Railway stations are fascinating places. It might be because they have withstood everything from wars to urban development. It might be because of their historic buildings that inspire writers to weave stories around them. It might also be due to the train journey itself, an exciting adventure to foreign lands or a return to familiar settings.

Whatever it is, railway stations aren’t just transportation hubs; they are places that take you into another world before your train even leaves the platform.
RAILWAY STATION DEVELOPMENT IS NOT ONLY ABOUT:

• Erecting Buildings
• Creating Real Estate Property/Value

IT IS ABOUT:

• Creating dynamic spaces, to be used by passengers, other users and everyone around it.
• And a celebrated destination for visitors from across the city, region and world.
• To create a distinctive community, leading to sustainability, affordable housing, and diverse architectural style. Its streets will be lined with shops, restaurants, galleries, arts and culture.
VISION FOR:
Transit Oriented Development

Connected Neighbourhoods
High Density
Public Transport
Walkable & Cyclable
Mixed Use
Multi Modal Integration
Parking Restrictions
Vibrant Public Spaces
STATION AREA PLAN PREPARATION PROCESS

Station Area Master Plan

- Land assessment
- Traffic and transport impact assessment
- Assessment of city infrastructure
- Real Estate Demand and Supply Assessment
- Urban Design vision and Master Plan
- Station building and operational area design
- Design of other Mandatory Components
- Architecture and Eng. Design of mandatory components ONLY

- Site planning, road network and public space design
- Architectural Design of Station Building and operational areas
- MEPS design of station building and operational areas
- Design of other Mandatory Components
CONSULTANT ENGAGEMENT

ON-GOING

International Design Competition

Empanelment of experienced firms for Master Planning and station design

Experienced firms invited to given concept ideas on no cost basis; SRIJAN

Senior Technical experts are being hired in-house

RECOMMENDED IN LAST CONSULTATION

Empanelment of Young architects for station building reconstruction

Enlisting of Station Planning Experts

Empanelment of Young architects for station building facelifting
INTERNATIONAL DESIGN COMPETITION

For appointment of consultants for development of Concept and Master Plan of 3 Stations

GWALIOR RAILWAY STATION

NAGPUR RAILWAY STATION

BAIYAPPANAHALLI RLY STN, BANGALORE
<table>
<thead>
<tr>
<th>Station</th>
<th>Ranks</th>
<th>Team UID</th>
<th>Consultant</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAIYAPPA</td>
<td>Rank 1</td>
<td>IDC17/C/B1251813</td>
<td>Voyants Solutions Pvt. Ltd.</td>
</tr>
<tr>
<td></td>
<td>Rank 2</td>
<td>IDC17/C/B1209241</td>
<td>Arinem Consultancy Services Pvt. Ltd.</td>
</tr>
<tr>
<td>NHALLI</td>
<td>Rank 3</td>
<td>IDC17/C/B1082469</td>
<td>Rdx Architects</td>
</tr>
<tr>
<td>GWALIOR</td>
<td>Rank 1</td>
<td>IDC17/C/G1251813</td>
<td>Voyants Solutions Pvt. Ltd.</td>
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<tr>
<td></td>
<td>Rank 2</td>
<td>IDC17/C/G1214454</td>
<td>Sikka Associates</td>
</tr>
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<td></td>
<td>Rank 3</td>
<td>IDC17/C/G1209241</td>
<td>Arinem Consultancy Services Pvt. Ltd.</td>
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<tr>
<td>NAGPUR</td>
<td>Rank 1</td>
<td>IDC17/C/N1200625</td>
<td>Enia Architectes</td>
</tr>
<tr>
<td></td>
<td>Rank 2</td>
<td>IDC17/C/N1251813</td>
<td>Voyants Solutions Pvt. Ltd.</td>
</tr>
<tr>
<td></td>
<td>Rank 3</td>
<td>IDC17/C/N1248808</td>
<td>Nivedita &amp; Uday Pande Consultants</td>
</tr>
</tbody>
</table>
BAIYAPPANHALLI- WINNING ENTRY
NAGPUR - WINNING ENTRY
### IDC - CATEGORY-2 WINNERS (STUDENTS)

<table>
<thead>
<tr>
<th>Station</th>
<th>Ranks</th>
<th>Team UID</th>
<th>Team of Students from</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAIYAPPA</td>
<td>Rank 1</td>
<td>IDC17/S/B1244715</td>
<td>School of Planning and Architecture, Delhi</td>
</tr>
<tr>
<td>NHALLI</td>
<td>Rank 2</td>
<td>IDC17/S/B1227670</td>
<td>School of Planning and Architecture, Vijayawada</td>
</tr>
<tr>
<td></td>
<td>Rank 3</td>
<td>IDC17/S/B1203543</td>
<td>Marian College of Architecture &amp; Planning, Kazhakuttom</td>
</tr>
<tr>
<td>GWALIOR</td>
<td>Rank 1</td>
<td>IDC17/S/G1245103</td>
<td>BNCA – Dr. Bhanuben Nanavati College Of Architecture, Pune</td>
</tr>
<tr>
<td></td>
<td>Rank 2</td>
<td>IDC17/S/G1248990</td>
<td>Jamia Millia Islamia , Delhi</td>
</tr>
<tr>
<td></td>
<td>Rank 3</td>
<td>IDC17/S/G1257643</td>
<td>Amity University, Noida</td>
</tr>
<tr>
<td></td>
<td>Rank 1</td>
<td>IDC17/S/N1253501</td>
<td>School of Planning and Architecture, Delhi</td>
</tr>
<tr>
<td>NAGPUR</td>
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<td>IDC17/S/N1247567</td>
<td>School of Planning and Architecture, Delhi</td>
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<tr>
<td></td>
<td>Rank 3</td>
<td>IDC17/S/N1193941</td>
<td>Jamia Millia Islamia , Delhi</td>
</tr>
<tr>
<td>Category</td>
<td>Nature of Assignment</td>
<td>Total Technical Score ($S_T$) required</td>
<td>Maximum Number of Projects</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------------------------------------------</td>
<td>----------------------------------------</td>
<td>----------------------------</td>
</tr>
</tbody>
</table>
| **Category A** | Projects:  
  i. Having estimated station development cost of INR 350 Cr and above, or  
  ii. Of complex nature, or  
  iii. Of Prestigious/iconic development/strategic importance | Greater than or equal to 90             | 4                          |
| **Category B** | Projects having estimated station development cost above INR 150 Cr and below INR 350 Cr | Greater than or equal to 80 and less than 90 | 3                          |
| **Category C** | Projects having estimated station development cost less than or equal to INR 150 Cr | Greater than or equal to 70 and less than 80 | 2                          |
### EMPANELMENT OF CONSULTANTS

#### Mandatory Professionals in teams

<table>
<thead>
<tr>
<th>Role</th>
<th>Qualification</th>
<th>Experience</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chief Urban Designer/Planner cum Team Leader (the “Team Leader”)</td>
<td>Masters in Architecture (Urban Design)/ Masters in Planning or Equivalent</td>
<td>15 years</td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bachelors in Architecture or Equivalent</td>
<td>20 years</td>
</tr>
<tr>
<td>Chief Architect</td>
<td>Masters/ Bachelor in Architecture or Equivalent</td>
<td>15 years</td>
</tr>
<tr>
<td>Station Planning Expert</td>
<td>Masters/ Bachelor in Architecture or Equivalent</td>
<td>10 years</td>
</tr>
</tbody>
</table>

#### Other Professional Personnel

<table>
<thead>
<tr>
<th>Role</th>
<th>Qualification</th>
<th>Experience</th>
</tr>
</thead>
<tbody>
<tr>
<td>Structural Engineer/Construction Expert</td>
<td>Masters/ Bachelor in Civil Engineering or Equivalent</td>
<td>10 years</td>
</tr>
<tr>
<td>Transport Planning Expert</td>
<td>Post Graduate in Traffic and/or Transport engineering/Planning</td>
<td>10 years</td>
</tr>
<tr>
<td>Environmental Expert</td>
<td>Masters/ Bachelor in Environmental Science or equivalent</td>
<td>10 years</td>
</tr>
</tbody>
</table>
COMMON CAUSES OF REJECTION

- All required forms not filled and submitted.... Un-responsive
- Legal documents like PoA, Board Resolution not submitted
- Lead member of JV not having financial eligibility
- Team Leader not from Lead member of JV
- No Station Planning Expert or not having any experience of station /metro
- JV Partner having no Key personnel
- JV Partner not having any eligible assignment
- Key Personnel being sub consultant
Participation
• Any architect can submit concept schemes for 1 or more stations
• Submission and presentation

Acknowledgement
• Token honorarium
• Certificate
• Acknowledgement

Claims towards further engagement
• The services would not entitle the Applicant to claim, any right of first refusal or other preference/priority in appointment/selection for provision of other design/detailing or architectural services for projects undertaken by IRSDC, presently or in the future.
Consultants fee to be sought on Sqm basis - Actions being formulated

TOR for engaging medium and small scale architectural firms ready. Fresh empanelment to be conducted for:

- **Category AA**- Comprehensive Architectural Services for Station buildings
- **Category AB**- Face-lifting, retrofitting and interior works for station buildings

Call for collating details of Railway Station Experts to be floated.

Comments on MOSSR, Empanelment process etc received. Actions being formulated
BEST PRACTICES IN RAILWAY STATION DEVELOPMENT
The plan for Hudson Yards is not just about erecting tall buildings or bricks and mortar; it is about creating dynamic spaces to be used and enjoyed by residents and workers, and a celebrated destination for visitors from across the City, the region and the world. Hudson Yards will be a distinctive community characterized by world-leading sustainability, affordable housing, and diverse architectural styles. Its streets will be lined with shops, restaurants, galleries, arts and culture.

The largest private real estate development in U.S. history, Hudson Yards will dramatically transform a vast desolate space into New York’s next great neighborhood that mixes residences, offices, hotels, retail and vibrant street life, extending and enhancing the texture and feel of New York.
Station development-vision- Case Example

Hudson Yard Redevelopment, New York
HUDSON YARD-CASE
Station development-vision- Case Example

Hudson Yard Redevelopment, New York
Station development-vision- Case Example

Hudson Yard Redevelopment, New York
Good examples of TOD at Stations.

Kyōto Station

JAPAN (Pedestrian plaza at station entry)
Good examples of TOD at Stations.

Kyōto Station
JAPAN (Open Air theatre between buildings)
Gare de Oriente Station
Lisbon

It encompasses a
• Lisbon Metro station,
• high-speed, commuter and regional train hub,
• local, national and international bus station, a shopping Centre
• police station.
Good examples of TOD at Stations.

San Francisco

New Terminal Buildings

Old Building