

**Tender for Traffic Survey on National Highways using portable Automatic Traffic Counter & Classifier
(ATCC) systems**

CORRIGENDUM-1

Sl. No.	Reference	Existing text in the RFP	To be read as
01	Clause 3.2.1	The applicant shall be a Company incorporated and registered in India under the Companies Act, 1956.	The applicant may be a Firm established in India or a Company incorporated and registered in India under the Companies Act, 1956/2013.
02	Clause 3.2.3	The bidder should have experience of undertaking minimum 10 traffic surveys on Highways using ATCC systems or setup ATCC systems in 3 different highway projects during the last five years ending March 2014- -----	The bidder should have experience of undertaking minimum 10 traffic surveys on Highways using ATCC systems or setup ATCC systems in 3 different highway locations during the last five years ending March 2014- -----
03	Clause 3.22	Imbalanced Bid	Deleted
04	Clause 3.30.1	Within 15 (Fifteen) days of the receipt of the Letter of Award, the successful Bidder shall submit performance security in the form of Bank Guarantee for Rs. 25,00,000/- (Rupees Twenty Five Lakhs only) in accordance with clause 3.22 and relevant conditions of contract.	Within 15 (Fifteen) days of the receipt of the Letter of Award, the successful Bidder shall submit performance security in the form of Bank Guarantee for Rs. 25,00,000/- (Rupees Twenty Five Lakhs only) per Zone in accordance with clause 3.22 and relevant conditions of contract.
05	Clause 4.7.3	New Clause	Contractors shall submit Invoices on monthly basis for the assignments completed by them.
06	Clause 4.9.3	The Contractor shall complete two traffic survey assignments at each location in a year starting from the date of commencement.-----	The Contractor shall complete two traffic survey assignments at each location at a gap of around six months within a year starting from the date of commencement.-----

07	Clause 5.1 last para	MORT&H assigned IHMCL for conducting traffic survey at around 700 locations on national highways in India. In that direction, IHMCL invites bids from eligible agencies to conduct traffic survey using portable Automatic Traffic Counter-cum-Classifiers (ATCC) on sections of single/ intermediate/2/4/6/8 lane National Highways at identified locations on National Highways in India as given in Annexure-3.	MORT&H assigned IHMCL for conducting traffic survey at around 1600 locations on national highways in India. In that direction, IHMCL invites bids from eligible agencies to conduct traffic survey using portable Automatic Traffic Counter-cum-Classifiers (ATCC) on sections of single/ 2/4/6/8 lane National Highways at identified locations (State-wise) on National Highways in India as given in Annexure-1.
08	Clause 5.4.2	<p>The ATCC system should meet the following accuracy levels.</p> <p>(i) Classification of vehicles : better than 95%</p> <p>(ii) Counting of vehicles : better than 98%</p> <p>For verification of the above mentioned accuracy levels, IHMCL may compare the ATCC data with the video captured.</p>	<p>The ATCC system should meet the following accuracy levels.</p> <p>(i) Classification of vehicles : better than 95%</p> <p>(ii) Counting of vehicles : better than 98%</p> <p>For verification of the above mentioned accuracy levels, IHMCL may compare the ATCC data with the video captured.</p> <p>Also, IHMCL may conduct audit of raw ATCC data (before validation / correction by the contractor) on sampling basis. If the Classification and Counting accuracies found below 90% or 95% respectively, then no payment will be made for that assignment. If such occurrences reach 3 times (different assignments), IHMCL may forfeit the Performance Security and terminate the contract.</p>
09	Clause 5.4.3	Video Camera: Colour video camera with the IR flash capable of capturing video during night/dark. Captured video should enable employer to identify and classify vehicles visually.	Video Camera: Colour video camera with the IR flash capable of capturing video during night/dark. Captured video should enable employer to identify and classify vehicles visually based on profile and axle count.
10	Clause 5.5.2	----- The sample report is given at Annexure -4	----- The sample report is given at Annexure -2
11	Clause 5.6	Classification of vehicles	Classification of vehicles shall be as per the relevant Standards of IRC. The ATCC system shall be able to

		The ATCC system shall classify the vehicles as defined in <i>IRC:3-1983 and IRC:9-1972.</i>					classify following vehicles, but not limited to: (i) Bicycle (ii) 2 Wheeler (iii) 3 Wheeler (iv) Tractor (v) Tractor with Trailer (vi) 2 Axle Small Commercial Vehicle (vii) LMV -2 Axle Light Motor Vehicle (viii) LCV -2 Axle Light Commercial Vehicle (ix) 2 Axle Truck or Bus (x) 3 Axle Truck or Bus (xi) Multi Axle Vehicles (MAV) (xii) Oversized Vehicle (OSV)
12	Clause 5.8.1	The traffic survey locations are grouped in 7 Zones as per Annexure – 1. The bidders are expected to submit bids for separate zones.					The traffic survey locations are grouped in 7 Zones in the decreasing order of no. of count stations i.e. Zone 1 will have maximum no. of count stations and Zone 7 will have the least no. of count stations. The bidders are expected to submit bids for separate Zones.
13	Page -28, BOQ,						Please refer Appendix – 1
		S. No	Description	Unit Price in INR	No. of assignments in 5 years (No. Of locations in this zone*2*5)	Total Amount in INR	
		1	Counting and classification of vehicles with the help of portable Automatic Traffic Counter & Classifier (ATCC) Systems for a continues period of 7 days round the clock for both upstream and downstream traffic	(Price to be quoted here for per assignment)			

		2	Videography of the movement of vehicles during the same period. Two sets of Camera systems, one each for upstream and downstream traffic	(Price to be quoted here for per assignment)			
			Total				
14	Page-40, Annexure-1, Traffic count locations in India, 1 st Column (Zone)	Zone-1			Zone-7		
		Zone-2			Zone-3		
		Zone-3			Zone-1		
		Zone-4			Zone-4		
		Zone-5			Zone-5		
		Zone-6			Zone-6		
		Zone-7			Zone-2		
15	Format 7.5, Page 34	Form of Performance Security			Please use revised format given at Appendix-2 for Performance Security		

6.2 BILL OF QUANTITIES

Zone - 1

S. No	Description	Highway lanes	*No. of Count Stations	No. of assignments in 5 years (No. Of count stations*2*5)	Unit Price in INR (Price to be quoted here for per assignment)	Total Amount in INR
(A)	(B)	(C)	(D)	(E)	(F)	(G)= (E)*(F)
1	Counting and classification of vehicles with the help of portable Automatic Traffic Counter & Classifier (ATCC) Systems for a continues period of 7 days round the clock for both upstream and downstream traffic	less than 2-lane	29	290		
		2-lane	115	1150		
		4-lane	115	1150		
		more than 4-lane	28	280		
2	Videography of the movement of vehicles during the same period. Two sets of Camera systems, one each for upstream and downstream traffic	less than 2-lane	29	290		
		2-lane	115	1150		
		4-lane	115	1150		
		more than 4-lane	28	280		
		Total				

(Authorized Signatory)

Note:

- (i) * The number of count stations given above are indicative for the purpose of evaluation only.
- (ii) The lane-wise count stations may vary depending upon the requirements.

6.2 BILL OF QUANTITIES

Zone - 2

S. No	Description	Highway lanes	*No. of Count Stations	No. of assignments in 5 years (No. Of count stations*2*5)	Unit Price in INR <i>(Price to be quoted here for per assignment)</i>	Total Amount in INR
(A)	(B)	(C)	(D)	(E)	(F)	(G)= (E)*(F)
1	Counting and classification of vehicles with the help of portable Automatic Traffic Counter & Classifier (ATCC) Systems for a continues period of 7 days round the clock for both upstream and downstream traffic	less than 2-lane	25	250		
		2-lane	110	1100		
		4-lane	110	1100		
		more than 4-lane	24	240		
2	Videography of the movement of vehicles during the same period. Two sets of Camera systems, one each for upstream and downstream traffic	less than 2-lane	25	250		
		2-lane	110	1100		
		4-lane	110	1100		
		more than 4-lane	24	240		
		Total				

(Authorized Signatory)

Note:

- (i) * The number of count stations given above are indicative for the purpose of evaluation only.
- (ii) The lane-wise count stations may vary depending upon the requirements.

6.2 BILL OF QUANTITIES

Zone - 3

S. No	Description	Highway lanes	*No. of Count Stations	No. of assignments in 5 years (No. Of count stations*2*5)	Unit Price in INR <i>(Price to be quoted here for per assignment)</i>	Total Amount in INR
(A)	(B)	(C)	(D)	(E)	(F)	(G)= (E)*(F)
1	Counting and classification of vehicles with the help of portable Automatic Traffic Counter & Classifier (ATCC) Systems for a continues period of 7 days round the clock for both upstream and downstream traffic	less than 2-lane	25	250		
		2-lane	100	1000		
		4-lane	100	1000		
		more than 4-lane	24	240		
2	Videography of the movement of vehicles during the same period. Two sets of Camera systems, one each for upstream and downstream traffic	less than 2-lane	25	250		
		2-lane	100	1000		
		4-lane	100	1000		
		more than 4-lane	24	240		
	Total					

(Authorized Signatory)

Note:

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- (ii) The lane-wise count stations may vary depending upon the requirements.

6.2 BILL OF QUANTITIES

Zone - 4

S. No	Description	Highway lanes	*No. of Count Stations	No. of assignments in 5 years (No. Of count stations*2*5)	Unit Price in INR <i>(Price to be quoted here for per assignment)</i>	Total Amount in INR
(A)	(B)	(C)	(D)	(E)	(F)	(G)= (E)*(F)
1	Counting and classification of vehicles with the help of portable Automatic Traffic Counter & Classifier (ATCC) Systems for a continues period of 7 days round the clock for both upstream and downstream traffic	less than 2-lane	22	220		
		2-lane	95	950		
		4-lane	95	950		
		more than 4-lane	22	220		
2	Videography of the movement of vehicles during the same period. Two sets of Camera systems, one each for upstream and downstream traffic	less than 2-lane	22	220		
		2-lane	95	950		
		4-lane	95	950		
		more than 4-lane	22	220		
		Total				

(Authorized Signatory)

Note:

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- (ii) The lane-wise count stations may vary depending upon the requirements.

6.2 BILL OF QUANTITIES

Zone - 5

S. No	Description	Highway lanes	*No. of Count Stations	No. of assignments in 5 years (No. Of count stations*2*5)	Unit Price in INR <i>(Price to be quoted here for per assignment)</i>	Total Amount in INR
(A)	(B)	(C)	(D)	(E)	(F)	(G)= (E)*(F)
1	Counting and classification of vehicles with the help of portable Automatic Traffic Counter & Classifier (ATCC) Systems for a continues period of 7 days round the clock for both upstream and downstream traffic	less than 2-lane	22	220		
		2-lane	86	860		
		4-lane	86	860		
		more than 4-lane	22	220		
2	Videography of the movement of vehicles during the same period. Two sets of Camera systems, one each for upstream and downstream traffic	less than 2-lane	22	220		
		2-lane	86	860		
		4-lane	86	860		
		more than 4-lane	22	220		
		Total				

(Authorized Signatory)

Note:

- (i) * The number of count stations given above are indicative for the purpose of evaluation only.
- (ii) The lane-wise count stations may vary depending upon the requirements.

6.2 BILL OF QUANTITIES

Zone - 6

S. No	Description	Highway lanes	*No. of Count Stations	No. of assignments in 5 years (No. Of count stations*2*5)	Unit Price in INR <i>(Price to be quoted here for per assignment)</i>	Total Amount in INR
(A)	(B)	(C)	(D)	(E)	(F)	(G)= (E)*(F)
1	Counting and classification of vehicles with the help of portable Automatic Traffic Counter & Classifier (ATCC) Systems for a continues period of 7 days round the clock for both upstream and downstream traffic	less than 2-lane	19	190		
		2-lane	75	750		
		4-lane	75	750		
		more than 4-lane	19	190		
2	Videography of the movement of vehicles during the same period. Two sets of Camera systems, one each for upstream and downstream traffic	less than 2-lane	19	190		
		2-lane	75	750		
		4-lane	75	750		
		more than 4-lane	19	190		
					Total	

(Authorized Signatory)

Note:

- (i) * The number of count stations given above are indicative for the purpose of evaluation only.
- (ii) The lane-wise count stations may vary depending upon the requirements.

6.2 BILL OF QUANTITIES

Zone - 7

S. No	Description	Highway lanes	*No. of Count Stations	No. of assignments in 5 years (No. Of count stations*2*5)	Unit Price in INR <i>(Price to be quoted here for per assignment)</i>	Total Amount in INR
(A)	(B)	(C)	(D)	(E)	(F)	(G)= (E)*(F)
1	Counting and classification of vehicles with the help of portable Automatic Traffic Counter & Classifier (ATCC) Systems for a continues period of 7 days round the clock for both upstream and downstream traffic	less than 2-lane	17	170		
		2-lane	66	660		
		4-lane	66	660		
		more than 4-lane	17	170		
2	Videography of the movement of vehicles during the same period. Two sets of Camera systems, one each for upstream and downstream traffic	less than 2-lane	17	170		
		2-lane	66	660		
		4-lane	66	660		
		more than 4-lane	17	170		
					Total	

(Authorized Signatory)

Note:

- (i) * The number of count stations given above are indicative for the purpose of evaluation only.
- (ii) The lane-wise count stations may vary depending upon the requirements.

Appendix-2

Format for submission of PBG

To,

The Chairman,
Indian Highways Management Company Limited (IHMCL)
NHAI, G-5&6, Sector-10
Dwarka, New Delhi – 110075
India

WHEREAS _____ [Name and address of Agency] (hereinafter called “the Service Provider”) vide letter ref. _____ dated _____ has accepted IHMCL’s Letter of Award ref. _____ dated _____ for “_____ {Details of work awarded} _____” (hereinafter called the “Contract”).

AND WHEREAS it has been stipulated by IHMCL in the said letter that the Service Provider shall furnish a Bank Guarantee for the sum specified therein as security for compliance with his obligations in accordance with the terms & conditions of empanelment.

AND WHEREAS we have agreed to give the Service Provider such a Bank Guarantee:

NOW THEREOF we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Service Provider up to a total of ` _____/- (Rupees _____) only, such sum being payable in the types and proportions of currencies in which the Contract Price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of ` _____/- as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

1. We hereby waive the necessity of your demanding the said debt from the Service Provider before presenting us with the demand.
2. We further agree that no change or addition to or other modification of the terms of the service provider or of the works to be performed thereunder or of any of the Contract documents which may be made between you and the Service Provider shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.
3. We undertake to pay to the IHMCL any money so demanded notwithstanding any dispute or disputes raised by the Service Provider in any suit or proceeding pending before any Court or Tribunal relating thereto our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the Service Provider shall have no claim against us for making such payment.
4. The liability of the Bank under this Guarantee shall not be affected by any change in the constitution of the Service Provider or of the Bank.
5. This guarantee shall also be operable at our _____ branch at New Delhi, from whom, confirmation regarding the issue of this guarantee or extension/ renewal thereof shall be made available on demand. In the contingency of this guarantee being invoked and payment thereunder claimed, the said branch shall accept such invocation letter and make payment of amounts so demanded under the said invocation.

6. This bank guarantee shall be valid from

7. Notwithstanding anything contained herein:

(i) Our liability under this Bank Guarantee shall not exceed ` _____/-

(ii) The Bank Guarantee shall be valid up to.....

(iii) We are liable to pay the Guarantee amount or any part thereof under this Guarantee only and only if you serve upon us a written claim or demand on or before

Name:

Date :

Designation:

Employee Code Number:

Mobile Telephone Number:

Name of issuing bank branch _____

Address _____

Telephone number _____

E-mail: _____

Name of bank branch at New Delhi _____

Address _____

Telephone number _____

E-mail: _____

Name of controlling bank branch _____

Address _____

Telephone number _____

E-mail: _____

Appendix -3

Turnover and Experience in case of JV/Consortium

Turnover

	Annual Turnover	Stake in JV / Consortium
Partner-1	x	a%
Partner-2	y	b%

Combined Turnover = $x*a \% + y*b \%$

Experience

	Experience	Stake in JV / Consortium
Partner-1	p	a%
Partner-2	q	b%

Combined Experience = $p*a \% + q*b \%$