

**Railway Board's Orders on Agenda Items discussed during 7<sup>th</sup> meeting of Works Standards Committee, Held on 4<sup>th</sup> & 5<sup>th</sup> September 2014 at Goa**

SL	Agenda No.	Description of Item	Recommendation of 7 <sup>th</sup> WSC	Railway Board's order
1.	002/01/05	Strengthening of organisation for works at various levels	<p>Zonal Railways should go ahead for training of Artisans with CIDC (Construction Industry Development Council) by executing their own MoU with CIDC or any other training institutions.</p> <p>CPWD GCC's clause no. 19K, wherein the provision exists that works contracts should have a provision for contractors to engage at least 20% workers who have been trained by CIDC or similar training institutions may be difficult to implement in all contracts. In its place, longer period of maintenance will help in better quality of work by contractor.</p> <p>The contract should have longer period of maintenance say upto 3 years to have better quality of work.</p>	<p>(i) Zonal Railways should go ahead for training of Artisans through CIDC or any other suitable training institutions at their Zonal / Divisional Training Centers by executing their own MoU with them.</p> <p>(ii) Zonal Railways should include the longer period of maintenance in their contracts on case to case basis (preferably upto 3 years) for getting the better quality of work.</p>
2.	005/01/05	Review of Indian Railway Works Manual	<ul style="list-style-type: none"> <li>Railways may send their comments on draft IRWM to Sri N.C. Sharda (Convener of Sub-Committee) by 20<sup>th</sup> Sept 2014.</li> <li>Workload of SSE/ Works and JE/Works and its calculation method should also be made part of Works Manual. Northern Railway's circulars on</li> </ul>	<p>Recommendation of WSC are accepted.</p> <p>Sub-committee may incorporate the views received from Zonal Railways and submit the draft IRWM to Railway Board for approval early.</p>

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			water supply, chlorination and water treatment should also be suitably incorporated in IRWM.	
3.	006/01/05	Review of Provisions of IRWM & Engineering Code regarding Measurement	Members proposed that measurements by contractor should be permitted for contract ranging more than Rs. 50 lacs to 3.0 crore. Members also discussed if recording of measurement done by the contractor should be witnessed by Railway supervisor or not. About 75% payment of the contractor's bill should be released within 7 days of submission of bills and there should be a penalty clause for wrong measurement by contractor. Shri N. C. Sharda, SP/Track /IRICEN shall draw implementation methodology for measurements by contractor when measurement recorded by contractor is being permitted. Railways may give their feedback on level of tender and percentage of payment in such cases to Shri N.C. Sharda, SP/Track by Oct 2014.	Sub-committee should analyse the views received from Zonal Railways and submit their recommendation to Railway Board for approval.
4.	007/01/05	New Building Materials	This is a standing WSC item. Each Railway should actively participate and give quarterly input to the Standing Expert Group of USSOR in respect of new material and new NS item	WSC's recommendations are accepted.

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			<p>by uploading the same on IRICEN website. They should also send a detailed report to RDSO. The report should contain specification, plan, advantages &amp; cost benefit analysis.</p> <p>In case of new NS item, rate analysis should also be sent to RDSO with a copy to Railway Board.</p>	
5.	009/01/05	Rationalisation of yardstick for Works organization	<p>Sub-Committee made a brief presentation of their report in WSC. A comparison of expenditure of CPWD and Railways was presented on the basis of equated plinth area. Sub-Committee recommended adoption of CPWD system of annual action plan, ceiling limit for determining the maintenance work and comprehensive maintenance contract system</p> <p>Southern Railway should implement the proposed concept in their Railway and submit the report to Railway Board before next WSC.</p>	<p>WSC's recommendations are accepted.</p> <p>However, Rationalisation of Yardstick for Works Organization should be finalized and got approved. For outsourcing maintenance of Railway Colony on pilot basis, NR vide Board's letter, dated 19.09.14 have been asked to prepare detailed modalities and RFQ/RFP documents in consultation with associate finance for submission to Railway Board. NR should expedite submission of draft modalities and RFQ/RFP documents after which further directions in this regard will be considered.</p>
6.	018/02/06	Provision Of Green Building Concept in Indian Railway	<p>Committee noted that RDSO's report on Green Building concept has been accepted by Railway Board and the same has been circulated to Zonal Railways for their comments and suggestion, if any.</p>	<p>The guidelines should include model layouts of building keeping in view land plot orientation and land plot shape/size. In Indian context, heating is generally not required and our main</p>

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			The item may be closed.	requirement is for cooling of space. The design should be such which provides higher cooling inside the building. Measures for keeping top floor cool and regional considerations may also be kept in view.
7.	019/02/06	Change In System Of Maintenance Of Colony	<ol style="list-style-type: none"> <li>1. Inspection by CIGs be done once a year, in the first quarter of financial year. Representative of Engineering Department to be Convener for inspection by CIG.</li> <li>2. Railway Board has ordered to draft a Maintenance Manual on the lines of Maintenance Manual of CPWD. A sub-Committee consisting of Shri A.K. Sinha, CPDE/ SR (Convener), Shri J. K. Singla CPDE/SECR and Shri Kaushal Kishore, CE/TP/WCR who has already carried out exhaustive study on CPWD system of maintenance, may draft the Maintenance Manual.</li> <li>3. RDSO may circulate the service life of building assets to Zonal Railway for seeking their comments on the same.</li> </ol>	<p>The task of drafting Maintenance Manual on the lines of Maintenance Manual of CPWD was assigned to RDSO vide Board's letter no. 2014/LMB-II/1/1, dated 25.07.14. RDSO should expedite drafting of Maintenance Manual for built assets.</p> <p>Regarding Codal Life of various built assets, RDSO should expedite submission of its recommendation to the Committee appointed by Board vide Order, dated 14.03.14.</p>
8.	021/02/06	Prefabricated Buildings	RDSO has submitted the modified report incorporating prefab solutions available with the industry, cost benefit analysis for various	RDSO should modify the report incorporating the self supporting metal roofing system, RE Wall, modern form-

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			structures like staff quarters, cabins, platform shelters, workshop sheds etc. and list of leading manufacturers to Railway Board and the same is under consideration of Railway Board. Draft report is also available on RDSO and IRICEN website.  Railway Board may issue necessary instructions.	works etc.
9.	024/03/08	Development of Master Plans for Infrastructure Facilities at Stations & Colonies on Indian Railway	Committee noted that SCR has implemented one point control system at Vijayawada station. NR, SWR & WCR are yet to be implemented it.  Each Railway should carry out this work at atleast one station of their Railway. Smaller stations may be chosen for implementation of this concept by Dec 2014. Station name and target date should be advised to RDSO within a fortnight.	WSC's recommendations are accepted.
10.	025/03/08	Provision Of Tool Kit with Artisan Staff on Indian Railways	Tool Kit developed by RDSO is heavy. Possibility of reducing weight of Tool Kit may be studied by RDSO.	WSC's recommendations are accepted.
11.	034/04/12	Detailed guidelines for site order book, Material passing Register, quality of Cement & Steel	Sub-Committee has finalized and submitted the report to Railway Board.  Railway Board may issue further instructions.	WSC's recommendations are accepted.
12.	039/05/12	Provision of ramp on FOBs and at the end of platforms.	RDSO has issued drawing of FOB with single column and the same is also available on IRICEN and RDSO website.  This item may be closed.	WSC's recommendations are accepted.

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13.	040/05/12	<p>(1) Re-designating various categories of artisans as multi skilled artisans.</p> <p>(2) Imparting training from outside organization and providing a standard tool kit.</p> <p>(3) Drafting a specified syllabus for multi-skilled artisans.</p>	<p>Sub-Committee presented the modified report where multi-skilling in 5 categories is defined. Out of these 5 categories, 3 categories come under the purview of work organization. Sub-Committee in its report has also indicated promotional policies and details of training to be imparted for multi skilling of artisan staff.</p> <p>Copy of report may be sent to Zonal Railway for seeking their comments. The report may give the detailed comment regarding three categories of artisans indicated in Board's Order. Zonal Railway may send their comments to Sub-Committee within month's time. They may also include the feedback of staff union regarding multi-skilling and avenue of promotion etc. After obtaining comments from Zonal Railways, the report may be sent to Railway Board for consideration.</p>	WSC's recommendations are accepted.
14.	045/05/12	Performance Guarantee (PG)	NF Railways has sent their recommendation on proposed modification in PG Clause No. 16(4) of GCC for service contract. However ED/CE(G) Railway Board informed that a Committee has been formed in Railway Board for review of GCC Clause on Service Contract. One of the suggestions being the adjustment of amount of work done by	The issue is under consideration of Railway Board.

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			<p>the contractor towards the performance guarantee with the written consent of the contractor.</p> <p>(i) Committee agreed for adjustment of PG money from contractor's bill.</p> <p>(ii) The Zonal Railway may also send feedback to Railway Board in this respect.</p>	
15.	046/05/12	Review for planning & policies towards housing accommodation in Railways	<p>This item pertains to combining of two Type I quarters into one Type II quarter. Being policy decision, the issue is under consideration of Railway Board. However, it has been observed that different Railways are following different practices and some of the Railways have already combined few Type I quarters into Type II quarters in the past.</p> <p>The issue is under consideration of Railway Board. However, practices followed by Zonal Railways for combining two Type I into Type II staff quarter may be intimated to Railway Board.</p>	WSC's recommendations are accepted.
16.	048/05/12	Issue of controlled documents	<p>The Sub-committee has already submitted the draft Compendium on Contract Matters to Railway Board for consideration.</p> <p>After approval from Railway Board, the Compendium on contract matters shall be circulated to Zonal Railways.</p>	WSC's recommendations are accepted.

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17.	049/06/13	Revision of powers of quotation	<p>Eastern Railway presented their proposal on revision of power of quotation and modification in Para 1211 of Engineering Code. However, Para 1211 indicates limits of quotation under two different cases viz. calling of quotation without finance concurrence and calling of quotation with finance concurrence. Committee observed that the powers of calling quotations without finance concurrence are very sparingly used as they are very restrictive.</p> <p>Eastern and Western Railways may send their proposals for enhancing the limit of calling of quotation in both cases viz. without finance concurrence and with finance concurrence.</p>	WSC's recommendations are accepted.
18.	050/06/13	Sewage disposal from railway Premises	This Item may be closed.	WSC's recommendations are accepted.
19.	051/06/13	Improvement in water supply system of Indian Railways	<p>(i) The Sub-Committee on revision of IRWM has already taken up the task of inclusion, modification and updation of necessary Chapters / Para on Water Recycling Plant, Rain Water Harvesting, Effluent Treatment Plant and segregation of water supply under WSC Agenda item No. 005/01/05.</p> <p>(ii) As such this item is now proposed for closure.</p>	WSC's recommendations are accepted.



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20.	056/06/13	Conversion of SD into FDR for works contract	<p>This issue pertains to conversion of SD amount available with the Railway after completion of work into FDR. In this regard, committee observed that instructions already exist for releasing the deducted amount of security deposit of the contractor, if he submits a FDR of equal amount in favour of Railways after completion of work.</p> <p>The item may be closed.</p>	WSC's recommendations are accepted.
21.	057/06/13	Contractual operation and maintenance of valves at stations, coaching depts. Etc.	<p>Eastern Railway has sent the detailed description of item on contractual operation and maintenance of valves at stations, coaching depot etc. which is already under practice in Eastern Railway. However, Eastern Railway has not submitted the LAR of above item on contractual operation and maintenance of valves at stations etc.</p> <p>(i) Since, the item of contractual operation and maintenance of valves at stations etc. is already under operation in ER, they may directly send the LAR of item to Railway Board. Details may also be uploaded on website of IRICEN.</p> <p>(ii) The item may be closed.</p>	WSC's recommendations are accepted.
22.	058/06/13	Various Contract Matters	This issue pertains to the quantum of penalty to be imposed on the contractor	WSC's recommendations are accepted.

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			in case of failure to submit PG in time. As per GCC Clause 8, Railway shall forfeit the EMD and other dues payable against the contract. However, Committee observed that the cases of failure in submission of PG in time by contractors are very rare and barring exceptional cases, the forfeiture of EMD is found sufficient. The item may be closed.	
23.	060/06/13	Sr.DEN/Co. to be accepting authority in tenders of JAG Tender Committee.	The Committee observed that the issue requires deliberation in cases of tenders where it comes under the competency of senior scale tender committee, but due to non availability of senior scale officer, JA grade officers becomes the tender committee member and tender acceptance remains within the competency of JAG/SG officer. In such cases, acceptance of tender by Sr.DEN/Co-ordination may be considered.  South Western Railway and Southern Railway may send vetted proposals to Railway Board.	South Western Railway and Southern Railway may send vetted proposals with approval of GM to Railway Board.
24.	061/07/14	Provision of one four wheeler utility vehicle & one two wheeler to each SSE/ SE (Works) Open Line unit	(i) Provision of hiring of trucks/pick-up vans as permitted for SSE/SE (P.Way) vide Railway Board's letter no. 2002 /CE-II/Genl./1, dated 01.10.2002 may also be allowed for SSE (Works) on the lines of	(i) WSC's recommendations are accepted.  (ii) The matter was examined in consultation with Finance who observed that General Managers

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			<p>SSE/P.Way by issuing suitable instructions from Railway Board.</p> <p>2. Railway Board may also process for conveyance allowance for SSE/ JE(Works) for the local inspection and supervision.</p>	<p>of Zonal Railways are already empowered to grant conveyance allowance subject to fulfillment of terms and conditions laid down under Rule 1606 of Indian Railway Establishment Code, Volume-II.</p>
25.	062/07/14	Provision of Bio Toilets at Stations and Colonies.	<p>RDSO has developed a Guideline on Bio-tank on the basis of technology developed by DRDE, Gwalior, for use in Indian Railways. The same is under consideration with Railway Board.</p> <p>For monitoring the performance of bio tank &amp; its effluent quality, trials should be carried out under diverse climatic condition over Indian Railway.</p> <p>NWR, NFR, NR (in cold climatic condition), ECoR, SR and WR should carry out trials of bio tank technology under different climatic conditions to evaluate its performance. They may send the performance report to RDSO for evaluation.</p> <p>Final decision regarding adoption of technology shall be taken after outcome of trial result in the next WSC.</p>	<p>Results of trials carried out by Zonal Railways should be deliberated in next WSC meeting.</p>
26.	063/07/14	Review of Engineering Code with respect to	<p>So far, Advance Correction Slip No. 49 and various circulars have been issued</p>	<p>WSC's recommendations are accepted.</p>

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		incorporation of new circulars and designations	<p>by Railway Board. Besides this, changes in the designation of officials, financial powers etc. have also been modified, which needs to be incorporated in Engineering Code. Some of the provisions of Engineering Code on land lease etc. have also been superseded by circulars of the Board.</p> <p>Sub-committee of SP/Works/IRICEN (Convener), Shri S.M. Maheshwari, CGE /Central Railway and Shri Prabhat Kumar, CPDE/WCR as members is nominated to review and compile various chapters of Engineering Code and submit the draft to Railway Board within 3 months.</p>	
27.	064/07/14	Guidelines for construction of new roads in colonies and service buildings.	<p>Committee observed that the existing specifications for road construction in Railway establishments are not associated with the Class of road and type/density of vehicles plying. Hence, There is a need to associate the method of road construction with type and class of road.</p> <p>Sub-Committee consisting of Sri J.K. Singla, CE(P&amp;D) /SECR (Convener), Sri S.K. Garg, SP/Works/IRICEN and Sri A.K. Sinha, CPDE/ SR as member has been nominated to study the existing system and propose necessary modification .</p>	WSC's recommendations are accepted.
28.	065/07/14	Types of	Committee observed that	S.P. Samantaray, CGE /

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		Chlorinators and their provision of generic specifications.	<p>the agenda item seeks generalized specification be made a part of IRWM. As different technologies are being used for chlorination of water. It will not be feasible to issue generalized specification for each technology in the Manual.</p> <p>Sri N.C. Sharda, Convener member of Sub-Committee of IRWM informed that general specifications on the subject of chlorination are being included in draft IRWM. However, specific details and some of the specifications are being made a part of explanatory note to IRWM.</p> <p>(i) Sri P.K. Acharya, CPDE /ER and Sri S.P. Samantaray, CGE/ ECoR may give necessary feedback on general specifications on chlorination to Sri N.C. Sharda, Convener Member of Sub-Committee of IRWM.</p> <p>ii) This item may be closed.</p>	<p>ECoR may give necessary feedback on general specifications on chlorination to Sri N.C. Sharda, Convener Member of Sub-Committee of IRWM.</p> <p>This item is closed.</p>
29.	066/07/14	Exclusive Fund for maintenance of heritage buildings in Railways.	<p>The item pertains to creation of exclusive Plan Head for the maintenance of heritage building in Railways. However, the committee observed that creation of separate Plan Head is not necessary and various works can be proposed in respective Plan Heads.</p>	<p>WSC's recommendations are accepted.</p>

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			<p>(i) Railway should plan and sanction their repair works for maintenance of heritage building either through revenue or as special / improvement works under respective plan heads.</p> <p>(ii) This item may be closed.</p>	
30.	067/07/14	Construction of Multi-storey staff quarters in place of single storey staff quarters in Railway Colonies.	<p>Committee observed that there is no restriction on Construction of multi-storey staff quarters in place of single storey staff quarters in Railway Colonies. As such, Railway should plan construction of staff quarters accordingly.</p> <p>This item may be closed.</p>	WSC's recommendations are accepted.
31.	068/07/14	Outsourcing the services of Artisan Staff - For colony and service building maintenance.	<p>It is learnt that Railway Board is already in the process of inclusion of a new item on outsourcing the services of Artisan staff for maintenance in USSOR. As such, further deliberation in this item is not required.</p> <p>This item may be closed.</p>	This item is closed.
32.	069/07/14	Disposal of Variation in contracted quantities - Variation in Minor value items beyond 100%.	<p>Committee observed that further modification in variation clause will lead to confusion. As such, in cases of variation beyond 25% of an item, provision of deduction upto 4% of the item rate should be continued. However, the Committee feels that in case of minor value item, the approval of SAG officer may not be</p>	WSC's recommendations are accepted.

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			considered necessary. (i) Sri T.P.R. Narayan Rao, CE/W/SCR and Sri S.K. Garg, SP/Works/IRICEN may send necessary reference to Railway Board for consideration. (ii) The item may be closed.	
33.	070/07/14	Applicability of vitiation in case of fore-closure of contract on Railway's account.	Committee observed that the existing provisions on vitiation of contracts as mentioned in GCC clause 61(3) are adequate. As such, no further deliberation is required on the subject. This item may be closed.	WSC's recommendations are accepted.
<b><u>Discussion Items</u></b>				
1.	071/07/14	Online monitoring of Quarter statistics (Station-wise & Type-wise) in web based portal on the line of PAMS in IRPSM.	Committee observed that online monitoring of quarter statistics in a web based portal similar to PAMS in IRPSM will be useful in generating occupancy details and other database. SR, SECR & ECoR may send necessary input to Railway Board for consideration and preparation of web base portal.	WSC's recommendations are accepted.
2.	072/07/14	MSME Act 2006 regarding supply of material	Committee observed that conflict exists between the provisions of Indian Railway GCC and MSME Act 2006, which needs to be resolved. Southern Railway may send a reference to Railway Board for consideration.	WSC's recommendations are accepted.

**The next (8<sup>th</sup>) meeting of Works Standards Committee shall be held at Udaipur (North Western Railway) on 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup> of September 2015.**