946876/2021/RBCC

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)

No. 2020/C&IS/Project/Proposals/Umbrella 2020-21/2 Pt.1. New Delhi, Dated: 11.08.2021

The General Manager,
Northern Railway, New Delhi.

Sub:- Sanction of the work "Proliferation of Computerized TTE Lobbies over Indian Railways".

Ref:- CRIS's letter No. 2020/CRIS/NDLS-HQ/CC/Proj/Workproposal/360/Pt-1 dated 26.03.2021..

Approval of Board (M/O&BD, Member/Finance and Chairman & CEO) is hereby communicated for the work "**Proliferation of Computerized TTE Lobbies over Indian Railways**" of Northern Railway at a cost of Rs. 16.13 Crore (Rupees sixteen crore and thirteen lakh only) chargeable to DF (3) under the sanctioned Umbrella 'Information Technology related works on Indian Railways' (Pink Book Item No. 242 of 2020-21 under Northern Railway).

This work is now appearing as PB Item No. 247c of 2021-22 under Northern Railway.

Item-wise cost of the work is appended as "Annexure".

The Project Management Establishment (PME) and Implementation charges taken for the project being implemented by CRIS is under review in Railway Board. Any changes thereof, would need to be taken into account at the time of preparation/sanctioning of the Detailed Estimate of this work.

This issues with the concurrence of Finance Directorate of Ministry of Railways.

11/8/21

(Kuldeep Singh)
Director/Mech Engg(C&IS)

No. 2020/C&IS/Project/Proposals/Umbrella 2020-21/2 Pt.1. New Delhi, Dated: 11.08.2021

Copy to :

1. The Principal Financial Adviser, Northern Railway, New Delhi.
2. Principal Director of Audit, Northern Railway, New Delhi.
3. The Dy. Comptroller and Auditor General of India (Railways), Room No. – 224, Rail Bhawan, New Delhi.

For Member Finance

Copy to :

1. The Chief Administrative Officer(PTS), Northern Railway, IRCA Building, New Delhi.
2. Managing Director/CRIS, Chanakyapuri, New Delhi.
3. F(X)-II and Budget Branches of Railway Board.

13/8/21

O/C issue fair w.e. please - 2 nos

Annexure

No. 2020/C&IS/Project/Proposals/Umbrella 2020-21/2 Pt.1. New Delhi, Dated: 11.08.2021

Abstract Estimate for Proliferation of Computerized TTE lobbies over Indian Railways				
S.No	Items	Qty`	Rate (Rs.)	Total (Rs.)
1	**System Software Cost**			
	System Software for Production Systems			
i	Enterprise RDBMS	7	3216281.73	22513972
ii	RDBMS HA/Cluster Licenses (e.g. RAC)	6	1557357.45	9344145
iii	RDBMS Diagnostic	7	507834.15	3554839
iv	RDBMS Tuning	7	338556.4	2369895
v	Enterprise Application Server	7	1692780.2	11849461
vi	Enterprise Web Server Software	5	338556.41	1692782
vii	Installation & Commissioning Services	30	34439.9	1033197
viii	SSL Certificate	3	13983.05	41949
ix	Biometric SDK and Integration with TTE lobbies	1	500000	500000
x	SMS sending charges	0.0205	16425000	336713
	Sub Total (1)			**53236953**
2	**System Software Maintenance Cost (Paid to OEM)**			
2.1	Annual Technical Support (ATS) on Sys SW, during the project period @ 22% per year	2	9255344.84	18510690
2.2	SSL Certificate	2	41949.15	83898
	Sub Total System Software(2)			**18594588**
	Total System Software cost (1+2)			**71831541**
3	**Hardware Systems cost**			
	Production Environment			
3.1	Cloud infrastructure cost for TTE lobby	1	6034665	6034665
3.2	Computers for Application Support	6	64406.78	386441
3.3	Printers for Application Support	6	18768.85	112613
	Total for Hardware (3)			**6533719**
4	**Network Equipment/Infrastructure cost for central site**			
4.1	Network 1st year cost	1	3023740	**3023740**
4.2	Recurring cost for network for the project periods Y2 and Y3	2	1779016	**3558032**
	Total Network (4)			**6581772**
5	**Project Management Establishment**			
5.1	GM (0.25 Manmonth for 3 years)	9	366371	3297339
5.2	PPE (0.25 Manmonth for 3 years)	9	309457	2785113
5.3	SPE (1 for 3 years)	36	298524	10746864
5.4	Asstt Software Engineers (3 Engg for 3 years)	108	143425	15489900
5.5	Asstt Manager (1 for 3 years)	36	156545	5635620

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5.6	Project Assistant (1 manmonth for 3 years)	36	39125	1408500
	Total Project Management Establishment (5)			**39363336**
6	**Total Project Cost (1 to 5)**			**124310368**
7	**CRIS Charges**			
7.1	ICT Innovation @ 3%			3729311
7.2	Quality/ISO Certifications @ 2%			2486207
7.3	CRIS Internal IT Systems (HW/SW) and Information Security @ 2%			2486207
7.4	Procurement Services @ 2%			2486207
7.5	Contingency Charges @ 1%			1243104
8	**Total CRIS Charges (7)**			**12431037**
9	**Total cost of the project (6+8)**			**136741404**
10	**GST @18% of (9)**			**24613452.77**
	Grand Total (9+10)			**161354857**
	Rounded off			**Rs. 16.13 Crore**

14/8/21