# Advances in Digital Procurement on Indian Railways

**Rajesh Abrol** Director (System) Centre for Railway Information Systems

### About CRIS (Centre for Railway Information Systems)

A Society formed in 1986 under Ministry of Railways, Registered under Societies Act

Functions on No Profit No Loss basis

IT arm of Indian Railways

1

### **Critical IT Applications**

- Passenger Reservation System (PRS), E-Ticketing System (NGeT), Unreserved Ticketing System (UTS), Freight Operations Information System (FOIS), Parcel Management System (PMS)
- Control Office Applications (COA), Integrated Coach Management System (ICMS), Crew Management System (CMS), Real Time Information System (RTIS)
- Loco Management System (SLAM), Coach Maintenance Module (CMM), Freight Maintenance Module (FMM), Track Maintenance System (TMS), Workshop Information Management System (WISE), Human Resources Management System (HRMS)
- Indian Railways E-Procurement System (IREPS), Integrated Materials Management System (IMMS)
- Works Contract Management System, Accounting Information Management System (AIMS)

### Indian Railways E-Procurement System ... since 2008

www.ireps.gov.in













कोंकण रेलवे कॉर्पोरेशन लिमिटेड (भारत सरकार का उपक्रम) Konkan Railway Corporation Limited (A Govt. Of India Undertaking)







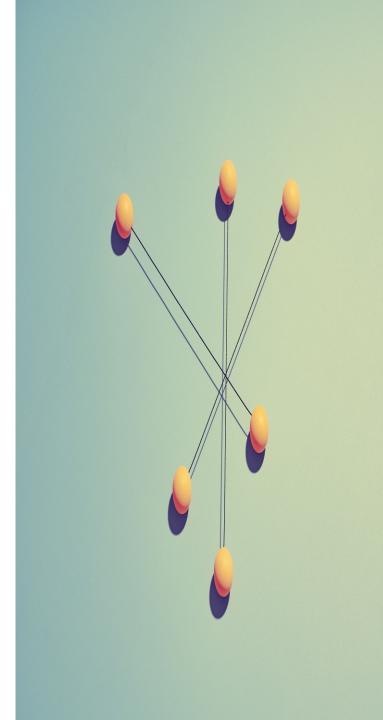


### Progress Over the Years



### **Guiding Principles**

- Transparency
- Fair play
- Accountability
- Competition
- Efficiency
- Productivity
- Ease of Doing Business
- Reduction in Procurement Cycle Time
- Integrity of the System
- Prevention of Collusion / Corrupt Practices



### Computerization Vs. Digital Transformation



#### Business Process Reengineering

Compute	rizat	tion	
without	Bu	sine	ess
Process		R	le-
engineeri	ng	is	а
farce			



Anything & everything that can be done by the system, shouldn't be done by people. Automation is core requirement of Digital Transformation



Data shall be generated through process flows, not data entry, to the extent possible

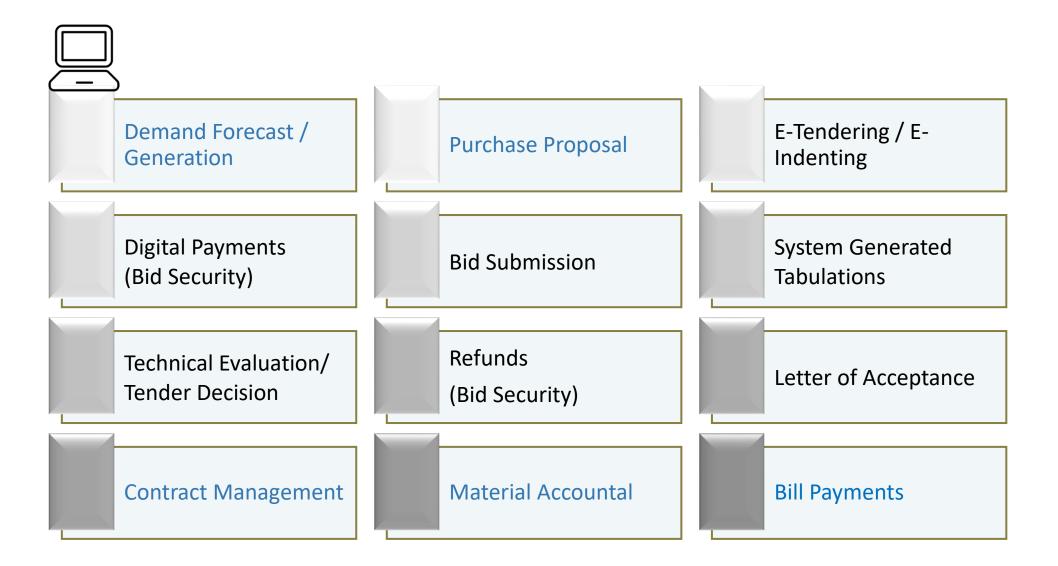


Data Duplication

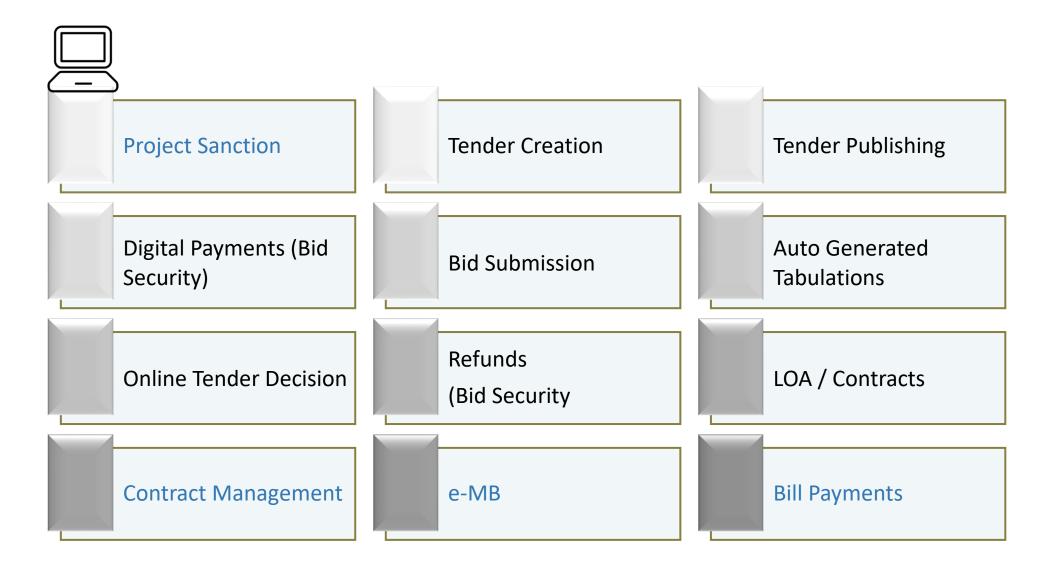
Data already available in the system shall never be reentered



### **End to End Digitization – Supply Contracts**



### **End to End Digitization – Works Contracts**









# E-Auction-Leasing

- Assets (Creation / Management)
- Auction Lots
- Auction Catalogues
  - Standard Conditions / Special Conditions
  - Reserve Price
- Bidder Declarations
  - Turnover Declaration by Bidders
  - Lot Specific Declaration by Bidders
- E- Forward Auction
  - Auto blocking of EMD through Lien Marking
  - Auto Extensions of closing time (upto 10)
- Auto Decision

# E-Auction-Leasing

- Auto Generation of Bid Sheet
  - Digital Signing by Auction Conducting Officer (ACO)
- Auto Generation of Contract
  - Digital Signing by ACO / Bidder
- Auto Generation of Challans for Payment
- Online Payments
- System Monitoring
  - Idle Assets
  - Payment Failures

Contract Placement Time Reduced - from 4 – 6 months to 15 days



#### Indian Railways E-Procurement System E-Auction Leasing

RAMESH SINGH (Sr.DCM/EPS/1), DELHI DIVISION-COMMERCIAL, NORTHERN RLY (IREPS ID- 401)





Quick Links	DashBoard My Activities Assets Auctions Contracts Payments Admin My Profile
<ul> <li>Integrity Pledge</li> </ul>	
<ul> <li>Learning Center</li> </ul>	My Notifications View All Notifications (Unread : 99)
HelpDesk	Dated         Module / Subject         Reference ID         Message         Action
	06/04/2022 LA/Lot Entry Approval 23346 You have received Lot : 13484-13483-VP-1-DLI-MLDT-22-1 for approval
Search Users	06/04/2022 LA/Lot Entry Approval 23345 You have received Lot: 13414-13413-VP-2-DLI-MLDT-22-1 for approval.
<ul> <li>Search Account</li> </ul>	06/04/2022 LA/Asset Entry Approval 100711 You have received asset : 13414-13413-VP-2-DLI-MLDT for approval.
	My Pending Approvals (Open : 0)
	Recd. on Sent by Subject Sent For Action
	My Pending Tasks (Open : 0)
	Created By Created On Task Description Action

#### Asset Management

Add Asset

Edit Asset Details View Asset Details Vi

ails View Asset History

#### Registering Unit

Organization	Indian Railway	Zone	Northern Railway
Unit Type	Division	Department	Commercial
Sub Unit Type	Divn. HQ	Admin Unit	Delhi Division
Sub Unit Department	Commercial		

#### Asset Selection

Category	Select 🗸	Sub Category	Select	~
Dealing Section	Select 🗸			
Asset Location				
State of Asset (For GST)	Select 🗸			
Asset Description				<i>I</i> ;
Special Instruction (For Asset)				1.
	Proceed	Reset		

Create New Lot View Vacant Assets			
Zone	undefined	Unit	EPS DIVN-COMMERCIAL
Asset Selection			
Asset Category	Parcel 🗸	Asset Sub Category	Parcel-SLR 🗸
Asset Id	1200B-SLR-F1-EPSA-EPSB	View Asset Details	
	(Please Type minimum two letters to search.)	View Asset Leasing Details	
Originating/Destination station	EPSA / EPSB / Train category > SHT / Asset capaci	ty>4 Metric Tonne	
Train Valid From	08/05/2015	Train Valid To	31/12/1999
Train Running Days	MO TU WE TH FR SA SU	Green color indicates running days.	
Select lot weekdays	MO     TU     WE     TH     FR     SA     SU       I     I     I     I     I     I     I		
Lot No.	1200B-SLR-F1-EPSA-EPSB-22-1	Dealing Section	PARCEL
Contract duration			
CP Start Date	Contract Duration	CP End Date	Days / Trips
	Select 🗸		Check Availability
Lot Description	Parcel Space in SLR Coach (Single Compartment)		
Rate Unit	Per Trip Licensing Fee 🗸	✓ Max. Leave days allowed*	
Lot location			
Associate Accounts Unit	Select ¥	Allocation	
Send For Approval	Select		<b>~</b>
	Create Lot	Reset Home	

# DashBoard My Activities Assets Auctions Contracts Payments Admin My Profile Urgent Action Required 1 bids are pending for decision. Click Here for decision on pending bids 7 bids sheet are pending for Signing. Click Here for signing the pending bids Sheet 7 Contract are pending for Signing. Click Here for signing the pending Contract

#### Lots

- Manage Lots
- View / Edit Free Lots (54)
- Manage Lot Modifications

#### Auction Schedule/ Catalogue

- Add / Edit Auction Schedule
- Create Auction Catalogue

#### Auctions

- Live Auctions (2)
- Closed Auctions (Actions Pending) (1)

#### Decision

- Decide Bids
- Awarded Lots (0 Today)
- Rejected Lots (0 Today )

- View Idle Assets (55)
- View Lot History

- View Auction Schedule
- Unpublished Auction Catalogues (0)
- Scheduled Auctions (Yet to start) (12)
- Closed Auctions (No Action Pending)
- Pending Bid Sheets (7)
- Published Bid Sheets

#### Auction Catalogue

Auction Catalogue Header

Admin Unit/Zone	EPS DIVN-COMMERCIAL/IREPS- TESTING	Auctioning Authority	Sr.DCM/I
Auction Catalogue No.	Cat-1104-1	Auction Type	Close Ended
Auction Start (All Lots)	26-04-22 10:00:00	Initial Cooling Off Period	30 Minutes
Auction Close Date/Time	26-04-22 10:40:00	Successive Lots Closing Interval	10 Minutes
Auto Extensions Zone	120 Seconds	Maximum Auto Extensions	10 Times
Auto Extension Duration	120 Seconds	Decision Mode - Auto, RP Displayed -	No, Permit bid below RP - Yes
Standard Conditions Of Contract			View Corrigendum

#### Lot Details

Category/ Sub Category Parking

Filter Lots

~

Seq No	Lot No. / Category	Description	Rate Unit	Trips/ Days	Close Date/Time	Min. Incr(%)	Turnover Required	Lot Status	Actions	Bid
AA/1	PARKING-EPS-EPSA-FW- 1-22-2 (Parking - Four Wheeler)	Parking Lot for Four Wheele rs at locatio馬	Annual Licensing Fee	1096	26-04-22 10:30:00	0.2	-	RP Pending	C	-
AB/1	PARKING-EPS-EPSA-MX- 3-22-2 (Parking - Mixed)	Parking Lot for Two Wheele rs and Four Wh围	Full Contract value	60	26-04-22 10:40:00	0.2	-	RP Pending	L	-

Save / Print Catalogue

Reserve Price Register

Home

#### **Reserve Price Register**

#### Auction Catalogue Header

Admin Unit/Zone	EPS DIVN-COMMERCIAL/IREPS- TESTING	Auctioning Authority	Sr.DCM/I
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Auto Extensions Zone	120 Seconds	Maximum Auto Extensions	10 Times
Auto Extension Duration	120 Seconds	Decision Mode - Auto, RP Displayed -	No, Permit bid below RP - Yes
Standard Conditions Of Contract			View Corrigendum

#### Lot Details

Seq No	Lot No / Description	Trips/ Days	Past Rates	Reserve Price (Rs.)*	Rate Unit	Expected Earnings	Remarks for RP
Parkin	g - Four Wheeler						
AA/1	PARKING-EPS-EPSA-FW-1-22-2 Parking Lot for Four Wheelers at location EPS ITPI in (Division EPS)		View		Annual Licensing Fee	Select  V Turnover Required : -	
Parkin	g - Mixed						
AB/1	<b>PARKING-EPS-EPSA-MX-3-22-2</b> Parking Lot for Two Wheelers and Four Wheelers at location New Delhi in (Division EPS)	60	View		Full Contract value	Select  V Turnover Required : -	
	Encrypt, Sign & S	Submit	De	crypt/Edit RP	Home	•	·

		Contract Agre	ement		
Contract No.			Dated	11/04/2022	
Contract Start Date	01/07/2022		Contract End Date	15/07/2023	
Contract Duration	380 Days		Days / Trips	380	
Mode of allotment: e-Auction (Auction date-	08/04/2022 , Catalogue	No- <u>TEST080422</u> , Lot N	o- <u>12445-11003-VP-2-EPSA-</u>	JHP-22-2 )	View Bid Sheet
Lessor			Lessee		
EPS-DIVN-COMMERCIAL IREPS-TESTING CRIS, Delhi, Delhi - 110002			TEST BIDDER 2-GANDHI NAG. Pusa Road Jai street, Gandhi Nagar - 204 Contact Details: 9999999999		
Lot Description:	Parcel Space in Parcel	/an			
Asset Details					
Asset Code	12445-11003-VP-2-El	PSA-UHP			
Train Number	12445		Train Category	SUF	
From	EPSA		То	UHP	
VP Serial Number	2		Carrying Capacity		
Allotted Weekdays	SUN MON TUE	WED THU FRI SAT	No. of Trips	380	
Loading Stations					
Rate & Other Commercial Details					
Rate (Rs.)	50000		Per Round Trip ( Two Way )		
GST (%)	12		GST Cess (%)	0	
Contract Value	Rs. 21280000 (Rupees	Two Crore Twelve Lakh Eigh	ty Thousand)		
Security Money					
Gross SM Amount (Rs.)	950000		(5% of Annual Contract Value)		
Instrument Type Amount	Details				
EMD Adjusted 950000	(IREPS Ref ID- 10999, Ba	ink Transaction ID- LDumm	y, Transaction Date- 08/04/2022	)	
Payment of License fee and other charges by cont	tractor			0	View Details
Regular Payment Frequency	1	1 day(s) before Loading	g Date		
Regular Payment Start Date	30/06/2022	First Regular Payment I	Due Date		
Grace Period Allowed (days)	7	For regular payments.			
Grace Period Penalty (%age Per day of due amount	<b>b)</b> 0.5%	For regular payments.			
Standard Conditions of Contract					
1. Standard Conditions Of Contract V	ersion 1.0				
Signatures					
Signed by: Signed on:				Signed by: Signed on:	
Auctioning Authority ()				TEST BIDDER 2-GANDHI NA	GAR
	1	Sign & Subm	it Home		

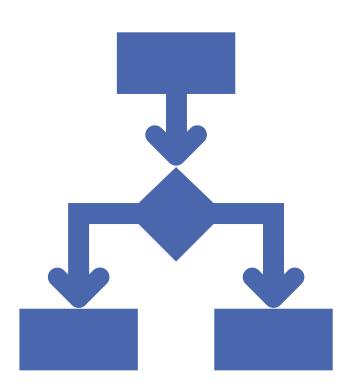
<b>O</b> IREP	Indian Railways E-Procure E-Auction Leasing	ment System	
۲	TEST IIIB 2014 , TEST BIDDER 1DELHI. (IREPS ID- 79464)	12-Apr-2022 10:17:31 IST	ლ <b>⇔</b>
Quick Links			Notifications
<ul> <li>Integrity Pledge/सत्यनिष्ठाशपथ</li> <li>Learning Center</li> <li>Helpdesk</li> <li>My Turnover Details</li> </ul>	DashBoard     My Activities     Auctions     Contracts     Payments     My Profile       My Notifications     Dated     Module / Subject     Reference ID     Message	View All Notifications Action	Procurement from appd sources : In terms of Railway Board¿s instructions no.2021/RS (G)/779/7 dated 30.03.2022, from
Important Links	My Pending Tasks	View All Pending Tasks	01.04.2022 onwards directory of approved vendors of RDSO, CLW,
<ul><li>CCA</li><li>Acrobat Reader</li></ul>	Assigned By Assigned on Task Description	Reference ID Action	BLW, RCF, ICF, MCF, and CORE as available on UVAM only shall be
			considered valid directories for all purposes by all stakeholders. Vendor directories being maintained in other forms (manual or online). if anv.

VeriSign Developed by CRIS Mem01

tion B	idding Pag	е				Sunil Kumar, TEST BIDL	DER 2-GANDHI	NAGAR	
Sel	ect Catalog	ue	C2504 (IRE	PS TESTING/EPS-	DIVN-COMMER	CIAL) 🗸			
<< 0	More Lots	<b>⊲</b> 1	۵						0 More Lots >>
H1 (	4 (AA	-2022 10:30:00 33600.00	) Closing H1 (Val	12497-SLR-F1- 6 (AA/2) : 25-04-2022 10 .): Rs. 0.00 eft: 155:34:17	:40:00 C	ot No: 12445-11003-VP-2-EPS. UHP-22-3 (AB/1) losing: 25-04-2022 10:50:00 l1 (Val.): Rs. 0.00 ime Left: 155:44:17	A-		
_ots cl	osing in ne	xt 60 Secs:							
Auction Start Date/Time 18-04-2022 11:57:51		L	Last Dago Detroch		2 23:05:4 ce last up				
Lot No Total 1	oning Unit o. Trips / days escription				4 C	Contract Period 0		01-07-2025 to 25-07-2026 390 Days	
Auto E	Extensions	Used	0 (Max 1	0)	C	uration of each Auto Extn.	120 Secon	ds(s)	
	Lien Balanc ed Lien Ame	e ount (All Lots	Rs. 1000 Rs. 2141 Rs.1571	L0.00 (With curr		locked Lien Amount (Current Lien balance you can submit			e of
Quote	e for days		1	Mon 🗹 Tue 🗹	Wed 🗹 Thu 🔽	🛿 Fri 🗹 🛛 Sat 🗹 Sun 🗹	Select All	300	trips
Enter	your bid (I	Rs)			Per Trip Lice	ensing Fee		Submit F	
		alue (Entire alue Required		133867.20	Minir	num Bid Rate Required (for se			
Bid#	Bid-ID	Bid	(Rate/Unit)	Quoted Trip	Bid Value	Quoted Days		Bid	Date Time
9	23880	Your Bid	400.00	334	133600.00	SUN, MON, TUE, WED,	Thu, sat	18-	-04-22 16:36:53
	23879	Your Bid	300.00	390	117000.00	SUN, MON, TUE, WED,			-04-22 16:35:45

### **Online Tender Decision**





### Tender Decision

- Online Scheduling of TC Meetings
- Assisted Preparation of Tender Committee Minutes (TCM)
- Secretarial Assistance For Draft TC Minutes
- Digital Signing of TC Minutes
- Online Clarifications from Vendors
- Online Workflows for Technical Suitability
- Online Submission of TC recommendations
- Online Acceptance/ Rejection of TCR

# Tender Decision

- System Generated Counter Offers
  - Online Acceptance of Counter offers
- Calling of Negotiations, Negotiated Bids
- Auto Generation of Letter of Acceptance
- Auto Generation of Purchase Order/ Contract
  - No Finance vetting of Auto Generated

contracts

 Pan India MIS reports for Pending Tenders, Time taken in finalization etc.

Reduction in Procurement Cycle Time ~ 2-3

Mark Case for Technical examination     Initiate New Decision Process     Correspondence with Vendors [0]	Dept/Rly: Never sent fo	IREPS-TESTING	Closing Date/Time Bidding System	26/08/2017 19:30 Single Packet
Mark Case for Technical examination     Initiate New Decision Process     Correspondence with Vendors [0]	Never sent fo	or evaluation	Bidding System	Single Packet
Initiate New Decision Process	Never sent fo	or evaluation		
Correspondence with Vendors [0]				
MD / TDC Refund Status :- Not Required				
<ul> <li>View Coverage Details / Mark Case as Finalized</li> </ul>				
eviously Finalized Tender Decisions				

TD ID / Ver	Accepted On	Acceptance Type	Recc. Type	Decision	Pending Actions	Action
678321 / 1	31-10-2020 16:20:35	TCR Accepted	Preliminary TC			E 🕂
947 / 1.1	20-02-2020 15:43:48	Modified Terms and Condition	Retender (for all items)	Retender		
947 / 1	26-10-2017 17:47:55	TCR Accepted with Modification Instructions	Retender (for all items)	Retender		🖹 🕂 🕲

#### Previous TC Meeting Letters Issued

Issue Date	Meeting Date	Venue	Remarks	Туре	Status	Action
31-10-2020 16:11:15	31/10/2020 16:15	ITO, ITPI BULIDING, DELHI		Meeting Letter	Published	ļ
28-09-2017 16:04:10	28/09/2017 16:15	ITO, ITPI BULIDING, DELHI	df gdf g	Meeting Letter	Published	Ш,

#### Withdrawn / Superceded Draft

TD ID	Version	Date	Remarks	Action
			No Record Found	

Tender	Decision - Quanti	ity					TC Clone	TD HOME
	ा संख्या der No:	21-OCT-2019_1			।/रेलवे IREPS-TEST :/ <b>Rly:</b>	ING अंतिम तिथि/समय Closing Date/Tin	ne 21/1	0/2019 12:30
	प्न शीर्षक der Title	NEGOTIATION T	ESTING			बिडिंग सिस्टम Bidding System		le Packet
TOP SH	IEET GENERAL	T 🧿 🗐	🖬 4 🗟 🐺					
In Case /	Any Issues in Sav	ing Data Please	Refresh page by Press	sing 'CTRL+F5'.				
		-	ering/ Nego./ C.Offe	-			Manag	e Tabs 🗸
3.0	मात्रा की समीक्षा Qua	antity Considerat	tions				<u></u>	
	[Evaluation Criteri							
			long local local					
3.1	The tender quant	tity vis-a-vis the i	revised requirement, a	nd the quantities to b	oe ordered, retendered or p	pended are shown below:		
	Revised Rqmt.	Qty previously Covered		Quantity		Remarks		
		Covered	Order/ Nego/ C.O	Retender	Pend			
	ΤQ		BQ 0.00	BQ 0.00	BQ 0.00			
	PL01- GOODS						•	
	HP [Qty: 10.00 Ye	ear]						
	10.00	0.00	10.00	0.00	0.00	li		
PL02- SERVICE								
	PL02- SERVICE							
	PL02- SERVICE	v: 20.00 Year]						
		-	20.00	0.00	0.00			
	UTTRANCHAL [Qty	-	20.00	0.00	0.00			
	UTTRANCHAL [Qty 20.00	0.00	20.00	0.00	0.00			
	UTTRANCHAL [Qty 20.00 PL03- AMC	0.00	20.00	0.00	0.00			
3.2	UTTRANCHAL [Qty 20.00 PL03- AMC GUJARAT [Qty: 50	0.00 .00 Year]						
3.2	UTTRANCHAL [Qty 20.00 PL03- AMC GUJARAT [Qty: 50	0.00 .00 Year]						

Tender Decision - T	\$C				Т	C Clone TD HOME	
निविदा संख्या Tender No:	21-OCT-2019_1		विभाग/रेलवे Dept/Rly:	IREPS-TESTING	अंतिम तिथि/समय Closing Date/Time	21/10/2019 12:30	)
निविदा शीर्षक Tender Title	NEGOTIATION TE	STING			बिडिंग सिस्टम Bidding System	Single Packet	
OP SHEET GENE	RAL QTY ELIGIB	ILITY DISCUSS RATES	RECOMMEND T&	C TC MINUTES		T 😟 🗐 🔟 🔩 🖪	K
Case Any Issues in	n Saving Data Please R	lefresh page by Pressing 'CTI	RL+F5'.				
de : TC (3 Membe	ers) Decide for : Orde	ering/ Nego./ C.Offer				Manage Tabs 🗸	
		[Bid Id : 10425675]					1
-		BIDDER 4-LUDHIANA (12318				1	
Industry type: <b>MSE</b>	(Khadi and Village )	Industries Commission), O	wned by SC: <b>Yes</b> , Own	ed by ST: <b>No</b> , Owned by	Women: Yes		
Recommended fo	r Ordering						
Rate Details							
PL01 -	[Goods, GOODS]					Developmental	~
Additiona	al Details for Description						
Basic R	ate- Rs.11500.00, Un	cond. Discount- 1.00%, Pkg	g Charges- Rs.2.00, El	D- Nil, Forwarding- Rs.	3.00		
НР		5.00 Numbers	GST- GS	ST Extra 5.00%, Freight	Charges- Rs.4.00		
PL02 -	[Service, SERVICE]					Regular	~
Additiona	al Details for Description						
Basic R	ate- Rs.12000.00, Un	cond. Discount- 1.00%,					
UTTRAN	ICHAL	5.00 Numbers	GST- GS	GT Extra 5.00%,			
	[AMC, AMC]		1			Regular	~
PL03 -							
	al Details for Description						
Additiona	al Details for Description ty Period : 2 Years, A	MC Period : 2 Years					
Additiona	ty Period : 2 Years, A	MC Period : 2 Years 5.00 Year	AMC Ra	<b>te</b> Year 1 - Rs.10000.00	, Year 2 - Rs.9500.00, <b>GS</b> T	GST Extra 2%	
Additiona Warran	ty Period : 2 Years, A T		AMC Ra	<b>te</b> Year 1 - Rs.10000.00	, Year 2 - Rs.9500.00, <b>GS1</b>	GST Extra 2%	

Tender Negotia	tion				TCR Action	s TD HOME
Tender No: Tender Title	21-OCT-2019_1 NEGOTIATION TESTING		Dept/Rly:	IREPS-TESTING	Closing Date/Time Bidding System	21-10-2019 12:30 Single Packet
	GOTIATION STAGE DETAILS	FIRMS' SELECTION	NEGOTIATION LE	TTER		

List of Firms (Nego.) [Total Records : 3]

Firm name (Bid Id)	Required or Not	Negotiation details			Bid Details		Action	
		Letter	Stage	Nego Date	Closing Date	Received	Opened	
TEST BIDDER 1DELHI. [BidId :10425643]	Required	Pending						×
TEST BIDDER 2-JAUNPUR. [BidId :10425675]	Required	Pending						×
TEST BIDDER 3BHAGALPUR.2 [BidId :10425696]	Required	Pending						X

In case it is subsequently decided that negotiations are not required to be conducted with any of these firms, please click on  $\times$  icon to cancel negotiations with the firm. Please click on  $\Im$  icon to restore a cancelled negotiation. Necessary approval may be obtained from competent authority for these purposes.

#### Negotiations Cancelled / Restored

1	Firm name (Bid Id)	Decision Type	Туре	Transaction by	Date	Remarks
	No Record Found					

#### IREPS-TESTING

IREPS TESTING Address12, etertwert34t3wnnncxf ITPI ITO i 0409221, 110002 Delhi , India

Letter No: IREPS TESTING / 250223-1 / 701013

Dated: 10/03/2023

#### M/s TEST BIDDER 2-JAUNPUR.

Ram Bag Mandir, Jaunpur., Uttar Pradesh, India, 222161

#### Ref:

- 1. Tender No. 250223-1 closing date 25-02-2023 21:41 for Test Tender DRDO Item Level
- 2. Your bid ID 14890652 dated 25/02/2023 21:20 submitted by M/s TEST BIDDER 1.-DELHI.

Your offer under reference has been considered by the competent authority and it has been decided to place order on you as per the following details:-

#### **Rate Details**

PL001 - [Goods, s jhasdljkfh alsjdkfhalkjsd fh] Re							
Basic Rate- Rs.1000.00, Uncond. Discount- 2.00%, Pkg Charges- Rs.0.00, ED- Nil, Forwarding- Rs.0.00							
HAS DGFKAGSDKF         1000.00 Numbers         GST- NIL, Freight Charges- Rs.0.00							
HASGDFH	1000.00 Numbers	GST- NIL, Freight Charges- Rs.0.00					

**Delivery Period** 

Description	Delivery / Completion [Non-Severable]	Rate of Supply
For All Items / Groups	<b>Commencement :</b> Within 2 Days of issue of Contract, <b>Completion :</b> Within 100 Days	

#### Inspection

Item Code	Inspection Agency
PL001	TPI Agency, wert

Warranty Period

# Third Party Inspections





# Third Party Inspection

- Auto allocation of contract to Inspection Agencies
- Online submission of call by Vendors
  - Auto linking of all related documents
- Checking and Registration of Calls
  - Auto registration of Calls
- Scheduling of Inspection
- Online Generation of Inspection Certificate

# Third Party Inspection

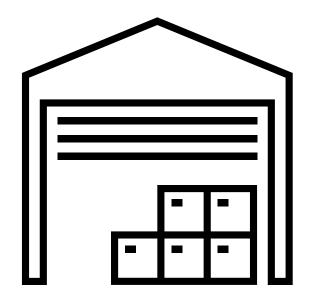
- Auto generation of bills for payment of Inspection Charges
- Key Performance Indicators
  - System generated reports for KPIs
- Real-time visibility to all stakeholders
  - Inspection calls
  - Inspection / Rejection Certificates



# Vendor Approvals

- Digital Item Masters
  - Attached Specs/ Drawings/ STRs
- Digital Vendor Directories
- Online submission of application for approvals/ Digital payment of Fee
- Online processes / workflows for approvals
  - Document checking, Capacity cum Capability Assessment, Design / Drawing approvals, Prototype approvals etc.
- Online approval
- Auto Inclusion of approved vendor in Vendor Directory

### User Depot Module



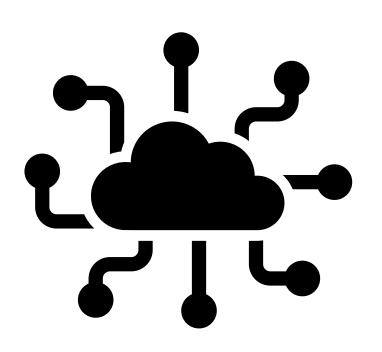


### User Depots

- Material Ledgers
  - Inventory Balances
- Material Receipts
  - Receipt Notes
- Material Issues
- Consumption Patterns
- Stock Verification Processes

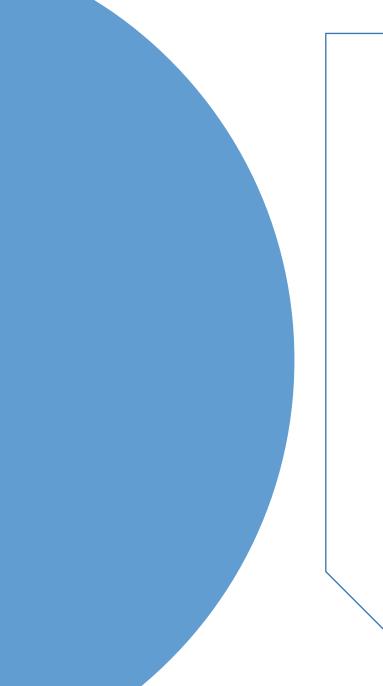
# Other Developments







- Digital Repositories
  - Conditions / Documents
    - Standardization
  - Auto Insertion Option
- Parametrized Tender Clauses
  - Control over response
- Digitization of Item Directories
  - For Works Tenders



- Online Requests, Processing & Tracking of Modification Requests
- Dispatch Advices by Vendors
- Automated Recoveries
  - Central Recovery Register
- Arbitration / Court Cases

# Thank You