



ಬೆಂಗಳೂರು ಮೆಟ್ರೋ ರೈಲ್ ನಿಗಮ ನಿಯಮಿತ

ಬಿ.ಎಂ.ಟಿ.ಸಿ. ಕಾಂಪ್ಲೆಕ್ಸ್, ೩ನೇ ಮಹಡಿ, ಕೆಂಗಲ್ ಹನುಮಂತಯ್ಯ ರಸ್ತೆ, ಶಾಂತಿನಗರ, ಬೆಂಗಳೂರು-೫೬೦೦೨೭

BANGALORE METRO RAIL CORPORATION LIMITED
3rd Floor, BMTC Complex, K.H. Road, Shanthinagar, Bangalore-560027.

SUB : TENDER FOR ALLOTMENT OF SPACE FOR INSTALLATION OF IBS/BTS/CELLULAR TOWER AND WIFI SOLUTIONS AT METRO STATIONS AND OPERATION FOR INDOOR & OUTDOOR CELLULAR /WIFI COVERAGE IN BMRCL PHASE-1 ALIGNMENT: Reply to bid queries -regarding

Ref : Tender No. 1 S&T - IBS dated 23rd April 2016

With reference to above tender notification, the clarifications to the queries received are as under -

Sl. No.	Section	Page No.	Clause No.	Brief Description of clauses in Tender	Query	BMRCL Clarifications
1		1		TENDER FOR ALLOTMENT OF SPACE FOR INSTALLATION OF IBS/BTS/CELLULAR TOWER AND WIFI SOLUTIONS AT METRO STATIONS AND OPERATION FOR INDOOR & OUTDOOR CELLULAR/WIFI COVERAGE IN BMRCL PHASE-1 ALIGNMENT	We request BMRCL to provide permission for laying the Fiber cable from outside the stations to inside the equipment room and between the stations for carrying wireless traffic of the sharing operators.	Laying of Fiber in BMRCL premises from outside of station to equipment room in the station shall be permitted. Refer para 4.2 & 4.2.6 of Indicative draft License Agreement (Page 39/40). BMRCL will not permit for fiber cable laying between stations in metro premises. However, the fiber laid by BMRCL between stations may be taken on rental basis.
2		8			It is understood that BMRCL will allow repeaters/fiber based Remote Units unit in the tunnels for uninterrupted telecom coverage.	On inevitable conditions due to technology limitations BMRCL may consider to allow installation of equipment in tunnel to have seamless coverage subject to technical feasibility provided the installation is clear of moving dimensions of train.
3		9		The tenure of the licensing of space will be Seven (7) years.	Urge the agreement period be extended to 10 years extendable by terms of 5 years.	Refer Sl. No 1 of Corrigendum-1.
4		9		In addition, Bidder shall also design and install necessary passive/active infrastructure to enhance/make available the radio signal coverage of communication services of Police & Fire Authorities in underground section (Stations and Tunnels). The Bidder shall interface with concerned authorities of Police and Fire departments for specification and other details of their systems required for designing and implementing the solution. No separate charges shall be payable by BMRCL for establishing and maintaining such infrastructure. Bidder shall be fully responsible for making all the arrangements including equipment to make available the service.	Request BMRCL to detail the expectations with respect to coverage of communication services for Police and Fire. Please share the uplink and downlink frequencies detail of both Police & Fire, details required to plan the Capex required at sites. We expect that the respective signal will be made available at the requisite signal strength at the equipment room by the respective police & fire authorities.	The requirement of signal coverage for Police and Fire Radio systems stands deleted.

Sl. No.	Section	Page No.	Clause No.	Brief Description of clauses in Tender	Query	BMRCL Clarifications
5		25	8.a	The first quarterly fixed license fees/space rent, would become payable to the BMRCL, prior to taking of possession as detailed in this tender document i.e. within 15 days of issue of letter of acceptance. Thereafter, the Fixed license fees/space rent would be payable in quarterly installments in advance, before last working day of the running quarter. The license fees/space rent payable would be, as detailed in the financial bid statement.	Payments should be changed from quarterly advance to monthly advance. The payment should start from the date of Operation (On Air) by Operator.	No change in clause.
6		40	4.2.4	If space provided for equipments is Air-conditioned, cost of Air conditioning will also be part of monthly/Lump sum rentals. If Air condition is not provided by BMRCL and licensee needs Air conditioning on said space, licensee will install Air-Condition on its own cost as per the BMRCL specifications with prior approval.	Request BMRCL to finalize the equipment room location and provide Air conditioning specifications & confirm availability inside the equipment room.	Refer Annexure-A for the details of the station wise equipment rooms. Air conditioning is available in underground stations i.e City railway station, Kempegowda Station, Visweswaraiya, Vidhana soudha and Cubbon Park. On N-S corridor, Air conditioning will be provided at KR Market, Chickpet and Kempegowda. In rest of the stations, Licensee shall make its own arrangements.
7		64	table-1	Note: The Tunnel length of East-west line is about 4.8 kms and that of North-South line is 4.00 kms	Request to provide the actual length of each tunnel.	Details enclosed in Annexure-1
8		68	b	The power supply will be extended by licensee from BMRCL's distribution boards which are located in station premises. The length of cable etc., to be provided by the licensee from distribution board (to be nominated by BMRCL) shall depend upon location of his shop/stall/kiosk.	As standard practice BMRCL should provide atleast 15 KVA 3-Phase 415V, 50Hz uninterrupted power inside the equipment room or at tower location and 1.5 KVA single phase 230V, 50Hz uninterrupted power tapping point inside the tunnels for Repeater/Remote Unit.	No change in the clause.
9		54	9.8	Encroachment: - The LICENSEE will strictly not encroach upon common areas / circulating areas or any other space, and restrict his operation to within the area licensed. In case, the Licensee encroaches upon the common area, circulating area or any other space then a fine / compensation @ Rs. 500/- on the first occasion, Rs. 2000/- on the second occasion and Rs. 3000/- on the third occasion will be imposed by BMRCL. Thereafter BMRCL reserves the right to revoke the license and forfeit the interest free security deposit.	For RTT site at overground stations, space should be provided from Column to Column, so that tower can be installed on the structure that transfers load on column only. Space for Routing of Cables, Earthing Chambers should NOT be considered as encroachment.	The construction of RTT or any other structure shall be subject to technical feasibility and approval in accordance with para 7 of General terms and conditions, page 52 and para 5 of Bid Application form page 33. Regarding use of cable trays/ Routing of cables etc. refer para 4.2 & 4.2.6 of Indicative draft License Agreement (Page 39/40). Earthing chambers are not considered as encroachment. Provisioning of earthing will be subject to terms and conditions given under section 'Provision of Electricity'.
10					We request BMRCL to share civil (CAD) drawing of all underground stations and tunnels for planning purpose.	A copy of Typical drawing is provided (One for elevated and one for underground Station) as Annexure-C & Annexure-D of Addendum.
11		40	4.2.5	Provision of ports at stations is to be made available for feeding in RF signals of TETRA Radio Systems being operated by Police and Fire Agencies....	Request technical details of the TETRA Radio system of Police/Fire.	Refer reply at Sl. No. 4
12		61	Annex A	Space for towers	Space may be required for routing of RF cable and/or OFC ducts from outside the station till the Transmission rack. Will BMRCL allow such routing of cables? The area for cables, however should not be included while calculating the total space required/occupied.	Refer para 4.2 & 4.2.6 of Indicative draft License Agreement (Page 39/40).
13					Who will provide the Earthing for the Electronic and electrical equipment?	Licensee shall make his own arrangements of earthing. However, in case of non availability of suitable space for construction of earth chambers, Licensee may be permitted to extend earthing from BMRCL's earth termination point, subject to approval of concerned authority.

Sl. No.	Section	Page No.	Clause No.	Brief Description of clauses in Tender	Query	BMRCL Clarifications
14		63	Annex B	Price Bid Form	How does one bid for IBS or a standalone Tower and how would area for IBS be calculated?	The successful bidder is required to bid and take the entire space at all the locations as given in Annexure A at the bided rate.
15		42	5.0	SD enhancement by 20% every three years	SD to be remained static for the whole duration of license	No change in the clause.
16		42	16.0	Forfeit SD and advance license fee upon termination of agreement	Advance Licensee fee paid may be forfeited but not SD	No change in the clause.
17		45	18.4	Operational ground, Licensor may ask the licensee to shift its equipment on its own expenses.	Relocation expenses to be absorbed by Licensor	Refer Sl. No. 11 of Corrigendum-1
18		45	19.1	termination/surrender: advance license fee & SD stand forfeited	Advance Licensee fee paid may be forfeited but not SD	No change in the clause.
19		45	19.2.2	termination/surrender	Advance Licensee fee paid may be forfeited but not SD	No change in the clause.
20		46	26.0	disconnecting utility services and seal of premises	For any non payment beyond three months, Licensor to issue show cause notice and if a satisfactory reply is not received within 30 days, utility services may be disconnected.	No change in the clause.
21		51	2.9	SD to be forfeited after termination.	SD amount to be refunded	No change in the clause.
22		24 & 53	5 & 9.1	Provision/delay of EB by BMRCL	BMRCL be accountable for provision of EB and should compensate the licensee for delay in operations and/or any additional expenses due to delay in provision of EB supply. BMRCL should also give NOC for tapping power from their Bus Bar and for taking direct connection from BESCO if so required by Bidder.	No change in the clause.
23		57	20.0	surrender	Advance Licensee fee paid may be forfeited but not SD	No change in the clause.
24				Sharing of Services by tender winner	The document is silent on sharing of the services with all OPCO's. Suppose anyone wins the bid & does not share the infra with other OPCO's, in that case, will there be a second bidder who can provide infrastructure and share the same with all OPCO's	Refer Sl. No. 10 of Corrigendum-1
25		8		2nd phase tender preference	The tender document mentions about the 2nd phase of metro being operational soon however there is no clarity if the successful winner of this tender will be able to have the first right of refusal for the second phase.	This tender is for the licensing of spaces at Phase-1 stations only as indicated in Annexure-A.
26		26	12	Commencement Date	Commencement date should be considered as the date of operation of site (On Air Date)	No change in clause.
27		18	25.1.1.1	eligibility criteria	Brief of all the criterias for technical and financial eligibility	Refer the Section "Technical Requirements" page 30.
28		19	27.5	Financial bid evaluation done in totality for all stations as a one lot.	Can we bid for selective stations? Some of the stations that are above the ground level have good network coverage provided by nearby towers and may not require any additional infrastructure. Individual bids are therefore recommended.	No. The successful bidder is required to bid and take the entire space at all the locations as given in Annexure A at the bided rate.
29				Security of towers	In case of any damages accidental/deliberate by BMRC who will be liable to it?	The Licensee shall be responsible for protecting/ securing his assets.

Sl. No.	Section	Page No.	Clause No.	Brief Description of clauses in Tender	Query	BMRCL Clarifications
30		68	b)	The power supply will be extended by licensee from BMRCL's distribution boards which are located in station premises. The length of cable etc., to be provided by the licensee from distribution board (to be nominated by BMRCL) shall depend upon location of his shop/stall/kiosk.	Who will provide the MCBs?	Refer clause e) of General terms and conditions for provision of Electricity at page 68.
31		68	c)	Licensee will have to take power supply from BMRCL's Distribution Board to the licensed premises at his cost by carrying out G.I. conduit wiring cabling. Licensee shall use FRLS copper cable, which will be taken inside a GI rigid conduit pipe. The GI rigid conduit pipe shall be suitably clamped and earthed as per BMRCL's requirement.	Can PVC conduits be used in place of GI?	No change in the clause
32		68	g)	BMRCL shall not be providing any standby power supply from station dg set or UPS.	Will space be provided for DG sets, especially in underground / Elevated stations?	Refer clause 15 of General terms and conditions of License Agreement, at page 56. "No DG is allowed".
33		68	h)	Licensee shall not be permitted to use any standby Diesel Generator Sets. Licensee will only be permitted to use standby UPS/Invertor system with maintenance free battery. The load of such standby UPS/Invertor system will also be taken as a part of total connected load.	Larger space may be required for higher capacity BB	Refer clause 15 of General terms and conditions of License Agreement, at page 56.
34		68	l)	Licensee shall provide proper Earthing connection as per the applicable standards and shall terminate the same to the BMRCL's Distribution board or to any other place as directed by the BMRCL.	Whether the earth pits will be constructed by BMRCL or earth points will be provided by BMRCL?	Refer reply at Sl. no. 13
35		69	s)	In case, the licensee draws power more than the connected load, his electricity connection shall be disconnected. The electricity connection will be provided back on first occasion only when licensee pays necessary penalty as per BESCO norms and removes excess load. On the subsequent occasion, BMRCL reserves the right to revoke the license and forfeit the interest free security deposit.	Higher load may be connected depending on the number of tenants. Need to have a procedure where higher load is sanctioned with minimal paper-work.	No change in the clause
36	Scope of Work	9	Last but one para	In addition, Bidder shall also design and install necessary passive/active infrastructure to enhance/make available the radio signal coverage of communication services of Police & Fire Authorities in underground section (Stations and Tunnels). The Bidder shall interface with concerned authorities of Police and Fire departments for specification and other details of their systems required for designing and implementing the solution. No separate charges shall be payable by BMRCL for establishing and maintaining such infrastructure. Bidder shall be fully responsible for making all the arrangements including equipment to make available the service.	1) Can BMRCL to facilitate the collection of Specifications. 2) Will the agency bear the rentals / cost if extra space is needed	Refer reply at Sl. No. 4
37	General conditions	16	20.0	BMRCL reserves the right to remove or add any site listed in the location plans and tentative site location section of this bid document. The Bidder voluntarily and unequivocally, undertakes not to seek any claim, compensation, damages or any other consideration whatsoever, in the event of removal of any site from the bidding process.	Will the space offered should be left undisturbed for the full period of License (7 years)	No change in the clause

Sl. No.	Section	Page No.	Clause No.	Brief Description of clauses in Tender	Query	BMRCL Clarifications
38	General conditions	18	27.1	Technical Evaluation: BMRCL will evaluate the technical suitability and acceptability of the proposals. The financial proposals of only those tenders, which are technically compliant and substantially responsive, will be evaluated. The BMRCL will also evaluate the technical suitability of the alternatives.	Clarify on the word Alternatives -- within or amongst bidders	The term 'Alternatives' refers to requirement as per clause 3 of section "Technical Requirements" page 30.
39	General conditions	18	27.4	The Bidder should submit his financial package without any conditions, qualifications, deviations etc to the tender documents. Any tender containing deviations, conditions, qualifications that are not priced for unconditional withdrawal is likely to be rejected.	More clarity needed	The clause is self explanatory.
40	General conditions	18	27.6	The evaluated price thus obtained shall be compared amongst various Bidders to determine the Highest evaluated tender package wise.	More clarity needed	The clause is self explanatory.
41	Terms & Conditions for bidding	27	16	Each Bidder will be deemed to have inspected the sites, the surroundings and inspected all necessary documentation and made all inquiries prior to participating in the bid process. The space is being offered on "as is where is basis" wherever station works are completed. In respect of stations that are under construction, the site will be finished to the reasonable level, fit for occupancy. The Bidder should satisfy himself\herself\themselves that the space is suitable for setting up his\her\their business for installation of IBS/BTS/cellular tower for signal enhancement	Support expected for the leading in arrangement -- for connecting our ducts to the allotted space	No change in the clause.
42	Technical requirement	30	1.2	Turnover : Average Annual financial turnover during the last 3 years, ending 31st March of the previous financial year (2014-15), should be at least Rs. 5,00,00,000/- (Rupees Five Crores only). For this purpose, audited Balance Sheets of last 3 years, certified by a Chartered Accountant, shall be attached, otherwise evaluation will not be carried out by BMRCL and tender is liable to be rejected.	To be reviewed	No change in the clause.
43	Draft License Agreement	39	4.2/4	Usage of Power : As per BESCO commercial rates and associated deposits and charges as applicable from time to time on back to back basis	Arrangement in case of Power shortage/crisis -- separate connection possible	refer clause g) & h) of "provision of electricity" page 68 and clause 25 of "indicative draft license agreement" page 46.
44	Draft License Agreement	40	4.2/9	Additional space for utilities :	If additional space is required in between the License period - how dealt ?	Refer clause 15 of General terms and conditions of License Agreement, at page 56.
45	Draft License Agreement	43	8.0	The licensee also agrees to utilize the telecommunication infrastructure of BMRCL on commercial terms where ever technically feasible first, before considering alternate facilities. The licensee shall use the premises only for the purpose for which it has been licensed, namely "operation of mobile telecommunication equipment for enhancement of cellular signals". The licensor reserves the right to penalize the licensee up to Rs. 5000/-for every occasion, where there has been misuse of the premise or the use of telecommunication equipment diverted to other commercial purpose within the BMRCL system.	Clarify	Clause is self explanatory.

Sl. No.	Section	Page No.	Clause No.	Brief Description of clauses in Tender	Query	BMRL Clarifications
46	Draft License Agreement	45	19.2.5	The period of license is seven years. After completion of the tenure of the license/pre-mature termination/surrender, the licensee voluntarily agrees to remove all his belongings/equipment installed by licensee on the premises within 30 days from the completion of tenure of the license/pre-mature termination/surrender. If the LICENSEE fails to vacate the property within a grace period of 30 days of termination / surrender / natural completion of the agreement, the LICENSEE shall be deemed to be an unauthorized occupant in the said premises and shall be liable to pay a fee @ Rs.50/- per Sq.Ft. per day for any period of occupation beyond that date along with the license fees due on expiry of 30 days grace period. The license fee is payable upto the date of vacation of licensed premises.	Process to continue after 7 years -- negotiation ? Clause 19.0 of General T&C to be incorporated into the License Agreement	refer clause 19 under General Terms and Conditions Page 57 and Corrigendum-1. 'General Terms and conditions of Agreement' is part of License agreement.
47	General Terms & Conditions of Agreement	51	4.0	Finishes: - The premises will be handed over by BMRL to LICENSEE in "as is where is basis". That the LICENSEE will make the said premises as per requirements. The Licensee shall install its own fixtures and equipment in the said premises after duly obtaining all necessary approvals from the licensor, permissions and licenses from the Municipal Corporation and such other Statutory Authorities at its own cost and expense if required	"if required" to be added	Refer Sl. No. 13 of Corrigendum-1
48	General Terms & Conditions of Agreement	58	15.0	Additional space for Antenna & other utility equipment :	Elaborate	Clause is self explanatory.
49	Provision of electricity	68	g)	BMRL shall not be providing any standby power supply from station dg set or UPS.	Permit roaming DG in the event of prolonged power failure	In the event of prolonged power failure DG operation will be permitted with the condition that it should be operated from outside of station without affecting commuters and metro train operations. However this is not applicable in case of power disconnection from the authorities for any reason.
50	Format for documents	92	Anx-VI	Proforma Certificate	To be altered suitably	Refer Sl. No. 9 of Corrigendum-1
51				Possibility of WiFi/ Small Cell along the route.		under this tender, no equipment installation is permitted along viaduct/pillars.
52				Possibility of OFC connectivity along the route.		Refer reply at Sl. no. 1
53				Earth pit/ GPS antenna		No change in the clause
54				Who gets designed spot for IBS/ Antenna/ Tower location, is it on First mover?		Refer Sl. No. 10 of Corrigendum-1
55				Can we install I/D Small Cells in addition to DAS which demands sharing with others ?		refer to clause 27.1 of "General instructions to bidders" page 18.
56				Along the Tunnel, a common leaky cable path is shown to us. For Technology reasons, we may have to go in for a separate RF device enroute.		Alternate Technology will be evaluated as per the clause 27.1 of "General instructions to bidders" page 18.

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57		1		TENDER FOR ALLOTMENT OF SPACE FOR INSTALLATION OF IBS / BTS / CELLULAR TOWER AND WIFI SOLUTIONS AT METRO STATIONS AND OPERATION FOR INDOOR & OUTDOOR CELLULAR / WIFI COVERAGE IN BMRCL PHASE-1 ALIGNMENT	We request BMRCL to provide permission for laying the Fiber cable from outside the stations to inside the equipment room and between the stations and Space required for MW antenna outside the metro station for carrying wireless traffic of the sharing operators.	Refer reply at Sl. No. 1
58		8			It is understood that BMRCL will allow repeaters/ fiber based Remote Units unit in the tunnels for uninterrupted telecom coverage.	Refer reply at Sl. no. 2
59		9		The tenure of the licensing of space will be Seven (7) years.	Urge the agreement period be extended to 10 years extendable by terms of 5 years.	Refer Sl. No. 1, 2 & 3 of Corrigendum-1
60		9		In addition, Bidder shall also design and install necessary passive/active infrastructure to enhance/make available the radio signal coverage of communication services of Police & Fire Authorities in underground section (Stations and Tunnels). The Bidder shall interface with concerned authorities of Police and Fire departments for specification and other details of their systems required for designing and implementing the solution. No separate charges shall be payable by BMRCL for establishing and maintaining such infrastructure. Bidder shall be fully responsible for making all the arrangements including equipment to make available the service.	Request BMRCL to detail the expectations with respect to coverage of communication services for Police and Fire. Please share the uplink and downlink frequencies detail of both Police & Fire, details required to plan the Capex required at sites. We expect that the respective signal will be made available at the requisite signal strength at the equipment room by the respective police & fire authorities.	Refer Reply at Sl No. 4
61	27.5	19	27.5	The evaluation of Financial Bid quoted values shall be done in totality for all the stations as one lot. The offered bid price shall be same for all stations as one lot and all locations will be allotted to highest bidder as a lot under terms and conditions of the license agreement under this contract.	Can licensee bid for Individually for all the stations? Because Some of the stations that are above the ground level may have good network coverage provided by nearby towers and may not require any additional infrastructure.	Refer reply at Sl. no. 28
62	8.a	25	8.a	The first quarterly fixed license fees/space rent, would become payable to the BMRCL, prior to taking of possession as detailed in this tender document i.e. within 15 days of issue of letter of acceptance. Thereafter, the Fixed license fees/space rent would be payable in quarterly installments in advance, before last working day of the running quarter. The license fees/space rent payable would be, as detailed in the financial bid statement.	Payments should be changed from quarterly advance to monthly advance. The payment should start from the date of Operation (On Air) by Operator	Refer reply at Sl. no. 26
63				General	BMRC plz confirm that which type of Leaky Cable clamps have been installed by BMRC for mobile coverage inside the tunnel.	Clamps of size 1-5/8" (Metallic) have been provided for leaky cable.
64	ANNEXURE-A	61	ANNEXURE A	Space for towers	In case of Elevated metro stations, please specify the exact outdoor tower sites space as not mentioned in any clause of tender document.	The outdoor location for tower shall be identified as per requirement of Licensee subject to technical suitability.
65				General	if we are planning for an Outdoor equipment Pad, than what will be the maximum space, we can utilize.	Refer clause 15 of General terms and conditions of License Agreement, at page 56.

Sl. No.	Section	Page No.	Clause No.	Brief Description of clauses in Tender	Query	BMRCL Clarifications
66	8. b)	25	8. b)	The fixed license fees / space rents, cable tray charges, other maintenance charges and Security Deposit will be escalated by 20% after completion of every three years, on compounding basis.	Maintenance charges & Security Deposit should be remain same for the whole duration of license	No change in the clause
67	General Terms and conditions for provision of Electricity in Elevated Section.	68	b	The power supply will be extended by licensee from BMRCL's distribution boards which are located in station premises. The length of cable etc., to be provided by the licensee from distribution board (to be nominated by BMRCL) shall depend upon location of his shop/stall/kiosk.	As standard practice BMRCL should provide uninterrupted 3-Ph power inside the equipment room or at tower location and single phase ninterrupted power tapping point inside the tunnels for Repeater/Remote Unit. BMRCL also confirm the EB avaiability per day in hrs and maximum break down hrs in a day with frequency.	No change in the clause.
68		68		Shut downs	Request to BMRCL to share the Maximum no. of planned and unplanned shut downs with respect to EB	For power supply provided by BMRCL, care is taken to ensure least interruptions.
69				Access	BMRCL plz confirm the what will be the Working hours (for implementation work).	In the tunnel and platform areas about 4 hours of working time during night will normally be available. In remaining station areas, work can be carried out any time without causing inconvenience to the paasenger movement and operational activities after obtaining Permit To Work (PTW).
70		72		Approved makes for cables	Request to BMRCL to share List of approved makes for cable to be used	Licensee will submit to BMRCL the details of technical specifications of proposed cables for approval. The cables are required to meet the specifications as mentioned in clause 15 of General Terms and Conditions of Agreement, page 56.
71				Approved contractors	Request to BMRCL to share List of approved makes for contracttors.	Refer reply at Sl. No. 70
72				Indoor & Outdoor Site	Is there any additional approval or permission required if we are planning for an indoor & outdoor site.	Refer clause 4.0 of General Terms and Conditions of Agreement, page 51 and refer sl. No. 6 of Corrigendum-1.
73				Statutory approvals/certificates	Request to BMRCL to share List of statutory approvals / certificates required by BMRCL regarding our site.	BMRCL is only renting out the space. Licensee is required to comply with all the necessary statutory/regulatory requirements for providing mobile/ Wi-fi Coverage/ services.
74		74		Earthings	We have to provide separate earthening or we can share earthing with the said copper strips.	Refer reply at Sl. No. 13
75				Wifi	Is the Wi-Fi is mandatory for the bidding.? Since Wi-Fi Capex is not justifying for any Service provider.	No change in the clause.
76				Wifi	In our past experiences, we have seen that Wi-Fi Business which is not even yielding 2~3% of returns on Investment. The Same Wi-Fi can be achieved through GSM and IBS solutions. So we are requesting you to support in this context to exclude the Wi-Fi as mandatory clause from the Tender .	No change in the clause
77				Space (Indoor / Outdoor)	Hope in this RFP space utilization is uniform cost per sq mtr(comprehensive solution – IBS &OD).	Refer to clause 15 of General Terms and Conditions of Agreement, page 56 for charges of additional space requirement for utilities and refer sl. No. 6 of Corrigendum-1.
78				DAS for Multi Sharing	We understand this RFP planned for multi sharing whoever is going to be the successful bidder on exclusive basis	Refer Sl. No. 10 of Corrigendum-1. Regarding use of licensed premises, refer the Section 'General terms and conditions of Agreement.

Sl. No.	Section	Page No.	Clause No.	Brief Description of clauses in Tender	Query	BMRCL Clarifications
79				Outdoor Space for tower/pole at UG Stations	Is there any alternative provision for Outdoor sites at the underground stations.	No. There is no space available for outdoor sites at Underground stations.
80				BMRCL Civil Team Confirmation for Tower / Pole installation feasibility	Would you provide any confirmation & Concurrence with your Civil planning team for the Outdoor sites feasibility.	Refer para 7 of General terms and conditions, page 52 and 5 of Bid Application Form page 33.
81				Indoor Space	Whether the said Indoor space in the tender is maximum availability of Space..?	The request for additional space by successful bidder at particular locations will be considered subject to availability.
82				Indoor Space	Whether indoor space indicated in station are to be considered as a mandatory space which we are suppose to bid..?	Yes. Tenderer has to bid for the entire space as mentioned in Annexure-A.
83				Rental for Space	Whether instead of indoor space can we take outdoor space wherever feasible...? if so whether the rental would be for only for outdoor space or put together(Indoor space mentioned in the tender document & Outdoor space utilized..?)	Refer to clause 15 of General Terms and Conditions of Agreement, page 56 and Sl. No. 6 of Corrigendum-1.
84				Wifi	Wi-Fi is not a good business proposition for us as considering the Capex. Is there any exclusivity on that?	No change in the clause
85					Post awarding the tender to the successful bidder and after providing all the necessary approvals from BMRCL end we need min. 90 days' time for the project execution.(From Survey to RFAI)	Refer Sl. No. 5 of Corrigendum-1
86					Do they permit to install the active equipment's at Tunnel? Technologies like 3G and4G continuous coverage can be ascertain only by deploying the active equipment at tunnel wherever the tunnel stretch is more than 500 to 600Meter.	Refer reply at Sl. no. 2
87					Request to modify para 1.2 of the Technical Requirements of having Average annual financial turnover of Rs. 5,00,00,000/- for last 3 years to "Networth of Rs. 5,00,00,000/-".	No change in clause.
88					Is the eligibility criteria mandatory and are there any change in it	No change in clause.

A S Shankar
CE(S&T) BMRCL

**Annexure-1
(Details of Tunnel lengths)**

East West Tunnel (2 Tunnels in parallel)

From	To	1 Tunnel Approximate Distance in Mtrs	Station	Station Platform Approximate Length in Mtrs
East Ramp	Cubbon Park	628	Cubbon Park	165
Cubbon Park	Dr. B R Ambedkar Station, Vidhana Soudha	596	Dr. B R Ambedkar Station, Vidhana Soudha	165
Dr. B R Ambedkar Station, Vidhana Soudha	Sir M Visveshwaraya Station, Central College	831	Sir M Visveshwaraya Station, Central College	165
Sir M Visveshwaraya Station, Central College	Kempegowda Station, Majestic	1139	Kempegowda Station, Majestic	235
Kempegowda Station, Majestic	North Link line (1Tunnel)	246	Pocket Track	150
Kempegowda Station, Majestic	City Railway Station	433	City Railway Station	165
City Railway Station	West Ramp	322		

North South Tunnel (2 Tunnels in parallel)

From	To	1 Tunnel Approximate Distance in Mtrs	Station	Station Platform Length in Mtrs
South Ramp	City Market	392	City Market	242
City Market	Chikpete	435	Chikpete	204
Chikpete	Kempegowda Station, Majestic	740	Kempegowda Station, Majestic	245
Kempegowda Station, Majestic	North Ramp	955		