



# **OBHS & CTS**

# RAILWAYS

Transportation

Passenger

Freight

# TRANSPORT ORGANISATION

Motto

Quality Service

Maximise Quantity

At Minimum Cost



# QUALITY SERVICE

Safety

Security

Punctuality

Comfort – For Passengers

# MAXIMISE QUANTITY

Assets Limited

Better Utilisation of Assets  
– Rolling Stock

Increase in Speed

Increase in Pay Load

Reduction in Downtime

# MINIMISE COST

Manpower

Machines

Materials

Infrastructures

Downtime of Assets – Rolling Stock

# FOR ANY DECISION

To be taken into Consideration

Quality

Quantity

Cost



# WORKS CONTRACT

## Why Required

Not Possible from  
Existing Own Resource

Infrastructure

Manpower

Material

Machine

Specialized Nature of Job

Know how not Available



# WORKS CONTRACT

## Why Required

Often Creating Resources

Infrastructure

Manpower

Material

Machine

Becomes Uneconomical

Requires Outsourcing of Activities

Leads to Works Contract

# MAJOR WORKS CONTRACT

## In Coaching Area

- Mechanized Cleaning of Coaches
- On Board Housekeeping Scheme
- Clean Train Station
- Linen Washing/Mechanised Laundry
- Pest & Rodent Control
- Pantry Car Checking for Fire Safety
- Maintenance of Fire Extinguisher
- Transport Contract for Bogie IOH

# MAJOR WORKS CONTRACT

In Wagon Area

Rubbish Cleaning of Sickline  
Premises

C Category Repair of Wagon Body

Upcoming due to Heavy Arising of  
Wagon Body Damage  
Workshop not able to handle  
Due to Capacity Constraint

# WORKS CONTRACT

## Mechanized Cleaning of Coaches

### Exterior Cleaning

Wet Cleaning of  
Outside Body  
End Panel

High Pressure Water Jet Machine

Water

Liquid Soap

# MECHANISED CLEANING OF COACHES

## Inside Cleaning

Dry Sweeping of Inside Coach

Broom

Floor Scrubber

To Clean Floor Under Seat

Moping of Floor With Disinfectant

Cleaning of Berth

Solvent

Cleaning of Inside Panels Ceiling

Solvent

# INSIDE CLEANING (Contd...)

Cleaning of Mirror

Solvent

Cleaning of Outside Wash Basin

Water

Scrub

Detergent

Cleaning of Doorway Vestibule Area

Water

Brush

Detergent

Drying by Wet Vacuum Cleaner

# LAVATORY CLEANING

Cleaning of Floor

High Pressure Water Jet  
Brush

Liquid Soap

Cleaning of Lavatory Pan

High Pressure Water Jet  
Brush

Solvent

Cleaning of Commode Chute

Rotating Hemispherical Brush  
Solvent

High Pressure Water Jet

# LAVATORY CLEANING

Drying by Wet Vacuum Cleaner

Cleaning of Wash Basin

Water

Scrub

Detergent

Cleaning of Mirror

Solvent

Clearing of Dust Bins

Dusting of Electrical Fittings



# MECHANISED CLEANING OF COACHES

Other Cleaning Work

Cleaning of Trolley

High Pressure Water Jet

Pit Cleaning Including Sickline

Dry Sweeping

Scrubbing

High Pressure Water Jet

Bleaching Powder

Clearing of Jungles Bushes

Inside Premises

# MECHANISED CLEANING OF COACHES

Payment is Done

Based on Rating Given by  
Railway Supervisor

Format

Penalty is Imposed

Poor Quality

Manpower below Minimum Stipulated

Less Quantity of Cleaning Agent

Non Working of Cleaning Machines

# WORKS CONTRACT

## Clean Train Station

Stations Nominated by Railway Board

For Train Stopping more than 15 Minutes

Operate in Two Shifts at most of the Station

06:00 to 14:00 and 14:00 to 22:00



# WORKS CONTRACT

## Clean Train Station (Contd...)

Mechanized Water Jet Cleaning and Drying of  
Toilet  
Doorway

Cleaning of  
Wash Basin  
Vestibule Area  
Outside Window Glass PF Side

Spray Room Freshener

Disposal of Waste

# WORKS CONTRACT

## Clean Train Station (Contd...)

### Machines Used

High Pressure Back Pack Water Jet Machine  
Wet Vacuum Cleaner

### Evaluation for Payment

Passenger Feedback

Format

By Railway Supervisor

Format

# WORKS CONTRACT

## On Board Housekeeping Scheme

On Board Safaiwalas accompany the Train  
Throughout the Journey

Trains to be Covered  
Reserved Coaches Only

Initial Criteria –

Journey One Side 16 Hrs. Minimum  
Mandatory Journey 05:00 to 09:00

# WORKS CONTRACT

## On Board Housekeeping Scheme (Contd...)

Criteria Relaxed -

Journey One Side 06 Hrs. Minimum

Only Overnight Trains to be excluded

Start After 20:00 and reach before 08:00

Cleaning Work Frequently between

05:00 To 09:00

16:00 To 20:00

Besides

Passenger can call Safaiwala as Required

Contact No. Displayed at Suitable Place

# WORKS CONTRACT

## On Board Housekeeping Scheme (Contd...)

Manpower

1 Person for every 3 Reserved Coach

Evaluation for Payment

Passenger Feedback Forms

Format

By Railway Supervisor

Format

Attendance Checked at Other end also



# WORKS CONTRACT

## On Board Housekeeping Scheme (Contd...)

### Scope of Work

Dry Sweeping of Passenger Area

Moping of Floor of Same with Disinfectant

Collection of Garbage

Spray Room Freshener

# WORKS CONTRACT

## On Board Housekeeping Scheme (Contd...)

### Scope of Work (Contd...)

Cleaning of Gangway Vestibule Area

Replenish Liquid Soap in Toilet

Cleaning of Wash Basin and Mirror

Emptying Dust Bins

Cleaning of Doorway and Toilet

# WORKS CONTRACT

## Pest Control

Periodicity Min.	As Prescribed By CAMTECH
Air Conditioned	Fortnightly
Pantry Car	Fortnightly
Non Ac Reserved	Fortnightly For First 3 Months Then Monthly
Non Ac Unreserved	Once In Two Months

# PEST CONTROL (Contd...)

Pest Control Operator to follow  
Insecticide Act 1968 and 1971

List Of Rodenticide / Pesticide/ Insecticide  
Dis-infestation/General Pest Control

Propoxure	20%
Deltamethrin	2.5 %
Cyfluthrin	5%
Cyphenothrin-s	5%
Cypermethrin	10%
Beta Cyfluthrin	2.45 %
Smoke Generator Canon (For Fogging)	

# PEST CONTROL (Contd...)

## Monitoring

Flushing by Flushing Agent

Spraying Inside Cracks Crevices Linen Area

Fogging and Placement of 5 No.

Food Based Cockroach Monitoring Trap

Close the Door for One Hour

Note Down the Cockroach Caught

By Size Adult Nymph

Noted Quantity is Benchmark

# PEST CONTROL (Contd...)

## MONITORING (Contd...)

Reduction in Cockroach Caught  
By 50% in One Month

Reduction in Cockroach Caught  
By 90% in Six Months    In Ac Coach  
By 80% in Six Months    In Pantry Car

Level to be Sustained Thereafter

No Penalty to be imposed if found  
Less Than 2 per Coach

# RODENT CONTROL

Glue Boards are used



Type of Coach	Glue Board to be placed
AC-I	One in Each Cabin, Coupe, Attendant Cubicle and Electrical Panel
Other AC Coach	<b>4 Nos.</b> in Passenger Area and 1 in Electrical Panel
Pantry Car	<b>6 Nos.</b>
Non AC Reserved	<b>4 Nos.</b> in Passenger Area

## List of Rodenticide

Bromadiolone 0.005%  
Aluminium Phosphide

# WORKS CONTRACT

Linen Washing

Washing of Linen

Items to be Monitored

Contractual Agency

Backlog on Agency

Penalty for Loss

Penalty for Poor Quality





# LINEN WASHING

## Inspection of Washed Linen

### At Depot Received from Washing Contractor

By JAG Officer      2% any lot      Quarterly

By JS Officer                      2% any lot      Monthly

BY SSE I/c Linen    2%                      Every Lot Received

### Inspection of Premises of Washing Contractor

Once in 6 Months by JS Officer



# WORKS CONTRACT

## Pantry Car Pipeline Checking

In view of Fire Safety

LPG Pipelines are to be checked by  
Authorized Agency of

IOCL

BPCL

HPCL

Checking of Joints for Leakages

Certificate to be given by Agency

# WORKS CONTRACT

## Fire Extinguisher

Traditionally maintained by

Mech (Power) Organization

Due to Shrinkage of Organization

Work is Outsourced at Major Coaching Depot

Frequency specified for

Checking

Filling

Attention to CO2 Cartridge

Attention to Flexible Pipe

# WORKS CONTRACT

## Transport Contract

Intermediate Overhaul carried at  
Coaching Depot

Requires Overhauled Trolley  
with Wheel Sets from Workshop

Necessitates a Transport Contract

# WORKS CONTRACT

## Transport Contract

Necessitates a Transport Contract  
For to and fro movement of

Repairable trollies

From Depots to Workshop

Overhauled trollies

From Workshop to Depots

Bill is paid on Rs. per Tonnes KM

# WORKS CONTRACT

## Wagon Area Premises Cleaning

### Cleaning of Sickline Premises

Often wagons arrives in Sickline

With some residuals (Coal dust etc)

During repair

Residuals fell on ground

Make premises dirty

Requires regular cleaning

# WORKS CONTRACT

## C-Category Wagon Repair

Heavy Arising of Unloadable Wagons

On account of Body, Door, Floor damage

Sicklines

Scarcity of Welders

Not able to repair resulting

High Ineffective

Requires Repair of Unloadable Wagons  
From Outside Agency