

MUMBAI CENTRAL DIVISION, WESTERN RAILWAY

Recommendations of Audit carried out by IIT Bombay and inspection of Railway for FOBs in Churchgate- Virar section & Action Taken as on 31-04-2021

For any safety related observation, please call /SMS :9004499270

Sr. No.	FOB Old name	FOB New Name	Date of Detailed Inspection	Date of Report Submission	Major Recommendations of IIT audit report	Action Taken	Status of Structure
1	Wankhede(S)	Mumbai Cricket Association FOB Wankhede(S)	7/12/2018	4/22/2019	1. The construction under the staircase should be removed. 2. The bridge should be replaced within a year. 3.The bridge should be repaired " On Urgent Basis".	1. The staircases are maintained by MCA. The Audit report has been sent to Mumbai Cricket Association on 16.05.2019 for taking necessary action as mentioned in IIT report. 2. Necessary repairs ensuring safety have been carried out in past. The structure is safe for usage. However, MCA have been advised for replacement of FOB within 1 year. 3. The major repairs have been carried out by MCA. 4. Replacement of Old deteriorated RCC precast Deck Slab by MS chequered plate, cross bracing, strengthening the truss members & providing new roof covering in 2017. 5. The structures on east side underneath FOB have been removed. West side structures are there but inspection can be done.Now This FOB has been closed by Railway on 01-08-2020.	Safe
2	Wankhede(N)	Mumbai Cricket Association FOB Wankhede(N)	7/12/2018	4/22/2019	1. The construction under the staircase should be removed. 2. The bridge should be replaced within a year. 3.The bridge should be repaired " On Urgent Basis".	1. The staircases are maintained by MCA. The Audit report has been sent to Mumbai Cricket Association on 16.05.2019 for taking necessary action as mentioned in IIT report. 2. Necessary repairs ensuring safety have been carried out in past. The structure is safe for usage. However, MCA have been advised for replacement of FOB within 1 year. 3. The major repairs have been carried out by MCA. 4.Replacement of Old deteriorated RCC precast Deck Slab by MS chequered plate, cross bracing, strengthening the truss members & providing new roof covering in 2017. 5.Though the strcutures are there but inspection can be done.This FOB has been closed by Railway on 01-08-2020.	Safe
3	Hindi Vidhaya/B	MCGM Hindi Vidhaya Bhawan FOB	7/12/2018	4/22/2019	The bridge should be closed for traffic and demolished.The bridge is not sound.	The FOB was closed on 08/04/2019 by MCGM.Dismantling of FOB is completed . New FOB has been constructed on replacement account by Western Railway on Deposit terms.4m wide new FOB has been commissioned on 31-08-2020.	Old FOB is closed for public usage and dismantled and New FOB in lieu has been commissioned at same location .
4	MEL Elevated B/Office	Railway FOB Marine Line/1 (MEL/1)	7/12/2018	4/22/2019	1.The bridge can be repaired / rehabilitated. The bridge is not sound. 2. The bridge should be closed till its rehabilitation.	1. FOB was closed on 08-03-19 and major repairing / strengthening work were carried out by dismantling RCC roof covering & providing new steel covershed,The FOB was opened on 27-05-2019. 2. The staircase on PF no 4 was opened on 24-06-2019 for commuters after repairs of it's column of roof covering and epoxy grouting of staircase.The staircase of PF 2/3 is also repaired by polymer plaster & column and beam by epoxy grout.Earlier columns of staircase at PF 4 was strengthened by jacketing & Epoxy grouting in 2017. 3. The work of new FOB is sanctioned in 2019-20. The work is awarded.	Safe
5	MEL(M)	Railway FOB Marine Line/2 (MEL/2)	7/12/2018	4/22/2019	1.The bridge can be repaired / rehabilitated. The bridge is not sound. 2. The bridge should be closed till its rehabilitation.	1. The old FOB was closed on 08-06-2019 for dismantling. The dismantling work is completed. 2. 6.0m wide new FOB has been commissioned on 31-05-2019 on replacement account.	Old FOB is closed for public usage and it is dismantled and New FOB in lieu has been commissioned.
6	MEL(N)	Railway FOB Marine Line/3 (MEL/3)	7/12/2018	4/22/2019	The bridge rehabilitation should be carried out On Urgent Basis in 3 months and if the rehabilitation is not completed, the bridge should be closed till repairs. The bridge is not sound.	1.The columns on all platforms were strengthened by providing additional plates, angles and addl columns provided in staircase at PF1 in 2017-18.The exposed reinforcement was also repaired by polymer plaster. Thus the Urgent repairs have been carried out and FOB is safe. Now new FOB is commissioned on 24-04-2020 on replacement account. The dismantling of old FOB is also completed.	Old FOB is closed for public usage and it is dismantled and New FOB in lieu has been commissioned.
7	Mahatma Gandhi/M	MCGM Mahatma Gandhi FOB	7/12/2018	4/22/2019	The bridge should be maintained by quality coating system.	1. The FOB is in sound condition.The routine patch painting of structure to protect from corrosion has been carried out in railway portion. Proposal for quality coating as per recommendation of IIT Bombay has submitted. 2. Earlier replacement of old deteriorated RC deck slab by chequered plates and reconstruction of both side staircases (E/W) including painting of steel structure in 2017.	Safe
8	CYR(S)	Railway FOB Charni Road / 1 (CYR/1)	7/12/2018	4/22/2019	1. The condition of staircases on East & West side is not sound. Rehabilitation should be done" On Urgent Basis". It is recommended to close the staircases till repairs.	1. Staircase at PF -4 and PF 2/3 have been repaired by polymer plaster and providing additional plates below deck supported by angles. 2. Thus the urgent repairs have since been carried out. The FOB is Safe. 3. RCC deck slab of FOB has been replaced with chequered plate .	Safe

Sr. No.	FOB Old name	FOB New Name	Date of Detailed Inspection	Date of Report Submission	Major Recommendations of IIT audit report	Action Taken	Status of Structure
9	CYR(C)	Railway FOB Charni Road / 2 (CYR/2)	7/12/2018	4/22/2019	1. The rehabilitation should be done On Urgnt Basis in 3 month time. The bridge can be repaired / rehabilitated. The bridge is not sound.	1. Urgent repairs were identified on staircases at platform No.-4. These staircases (north & south) have been re-constructed and opened for users in 2019-20. The truss had already repaired in the past. The Bridge is now safe for usage. 2. The main columns of FOB at PF 4 is strengthened by providing extra plates in web and flange and replacing old deteriorated bracing system by new. The existing old office/ store etc demolished under the FOB . 3. The work of this FOB is sanctioned in 2019-20.The work is awarded.	Safe
10	CYR(N)	Railway FOB Charni Road / 3 (CYR/3)	7/12/2018	4/22/2019	The rehabilitation should be done On Urgnt Basis. The bridge can be repaired / rehabilitated The bridge is not sound.	1. Staircase (north and south) on platform No - 1 have been re-constructed and opened for commuters in 2019-20.The deck has also been strengthened on Platform no 4.The main columns of FOB at PF1 is strengthened by providing extra plates in web and flange and replacing old deteriorated bracing system by new one. 2. The existing old office/ store etc has been demolished under the FOB and staircase. Thus the urgent repairs have since been carried out. The FOB is safe for public usage. 3. Work sanctioned for rebuilding of the FOB.	Safe
11	Thakurdwar	MCGM Thakurdwar FOB	7/12/2018	4/22/2019	The rehabilitation should is required On Urgnt Basis.The bridge is not sound.	1. Urgent repairs to staircase on West side in jurisdiction of MCGM were identified. The Audit report has been sent to MCGM for immediate action in their portion. 2. The routine painting of structure to protect from corrosion in Railway portion is completed in the month of Oct. 2019. 3. The FOB was closed by MCGM on 24/07/2019 for public use.	Railway portion Safe, Road portion closed by MCGM, work is in progress by MCGM.
12	GTR(S)	Railway FOB Grant Road / 1 (GTR/1)	7/12/2018	4/22/2019	1. Remove the structures constructed under the bridge on East side for inspection and repairs. 2. The staircase should be closed. The bridge is not in sound condition. Repairs are required on " Urgent Basis".	1. The structures have been removed. However, the inspection has been done by removing the impediments. The FOB has already been repaired in the past. Extra 3mm thick MS Chequered plate provided over sleepery surface of existing MS Chequered plate. 2. Strenthening work of staircase is in progress. 3. The new FOB is commissioned on 22-10-2020.	Old FOB will be closed for public usage after connection with skywalk on PF 1 & PF 2/3 and old FOB is being dismantled and New FOB in lieu has been commissioned.
13	GTR(N)	Railway FOB Grant Road / 2 (GTR/2)	7/12/2018	4/22/2019	1. Remove the structures constructed under the bridge for inspection and repairs. 2. The staircase should be closed. The bridge is not in sound condition. Repairs are required on " Urgent Basis".	1. The structures are being removed. However, the inspection has been done by removing the impediments. 2. The major rehabilitation of main deck work has been completed by providing new chequered steel plates after dismantling of old RCC deck slab by closing structure in 2019-20. 3. The required urgent repairs have been carried out. Structure is safe for usage. 4. The work of this FOB is sanctioned in 2019-20.The work is awarded. 5.The FOB is closed & under dismantling.	Old FOB is closed for public usage and it is under dismantling .
14	BCT(S)	Railway FOB Mumbai Central/1 (BCT/1)	7/12/2018	4/22/2019	It should be rehabilitated in 3 month and if the repairs are not completed then the bridge should be closed till repairs. The bridge is not sound.	1.The urgent repairs were identified and Old RCC precast slabs were replaced with MS chequered plates on west span over DN/Local span in 2019-20. The required urgent repairs have since been carried out and the FOB is safe for public usage.The work of replacement of old slab by chequered plate is in progress. 2.The new FOB is commissioned on 29-09-2020.	Old FOB is closed for public usage and it is dismantled and New FOB in lieu has been commissioned .
15	BCT(N)	Railway FOB Mumbai Central/2 (BCT/2)	7/12/2018	4/22/2019	The bridge may be closed till rehabilitation. The bridge is not sound.	1)The new FOB already has been constructed and opened for passengers and the existing old FOB shall be closed as per IIT mumbai's recommendation. The strenthening work of old FOB in progress. The chequered plate at ends on Mumbai Central (Local) is in progress by cutting existing slab by diamond cutter. 2.The additional columns provided near down local to support the main truss girder in recent past & the truss of east span repaired by departmental in 2017-18. 3. The new FOB 10 m wide has already commissioned.	Safe (The portion of this FOB over local lines is closed for public usage)
16	MX	Railway FOB Mahalaxmi /2 (MX/2)	8/12/2018	4/22/2019	1. The bridge should be rehabilitated on Urgent Basis in 3 months and if this is not possible then the bridge should be closed till rehabilitatin. The bridge is not sound. 2. The booking office area is not sound and need urgent replacement/rehabilitation.	1The major strenghtning/repairs of FOB has been completed by providing new girders and opened for passenger use in 2019-20. 2. The recasting work of stair case(South) at plateform no. 1 & 2 is completed & opened for passengers. 3. The load of advertisement boards on elevated booking office were removed.Store room was also dismantled to offload elevated deck. The required urgent repairs have since been carried out and the Elevated deck is safe for public usage.	Safe
17	PL(M)	Railway FOB Lower Parel / 1 (PL/1)	8/12/2018	4/22/2019	The bridge requires repair On Urgent Basis. The Bridge is not sound.	The urgent repairs of attending to corroded members was identified. The work of removing corrosion and epoxy based painting has since been completed. The structure is safe with said attention.	Safe

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18	PL(N)	Railway FOB Lower Parel / 2 (PL/2)	8/12/2018	4/22/2019	The bridge is not sound. It is dilapidated condition and should be closed.	1. FOB was closed for dismantling on 30/04/19. The truss has been delatched. Dismantling work is in progress. 2. A new 10 m wide FOB has already commissioned by Railway on replacement basis.	Old FOB is closed for public usage and it is dismantled and New FOB in lieu has been commissioned.
19	PBHD(S)	Railway FOB Prabhadevi/1 (PBHD/1)	8/12/2018	4/22/2019	The bridge can be repaired / rehabilitation.The bridge required routine maintenance.	The routine repairs like patch painting has been done.The structure is safe with said attention.	Safe
20	PBHD(C)	Railway FOB Prabhadevi/2 (PBHD/2)	7/12/2018	4/22/2019	The bridge should be repaired On Urgent Basis.The bridge is not sound.	1.The routine repairs like patch painting and patch repair has been carried out. The structure is safe with said attention.The Elevated booking office has also been repaired thus making this elevated office safe for public usage. 2.The rebuilding of old staircase is completed & opened for passengers.	Safe
21	PBHD(N)	Railway FOB Prabhadevi/3 (PBHD/3)	8/12/2018	4/22/2019	The bridge should be repaired On Urgent Basis.The bridge is not sound.	The new west span was commissioned on 19-06-19. The old span of truss with south west old staircase has been dismantled.	Old FOB (west span)is closed for public usage and it is dismantled and New FOB in lieu has been commissioned.
22	PBHD -DDR	Army FOB	5/12/2020	5/25/2020	The bridge can be repaired / rehabilitated.The bridge required routine maintenance.	The routine painting of structure to protect from corrosion in railway portion was carried out. Thus the FOB is safe for public usage.	Safe
23	DDR(S) MCGM	MCGM Dadar FOB	8/12/2018	4/22/2019	1. The condition of RCC Deck Slab is precarious. It should be replaced with M.S. Plate immediately or close for traffic till repairs are completed. 2. The steel elements of Bridge Main needs rehabilitation On Urgent Basis.	1. Staircase at PF - 2/3 were closed, repaired and opened on 14/04/19. Now new staircase has been opened in lieu of old staircase. 2. The steel elements under Bridge deck were strengthened by providing additional cross bracings. 3.Re-building work of Ramp is completed and opened for passenger use on 13/01/2020. The replacement of old slab is in progress by providing chequered plate. 4. the new FOB is commissioned on 12-11-2020 in 6th line work.	Safe,Old FOB is closed over through & STA line for public usage and it is being dismantled and New FOB in lieu has been commissioned.
24	DDR(S)	Railway FOB Dadar/1 (DDR/1)	8/12/2018	4/22/2019	In our assessment we rate this bridge as unsafe. It should be closed for traffic with immediate effect till the bridge is fully rehabilitated including taking out of pins, examining them, greasing and replacing if required. The eye housing the pin should also be checked for any wear and tear and greased/replacement. The cost of rehabilitation of this bridge shall be more than the cost of new FOB, therefore it may be prudent to demolish it.	The FOB has been closed for passenger use as per recommendation of IIT on 14-05-2019 and dismantling work in progress.	Closed for public use & it is dismantled. New FOB will be constructed.
25	DDR(C)	Railway FOB Dadar/2 (DDR/2)	8/12/2018	4/22/2019	The bridge can be repaired / rehabilitated. The bridge require routine maintenance.	The work of epoxy painting is completed.The FOB is safe for public usage.	Safe
26	DDR(N) old	Railway FOB Dadar/3 (DDR/3)	8/12/2018	4/22/2019	The bridge requires repairing On Urgent Basis. The bridge is not sound.	The cantilever portion of main deck has been supported by additional angle brackets and plates. The polymer plaster has been carried out by removing loose concrete on staircases. The work of polymer grouting is in progress. However the bridge is safe.	Safe
27	DDR(N) New	Railway FOB Dadar/4 (DDR/4)	8/12/2018	4/22/2019	The bridge can be repaired / rehabilitated.The bridge required routine maintenance.	1. The routine painting of structure to protect from corrosion in railway portion was carried out. 2.The long life painting of middle span is carried out.Thus the FOB is safe for public usage.	Safe
28	DDR (N)	Railway FOB Dadar/5 (DDR/5)	8/12/2018	4/22/2019	The bridge can be repaired / rehabilitated.The bridge required routine maintenance.	The routine painting of structure to protect from corrosion in railway portion was carried out. Thus the FOB is safe for public usage.	Safe
29	DDR Terminal (S)	Railway FOB Dadar(T)/1 (DDR(T)/1)	8/12/2018	4/22/2019	The bridge needs repairing"On Urgent Basis".The bridge is not sound.	The painting of structure to protect from corrosion was carried out on supporting columns.The painting work is in progress.However the bridge is safe.	Safe
30	DDR Terminal (N)	Railway FOB Dadar(T)/2 (DDR(T)/2)	8/12/2018	4/22/2019	The bridge needs repairing On Urgent Basis.The bridge is not sound.	The painting of structure to protect from corrosion was carried out on supporting columns.The painting work was completed. The bridge is safe.	Safe
31	Matunga Road (south)	Railway FOB Matunga Road/1 (MRU/1)	10/14/2019	11/13/2019	The bridge required routine maintenance of steel members and RCC members	Patch painting of steel members are done and rank vegetation removed. Thus the FOB is safe for public usage.	Safe

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32	Matunga Road (Middle)	Railway FOB Matunga Road/2 (MRU/2)	10/14/2019	12/3/2019	The stone masonry ramp is Unsafe it should repaired/rehabilitated on Urgent basis	Rebuilding of ramp will be done by S&C. However cement grouting has been done departmentally. Thus the FOB is safe for public usage.	Safe
33	Matunga Road(North)	Railway FOB Matunga Road/3 (MRU/3)	10/14/2019	12/3/2019	Preventive maintenance	The Bridge requires routine maintenance and the necessary repairs have been planned. It is Safe for public usage.The old bridge has been dismantled.	Old FOB is closed for public usage and it is dismantled and New FOB in lieu has been commissioned.
34	Matunga Railway colony	Railway FOB between MRU-MM	10/14/2019	11/13/2019	The steel elements of the staircase portion need repairs/rehabilitation " On Urgent Basis"	The concrete of old staircase has already dismantled & closed for public usage. New FOB has been constructed by S&C. The old FOB has to be dismantled.	Old FOB is closed for public usage and to be dismantled and New FOB in lieu has been commissioned.
35	MM(S) MCGM	MCGM MRU-MM FOB (Sahunagar FOB)	8/12/2018	5/31/2019	The bridge should be closed till repairs.The staircase portion of the bridge is unsafe.	1.The north west side staircase was closed by MCGM on 19-03-2019 and strengthening work in completed by MCGM. The staircase has been opened for public.The strengthening of deck slab and painting was carried out in Railway portion.The old unsafe deteriorated OHE protection plate replaced by new galvanised plate in 2019-20.Thus the structure is safe for usage. 2. The new FOB is commissioned on 31-01-2020 in 6th line work.	Safe,Old FOB is closed over local, through & STA line for public usage and it is dismantled and New FOB in lieu has been commissioned.
36	Mahim(South) Railway	Railway FOB Mahim/1 (MM/1)	10/14/2019	11/13/2019	The steel elements of the staircase and need repairs/rehabilitation " On Urgent Basis"	The old RCC deck slab of N-truss over UP/DN Local lines including tiles replaced by 10mm MS Chequered plate and strengthening of N-Truss structure carried out.The painting work is completed.The west span has been opened for passengers on 21-01-2020.	Safe
37	Mahim(North)Railway	Railway FOB Mahim/2 (MM/2)	10/14/2019	11/13/2019	The bridge required routine maintenance.	Old staircase dismantled and rebuilt new one on PF-1 & opened for passengers on 11-01-2020.The painting of railing & staircase portion is completed.	Safe
38	MM Quadricon (N) MCGM	MCGM MM-BA FOB (Dharavi FOB)	9/26/2018	5/31/2019	The bridge should be Closed Till Repair/ Rehabilitation.The bridge is in Unsafe condition.	The bridge has been closed for public usage since 20-03-2019 by MCGM. Old FOB dismantled. New FOB is under construction in lieu of existing FOB. The column erected & girders launched.	Old FOB dismantled. New FOB will be constructed in lieu of existing FOB
39	Bandra (South)	Railway FOB Bandra/1 (BA/1)	10/15/2019	11/13/2019	The steel elements of the staircase columns and mild steel columns of old Bridge " Not Sound". It should be repairs/rehabilitation " On Urgent Basis". If it is not repaired within 3 months then bridge should be closed.	1. Patch painting of steel members are done and rank vegetation removed.Construction work of New FOB is in progress. 2.The staircase at PF no.2/3 & skywalk part at PF no. 4 repaired by polymer plaster.Now skywalk is closed and dismantled to facilitate the construction of new FOB.	Safe
40	Bandra (Middle)	Railway FOB Bandra/2 (BA/2)	10/15/2019	11/13/2019	The steel elements of the staircase columns and mild steel columns of old Bridge " Not Sound". It should be repaired on urgent Basis	1. Painting of steel members is in progress. Mild steel columns of old Bridge Dismantled by S&C Department. The additional staircase of 5.0 m wide has been constructed on east side & opened for passengers on 10-09-2019. It is required since old staircase is in dilapidated condition & due to heavy rush it can not be closed. After opening of new additional staircase, old staircase was dismantled & recasting of that staircase has been done & opened for passengers on 22-11-2019. 2. The new FOB is commissioned on 28-09-20.	Old FOB is closed for public usage and it is dismantled and New FOB in lieu at same location has been commissioned.
41	BA(C) old	Bandra(Central) Old FOB	12/8/2018	5/23/2019	The bridge should be Closed Till Repair/ Rehabilitation.The bridge is in Unsafe condition.	The bridge has been closed for public usage since 20-03-2019. Old FOB is dismantled. The new FOB is commissioned on 28-09-2020.	Old FOB is closed for public usage and it is dismantled and New FOB in lieu has been commissioned.
42	BA(N)	Railway FOB Bandra/3 (BA/3)	12/8/2018	5/23/2019	It should be Repaired/ Rehabilitated in 3 months time or closed till repairs.The bridge is in Unsafe condition.	The bridge has been closed for public usage since 07-04-2019. Old FOB has been dismantled on 30-04-2020 . Additional 5.0 m wide FOB has been constructed & opened for public usage on 07-04-2019. 2. The old staircase on PF no 1 & PF 4/5 is dismantled, the construction of new FOB is in progress.The column erected & girders launched.	Old FOB is closed for public usage and it is dismantled and New FOB in lieu has been commissioned. The work of additional 5m wide FOB is in progress.
43	MCGM (FOB) Between BA-Khar	MCGM (FOB) Between BA-Khar	10/15/2019	12/3/2019	The bridge can be repaired/ rehabilitated	1.The existing old deteriorated RCC deck slab replaced by MS Chequered plate & providing new roof covering, strengthening the columns of main FOB, staircases, ramp has been done. The polymer plaster of complete ramps & staircases of east & west side has also completed & providing plate with supporting angles to deck of ramp & staircase is completed. 2. The new FOB will be constructed in 6th line work on replacement account.	Safe

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44	MCGM KHAR(S)	MCGM Khar(S)	10/15/2019	11/13/2019	Repairing/ Rehabilitation of all RCC staircase, RCC columns, RCC beams and deck slabs should be removing plaster, patch repairs ...etc.	1.The existing old deteriorated RCC deck slab replaced by MS Chequered plate & providing new roof covering, strengthening the columns of main FOB and staircase has been done in 2017-18. 2.The work of rebuilding of 2.65m wide North East outside staircase has been completed & opened for passengers on 20-11-2019. 3.The work of rebuilding of 3.50 m wide South East outside staircase is in progress. 4.New FOB work in progress in 6th line work.	Safe
45	KHAR(S) Railway	Railway FOB Khar Road/1 (KHAR/1)	10/15/2019	11/13/2019	Mid steel column on platform No. 5/6 is not sound.it should be repair/rehabilitated on urgent basis.other Mid steel column should be repair/rehabilitated "within 03 months".	1. The strenthening of columns of staircases was carried out, the bridge is safe for public usage. 2. The work of this FOB is sanctioned in 2019-20.The work is awarded.	Safe
46	KHAR(M)	Railway FOB Khar Road/2 (KHAR/2)	12/8/2018	5/23/2019	The bridge should be Closed Till Repair/ Rehabilitation.The bridge is in Unsafe condition.	The bridge has been closed for public usage since 26-03-2019. Old FOB has already dismantled. New 6.0 m FOB is being constructed in lieu of existing FOB and opened for passenger use on 02/08/2019.	Old FOB is closed for public usage and it is dismantled and New FOB in lieu has been commissioned.
47	STC(S) MCGM	MCGM Santacruz FOB	9/27/2018	5/23/2019	The bridge should be Closed Till Repair/ Rehabilitation.The bridge is in Unsound condition.	The FOB was closed on 11-09-2018 for Major repairs. The FOB was opened after providing chequered plates of 6.0m wide by dismantling old concrete slab and re-constructing of all three staircases including roof covering. Thus the FOB is safe for public usage.	Safe
48	STC(S)	Railway FOB Santacruz/1 (STC/1)	9/27/2018	5/23/2019	The bridge should be repaired / Rehabilitated on urgent basis or closed and dismantled. The old bridge is in Unsound condition.	The work of repairs to 2.3m precast slab by providing I beam & chequered plate have been completed & opened for passengers on 19-11-2019. However, the Bridge is safe for public usage.	Safe
49	STC(N)	Railway FOB Santacruz/2 (STC/2)	9/27/2018	5/23/2019	The bridge should Repair / Rehabilitated "On Urgent Basis".The RCC element of bridge is "Unsound".	1.The polymer plaster below staircase on plateform 3/4 & west side completed. The balance has also planned, patch repairs has also done in the past thus this FOB is safe. 2. RCC deck slab is replaced by chequered plate. Work completed.	Safe
50	STC(N) New	Railway FOB (Santacruz/3) (STC/3)	12/5/2020	25-05-2020	Preventive maintenance	The Bridge requires routine maintenance and the necessary repairs have been planned. It is Safe for public usage.	Safe
51	STC-VLP	MCGM FOB at L.C.No.21	10/17/2019	11/13/2019	The stair case & Mild steel Columns of the bridge is Unasafe." On urgent basis "	FOB has been closed as New FOB has been commissioned since 13.09.19	Old FOB is closed for public usage and it is dismantled and New FOB in lieu has been commissioned.
52	VLP(S)	Railway FOB Vileparle/1 (VLP/1)	9/27/2018	5/23/2019	The bridge should repair / rehabilitation. On urgent bais. The deck slab is unsafe and should be closed and replaced / rehabilitated or replaced with MS plates.The bridge is unsafe for pedestrian traffic.	1.The bridge was closed on 8-4-2019 for major rehabilitation.The old slab was dismantled and new slab was constructed & the bridge(west two spans) was opened on 13-07-19.Thus the bridge is safe. 2.The construction of two new east spans have been completed & opened for passengers om 13-09-2019.The east span including staircase has been dismantled. 3.The work of this FOB is sanctioned in 2019-20.The work is awarded & in progress.	Safe
53	VLP(M)	Railway FOB Vileparle/2 (VLP/2)	10/16/2019	11/13/2019	Strengthening of columns by providing steel plates and protective coating of new FOB as durability " On Priority basis. "	1. The west side column footing has been strengthened.The polymer plaster has been carried out over PF no 1.The complete painting of columns has been carried out between UP/Harbour & DN/Local. 2. The East side staircase vertical post of roof covering has been strengthened by welding. 3.The edges of main FOB over DN harbour has been repaired by providing angle & plate followed by micro concrete. 4. The Bridge is safe for public usage.The work of new FOB is in progress in lieu of this FOB.	Safe
54	VLP(N)	Railway FOB Vileparle/3 (VLP/3)	10/15/2019	11/13/2019	Preventive maintenance	The complete painting has been done in January 2020. It is Safe for public usage.	Safe
55	ADH(S)	Railway FOB Andheri/2 (ADH/2)	10/16/2019	11/13/2019	RCC staircase and slab is "Unsound" at PF No. 4 and 5, Edges of RCC Deck. " On urgent basis "	1.Staircase at PF No. 4 and 5 has been repaired with polymer modified plaster. 2.The edges of main FOB over local & through lines has been repaired by providing angle & plate followed by micro concrete. 3.The urgent repairs have been taken up. However, the Bridge is safe for public usage.	Safe

Sr. No.	FOB Old name	FOB New Name	Date of Detailed Inspection	Date of Report Submission	Major Recommendations of IIT audit report	Action Taken	Status of Structure
56	ADH (M)	Railway FOB Andheri/3 (ADH/3)	9/28/2018	5/23/2019	The bridge should be repair/Rehabilitation "on urgent basis".The bridge is Unsound.	1.Painting of steel members is in progress. Painting was done and rank vegetation removed. The polymer plaster on staircases on PF no 4/5 & 6/7 has been carried out in December 2019. 2.The new FOB on replacement account has been opened for passengers on 30-11-2019.	Old FOB is closed for public usage and it is dismantled and New FOB in lieu has been commissioned.
57	ADH(N)	Railway FOB Andheri/4 (ADH/4)	10/16/2019	11/13/2019	Durability Repair, Preventive Maintenance	The edges of RCC staircases on different platforms was repaired using epoxy putty. The bridge require routine maintenance.The bridge is safe for public usage	Safe
58	ADH(North) MCGM	MCGM ADH-JOS FOB/1	10/18/2019	12/3/2019	Steel element of the stair need to be repaired " On Urgent basis "	The strenthening of staircase will be taken up. The bridge is safe for public usage.The east side two spans were closed for dismantling.The new FOB has been commissioned in lieu of old east side two spans on 31-07-2020.	Old East side two span FOB is closed for public usage and it is dismantled and New FOB in lieu has been commissioned.
59	ADH-JOS	MCGM Amboli Phatak	10/17/2019	11/13/2019	The steel elements of staircase portion need repair/rehabilitation " On Urgent Basis "	The complete painting has been done in July 2020. It is Safe for public usage.	Safe
60	JOS(S) FOB with elevated booking office	Railway FOB Jogeshwari/1 (JOS/1)	10/16/2019	11/13/2019	Preventive maintenance	The Bridge requires routine maintenance and the necessary repairs have been planned. It is Safe for public usage.	Safe
61	JOS(S)	Railway FOB Jogeshwari/2 (JOS/2)	9/28/2018	5/23/2019	The bridge should be repair/Rehabilitation on urgent basis.The old bridge is Unsound.	1.The patch painting , strengthening of Staircase on platform 1/2 done by epoxy mortar, grout and additional support provided to make it safe. 2.The additional 1.2m wide staircase has been provided to ease out passenger rush on old staircase on 15-08-2019. 3.The old staircases at PF 1/2 & PF 3/4 has been dismantled.The work of new staircase with double discharge is completed on PF 1/2 in Feb 2021.	Safe
62	JOS(M)	Railway FOB Jogeshwari/3 (JOS/3)	8/5/2020	25-05-2020	Preventive maintenance	The Bridge requires routine maintenance and the necessary repairs have been planned. It is Safe for public usage.	Safe
63	JOS(N)	Railway FOB Jogeshwari/4 (JOS/4)	10/16/2019	11/13/2019	Preventive maintenance	The Bridge requires routine maintenance and the necessary repairs have been planned. It is Safe for public usage.	Safe
64	RMAR(S)	Railway FOB Ram Mandir/1 (RMAR/1)	8/5/2020	25-05-2020	Preventive maintenance	The Bridge requires routine maintenance and the painting have been planned. It is Safe for public usage.	Safe
65	RMAR(N)	Railway FOB Ram Mandir/2 (RMAR/2)	8/5/2020	25-05-2020	Preventive maintenance	The Bridge requires routine maintenance and the painting have been completed. It is Safe for public usage.	Safe
66	JOS-GMN	MCGM Jawahar Phatak	10/17/2019	11/13/2019	preventive maintenance	The Bridge requires routine maintenance and the necessary repairs have been carried out. It is Safe for public usage.	Safe
67	GMN(South)	Railway FOB Goregaon/1 (GMN/1)	10/17/2019	11/13/2019	Steel columns are "Not Sound" especially on Platform No. 6/7. " On Urgent Basis "	The complete painting of steel columns is completed in June 2020.Thus the FOB is safe for passenger usage.	Safe
68	GMN(Middle)	Railway FOB Goregaon/2 (GMN/2)	10/17/2019	11/13/2019	The staircase column, mid steel column & staircase portion are not sound"On Urgent Basis"	1. FOB has been closed as New FOB has been comissioned since 30.12.19. 2.The old FOB was closed for dismantling on 11-01-2020. The east span with east side staircase was dismantled in June 2020. West & central span were dismantled in Dec.2020.	Old FOB is closed for public usage and it is dismantled and New FOB in lieu has been commissioned .
69	GMN(MCGM)	MCGM FOB Goregoan	10/17/2019	11/13/2019	Structural repair	1.The urgent repair of east side staircase was carried out by polymer plaster. It is Safe for public usage. Now this staircase was dismantled & work of new staircase is in progress.	Safe
70	GMN(N)	Railway FOB Goregaon/3 (GMN/3)	10/17/2019	11/13/2019	The staircase and mild steel columns of the bridge is Unsafe. " On Urgent Basis "	New staircase has been constructed in lieu of old staircase with skywalk and commissioned since 13/10/2019.The old skywalk with staicase was closed & dismantled in April 2020.	Safe
71	GMN(N) New	Railway FOB Goregoan/4 (GMN/4)	8/5/2020	25-05-2020	Preventive maintenance	The Bridge requires routine maintenance and the necessary repairs have been planned. It is Safe for public usage.	Safe
72	Chincholi Phatak MCGM	MCGM FOB GMN-MDD/1	10/18/2019	12/3/2019	Preventive maintenance	1.The improvement to floor of main FOB including staircases has been carried out in 2019-20. 2. The painting work is in progress. 3. The Bridge requires routine maintenance and the necessary repairs have been planned. It is Safe for public usage.	Safe

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73	MCGM (S)Rani Sati Marg	MCGM FOB GMN-MDD/2	10/18/2019	12/3/2019	East side R.C.C. Staircase need to be repaired/Rehabilitated on " Urgent basis "	As East side staircase in MCGM land work will be done by MCGM. The toilet block below staircase has been dismantled by MCGM. The work of replacing staircase has been taken up by MCGM. The half portion of east side staircase has been opened for public. The balance portion of staircase is in progress.	Safe
74	MDD(S)	Railway FOB Malad/1 (MDD/1)	9/28/2018	5/23/2019	The bridge should be closed till repair/Rehabilitation for pedestrian use.The bridge is in "Unsafe" condition.	1. The bridge was closed for public usage since 21-06-2019. Dismantling work is completed in December 2019. 2. The new FOB has been commissioned on 28-12-2020.	Old FOB is closed for public usage and it is dismantled and New FOB in lieu has been commissioned.
75	MDD(M)	Railway FOB Malad/2 (MDD/2)	8/5/2020	25-05-2020	Preventive maintenance	The Bridge requires routine maintenance and the necessary repairs have been carried out. It is Safe for public usage.	Safe
76	MDD(N)	Railway FOB N truss Pin type	9/28/2018	5/23/2019	The bridge should be closed till repair / Rehabilitation for pedestrian use.The bridge is in Unsafe condition.	The bridge was closed for public usage since 13-02-2019. The delauching of old truss was carried out in May 2020.	Old FOB is closed for public usage and it is dismantled and New FOB in lieu has been commissioned.
77	MDD (N)MCGM	MCGM FOB MDD(N)	10/18/2019	12/3/2019	Preventive maintenance	The FOB was closed on 30-03-2019 for Major repairs. The FOB was opened on 15-07-2019 after providing chequered plates of 5.0m wide by dismantling old concrete slab and strengthening of staircase including roof covering. Thus The Bridge is safe for public usage.	Safe
78	KILE(S)MCGM FOB	MCGM FOB KILE(S)	10/19/2019	12/3/2019	Preventive maintenance	1.The improvement to floor of main FOB has been carried out in 2019-20. 2.The complete painting has been done in December 2019. The replacement of chequered plate has been carried out in skywalk & east side span portion. The roof covering has also provided in June 2020. 3. The FOB is safe for public usage.	Safe
79	KILE(South)	Railway FOB Kandivali/1 (KILE/1)	10/19/2019	12/3/2019	Preventive maintenance	The Bridge requires routine maintenance and the necessary repairs have been planned. It is Safe for public usage.	Safe
80	KILE (C)	Railway FOB Kandivali/2 (KILE/2)	10/19/2019	12/3/2019	RCC Deck slab & staircases are to be repaired/rehabilitated on " Priority basis "	1.The column near base plate has been repaired by patch welding on PF no 4 including bracing. 2.The strengthening work of RCC deck edge is completed. However the bridge is Safe for public usage. 3. The recasting & providing additional support to staircase is completed at north side staircase on PF no1 in July 2020 & September 20 at South side staircase on PF no1 & north side staircase on PF no 2/3.The work of recasting of south side staircase on PF 2/3 is also completed & opened to passengers.	Safe
81	KILE(North)	Railway FOB Kandivali/3 (KILE/3)	10/19/2019	12/3/2019	Preventive maintenance	The Bridge requires routine maintenance and complete painting have been carried out. It is Safe for public usage.	Safe
82	BVI(S) New	Railway FOB Borivali/1 (BVI/1)	8/5/2020	25-05-2020	Preventive maintenance	The Bridge requires routine maintenance and the necessary repairs have been carried out. It is Safe for public usage.	Safe
83	BVI(South)Old	Railway FOB Borivali/2 (BVI/2)	10/18/2019	12/3/2019	Preventive maintenance	The rebuilding of staircase has been commissioned on 2-10-2019 including dismantling of old office below this staircase.	Safe
84	BVI MCGM FOB	MCGM FOB BVI(M)	10/18/2019	12/3/2019	Preventive maintenance	1.The improvement to floor of main FOB has been carried out in 2019-20. 2.The polymer plaster has been carried out on east side staircase. 3.The Bridge requires routine maintenance and the necessary repairs have been planned. It is Safe for public usage.	Safe
85	BVI(Middle)New	Railway FOB Borivali/3 (BVI/3)	10/18/2019	12/3/2019	Preventive maintenance	The Bridge requires routine maintenance and the necessary repairs have been planned. It is Safe for public usage.	Safe
86	BVI(N)	Railway FOB Borivali/4 (BVI/4)	9/28/2018	5/23/2019	The bridge should be repair/Rehabilitation on urgent basis.The bridge is unsound.	1.The column near base plate has been repaired by patch welding. The additional cross bracing to main columns,between girders has been provided. 2.The additional angle support has been provided below deck of staircases.The edges of main deck has been repaired by providing angle and plate in July 2020. 3.The Bridge requires routine maintenance and the necessary repairs is in progress. It is Safe for public usage.	Safe

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87	BVI-DIC MCGM	MCGM FOB BVI-DIC/1	10/18/2019	12/3/2019	RCC Deck slab & staircases are to be repaired/rehabilitated on Priority basis "	1.The improvement to floor of main FOB including staircases has been carried out in 2019-20. 2.The painting work is completed in May 2020 . 3. The Bridge is safe for public usage.	Safe
88	BVI-DIC MCGM	MCGM FOB BVI-DIC/2	10/21/2019	12/3/2019	Strengthening of columns by providing steel plates and protective coating.Preventive maintenance	1.The improvement to floor of main FOB including staircases has been carried out in 2019-20. 2.The painting work is completed in December 2019. 3. The Bridge is safe for public usage.	Safe
89	DIC	Railway FOB Dahisar/1 (DIC/1)	10/21/2019	12/3/2019	Preventive maintenance	1. The painting work is completed in November 2019. 2. The improvement to floor of main FOB including staircases has been carried out in October 2020. 3. The Bridge requires routine maintenance and it is Safe for public usage.	Safe
90	MIRA(South)	Railway FOB Mira Road/1 (MIRA/1)	10/21/2019	12/3/2019	Preventive maintenance	1. The roof covering has been replaced by Galvalume sheet incluing painting of roof covering truss.The Bridge requires routine maintenance and the necessary repairs have been planned. It is Safe for public usage.	Safe
91	MIRA (Middle)	Railway FOB Mira Road/2 (MIRA/2)	10/19/2019	12/3/2019	Steel & R.C.C. Of Deck & stair need structural repair on " Priority basis "	The Bridge requires routine maintenance and the necessary repairs have been planned. It is Safe for public usage.	Safe
92	MIRA(North)	Railway FOB Mira Road/3 (MIRA /3)	10/19/2019	12/3/2019	R.C.C.Deck & stair need structural repair " on Priority basis "(ii) E.B.O. R.C.C. required strengthening	1. The bracing work is carried out in west span in September 2020. 2. The Bridge requires routine maintenance and the necessary repairs have been planned. It is Safe for public usage.	Safe
93	MIRA-BYR MBMC FOB	MBMC FOB MIRA-BYR/01	10/21/2019	12/3/2019	R.C.C. Stair need durability repair	1.The improvement to floor of main FOB including staircases has been carried out in 2019-20. 2.The roof covering has been provided. The painting work is in progress. 3. The FOB is safe.	Safe
94	BYR (S)MBMC FOB	MBMC FOB MIRA-BYR/2	9/29/2018	5/23/2019	The bridge is in Unsound condition.	1.The improvement to floor of main FOB including staircases has been carried out in 2019-20. 2.The roof covering has been provided. The painting work is completed in April 2020. 3. The FOB is safe.	Safe
95	BYR(S)	Railway FOB Bhayander/1 (BYR/1)	9/29/2018	5/23/2019	The bridge should be repair/Rehabilitation on urgent basis.The bridge is in Unsound condition.	1.The two spans on East side and staircases were closed 3/5/2019 and old slab of main FOB dismantled. Chequered plates were provided & FOB was opened for passengers on 3/5/2019. The remaining bridge was also repaired in the past.The patch painting has been carried out. Thus the bridge is safe. 2.The work of new stainless steel FOB is in progress on replacement basis.	Safe
96	BYR(Middle)	Railway FOB Bhayander/2 (BYR/2)	10/21/2019	12/3/2019	Steel column of stair & main FOB need structural repair on " Priority basis "	The Bridge requires routine maintenance and the necessary repairs have been planned. It is Safe for public usage.	Safe
97	BYR(N)	Railway FOB Bhayander/4 (BYR/4)	9/5/2020	25-05-2020	Preventive maintenance	The Bridge requires routine maintenance and the necessary repairs have been planned. It is Safe for public usage.	Safe
98	NIG(S)	Railway FOB(South) N truss	9/29/2018	5/23/2019	The bridge should be Rehabilitated in 3 months time or closed till repairing /rehabilitation.The bridge is in "Unsafe condition.	The bridge was closed for public usage since 13-04-2019. It was dismantled in May 2020. New FOB in lieu has been commissioned.	Old FOB is closed for public usage and it is dismantled and New FOB in lieu has been commissioned.
99	NIG(north)	Railway FOB Naigaon/2 NIG/2	10/22/2019	12/3/2019	R.C.C. Deck need repair on " Priority basis "	1.The strenthening work of RCC deck edge has been completed by providing angle & plates followed by micro concrete in October 2020. 2.The improvement to floor of main FOB has been carried out in 2020-21. The repairs to staircase on PF 4 has been carried out. 3.The Bridge requires routine maintenance . However, It is Safe for public usage.	Safe
100	BSR(South)	Railway FOB Vasai Road/1 (BSR/1)	10/22/2019	12/3/2019	Preventive maintenance	1.The Bridge requires routine maintenance and the necessary repairs have been planned. It is Safe for public usage.	Safe
101	BSR(Middle)	Railway FOB Vasai Road/2 (BSR/2)	10/22/2019	12/3/2019	The bridge should be repair/Rehabilitation on " urgent basis ".	1. The polymer plaster of RCC deck & east side staircase has been carried out. 2. The additional cross bracing to girder has been provided. 3. The structure below staircase on PF no 2/3 has been dismantled & column has been strenthened by providing additional plate. 4. The patch painting of steel structure has been carried out. 5.The bridge is safe for public usage. 6.The new FOB is commissioned on 30-09-2020 on replacement account.	Old FOB is being closed for public usage and it is being dismantled and New FOB in lieu has been commissioned.

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102	BSR(North)	Railway FOB Vasai Road/3 (BSR/3)	10/22/2019	12/3/2019	Steel column of stair & main FOB need structural repair on " Priority basis "	1.The column near base plate has been repaired by patch welding including bracing. 2.The Bridge requires routine maintenance and painting is completed in Feb.2020. It is Safe for public usage.	Safe
103	BSR(N)	Railway FOB Vasai Road/4 (BSR/4)	9/5/2020	25-05-2020	Preventive maintenance	The Bridge requires routine maintenance and the necessary repairs have been planned. It is Safe for public usage.	Safe
104	BSR-NSP	Railway FOB Nallasopara/1 NSP/1	9/5/2020	25-05-2020	Preventive maintenance	The Bridge requires routine maintenance and the necessary repairs have been planned. It is Safe for public usage.	Safe
105	NSP(South)	Railway FOB Nallasopara/2 (NSP/2)	10/22/2019	12/3/2019	Preventive maintenance	The Bridge requires routine maintenance and the necessary repairs was carried out by providing wind tie & S.S. pipe in May 2020. It is Safe for public usage.	Safe
106	NSP(M)	Railway FOB Nallasopara/3 (NSP/3)	10/22/2019	12/3/2019	Steel column of stair & main FOB need structural repair on " Priority basis "	1. The Bridge requires routine maintenance and the necessary repairs have been planned. It is Safe for public usage. 2. The roof covering has been replaced by Galvalume sheet in place of asbestos sheet in May 2020.The protection sheet has been replaced.	Safe
107	NSP(N)	Railway FOB (North) N truss	9/29/2018	5/23/2019	The bridge should be closed till repair/ Rehabilitation for pedestrian use.The bridge is in Unsafe condition.	The bridge was closed for public usage since 20-06-2019. It was dismantled in May 2020. New FOB in lieu has been commissioned.	Old FOB is closed for public usage and it is dismantled and New FOB in lieu has been commissioned.
108	NSP(N)	Railway FOB Nallasopara/5 (NSP/5)	9/5/2020	25-05-2020	Preventive maintenance	The Bridge requires routine maintenance and the necessary repairs have been planned. It is Safe for public usage.	Safe
109	VR(S)	Railway FOB Virar/2 (VR/2)	9/5/2020	25-05-2020	Preventive maintenance	The Bridge requires routine maintenance and complete painting have been carried out. It is Safe for public usage.	Safe
110	VR(M)	Railway FOB Virar/3 (VR/3)	9/5/2020	25-05-2020	Preventive maintenance	The Bridge requires routine maintenance and the necessary repairs have been planned. It is Safe for public usage.	Safe
111	VR(North)	Railway FOB Virar/4 (VR/4)	23-10-2019	3/12/2019	Preventive maintenance	The Bridge requires routine maintenance and complete painting have been carried out. It is Safe for public usage.	Safe