GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)

No. 2015/C&IS/Project/AGBTCS/19 **New Delhi, Dated: 11 .04.2017**

The General Manager,
Northern Railway,
New Delhi.

Sub:- Sanction for the work of "Automatic Gate Based Ticket Checking System (for trial in two stations)".

Ref:- CRIS's letter No. 2014/CRIS/NDLS-HQ/UTS/Project/253/0164 dated 14.06.2016.

A new work "**Automatic Gate Based Ticket Checking System (for trial in two stations)**" has been included in the Pink Book for the year 2017-18 as Item No. 224 of Northern Railway at the abstract cost of Rs. 4.16 Crore (Rupees four crore and sixteen lakh only).

Item-wise break up of cost is appended as "Annexure".

Vinita
(Vinita Narera)
Director Electronics(C&IS)

Copy to :-

1. **The CCM/PM, Northern Railway, New Delhi.**
2. **Managing Director/CRIS, Chanakyapuri, New Delhi.**
3. **The General Manager/UTS, CRIS, Chanakyapuri, New Delhi.**
4. F(x)II and Budget Branches, Railway Board.

Pl. inform us
12/4/17
13/04/17

Annexure

Break-up of cost of the work of "Automatic Gate Based Ticket Checking System (for trial in two stations) "

S.No.	Item	Qty	Rate (Rs.)	Amount (Rs.)
	Hardware			
1	Cost of Automatic Gates fitted with RFID reader and QR-code checking mechanism	12	712130	8545560
2	RFID Reader/Writer for issuing/charging of Smart	6	16100	96600
3	QR-code printer to be fitted at point of sale Heavy Duty	25	72000	1800000
4	QR-code printer to be fitted at point of sale Low Duty	50	16000	800000
5	Station Servers at Stations along with required storage etc.	1	862428	862428
6	RFID smart cards (5000 per Stations)	5000	61.85	309250
	Software			
7	OS Cost			200000
8	SAP Sql Anywhere Standard Edition	2	410400	820800
9	SAP Sql Anywhere Standard Edition ATS per year	2	90288	180576
(A)	**TOTAL Cost of Line Items**			**13615214**
	Cost of Works			
1	Electrical Cabling cost including necessary components for 20 terminal points			1509000
2	Network cabling cost including necessary for network termination for 20 points			948145
(B)	**Total cost of works items**			**2457145**
	CRIS Charges			
1	Research & Development Charges (7.5% of A)			1021141.05
2	Implementation charges for Automatic Gate based Ticket Checking System and integration with UTS (7.5% of A)			1021141.05
3	Procurement Charges @ 5% (of A)			680760.70
4	Cost of Travel, logistics etc.	LS		1000000
5	Cost of Training and Passenger hand holding			1006170
(C)	**Total CRIS Charges**			**4729212.8**
	Total Cost of the Project per Station (A+B+C)			**20801571.8**
	Total cost of the project for 2 stations			**41603143.6**
	Rounded off			**Rs. 4.16 cr**