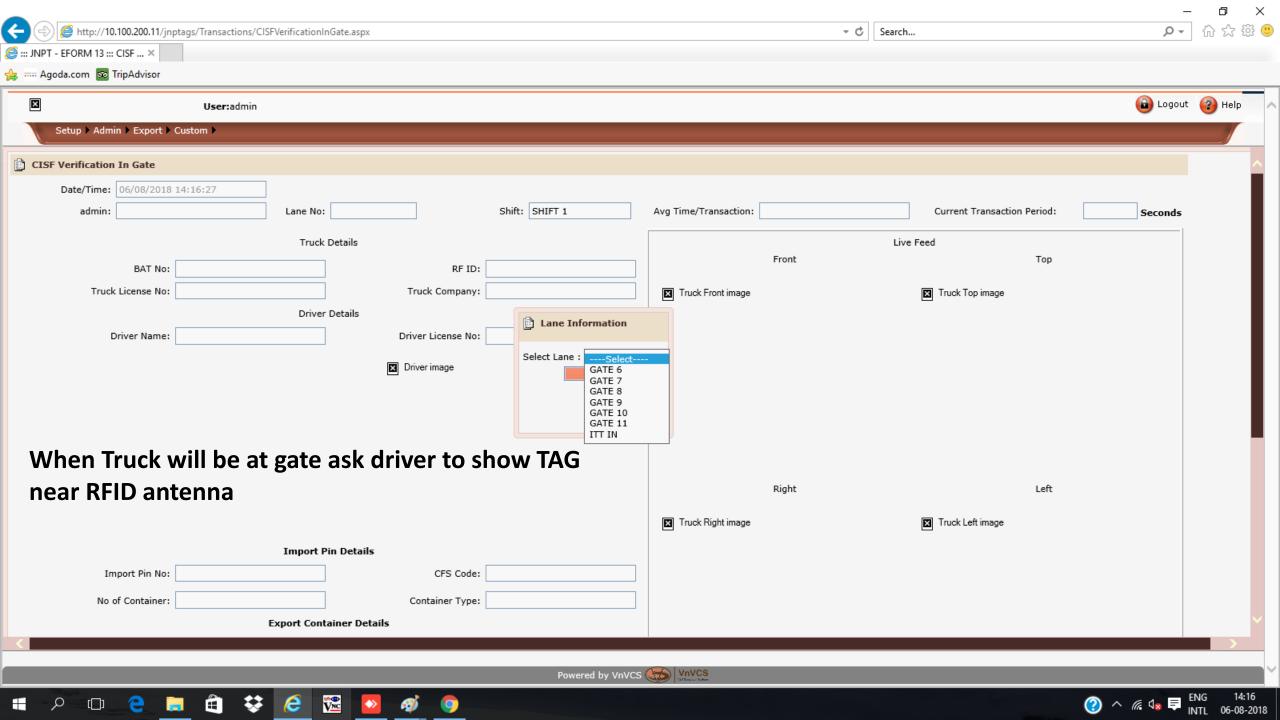


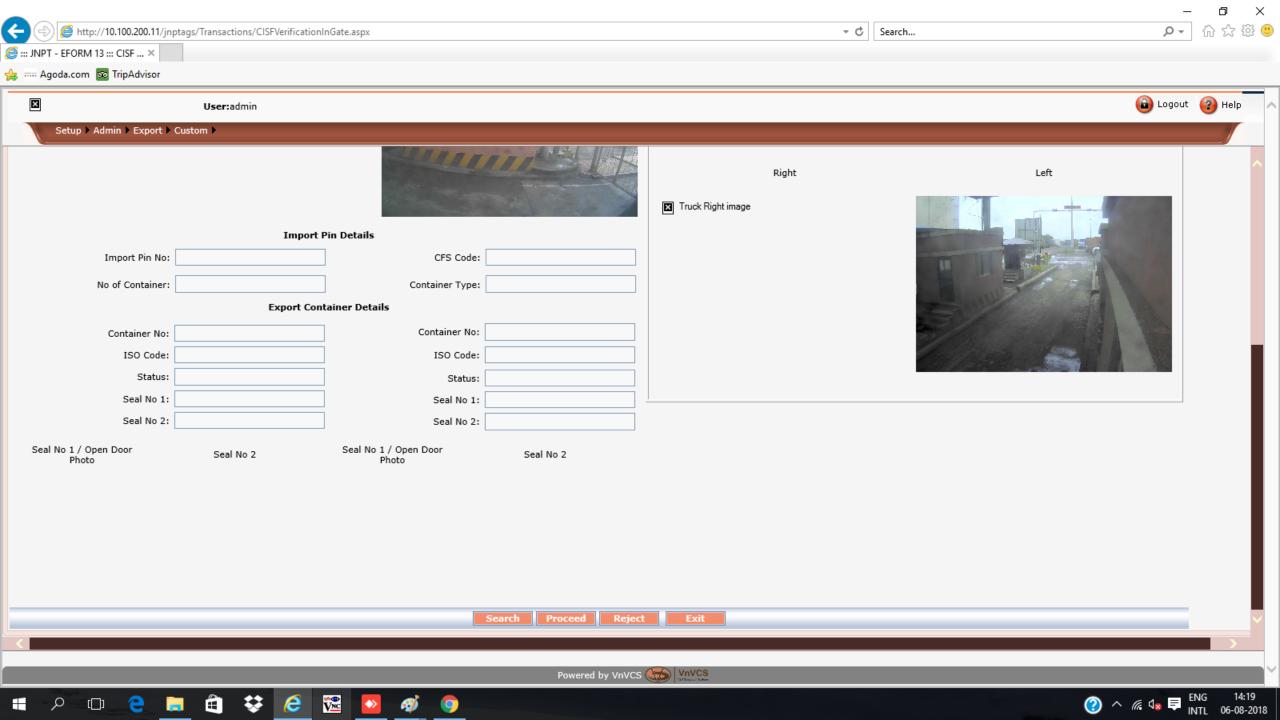












# INTER TERMINAL TRUCK MOVEMENT PROCEDURE

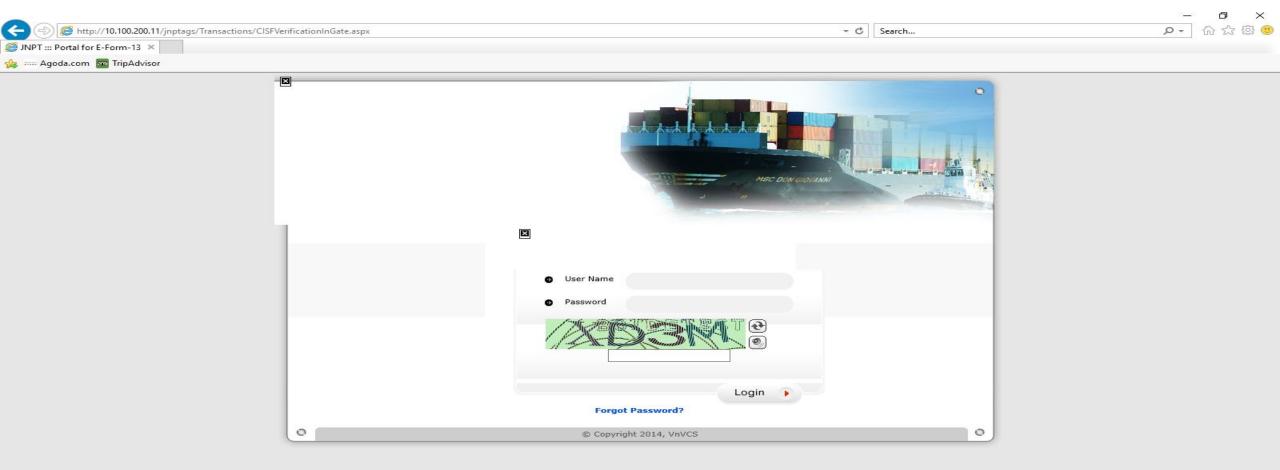
- Export ITT for JNPT and Import for GTI/NISCT/NSIGT :
- 1.IN Survey: Follow the step 1, of Export procedure
- 2. IN-Gate: Follow the step 2, of Export procedure
- 3. Out-Survey: Truck Trailer has to come at Porta cabin Installed at South End of POC Import Yard for complication of transaction In JNPT Automated Gate System(AGS). The surveyor carried out necessary check of the truck with respect to AGS.
- 4. OUT-Gate: Once approval done. Truck Driver to collect Out pass(EIR) which will be generated at mentioned Porta cabin Installed at South End of POC Import Yard. After collected BAT from Driver, He can leave for GTI/NISCT/NSIGT
- Import ITT for JNPT and Export for GTI/NISCT/NSIGT:
- 1. IN-Survey: The truck after Offloading the container at GTI/NISCT/NSIGT wishes to take Import container from JNPT will towards the Porta cabin Installed at South End of POC Import Yard .the truck shall be registered in AGS and shall come along with truck booking against the PIN . RFID BAT will be assigned to That Truck. The Surveyor equipped with TABLET/Desktop computer enters truck no and the relevant details automatically pop up on the TABLET Display
- 2. Gate-IN: after the approval from Surveyor, Pick-Up slip will be deliver to Driver, this Slip indicates the container detail along with Yard Position for picking the said Import Container
- 3. Out-Survey: follow the step 3 of Import procedure.
- 4. Out-Gate: Follow the step 4 of Import Procedure.



## **Inter Terminal Transaction**



#### Inter Terminal Transaction is similar to In & Out Gate Transaction







# Thank You

