



**STEEL AUTHORITY OF INDIA LTD.
RAW MATERIALS DIVISION
KOLKATA**

OFFICE ORDER

Ref. No. RMD/K/TA/19/7275

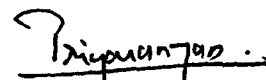
5th July, 2010

In pursuance to the Head of Mines meeting held on 24th & 25th March'10, it has been decided to standardize the methodology for calculation of techno-economics parameters in the mines of Raw Materials Division. The new methodology is enclosed as annexure 1,2 & 3 and it will be applicable from the current financial year i.e 1st April'2010

Also it has been decided that every month, mines shall send the absolute data related to Diesel, Lubricant, Explosive and Power with end use.

This office order will come into force with immediate effect and will supersede all office orders issued in this regard.

This has the approval of Executive Director(RMD).


(R.K. Sahay)
Sr Manager(TA)

Copy for kind information to :

1. ED (RMD), Kolkata
2. GM(Tech), Sectt of MD(RSP) & I/c RMD
3. All HOMs
4. All HODs of RMD, Kolkata
5. All Heads of CSOs / Liaison offices
6. RMD Website : <http://10.158.0.162/mis>

EXPLOSIVES

Present Methodologies for Calculation of Techno-Economic Indices for Explosives

Existing : Total Explosives Consumption / Total Excavation

Present Methodologies for Calculation of Techno-Economic Indices

Index	KIOM	MIOM	BOM	BIM	GOM
Numerator (Explosive Consumption)	Total Explosives consumed	Total Explosives consumed	Total Explosives consumed	Total Explosives consumed	Total Explosives consumed
Denominator (Excavation)	Total Excav. (100% depart. + 100% contract.)	Total excav. (100% depart. + 100% contract.)	M/M Excav. + Input 600 TPH + HM OB + OB contractual F&G area + Excav. ROM contract from F & G area	Total excav. (100% depart. + 100% contract.)	Total excav. (100% depart. + 100% contract.)

Proposed Methodologies for Calculation of Techno-Economic Indices for EXPLOSIVES :

Specific Consumption of Explosiver =

Total Explosives Consumed during the month

Total Departmental Excavation (ROM + OB) + Total Contractual Excavation (provided Blasting is done departmentally)

Signature

DIESEL / LUBRICANTS**Present Methodologies for Calculation of Techno-Economic Indices for Diesel**

Existing : Diesel Consumption / Excavation

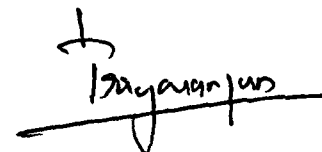
Index	KIOM	MIOM	BOM	BIM	GOM
Numerator (Diesel Consumption)	Total Diesel consumption but excluding DG sets	Total diesel consumption but excluding DG Sets	Total diesel consumption – 10% for bus & jeeps	Total diesel issued for transport (buses + light vehicles) & HEMMs	Total diesel consumptn but Excluding DG Sets Light Vehicle Misc
Denominator (Excavation)	Depart. Excav. + 30% of contract. excav.	Depart. Excav. + 50% of contract. excav	M/M excav. + 25% Input 600 TPH + 25% HM OB + 30% OB contract. F&G area + 30% fines Prodn	Depart. excav. + 50% of contract. excav	Depart. excav. + 50% of contract. excav

Proposed Methodologies for Calculation of Techno-Economic Indices for DIESEL / LUBRICANTS:

Specific Consumption of Diesel / Lubricants =

$$\frac{\text{Total Diesel / Lubricants Consumed during the month (including all HEMMs, LMV, DG sets or any other purpose)}}{\text{Total Departmental Excavation (ROM + OB) + 25% of Contractual Excavation (provided Drilling, Dozer & Grader is being provided)}}$$

PS : Breakup of 25% of Contractual Excavation : 10% for Drilling + 10% for Dozer + 5% for Grader



POWER

Present Methodologies for Calculation of Techno-Economic Indices for Power

Existing : Total Industrial Power Consumption / Excavation

Index	KIOM	MIOM	BOM	BIM	GOM
Numerator (Industrial Power)	Industrial Power (taken as 60% of Total Power) + Power from DG sets	Industrial Power (taken as 60% of Total Power) + Power from DG sets	Ind. Electricity	Industrial Power (taken as 60% of Total Power)	Industrial Power (taken as 60% of Total Power)
Denominator (Excavation)	Dept. Excav. only	Dept. Excav. only	Machine Mining (F&G) excav. + Input 600 TPH + OB contract. F&G area + Excav. ROM contract from F&G area	Dept. Excav. only	Dept. Excav. Only + Cont ROM

Proposed Methodologies for Calculation of Techno-Economic Indices for POWER :

Specific Consumption of Power =

Total Power (from State Electricity Board) Consumed during the month (Industrial + Domestic)

Total Departmental Excavation (ROM + OB) + Contractual ROM (provided if fed to Deptt. Crusher)

K. S. Narayan