

S. N.	Existing Item No.	Revised Item No.	Description of Item	Committee's Recommendations	RDSO's Recommendations	Railway Board's Draft Orders
NON-AGENDA ITEM						
1	1	1/2005	<p>Name & Constitution of Committee</p> <p>a) Name of Committee should be Works Standards Committee instead of Works Standards Standing Committee.</p> <p>b) Constitution of Committee should be on the same pattern as that of TSC & BSC.</p> <p>c) Whether officers from Railway Board should be member of Committee or can participate as observers or there is need to change members of committee from Railway Board's office.</p>	<p>As per recommendation of Ist WSC, Railway Board had issued order dt 2.1.06 notifying revised composition of the members of WSC, representatives from construction units, observers from Railway Board and special invitees.</p> <p>In the meantime Railway Board has sanctioned only six new posts for six Zonal Railways as CE/Works. Members of WSC discussed the item and expressed that in some Zonal Railways there is no post of CE/Works.</p> <p>After long deliberations committee recommends that in all Zonal Railways there should be one post of CE/Works to handle works matters exclusively. Wherever there is no new post sanctioned ,one SAG post in engineering Department should be re-designated as CE/Works, who will be member of committee hence forth. Committee hence recommends to expedite this</p>	<p>RDSO is of the opinion that there is no need of an exclusive post of CE/W in Zonal Railways. Once duties of CE/W are defined as per item no.2, same may be assigned to existing CE/G/CPDE in Zonal Railways. PCE in Zonal Railway may nominate concerned CE to attend WSC meetings.</p>	<p>Recommendations of WSC not accepted. RDSO's suggestions in this regard are accepted.</p>

				re-designation of one SAG post of engineering department as CE/Works where no such post has been sanctioned by Railway Board.		
2	2	2/2005	Strengthening of Organisation for works at various levels.	<p>a) : Duties of CE/Works</p> <p>The committee discussed various suggestions given by Zonal Railways. After detailed deliberation, the Committee recommends the Duty List of CE/Works as under:-</p> <p>i) Administrative control of Sr. DEN/Works, DEN/ADEN/Works of the division.</p> <p>ii) Cadre control of Works cadre & Horticulture.</p> <p>iii) Policy in regard to upkeep & maintenance of colonies, office/Station Building, Water supply, drainage and horticulture.</p> <p>iv) Works Policy.</p> <p>v) Quarter policy</p> <p>vi). Contract , Arbitration policy.</p> <p>vii) Quality audit of works, inspection schedule of Sr.DEN/Works, DEN/ADEN/Works.</p> <p>viii). Updating of works manual, SOR and</p>	Recommendation of Works Standards Committee for duties of CE/Works are acceptable.	WSC's recommendations are accepted.

				<p>specifications.</p> <p>ix).Performance review of latest construction/execution techniques and new material.</p> <p>x).Technical training of works cadre.</p> <p>xi).Any other duty assigned by Pr CE.</p> <p>b):Duties of SrDEN/Works The committee discussed suggestions given by some zonal Railways. Keeping in view the complexity of the issue, the committee recommends constitution of sub committee comprising CE/G/WRLy, CE/Works/NWRLy and CE/Works/ SRLy to frame their recommendations on duties of SrDEN/ DEN (works) within the next three months. Sub committee may consult all other zonal Railways. In the mean time, zonal Railways should forward their views to CE/G/WRLy with in 15 days.</p>	WSC's recommendations are acceptable.	WSC's recommendations are accepted.
3	3	3/2005	Unified Works, Specifications and Basic data sheets for preparation of SOR.	Expert group has recommended the out sourcing of this work through appointment of M/S RITES as consultant. The proposal in this	WSC's recommendations are acceptable.	WSC's recommendations are accepted. However, Expert Group should

				<p>regard is already under consideration in Railway Board.</p> <p>Expert Group has taken parallel action of collecting different documents required for the purpose from the zonal Railways. Secy/Expert group & CE/Con/NRly informed that Zonal Railways have not forwarded the required documents like SOR, Standard specification of works, Analysis of Rates and compiled list of Non-SOR items with their rate analysis. All Zonal Railways should expedite the same so that after finalization of Consultant for this job, work may not get delayed on this account.</p> <p>Committee recommends expediting this work with in six months. All zonal Railways should cooperate by forwarding required information to expert group with in next 15 days.</p>		expedite this work.
4	4	4/2005	a) Standardisation of flooring of platform, concourse & FOB and platform cover sheds based	Sub-committee constituted in Ist WSC comprising of NR & SCR had given their recommendations regarding	WSC's recommendations are acceptable.	This is an important topic related to works in Civil

			<p>on categories of stations (A, B,C & others).</p> <p>b) Standardisation of Workshop flooring.</p>	<p>materials to be used at different locations. Committee deliberated on each item.</p> <p>After discussing pros and cons of issues involved as proposed by sub-committee, it is felt by the committee to have more in depth study on the subject.</p> <p>Hence committee recommends to defer this item for discussion during next WSC meeting.</p>		<p>Engineering. Committee should finalize the same in next WSC meeting.</p>
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AGENDA ITEMS

5	1	5/2005	<p>Review of Indian Railway Works Manual.</p>	<p>Sr Prof /Works/IRICEN convener of sub committee nominated in first WSC for this review presented proposed amendments to IRWM. Committee members deliberated on proposed amendments for Ch I. It is observed that the nos of amendments proposed by sub committee are quite large and is not possible to deliberate all the proposed amendments in this WSC meeting. However the copy of proposed amendments has been circulated to all zonal Railways. In view of volume of discussion involved on this item, committee recommends to conduct a special meeting of WSC.</p>	<p>WSC's recommendation for special meeting of WSC is acceptable.</p>	<p>WSC's recommendations accepted.</p>
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6	2	6/2005	Review of provisions of IRWM & Engineering Code regarding measurement.	Sub committee constituted for review of IRWM was asked to examine this item also in 1 st WSC meeting. Sr Prof/Works/IRICEN, convener of the sub committee presented proposed amendments required in IRWM or Engineering Code to enhance the powers of Railway official with regard to measurements of works. After a long deliberation on the subject by members the proposed enhancement of powers were agreed upon. Therefore committee recommends for enhancement of the powers of engineering officials with regard to measurements as given in enclosed annexure	WSC's recommendations are acceptable.	WSC's recommendations accepted.
7	3	7/2005	Rationalization of the specification.	This item is already being dealt with in the item of unified works specifications and basic data sheets for preparation of SOR. Expert group constituted for the same will take care of "Rationalization of specification" also. Hence committee recommends for closure of this item.	WSC's recommendations are acceptable.	WSC recommendations are accepted.
8	4	8/2005	New Building	During first WSC meeting , 4	RDSO will issue new instructions	WSC's

			<p>Materials.</p> <p>new building materials were recommended by WSC for wide adoption. RDSO should issue necessary instructions in this regard to all concerned. Expert group formed for unified works, specification should include these items in unified SOR.</p> <p>Some more items were recommended for adoption on trial basis. Railways have taken initiatives for their use. However no experience has been gained at this stage by Railways. Nominated Railways should undertake their usage on trial basis and send their reports to RDSO with in next three months.</p>	<p>in this regard. However, detailed specifications/nomenclature of items are will be formalized by Expert Group formed for unified specifications and SOR.</p> <p>RDSO will present compilation of reports received from different Zonal Railways for use of these item.</p>	<p>recommendations accepted.</p>	
9	5	9/2005	<p>Rationalization of maintenance practices: Maintenance of leaky roofs as suggested by ER & SER.</p>	<p>Scheme adopted by IRICEN was to be tried out on SWR, NFR & NR Railway. Members representing these Railways informed committee about initiatives taken by them for adoption of leak proofing methods on trial basis. However, no experience has been gained so far therefore Zonal Railways have not forwarded their experience in leak proofing treatment to</p>	<p>Experience gained by Zonal Railways will be presented by RDSO in next WSC meeting.</p>	<p>WSC Recommendation s accepted.</p>

				<p>RDSO. Committee recommends to expedite the same so that RDSO can compile and issue instructions on the subject .A presentation was given by Dr. Anil Kar on the subject. Committee further recommends that S ,W & ECo Railway should adopt method presented by Dr Anil Kar on trial basis.</p>		
10	6	10/2005	<p>Rationalization of yard stick for works organization.</p>	<p>Committee members deliberated on the subject. As there were diverse views by different members, committee recommends for constitution of sub committee consisting of CE/Works/WR, CE/Works/NWR and CE/Works/SR to give their recommendations. Sub committee should forward their recommendations to RDSO within next 3 months. All Zonal Railways should forward their opinion to CE/Works/WR the convener of the sub committee within next 15 days. The recommendations of the sub committee will be discussed in next WSC meeting.</p>	<p>WSC's recommendations are acceptable.</p>	<p>WSC Recommendation s accepted</p>

11	7	11/2005	Use of bricks made of fly ash.	This item is already covered under item of new building materials. Committee recommends for closure of this item.	WSC's recommendations are acceptable.	WSC Recommendations accepted
12	8	12/2005	Strengthening of works unit.	This subject is related to item of rationalization of yardstick for works organization. The sub committee formed for the same will deal with strengthening of works organization also. In view of above committee recommends for closure of this item.	WSC's recommendations are acceptable.	WSC Recommendations accepted
13	9	13/2005	Setting up quality audit cell for checking the quality of construction and maintenance works executed by Railway Board.	Members of WSC shared their experience on improvement in quality by setting up of quality audit cell. In general members were satisfied with the working of quality audit cell. Members observed that it will take time to set in appreciable improvement in quality of works by setting up of quality audit cell. All members of WSC shall forward their experiences to RDSO. Experience gained by members will be discussed in next Works Standards Committee Meeting.	WSC's recommendations are acceptable.	WSC Recommendations accepted

14	10	14/2005	Authority of works measurement at various levels in works cadre(Open line/Construction).	This item is similar to the subject matter of item of review of provisions of IRWM & Engineering Code regarding measurement. Sub committee formed for the same will deal the same. In view of above Committee recommends for closure of this item.	WSC's recommendations are acceptable.	WSC Recommendation s accepted
NEW AGENDA ITEMS						
15	1/2006	15/2006	<p>Contract- System Improvement suggestions from NWR (EDCE/G/Rly Board will be able to discuss the subject matter)</p> <p>i) For large value contracts, Rs. 50,000/- is too small an earnest money to deter non serious participants. This is required to be increased and linked to the cost of work.</p> <p>ii)Before issue of acceptance letter successful tenderer shall be asked to deposit the full amount of security deposit in advance as a token of performance guarantee and shall be returned</p>	<p>EDCE/G/RB informed the participants that a committee consisting of AM(CE),AM(W) and AM(Budget) Railway Board is considering proposals to improve contract system. Keeping in view above issues raised in Sr No.(i), (ii) & (iii) will get covered.</p> <p>(iv) Committee members deliberated exhaustively on the subject and came to conclusion that submission of credentials at the time of submission of tender should be considered at par with earnest money as it will be quite useful to improve the system in long run. Committee recommends for amendments in GCC, making the tender not accompanied with proper credentials liable to summary rejection.</p>	<p>i)ii) & iii) . Existing systems/rules should be followed till High Level committee finalizes the guidelines</p> <p>iv)Recommendations of WSC are acceptable.</p>	<p>i) ii) & iii) Committee consisting of AM/CE, AM/W & AM/Budget should expedite and give their recommendations</p> <p>WSC's recommendations accepted.</p>

			<p>on successful completion of the work This system will be helpful particularly in case of risk and cost tenders.</p> <p>iii)Uniform guidelines on joint venture are to be issued to the Railways.</p> <p>iv)There should not be any post tender correspondence subsequent to opening of tender for credentials to avoid delay in finalisation of tenders and to discourage uninterested tenderers.</p>			
16	2/2006	16/2006	<p>Arbitrations (EDCE/G/Rly Board will be able to discuss the subject matter)</p> <p>i)Presently, there is no time frame/upper limit for finalization of arbitration cases. It has resulted into arbitration cases running for years. In some cases, even 1st meeting is not held for years. Some time frame is required to be</p>	<p>The issue raised in this item were discussed. A presentation was made by Secy/High Level Committee on Arbitration in Railways on the proposed modifications in the provisions of GCC and Arbitration. It was noted that all these issues have been covered in draft recommendations of the High Level Committee which will be sent to Railway Board in due course. Secy/High level committee requested</p>	<p>WSC's recommendations are acceptable.</p>	<p>WSC's recommendations accepted.</p>

			<p>fixed for finalization of arbitration cases.</p> <p>ii) Honorarium for Railway arbitrators should be enhanced so that arbitrators can take this activity as additional incentive. It should not be decided based on number of sittings but on the case basis.</p>	<p>individual members to forward their suggestions if any.</p> <p>Keeping in view above WSC should not make any recommendations as this subject is being dealt by High level committee.</p>		
17	3/2006	17/2006	<p>Separate cadre for Architect.</p>	<p>Keeping in view the recent delegation of powers for consultancy works to Principal Chief Engineers by Railway Board, the committee felt no need of separate cadre for Architects in Railways.</p>	<p>WSC's recommendations are acceptable</p>	<p>WSC's recommendations accepted</p>
18	4/2006	18/2006	<p>Provision of Green building concept in India.</p>	<p>Two presentations by SW Railway & SC Railway were made bringing out the concept and benefits of Green Building constructions. In view of the importance being attached to Green buildings world over for environmental considerations, committee recommends to take up at least one important building as Green building in each Zonal Railway. Railway Board may issue necessary policy guidelines, instruction</p>	<p>WSC's recommendations are acceptable. Few Railway Officers may be deputed/ trained abroad/ or in India on Green Building Concept.</p>	<p>WSC's recommendations accepted. A small group of Civil Engineers may be trained for green building concept.</p>

				on this subject to enable the railways to grasp the technological developments in this direction, WSC recommends that exposure may be given to the engineering officials in India & abroad.		
19	5/2006	19/2006	Change in system of maintenance of colony.	WSC discussed the item but has not recommended any suggestion. This item need more deliberations All Zonal Railways should present their view in next WSC meeting.	This subject is quite complicated and needs more deliberations. WSC could not recommend any suggestion on the subject due to lack of available time in the meeting.	WSC should deliberate on this item further in the next meeting.
20	6/2006	20/2006	ISO Certification of Railway Colonies.	A presentation by CE/RCF was made to enlighten participants on the subject. Based on the presentation, committee recommends that each Zonal Railway should identify important colonies and obtain ISO certification for such colonies.	WSC recommendations are acceptable.	Zonal Railways should identify atleast one important colony and should obtain ISO certification for the same.
21	7/2006	21/2006	Prefabricated buildings	Not discussed.	--	--

Review of the item discussed/recommended in 1st WSC

i) Name & Constitution of Committee

As per recommendation of Ist WSC, Railway Board had issued order dt 2.1.06 notifying revised composition of the members of WSC, representatives from construction units, observers from Railway Board and special invitees.

In the meantime Railway Board has sanctioned only six new posts for six Zonal Railways as CE/Works. Members of WSC discussed the item and expressed that in some Zonal Railways there is no post of CE/Works.

After long deliberations committee recommends that in all Zonal Railways there should be one post of CE/Works to handle works matters exclusively. Wherever there is no new post sanctioned ,one SAG post in engineering Department should be re-designated as CE/Works, who will be member of committee hence forth. Committee hence recommends to expedite this redesignation of one SAG post of engineering department as CE/Works where no such post has been sanctioned by Railway Board.

**Chairman
Works Standards Committee
&
Director/IRICEN/Pune**

ii) : Duties of CE/Works

The committee discussed various suggestions given by Zonal Railways. After detailed deliberation, the Committee recommends the Duty List of CE/Works as under:-

1. Administrative control of Sr. DEN/Works, DEN/ADEN/Works of the division.
2. Cadre control of Works cadre & Horticulture.
3. Policy in regard to upkeep & maintenance of colonies, office/Station Building, Water supply, drainage and horticulture.
4. Works Policy.
5. Quarter policy
6. Contract , Arbitration policy.
7. Quality audit of works, inspection schedule of Sr.DEN/Works, DEN/ADEN/Works.
8. Updating of works manual, SOR and specifications.
9. Performance review of latest construction/execution techniques and new material.
10. Technical training of works cadre.
11. Any other duty assigned by Pr CE.

iii):Duties of SrDEN/Works

The committee discussed suggestions given by some zonal Railways. Keeping in view the complexity of the issue, the committee recommends constitution of sub committee comprising CE/G/WRly, CE/Works/NWRly and CE/Works/SRly to frame their recommendations on duties of SrDEN/ DEN (works) within the next three months. Sub committee may consult all other zonal Railways. In the mean time, zonal Railways should forward their views to CE/G/WRly with in 15 days.

**Chairman
Works Standards Committee
&
Director/IRICEN/Pune**

Item no 3: Unified Works Specifications and Basic Data Sheets for preparation of SOR.

Expert group has recommended the out sourcing of this work through appointment of M/S RITES as consultant. The proposal in this regard is already under consideration in Railway Board.

Expert Group has taken parallel action of collecting different documents required for the purpose from the zonal Railways. Secy/Expert group & CE/Con/NRly informed that Zonal Railways have not forwarded the required documents like SOR, Standard specification of works, Analysis of Rates and compiled list of Non-SOR items with their rate analysis. All Zonal Railways should expedite the same so that after finalisation of Consultant for this job, work may not get delayed on this account.

Committee recommends expediting this work with in six months. All zonal Railways should cooperate by forwarding required information to expert group with in next 15 days.

**Chairman
Works Standards Committee
&
Director/IRICEN/Pune**

Material recommended for flooring of platform

Station category	A	B	C	D	E & F
Covered area	Polished stone slab (shahbad, kota etc.)		Vacuum dewatered cement concrete of M15 of 100mm thick.		Vacuum dewatered cement/Cement Concrete/Brick/Mastic/Undressed stones
Un-covered area	Vacuum dewatered cement concrete of M15 of 100mm thick.		Vacuum dewatered cement concrete of M15 of 100mm thick. OR Precast interlocking cement concrete paver blocks flooring.		

Material recommended for flooring of platform

Station category	A	B	C	D	E & F
c) Edge of the platforms (only coping width)	Decorative Chequered cement concrete tiles(preferably of standard brands like Eurocon, Duracrete etc.,) or	Decorative Chequered cement concrete tiles(preferably of standard brands like Eurocon, Duracrete etc.,)	Decorative Chequered cement concrete tiles(preferably of standard brands like Eurocon, Duracrete etc.,)	Decorative Chequered cement concrete tiles(preferably of standard brands like Eurocon, Duracrete etc.,)	C.C.coping slabs 0.60m wide at the edge of platform for entire length of platform.

	Flammed Granite stone				
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Material recommended for flooring of Concourse

Station category	A	B	C	D	E & F
Material recommended for use on concourse	Polished Granite stone slabs or polished Marble slabs or polished Kota stone.	Polished Granite stone slabs or polished Marble slabs or polished Kota stone.	Polished Granite stone slabs or polished Marble slabs or polished Kota stone.	Stone slabs excluding Marble/granite stones Or Cement Concrete	Stone slabs excluding Marble/granite stones Or Cement Concrete

Material recommended for use on FOB	
a) Flooring	Decorative Chequered cement concrete tiles (preferably of standard brands like Eurocon, Duracrete etc.,) <i>For all category of stations</i>
c) Cover over FOB	Galvalume sheet roofing----- For A class station Aluminum Sheet -----For B & C class station Cement based sheets-----For D,E & F class station

Materials recommended for platform cover over shed

A	B	C	D	E	F
Aluminum sheets			Cement based sheets		

Sub-committee constituted in Ist WSC comprising of NR & SCR had given their recommendations regarding materials to be used at different locations. Committee deliberated on each item. After discussing pros and cons of issues involved as proposed by sub-committee, it is felt by the committee to have more in depth study on the subject. Hence committee recommends to defer this item for discussion during next WSC meeting.

Work Shops flooring

Vacuum dewatered cement concrete 200mm thick of M20 grade or above with a tough & wear resistant topping layer of 1.5 cm thickness. This wear resistant topping will consist of hard metal chippings ,cement and a metallic based chemical (with specially treated iron fillings). The wear resistant topping to be provided only in case of heavy duty flooring.

Item No 1 Review of Indian Railway Works Manual.

Sr Prof /Works/IRICEN convener of sub committee nominated in first WSC for this review presented proposed amendments to IRWM. Committee members deliberated on proposed amendments for Ch I. It is observed that the nos of amendments proposed by sub committee are quite large and is not possible to deliberate all the proposed amendments in this WSC meeting. However the copy

of proposed amendments has been circulated to all zonal Railways. In view of volume of discussion involved on this item, committee recommends to conduct a special meeting of WSC.

Item No 2 Review of provisions of IRWM & Engineering Code regarding measurement.

Sub committee constituted for review of IRWM was asked to examine this item also in 1st WSC meeting. Sr Prof/Works/IRICEN, convener of the sub committee presented proposed amendments required in IRWM or Engineering Code to enhance the powers of Railway official with regard to measurements of works. After a long deliberation on the subject by members the proposed enhancement of powers were agreed upon. Therefore committee recommends for enhancement the powers of engineering officials with regard to measurements as given in enclosed annexure

Chairman, WSC

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Director/IRICEN

Agenda Items

Item No.3 Rationalization of the specification.

This item is already being dealt with in the item of unified works specifications and basic data sheets for preparation of SOR. Expert group constituted for the same will take care of “Rationalization of specification” also. Hence committee recommends for closure of this item.

Item No.4 New Building Materials

During first WSC meeting , 4 new building materials were recommended by WSC for wide adoption. RDSO should issue necessary instructions in this regard to all concerned. Expert group formed for unified works, specification should include these items in unified SOR.

Some more items were recommended for adoption on trial basis. Railways have taken initiatives for their use. However no experience has been gained at this stage by Railways. Nominated Railways should undertake their usage on trial basis and send their reports to RDSO with in next three months.

Chairman, WSC

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Director/IRICEN

Item No.5 Rationalization of maintenance practices: Maintenance of leaky roofs as suggested by ER & SER.

Scheme adopted by IRICEN was to be tried out on SWR, NFR & NR Railway. Members representing these Railways informed committee about initiatives taken by them for adoption of leak proofing methods on trial basis. However, no experience has been gained so far therefore Zonal Railways have not forwarded their experience in leak proofing treatment to RDSO. Committee recommends to expedite the same so that RDSO can compile and issue instructions on the subject .A presentation was given by Dr. Anil Kar on the subject. Committee further recommends that S ,W & ECo Railway should adopt method presented by Dr Anil Kar on trial basis.

Item No.6 Rationalization of yardstick for works organization.

Committee members deliberated on the subject. As there were diverse views by different members, committee recommends for constitution of sub committee consisting of CE/Works/WR, CE/Works/NWR and CE/Works/SR to give their recommendations. Sub committee should forward their recommendations to RDSO within next 3 months. All Zonal Railways should forward their opinion to CE/Works/WR the convener of the sub committee within next 15 days. The recommendations of the sub committee will be discussed in next WSC meeting.

Chairman, WSC

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Director/IRICEN

Item No.7 Use of bricks made of fly ash.

This item is already covered under item of new building materials. Committee recommends for closure of this item.

Item No.8 Strengthening of works unit

This subject is related to item of rationalization of yardstick for works organization. The sub committee formed for the same will deal with strengthening of works organization also. In view of above committee recommends for closure of this item.

Item No.9 Setting up quality audit cell.

Members of WSC shared their experience on improvement in quality by setting up of quality audit cell. In general members were satisfied with the working of quality audit cell. Members observed that it will take time to set in appreciable improvement in quality of works by setting up of quality audit cell. All members of WSC shall forward their experiences to RDSO. Experience gained by members will be discussed in next Works Standards Committee Meeting.

Item No.10 Authority of works measurement at various levels in works cadre (Open line/Construction).

This item is similar to the subject matter of item of review of provisions of IRWM & Engineering Code regarding measurement. Sub committee formed for the same will deal the same. In view of above Committee recommends for closure of this item.

Chairman, WSC

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Director/IRICEN

New agenda items for Second WSC meeting.

Item No.1/2006 Contract-System Improvement.

i),ii) & iii)

EDCE/G/RB informed the participants that a committee consisting of AM(C),AM(W) and AM(Budget) Railway Board is considering proposals to improve contract system. Keeping in view above issues raised in Sr No.(i), (ii) & (iii) will get covered.

(iv) Committee members deliberated exhaustively on the subject and came to conclusion that submission of credentials at the time of submission of tender should be considered at par with earnest money as it will be quite useful to improve the system in long run. Committee recommends for amendments in GCC, making the tender not accompanied with proper credentials liable to summary rejection.

Item No.2/2006 Arbitrations

The issue raised in this item were discussed. A presentation was made by Secy/High Level Committee on Arbitration in Railways on the proposed modifications in the provisions of GCC and Arbitration. It was noted that all these issues have been covered in draft recommendations of the High Level Committee which will be sent to Railway Board in due course. Secy/High level committee requested individual members to forward their suggestions if any.

Keeping in view above WSC should not make any recommendations as this subject is being dealt by High level committee.

Chairman, WSC

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Director/IRICEN

Item No.3/2006 Separate cadre for Architect.

Keeping in view of the recent delegation of powers for consultancy works to principle Chief Engineers by Railway Board, the committee felt no need of separate cadre for Architect in Railways.

Item No.4/2006 Provision of Green building concept in India.

Two presentations by SW Railway & SC Railway were made bringing out the concept and benefits of Green Building constructions. In view of the importance being attached to Green buildings world over for environmental considerations, committee recommends to take up at least one important building as Green building in each Zonal Railway. Railway Board may issue necessary policy guidelines, instruction on this subject. To enable the railways to grasp the technological developments in this direction, WSC recommends that exposure may be given to the engineering officials in India & abroad.

Item No.6/2006 ISO certification of Railway Colonies.

A presentation by CE/RCF was made to enlighten participants on the subject. Based on the presentation, committee recommends that each Zonal Railway should identify important colonies and obtain ISO certification for such colonies.

Chairman, WSC

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Director/IRICEN

Item no 4 a) Standardization of flooring of platform,concourse & FOB and platform cover sheds based on categories of stations (A,B,C & others)

b) Work shop flooring

Sub committee constituted in 1st WSC comprising of NR & SCR had given their recommendations regarding materials to be used at different locations. Committee deliberated on each item. After discussing pros and cons of issues involved as proposed by sub committee, it is felt by committee to have more in depth study on the subject. Hence committee recommends to defer this item for discussion during next WSC meeting

Chairman, WSC

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Director/IRICEN