

SOUTH EASTERN RAILWAY

MEMORANDUM OF UNDERSTANDING BETWEEN PRINCIPAL CHIEF ENGINEER & CHIEF OPERATIONS MANAGER REGARDING WORKING OF TRACK MACHINES ON SOUTH EASTERN RAILWAY. 2007-08

1.0 MASTER PLAN FOR DEPLOYMENT OF TRACK MACHINES:

Deployment programme of all large Track Machines proposed to work in the different divisions of South Eastern Railway during 2007-2008 is furnished in Annexure 'A' & 'B'.

2.0 MONTHLY DEPLOYMENT PROGRAMME:

- 2.1 Divisions shall prepare machine deployment programme for each month keeping in view the annual programme provided by the HQ. No deviation is allowed without HQ permission. This exercise would be completed at least one week before the commencement of the month. Such deployment programme giving the details of work to be carried out, work spots, deployment of machines, details of block needed with timings, proposed speed restrictions etc. shall be jointly signed by Sr.DEN(Co) and Sr.DOM (Sr.DSTE/DSTE and Sr.DEE/DEE to be consulted wherever required). The joint programme should be put up to DRM for his prior approval after which copy of such programme shall be communicated to all concerned with a copy to DRM and concerned PHODs, concerned THODs, CTE and a copy to AGM. This detailed action plan should clearly stipulates the corridors in which Traffic Blocks are likely to be granted and also contain clear instructions on aspects like regulation of trains, single line working, provision of power for TRT, PQRS, Ballast trains, Rail unloading rakes etc.
- 2.2 The monthly programme shall be reviewed every Friday and a detailed programme for next week starting from Monday to Sunday shall be drawn once again integrating the works of S & T and Electrical wherever required.
- 2.3 In addition to above, the Department using the traffic blocks (Engg, S&T, Elec.) shall confirm in writing to the Divisional Control about the programme for next day. This information would be maintained in the divisional control office.
- 2.4 Availability of blocks as stipulated above will be reviewed every week by DRM and any short fall in traffic block will be made good in subsequent week, so as monthly target is fully achieved. Refusal to the planned block will not be done except with the approval of DRM.

3.0 ARRANGEMENT FOR POWERS:

CFTM and CTE shall issue a joint circular delineating the number of diesels and electric locomotives to be used in each division for undertaking engineering maintenance work. This would include nominated locomotives for TRT, PQRS etc.

4.0 TRAFFIC BLOCKS:

- 4.1 Railway Board has issued a Joint Circular signed by AM(CE) and AM(Traffic) vide no.98/Track-III/Tk/27 Dated 2-12-2002 for introduction of fixed time integrated corridor blocks for maintenance of assets. In pursuance to this circular, a joint circular of PCE and COM on fixed time integrated corridor blocks for maintenance of assets, has been issued, placed at Annexure 'D' for ready reference.

In pursuance to the directives given in the aforesaid Joint Circular by Railway Board for introducing the system of fixed time integrated corridor block, divisions have to ensure adherence to the following guidelines.

- i) All the traffic blocks for working of track machines will be in fixed corridor to be decided jointly by Sr.DEN(Co) & Sr.DOM.
- ii) Traffic blocks of minimum 4 hours or two blocks with a minimum duration of 2.5hours are to be granted every day.
- iii) These blocks will be granted during day or in the night as per the traffic pattern on the Division/Section except for working of TRT PQRS & T-28, machines which are utilised for renewal of track. However, all possibility should be explored to arrange block during day time for working of machines.
- iv) Division will issue detailed programme for each section every month where traffic block is to be granted. DRM will ensure that such detailed programme for fixed time integrated corridor block are planned jointly by Sr.DOM and Sr.DEN with the involvement of Sr.DSTE / Sr.DEE as per the work requirement and all concerned are apprised well in advance for maximum utilisation of traffic block.
- v) Other departments like Electrical & Signal will also plan and utilize these blocks for maintenance of their assets
- vi) Adequate communication facility should be available at machine site or other work site for effective utilisation of the traffic block. Machine should also be well equipped with communicator facility.
- vii) Whenever block has to be granted during nighttime, Division will ensure that adequate lighting arrangements are available at machine site/work site.
- viii) For monitoring traffic block and its utilisation, fortnightly position of availability of block and utilisation of track machines as per the enclosed proforma (Annexure 'D') duly signed by Sr.DEN and Sr.DOM will be advised by Division through DRM on 1st and 16th of every month on fax to Pr.CE and COM for apprising the position to Railway board.
- ix) Length of speed restriction at the site of work should not exceed 2.5 Kms. consisting of 0.5Km for 40 Km/h, 0.75Km for 60 Km/h and 1.25 Km for 75Km/h (except for TRT).

On a particular section, the total speed restrictions should not increase more than the time allowed under normal circumstances.

- x) The Engineering Control shall prepare a position about the blocks allowed and the work done, a copy of which should be given to the Chief Controller, DOM/Sr.DOM so that the progress of work during these blocks can be monitored.
- xi) The cases of block bursting, block not availed and machines out of order would also be reviewed by the DRMs.

4.2 Maintenance block of at least four hours duration should be granted every day under normal circumstances for machines such as CSM and BCM. For maintenance of points and crossings and turnouts, blocks of lesser duration in multiple spells may be granted. The emphasis should be on completing the targeted maintenance work which are given in Annexure 'D'. For double line sections, the following options are available:

- (a) 4 hours block on UP or DN line.
OR
(b) Two 2½ hours split blocks on UP or DN or both line.

For single line section, 2½ hours block in 2 spells except for BCM & TRT for which minimum duration of block should not be less than 4 hrs. under normal circumstances. The two split blocks should be arranged within 12 hours so that staff of same shift will complete the work.

- 4.3 For working of TRT train, which is planned in RNC and ADA division, traffic blocks as follows are required.

Day 1 : 04.00 hours blocks-TRT working.

Day 1/Day 2 : Empty rake to base depot and loaded rake to station near work site.

Day 2 : 04.00 hours block- TRT working.

- Repeat the cycle.

- 4.4 For PQRS machines, 4 hours blocks should be granted on alternate days.
- 4.5 DRMs should make all efforts to ensure provision of blocks as per the above stipulations, so as to achieve the target of progress, of machines given by Railway Board furnished at Annexure-C. All effort should be made to achieve the targets of progress of machines as per the target given in Annexure-C. If blocks cannot be granted on a day due to exigencies of traffic movement, the shortfall should be made up on subsequent days of the month.
- 4.6 Railway Board's letter No.99/safety (A&R)/1/25 dated 28.10.1999 and Joint Procedure Order issued there on by CE & COM vide No.206 dated 10.04.2000 are to be followed for single line working during traffic blocks. A copy of this JPO is furnished at Annexure 'E'.
- 4.7 As the stipulations regarding productivity and traffic block requirement for working of track machines remain same for every year, this MOU for 07-08 will remain in force till issue of new MOU for 08-09.
- 4.8 The stipulation of block hours for working of Track Machines is on minimum requirement basis i.e 4 Hrs per day in single spell or 2.5 Hrs in two spells per day for some machines. Blocks for longer duration may be planned without affecting traffic.

5.0 DEPLOYMENT OF TRACK MACHINES ON CRITICAL SECTIONS:

COM has identified following sections as critical section from traffic density point of view where machine deployment should not extend beyond the month of December.

Division	Critical sections
ADA	1. Chandil-Adra-Burnpur
CKP	1. TATA- Jharsuguda 2. Sini- Chandil
KGP	1. Mecheda-Kharagpur. 2. Kharagpur- TATA 3. PKU-HLZ.
RNC	1. MURI – HTE

The deployment of track machines on above mentioned critical sections is mostly up to month of December. It is imperative that traffic blocks as stipulated in the Annexure 'A' and 'B' are provided so as to achieve the targetted output by December and thus to avoid deployment of machines beyond December on critical sections.

6.0 STAFF DEPLOYED FOR MACHINE OPERATION

Engineering Branch will ensure timely arrangement of staff for working of the machines and for keeping the machine in good fettle to ensure optimum utilisation of the traffic block. Sufficient Track man and supervisors shall be deployed along with the machines to ensure pre- machine and post machine works on the track.

It may be necessary to provide blocks at night on some sections. Necessary arrangements for providing staff, illumination etc. shall be made by the division in time.

7.0 UNIMAT DEPLOYMENT - TRAFFIC BLOCKS - AUTHORISATION TO SS/SMs:

- 7.1 For tamping of turnout assembly a traffic block of 1hr. 30 min. is sufficient. It has been noticed that such small traffic block spells are available at the stations many a times. However, large chunk of times gets elapsed in seeking permission from the control for these small traffic blocks during which the available window of block vanishes.
- 7.2 For improving the productivity and output of Points and Crossing Tamping Machines, SS/SM of the station shall be authorised to give blocks for short duration i.e. 1.5 hours in spells after ascertaining the position of the trains from Section Controllers. Co-ordination between Engineering and S&T departments shall be ensured for tamping of turnouts. Division will issue **Joint Procedure Orders** for providing blocks of short duration keeping in view safety of train operation.

8.0 OUTPUT TARGET FOR TRACK MACHINES:

- 8.1 Division -wise target of progress for different track machines are indicated in the deployment plan of track machines placed vide Annexure "C". The target of productivity is based on rated output of machine and its stipulated block requirement which are as below:

Type of Machine	Target block hours per month per machine @ 4 hrs./day in single spell.	Target output per machine per month	Output per gross block hour (***)
1. CSM	120/150 hrs.(*)	110km.	0.9/0.73km.(*)
2. WST	120/150hrs.	As per progress of BCM/TRT/PQRS	
3. UNIMAT	120hrs.	100 T.O.	0.83 T.O.
4. DTS	120hrs.	110km.	0.91km.
5. RGM	120hrs.	300km-pass	2.5km-pass
6. BRM	120hrs.	100Km.	0.83km.
7. BCM	120hrs.	12km.	0.10km.
8. TRT	100hrs. (25 days working in a month).	16km.	0.16km
9. PQRS	64 hrs. (4 hrs. on alternate days)	5km	6 panels

10. UNOMATIC	120hrs./150hrs.(*)	As per progress of BCM/TRT/PQRS	
11. FRM-80 (SBCM)	120hrs. /150hrs.(*)	25km.	0.20km.
12. T-28	36hrs. (**)	12 T.O.	1 T.O. per 3 hours block

(*) When granted in two spells @ 2.5 hours per spell.

(**) @ 3.0 hours. Per day for 12 days in a month.

(***) Gross block excluded unusual detention.

WST – Work Site Tamper (DUO & UNO)

- 8.2 The position in respect of block given and output achieved should be reviewed and analysed by the divisions regularly and necessary follow up action to be taken to achieve the progress as stipulated above.
- 8.3 The days on which the machine would be under maintenance should be notified in advance so that blocks are not planned on those days. If a block is planned and offered and not availed because of some unforeseen reason, it should be recorded as a refusal to accept the block. Effort should be made to make up the shortfall on subsequent days, if traffic conditions permit.

Minimum transit time should be availed for shifting a machine from one location to another. If inter-divisional movement is involved, Sr.DENs of both divisions would co-ordinate with the Sr.DOMs to expedite the matter.

9.0 **CO-ORDINATION** : To ensure proper maintenance of the infrastructure required for efficient running of trains viz track, S&T gears & OHE, the concept of corridor block has already been introduced on Indian Railways. All the maintenance departments should plan their works in an integrated manner to arrive at the best usage of corridor blocks. Co-ordination among different maintenance departments is required to effectively utilise Integrated Corridor block (INCOB) for which each division must adhere to the following system.

- 9.1 ADRM of the division shall be the nodal officer to Co-ordinate INCOB. The nodal officer will Co-ordinate with other departments to ensure utilisation of block in the most productive manner.
- 9.2 The INCOB will be provided without fail at nominated timings as prescribed except on certain occasions when there is heavy disruption to traffic.
- 9.3 All concerned should meticulously plan their activities so that the object of carrying out the work within the planned period is achieved and bursting of blocks is avoided. This planning of traffic block hours should be communicated to all concerned so as necessary preparatory work by PWI and maintenance of machine by machine staff are done to avoid break down of machines during block.
- 9.4 Planning of blocks should be done in such a way that duplication of work is avoided. For example, the sequence of track works should be deep screening, ballasting and tamping. Similarly, when TRT machine is used, rails and sleepers should be changed together so that granting of blocks twice at the same location is avoided.
- 9.5 Electrical (TRD) and S&T branches of the divisions should also be associated when required, in the planning of these blocks to avoid any unforeseen problem during the block and also to avail the shadow blocks of these Engineering Blocks for their own works requiring Traffic Block.

- 9.6 When the block is likely to affect train running of adjoining divisions, Sr.DOM of the concerned division should be informed by the control through written message at least 24 hours in advance so that he can take appropriate action.
- 9.7 Telecommunication arrangement from site of work to control office should be made available to ensure imposition of INCOB without loss of block time.
- 9.8 The controller who looks after blocks, should co-ordinate timely shunting operations, imposition and cancellation of INCOB. It should be ensured that all shunting operations are completed in advance before actual block period commences.
- 9.9 Inspectors of various maintenance department who have to avail the INCOB, will give written requisition for daily block in the previous evening to control.

10.0. **MONITORING OF DAILY PERFORMANCE OF TRACK MACHINES:**

As directed in GM's D. O. letter No. TC/TM/progress (Board)/3170 dated 21/27.5.1997. DRMs should personally monitor the performance of Track Machines on day-to-day basis.

**PRINCIPAL CHIEF ENGINEER
SOUTH EASTERN RAILWAY
GARDEN REACH; KOLKATA-43.**

**CHIEF OPERATIONS MANAGER
SOUTH EASTERN RAILWAY
GARDEN REACH; KOLKATA-43**

Encl:-

Annexure 'A' - Annual plan for deployment of machine in ADA & CKP Division during the year 2007-08.

Annexure 'B' - Annual plan for deployment of machine in KGP & RNC Division during the year 2007-08.

Annexure 'C' - Division wise distribution of target.

Annexure 'D' - Joint Circular of PCE & COM on fixed time integrated corridor blocks for maintenance of assets on the lines of Joint Circular of AM/CE and AM/Traffic, Railway Board on the same.

Annexure 'E' - J PO for single line working.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : ADA

MACHINE	ASN-CNI																			
	ASN 323.43	BURN	DMA	MDKD	MDF	RKI	BERO	JOC	GRB	ANR	BGA	KSU	CHRA	PRR	TAO	KTD	URA	BBM	BRMD	NIM
** CSM-938	UP	Aug'07			Sep'07				Oct'07				Nov'07			Dec'07				
	DN	Aug'07			Sep'07				Oct'07				Nov'07			Dec'07				
* BCM-342,MP-2006,BRM-120,DGS-348,BCM-335,DUO-8038,BRM-113,DGS-355	UP	Oct'07	Oct	Nov'07				Nov'07			Nov'07			Nov'07						
	DN	Oct'07																		
UNI-8254	UP	Oct'07 - Feb'08																		
	DN	20	22	14	6	20	2	21	13	54	9	10	10	23	9	10	10	13	10	13
T-28(new)	UP																			
	DN															Dec	15th Nov		7	
FRM	UP																			
	DN																			
TSR	UP	M	3.53																	
	DN																			

* BCM-318 during apr'07 and BCM-342 & BCM-335 other months.

** CSM-903 will move to ADA Divn (from RNC Divn) For Jan - March-08

Legend

Manual = M

Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : ADA

MACHINE	ADA-GRB		ADA-JOC		DMA-KPK	ANR-RUI
	ADA 283.47	GRB 290.18	ADA 283.47	JOC 287.47	DMA 315.99	ANR 296.94
CSM-938	SL	Jul'07		Oct'07		
BCM	SL					
UNI	SL					
T-28	SL					
FRM	SL					
TSR	SL					M/C (Mar'07) 6 (TRT)

Legend
 Manual = M
 Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : ADA

MACHINE	ADA-MDN														Divn limit 129.3	MDN 128.17
	ADA 283.47	IBL	JPH	CJN	BQA	ODM	RSJ	VSU	PBA	GBA	CDGR	SLB	GSL			
CSM-938,CSM-903,DGS-391	UP	From 15th Jan'08		Feb'08				Mar'08								
	DN	Jan'08		Feb'08				Mar'08								
BCM-342,MP-2006,BRM-120,DGS-348,BCM-335,DUO-8038,BRM-113,DGS-355	UP		Apr'07		Aug	Sep'07	Oct'07	Feb'08	Jan'08							
	DN										Feb'08	Mar'08				
UNI-8254	UP	Aug'07 -Sep'07 (108)							Mar'08 (57)							
	DN	10	15	8	35	15	15	10	15	17	14	11				
T-28(New)	UP															
	DN	Mar'08														
FRM	UP															
	DN															
TSR	UP															
	DN															

Legend
 Manual = M
 Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : ADA

MACHINE	ADA-BJE-TLE-MHQ-GMO(GC)										BJE-MHQ(JC)					TLE-IPTN						
	ADA 283.47	SNKR	RUI	SNTD	BJE	SBW	TLE	MHQ	KNF	SER-LIMIT 354.46	GMO 362.43	BJE 313.17	SDMD	BCB	VAA	KRKN	MLQ	MHQ 343.97	TLE 325.35	BDIH	CHAS	IPTN 346.45
CSM-938,CSM-903,DGS-391	UP	Jan'08																				
	DN	Jan'08																				
BCM-335,DGS-355,DGS-348,DUO-8038,MP-2006,BCM-342,BRM-113	UP						Dec'07	Jan														
	DN																					
UNI-8254	UP	(124) Apr'07-May'07																				
	DN																					
T-28(New)	UP						6 (Jan'08)					5 (Jan'08)										
	DN																					
FRM-1875,1887	UP											Jan'08 - 15thFeb'08					15thFeb'08-Mar'08					
	DN																					
TSR	UP	M/C : Dec'06-Jan'07																				
	DN	6 (TRT)																				

Legend
 Manual = M
 Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : ADA

MACHINE	KSX-TKX				TKX 412.28	PRR-KSX				KSX 358.87	BBDA-DRGU				DRGU 360.62
	KSX 358.87	PNW	RDF	BKSC		PRR 322.64	GTD	CAS	GUG		BBDA 354.08				
CSM-938	UP	Jul'07													
	DN	Aug'07													
BCM-342,MP-2006,BRM-120,DGS-348,BCM-335,DUO-8038,BRM-	UP														
	DN	Dec'07													
UNI-8254	UP	53: Jun'07				63 : Jul'07									
	DN														
T-28(new)	UP														
	DN	1 6 5 Feb'08													
FRM	UP														
	DN														
TSR	UP														
	DN														

Legend
 Manual = M
 Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : CKP

SLJR-JSG																																	
SLJR 246.41	TATA	ADTP	GMH	SNY	MMV	RKSN	BRM	CKP	LPH	SWR	TUX	GOL	MXW	PST	MOU	JRA	BUL	BZR	BNDM	ROU	PPO	KLG	KXN	GP	SXN	SDGR	GPH	TGM	BMB	DIH	BEH	DTV	JSG 514.24

DUO-8077,DUO-8084,DGS-351	UP	Jun'07			May'07			Jul'07			Aug'07			Sep'07															
	DN	Jun'07			May'07			Jul'07			Aug'07			Sep'07															
BCM-366,BCM-318,UNO-8029,DGS-360,CSM-914,BRM-119	UP	Sep-Oct																											
	DN																								Oct				
UNI-8260	UP	May'07 - 15th Jul			16th Jul'07 - 15 th Oct																								
	DN																												
T-28(New)	UP																					Oct-15th Nov		3	4	6	4	3	2
	DN																												
FRM	UP																												
	DN																												
TSR	UP	M	2.8																										
	DN																												

Manual = M
Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : CKP

MACHINE	BNDM-BXF													BNDM-NXN		ROU-BRMP			
	BNDM 405.35		DMF	LTK		CJQ	CPE	PSJ		BUF	GAX		BXF473.93	BNDM 580.47	BGKA	NXN 560.92	ROU 412.86	QRS	KRMD
DUO-8077,DUO-8084,DGS-351	SL	Mar'08													Apr'07		Feb'08		
BCM	SL																		
UNI-8260	SL	Feb -Mar													Apr'07		Apr'07		
T-28	SL																		
FRM	SL																		
TSR	SL	M/C					M			M				M					
		5.8 (PQRS)					2.5			1.5				1.1					

Legend
 Manual = M
 Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : CKP

MACHINE	SNY-CNI				KND-GMH			
	SNY 405.5(via ADA)	KND	KZU	MIK	CNI 376.59(via ADA)	KND 271(Via TATA)	BIRP	GMH 260.12
DUO-8077,DUO-8084,DGS 351	UP	Apr'07			Apr'07			
	DN	Apr'07			Apr'07			
BCM-366,BCM-318,UNO-8029,DGS-360,CSM-914,BRM-119	UP	Jan'08	Feb'08	Mar'08				
	DN	Feb'08	Mar'08					
UNI-8260	UP	Jan'08			Jan'08			
	DN	Jan'08			Jan'08			
T-28	UP							
	DN							
FRM	UP							
	DN							
TSR	UP							
	DN							

Legend

Manual = M

Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : CKP

MACHINE	RKSN-BJMD											BJMD 388.23	BJMD-GX	BJMD-BYX	PDPH - JRLI	BJMD 388.23	BYX 463.84	JRLI 408.57						
	RKSN 291.59	PRSL	CBSA	SIPA	JNK	TABU	KNPS	MLKA	DPS	PDPH	NOMD	BJMD 388.23	BJMD 388.23	GX 396.71	BJMD 388.23	BBN	BYX 463.84	PDPH 371.61	DJHR	MMVR	BSPX	JRLI 408.57		
DUO-8077,DUO-8084,DGS-351	UP	Sep'07		Oct'07							Nov		Jan'08											
	DN	Sep'07		Oct'07,			Dec'07:BCM site			Nov														
BCM-366,BCM-318,UNO-8029,DGS-	UP								Oct	Nov	Dec		Jan'08											
	DN								Nov'07	Dec														
UNI-8260	UP	16th Oct-31th Dec																						
	DN	16th Oct-31th Dec																						
T-28(New)	UP				Apr-Jul				7	15	5	7		Aug-Sep	6		Aug-Sep	8	6					
	DN				Apr-Jul				7	15	5	6												
FRM-1875,1887	UP																							
	DN	74.9 (15th Oct,Nov,Dec)																						
TSR	UP																							
	DN																							

Legend
 Manual = M
 Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : CKP

MACHINE	BUF-KRBU					KRBU493.63	TATA-BMPR						BMPR338.56
	BUF 452.8	ROXY	RGZ	TPDH	KMPD		TATA 249.45	HLD	BDO	OND	RRP	KIJ	
TAMPING	SL												
BCM	SL												
UNI	SL												
T-28	SL												
FRM	SL												
TSR	SL												

Legend

Manual = M

Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : **KGP**

MACHINE	HWH	HWH-KGP																				KGP115.36								
		TPKR 2.66	DSNR	RMJ	SRC	MRGM	ADL	SEL	ABB	NALR	BVA	CGA	FLR	ULB	BSBP	KGY	BZN	GGTA	KIG	MCA	NDGM		BOP	NPMR	PKU	KHRI	HAU	RDU	DUAN	BCK
CSM-3X-3955 DUO-8055 DGS-383	UP	Jan'08				Feb'08				Apr'07								Jul'07 :Behind BCM & Maint.				Sep								
	ML	Jan'08				Feb'08				Apr'07																				
	DN	Jan'08				Feb'08				Apr'07								Jul'07 :Behind BCM & Maint.				Sep								
BCM-366,BCM-318,UNO-8029,DGS-360,CSM-914,BRM-119	UP																	May'07												
	ML																													
	DN																	Jun'07												
UNI8276	UP	Jan'08				Feb'08				Apr'07								Jul'07-Aug'07												
	ML	Jan'08				Feb'08				Apr'07																				
	DN	Jan'08				Feb'08				Apr'07								Jul'07-Aug'07												
T-28	UP																													
	ML																													
	DN																													
FRM-1875, FRM-1887	UP													73				Apr'07-May'07-Jun'07												
	ML																													
	DN																													
TSR	UP																													
	ML																													
	DN													M/C 4.2 (PQRS)				M 0.8												

Legend
Manual = M
Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : **KGP**

MACHINE	KGP-TATA															SLGR 246.4
	KGP 115.36	NMP	KKQ	KSO	SUA	JGM	KATD	GII	CKU	KKPR	DVM	GTS	GUD	RHE	ASB	
CSM-3X-3955 DUO-8055 DGS-383	UP	May'07							Jun'07							Jul'07
	DN	May'07							Jun'07							Jul'07
BCM	UP															
	DN															
UNI8276	UP	May'07							Jun'07							Jul'07
	DN	May'07							Jun'07							Jul'07
T-28	UP	Jun'07-Jul'07														
	DN	34														
FRM-1875, FRM-1887	UP	35 : Jul'07 - Aug'07														
	DN	35 : Jul'07 - Aug'07														
TSR	UP															
	DN															

Legend

Manual = M

Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : **KGP**

MACHINE	KGP-BHC																									
	KGP 115.36	HIJ	BPE	NYA	YKD	CKT	NSI	DNT	ANG	LXD	JER	RAT	ARD	BTS	NMBR	ROP	HIP	TKPL	BLS	NGRD	PNPN	KHF	BKBR	SFO	SZZ	MKO
CSM-3X-3955 DUO-8055 DGS-383	UP	Oct'07										Nov'07										Dec'07				
	DN	Oct'07										Nov'07										Dec'07				
BCM-366 BCM-318 UNO-8029 DGS-360	UP	Jul'07															Aug'07		5							
	DN	Jul'07															Aug'07									
UNI8276	UP	Oct'07										Nov'07										Dec'07				
	DN	Oct'07										Nov'07										Dec'07				
T-28	UP																									
	DN																			9(Sep)						
FRM-1875, FRM-1887	UP																			Sep						
	DN																			10						
TSR	UP																									
	DN																M 0.9		M 0.9			M 0.9				

Legend
 Manual = M
 Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : **KGP**

MACHINE	ROP-BGY																		
	ROP 213.19	TKN	JOL	BTR	JSE	BPO	BHRD	VZR	BWA	RJAL	BGY 302.22								
CSM-3X-3955,DUO-8055,DGS-383	SL	Aug'07																	
BCM	SL																		
UNI8276	SL	Sep'07																	
T-28	SL																		
FRM-1875, FRM-1887	SL																		
TSR	SL																		

Legend
 Manual = M
 Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : KGP

MACHINE		KGP-MDN				
		KGP115.36	GMDN	GKL	CSY	MDN 128.17
CSM-3X-3955 DUO-8055 DGS-383	UP					Mar'08
	DN					Mar'08
BCM	UP					
	DN					
UNI8276	UP					Mar'08
	DN					Mar'08
T-28	UP					
	DN					18(Aug)
FRM-1875, FRM-1887	UP					
	DN					
TSR	UP					
	DN					

Legend

Manual = M

Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : **KGP**

MACHINE	PKU-HLZ											
	PKU 70.67	RGX	RGA	SMTG	TMZ	KSBP	MSDL	BRDL	BYSA	DZK	SLPR	HLZ 139.67
CSM-3X-3955,DUO-8055,DGS-383	SL	Aug'07										
BCM	SL											
UNI8276	SL											
T-28	SL											
FRM-1875, FRM-1887	SL											
TSR	SL											

Legend

Manual = M

Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : **KGP**

MACHINE	SRC-AMZ													AMZ 52.05
	SRC 7.44	BKNM	ALTR	KONA	DNI	MDC	DJR	DKB	RAC	PTHL	MNH	MHLN	MJH	
Tamping	SL													
BCM	SL													
UNI8276	SL													
T-28	SL													
FRM-1875, FRM-1887	SL													
TSR	SL													

Legend
 Manual = M
 Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : **KGP**

MACHINE	TMZ-DIGHA											
	TMZ 94.6	NDKR	LSGR	DSPN	MEN	NCN	KATI	STLS	BGPA	RMRB	TKRA	DIGHA 188.44
CSM-3X-3955,DUO-8055,DGS-383	SL											
BCM	SL											
UNI8276	SL											
T-28	SL											
FRM-1875, FRM-1887	SL											
TSR	SL											

Legend
 Manual = M
 Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : RNC

MACHINE	HTE-MURI								
	HTE 425.44	RNC	NKM	TIS	GAG	GATD	KITA	SLF	
CSM-903,DGS-391	UP	Apr'07			May'07				
BCM-342,MP-2006,BRM-120,DGS-348,BCM-335,DUO-8038,BRM-113,DGS-355	UP	Jun'07			Jun'07		Jul'07		
UNI	UP	Nov'07 - Dec'07				Oct'07			
T-28(Old)	UP	65	41	18	15	10	7	9	
FRM	UP								
TSR	UP				M	1.26			
		HTE-MURI							
		HTE 420.5	RNC	NKM	TIS	GAG	JONA	KITA	SLF
CSM-903,DGS-391	DN	Apr'07			May'07				
BCM	DN						Oct'07		
UNI	DN					4			
T-28(Old)	DN	(Jan ,Feb)29	3	3(Dec)	3(Dec)	3(Nov)	3(Nov)	3(Nov)	
FRM	DN								
TSR	DN				M	4			

MURI 353.46

MURI 353.4

Legend
Manual = M
Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : RNC

MACHINE	MURI-CNI								
	MURI 353.46	ILU	TRAN	SSIA	TUL	LTMD	JHMR	CDGR	CNI 285.7
CSM-903,DGS-391	SL	Aug'07		Sep'07					
BCM	SL								
UNI	SL	60	6	12	10	6	8	9	12
T-28(Old)	SL	Oct'07		10	4	6(Apr)	6(Apr)		
FRM	SL								
TSR	SL								

Legend
 Manual = M
 Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : RNC

MACHINE	MURI-RMT							SER/ECR 408.67
	MURI 353.46	BLNG	SND	HRBR	GRE	BRKP	MAEL	
TAMPING	SL							
BCM	SL							
UNI	SL							
T-28(Old)	SL					10 (May)		
FRM	SL							
TSR	SL							

Legend

Manual = M

Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : RNC

MACHINE	HTE-NXN																
	THE 425.44	BLRG	LOM	KRRA	GBX	JGX	BKPR	PKF	PKC	KRKR	MCZ	BANO	KNRN	TAX	PBB	ORGA	NXN 560.92
CSM-903,DGS-391	SL	Nov'07								Jun, Jul & Oct'07							
BCM-342,MP-2006,BRM-120,DGS-348,BCM-335,DUO-8038,BRM-113,DGS-355	SL									Apr'07		May'07		Jun'07			
UNI	SL																
T-28	SL	Mar'08															
FRM	SL	4	4	4													
TSR	SL																

Legend
 Manual = M
 Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : RNC

MACHINE	RNC-LAD										
	RNC 418.48	AOR	PIS	ITK	TGB	NRKP		NUA	AMZ	IRN	LAD 484.04
CSM-903,DGS-391	SL	Dec'07									
BCM	SL										
UNI	SL										
T-28	SL										
FRM	SL										
TSR	SL										

Legend
 Manual = M
 Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

DIVISION WISE MACHINE DEPLOYMENT DURING THE YEAR 2007-08

DIVISION : RNC

MACHINE	MURI-KSX		
	MURI 353.46	THO	JAA
CSM-903,DGS-391	UP	Aug'07	
	DN	Aug'07	
BCM	UP		
	DN		
		Oct'07	
UNI	UP	3	14
	DN		12
T-28 (Old)	UP		
	DN		
FRM	UP		
	DN		
TSR	UP		
	DN		

Legend

Manual = M

Machine = M/C

Note: Monthwise deployment planning to be done at Divisional level, Deployment is based on monthly stipulated block hours & out put of the machine which may extend if block less than stipulated is given during the period.

Annexure 'C'

**TARGET OF TRACK MAINTENANCE AND TRACK RENEWAL WORK BY MACHINE
DURING YEAR 2007-2008**

Machine Division	BCM	SBCM	T-28	TRT	PQRS	TTM	UNI
ADA	163	75	56	-	-	789.53	724
CKP	126.1	74.9	109	-	5.8	1039.56	720
KGP	80	153	61	-	4.2	1097.34	720
RNC	81	-	101	-	-	397.25	337
CONST.	-	-	-	-	-	138	-
Total Annual Target.	450.1	302.9	327	0	10	3461.68	2501

SOUTH EASTERN RAILWAY

JOINT CIRCULAR

Sub:- Fixed time integrated corridor blocks for maintenance of assets.

To ensure productivity and optimum utilisation of assets, more so of costly track machines, Railway Board has issued a Joint Circular signed by Additional Member (Civil Engg. & Additional Member (Traffic) vide no.98/Track-III/Tk/27 Dated 2-12-2002 for introduction of fixed time integrated corridor blocks for maintenance of assets on Zonal Railways.

In pursuance to the directives given in the aforesaid Joint Circular by Railway Board for introducing the system of fixed time integrated corridor block, divisions have to ensure adherence to the following guidelines.

- i) Fixed time integrated corridor block will come into being with immediate effect.
- ii) Traffic blocks of minimum 4 hours or two blocks with a minimum duration of 2.5hours are to be granted every day.
- iii) These blocks will be granted during day or in the night as per the traffic pattern on the Division/Section. However, all possibility should be explored to arrange block during day time.
- iv) Division will issue detailed programme for each section every month where traffic block is to be granted. DRM will ensure that such detailed programme for fixed time integrated corridor block are planned jointly by Sr.DOM, and Sr.DEN with the involvement of Sr.DSTE/ Sr.DEE as per the work requirement and all concerned are apprised well in advance for maximum utilisation of traffic block.
- v) Other departments like Electrical & Signal will also plan and utilize these blocks for maintenance of their assets
- vi) Adequate communication facility should be available at machine site or other work site for effective utilisation of the traffic block. Track Machines should be well equipped with adequate communication facilities.
- vii) Whenever block has to be granted during night time, Division will ensure that adequate lighting arrangements are available at machine site/work site.
- viii) For monitoring traffic block and its utilisation ,weekly position of availability of block and utilisation of track machines as per the enclosed proforma. duly signed by Sr.DEN and Sr.DOM, will be advised by Division through DRM every Monday on fax to Pr.CE and COM for apprising the position to Railway Board.

- ix) Length of speed restriction at the site of work should not exceed 2.5 Kms. consisting of 0.5Km for 20 KMPH, 0.75Km for 50 KMPH, and 1.25 Km for 75KMPH (except for TRT).
On a particular section, the total speed restrictions should not increase more than the time allowed.
- x) The Engineering Control shall prepare a position about the blocks allowed and the work done, a copy of which should be given to the Chief Controller, DOM/Sr.DOM so that the progress of work during these blocks can be monitored.
- xi) The cases of block bursting, block not availed, and machines out of order would also be reviewed by the DRMs.

Pr.CE

COM

No.TC/TM/MOU/Pt-II/

Dated: 19-03-07

Re: Joint procedure order on Single line working for Engineering Blocks in double line sections.

Based on ED/Safety/Railway Board's letter no.99/Safety(A&R)/1/25 dated 28/10/1999 on the matter of single line working in double line working section for granting traffic blocks, J.P.O. for this railway is issued as follows:-

- 1.0 Corridor blocks have been provided in the working time table. It may be ensured that whenever machines are working in a particular section, these corridor blocks are meticulously provided. Refusal to give corridor block in an exceptional circumstances should be only with the personal approval of DRMs as already laid down.
- 2.0 Single line working should be reduced to minimum for providing traffic blocks.
 - 2.1 Temporary single line working should not be introduced for granting blocks of upto 5 hours duration. If corridor block allowed for a section falls short of 2.5 hrs duration, then detention of suitable train to allow block of 2.5 hrs. is to be planned by Sr.DOM of the concerned division.
 - 2.2 For granting blocks of 4 hrs or more duration, if detention to train is less than one hour then temporary single line working should not be introduced.
 - 2.3 For granting block of 4 hrs or more duration specially for TRT, BCM & PQRS machines or any special P-Way work if detention to Mail/Express is expected to be more than I hour, then TSL may be introduced subject to the following conditions.
 - a) All rules/instructions of temporary single line working as laid down in GR must be observed.
 - b) First train to go at 25 kmph and all Engg. Gateman en-route to be informed.

For providing planned traffic block of 4 hrs which necessitates introduction of TSL in a section ,2 posts of DTI and 2 posts of porters should be created in Track Renewal estimate. These staff will man the two stations between which temporary single line working has been planned. As it will take some time for creation of work charged post, requirement of DTI and porter should be arranged from the existing staff. Engineering department of the concerned division will initiate for creation for the said post.

-Sd-
COM

- Sd-
PCE