

## Minutes recorded during Pre-Bid meeting held on 17.01.2022 at 15:00 Hrs through VC

EOI for "Intelligent Track Condition Monitoring & Maintenance Management System for DFCCIL"  
[NIT No. HQ-ENWCOMMS(TMMS)/1/2021-O/o GGM/WC-I/DFCC/12527 dated 22.11.2021]

S.N.	Queries raised/submitted	Remark by DFCCIL
<b>1.0</b>	<b>Avadh Infratech limited</b>	
a	Requested to postpone the date of submission of EOI.	As DFCCIL is already under operation and would like the inspection regime to be in place at the earliest, further postponement is not likely, however the request is noted down.
b	Can we make JV with two or three Agencies.	yes
<b>2.0</b>	<b>EZE Rail Transportation Infrastructure Pvt Ltd</b>	
a	The document mentions minimum speed of portable track geometry car as 20Kmph and with 20 Kmph, data for more than 2 block sections can not be recorded, can we have vehicles with higher speeds.	Document mentions minimum speed, TCMMS Agencies are free to have Devices at higher speeds which would record data for longer stretches.
b	So, shall require a minimum of three machines + one for repair allowance, so finally four trollies shall be required.	Yes, It looks like minimum three/four machines to start with.
c	Whether DFCCIL shall provide parking place on track at every station?	We have Machine Sidings at every station and it would be possible to accommodate it there.
d	Whether such parking places shall have facility for electric charging as these shall be battery operated	At present charging facility at Machine Siding is not available, however these can be developed.
e	Where are the resting facilities for the crew on DFCCIL and whether trolley operators can avail such facilities for their night stay? if so any modalities?	We have Service buildings & residential quarters at every station. We will look into the possibility for accommodation of vendors staff with Machines staff of DFCCIL
f	Whether every station on DFCCIL is wifi enabled?	Wifi is available at every station
g	How do we transfer data from TRC, through USB port or Bluetooth?	USB Ports, WIFI & Bluetooth are the normal provisions for such data transfer.
h	It is assumed that DFCCIL shall provide office accommodation at appropriate places on both the corridors, where they can have frequent interaction with P.Way staff.	OCC at Prayagraj and Ahmedabad
i	As the mobilization shall be capital intensive, DFCCIL shall consider providing advance money against the bank guarantee for procurement of such high value equipment.	The request is noted down for necessary internal deliberations.
j	Vendors need to have adequate number of road vehicles to travel to various locations along with P.Way staff of DFCCIL or the maintenance agency if required	Yes
k	What shall be the technical assessment criterion, any points system on benchmarking with similar experience, noteworthiness, etc	Similar experience and expertise would be the criteria.



l	What shall be the payment mechanism, which shall be given in RFP?	Payment will be based on Per Km run and records.
m	What are the timelines for finalization of commercial proposal of this	As soon as possible, our target is 31 st March end to finalise the Contract.
n	List of Reports and description of parameters	Will be finalized and provided in RFP.
<b>3.0</b>	<b>Vista Information System Ltd.</b>	
a	What integration required in S&T and OHE, OMS & TRC data.	Only Track Recording Car data will be required for necessary integration and analysis.
b	EOI Sub Para 5, integration will be required in Annexure-B TRC/S&T.	As above
c	the value for 3m long base is only 1 mm, which is not practical. VISTA requested DFCCIL to examine the same.	Agency may propose suitable alternative to meet the track maintenance requirement. DFCCIL will look into the same holistically and revised fresh parameters guidelines if needed.
d	Referring Para-4 (Sub para 12.1 c) Portable vision devices they need a good quality CAMERA and can be fix on self-propelled trolley in general.	Yes, it can be fixed on Self-propelled portable machine
e	Referring Page-7, location-needing inspection by OMS, TRC. Whether vendor have to procure OMS and TRC	DFCCIL will have its own TRC machine and OMS equipment. TRC data is required to be integrated and analysed.
f	For deployment of machines loaded condition inspection data should be used, then why are you using floated conditions data	The data here will be recorded in floating condition and therefore this will be in addition to the Track Recording Car data which will give details under loaded condition.
g	Refer Para-4 (12-III): To provide central repository and back up inspection and defect records securely. What is back inspection ?	Data to be maintained centrally. Recording of data is basically an inspection here.
h	We have to generate reports and MIS in the prescribed manner? Which reports?	We Will mention at RFP stage.
i	Will you adhere the accuracy value given EOI, at the stage of RFP? As these are stricter than the TRC to be procured from Mermec.	Agencies having problem in accuracy stipulations mentioned in the TOR, may submit suitable alternative proposal to meet the track maintenance standards.
j	Graw: unevenness accuracy: +/- 0.1 mm or lower on 3.0 m base chord is very demanding and is very difficult to be obtained. What is needed and what is obtainable have to be fixed.	As above
<b>4.</b>	<b>DB Engineering &amp; Consulting GmbH</b>	
a	Whether machines have to be attached with trains or self-propelled devices are required.	Self-propelled portable devices only have to be used by the agency.
b	Does DFCCIL has GIS Data of Tracks	Yes
<b>5.</b>	<b>Kontakt Consortium Chennai and DTK Germany</b>	
a	All questions at the moment reg accuracy of the unevenness etc has already been asked/discussed.	As 3 j above
<b>6.</b>	<b>Pandrol Rahee Technologies Pvt. Ltd.</b>	



a	There will be need of continuous monitoring of track comprehensively for 24*7 hours with non-invasive type of system based on Artificial Intelligence DFCCIL's requirement can be fulfilled based on fibre optics basis. We have developed online monitoring system, can DFCCIL consider our this type of proposal.	Though this don't satisfy our requirements, However, Pandrol may submit their proposal separately in this regard. As this is a new technology, we are open to adopt latest technologies.
<b>7.</b>	<b>SOKKIA- Auth. Dealer Paragon Instrumentation Engineers Pvt. Ltd.</b>	
a	With Artificial Intelligence, whether Vision devices are really required by DFCCIL?	Vision devices are required to monitor track defects.
<b>8.</b>	<b>APNA Technologies &amp; Solutions PVT LTD.</b>	
a	Power requirement of the system / auxiliary power, DC system is available in the machines. Power should be more stable	DFCCIL can only provide charging facilities at stations, rest, Agency has to take care .
b	To shift from periodic safety measurements to online continuous measurements of stresses in rails, continuous transferring data technology like residual stress are buildup with Rahee. One we have installed in Norway.	APNA Tech. to submit a proposal separately in this regard.
<b>9.</b>	<b>Titagarh Wagons Limited</b>	
a	What are the process and parameters of selecting the Agency?	Based on credentials, past experience and expertise in the field.
b	Will you select agency based on this document?	After this EOI, RFP will only be issued only those agencies selected based on credentials and having expertise experience in the field
c	What documents are required for JV	Will be shared at RFP stage
d	Will make in India preference have to be complied on this?	All statutory government regulations will be followed.
<b>10</b>	<b>Sensonic (Frauscher Sensonic India Pvt Ltd, Bangalore)</b>	
a	What are the systems with which the TCMMS shall be integrable?	In addition to the data being recorded by the portable track geometry car, vision device and SFT, TRC (being procured by DFCCIL separately) data shall also be required to be integrated.
b	Should the system apart from monitoring the track assets, monitor the surrounding infrastructure as well? (S&T and OHE monitoring has been listed.)	Not envisaged.
c	What kind of output/ reports would DFCC expect?	Reports will have to be submitted in required formats, which will be shared during RFP stage. In addition, alert generation for urgent/immediate attention will also be required.
d	Speaking about Portable Track Monitoring device – What is DFCC's exact look out from the Track monitoring device and where shall the system be installed.	Mentioned in EOI

The Participants were also requested to send any additional query within next 2-3 days and DFCCIL assured to respond to them at the earliest.