

CFL distribution Pilot Project in Sri Lanka

JICA Study Team

Outline

1. DSM Project Target

⇒ ‘Peak cut’ & ‘Subsidy reduction’

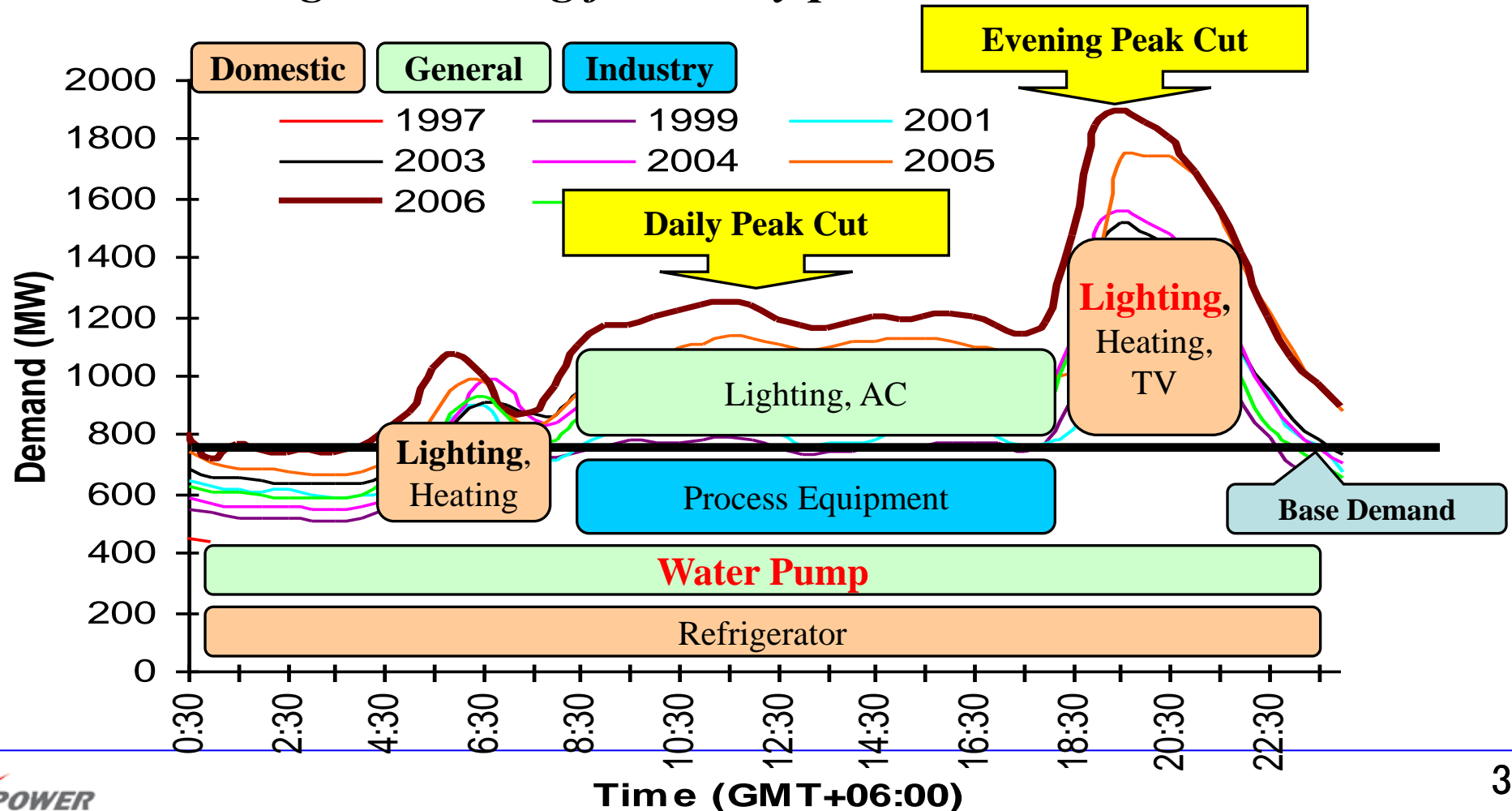
2. Measure being selected

⇒ ‘CFL distribution Pilot Project’

DSM 'Project' Target (1) 'Peak Cut'

1st Target : Lighting for 'Evening peak cut'

2nd Target : Cooling for 'Daily peak cut'



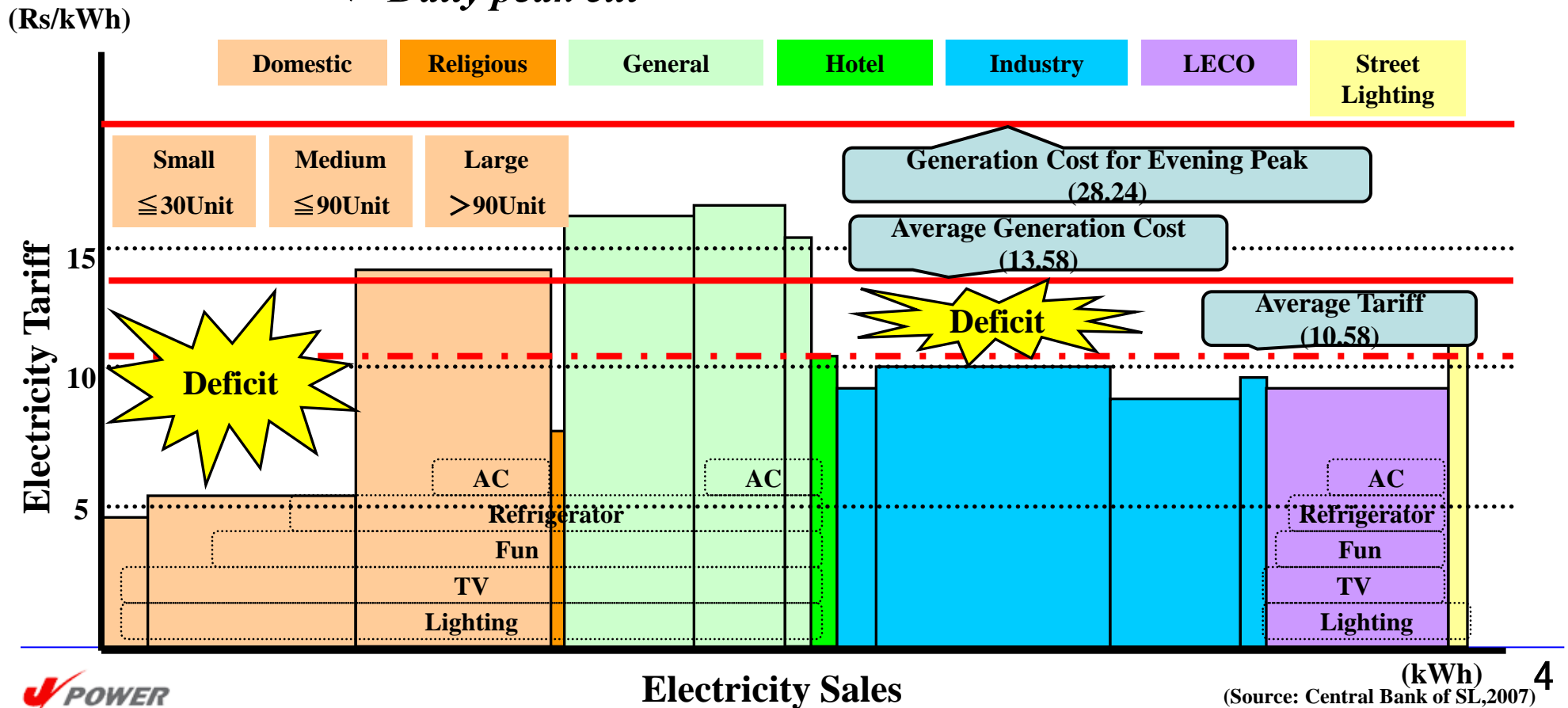
DSM 'Project' Target (2) 'Subsidy Reduction'

1st Target : Lighting for Domestic (Small, Medium)

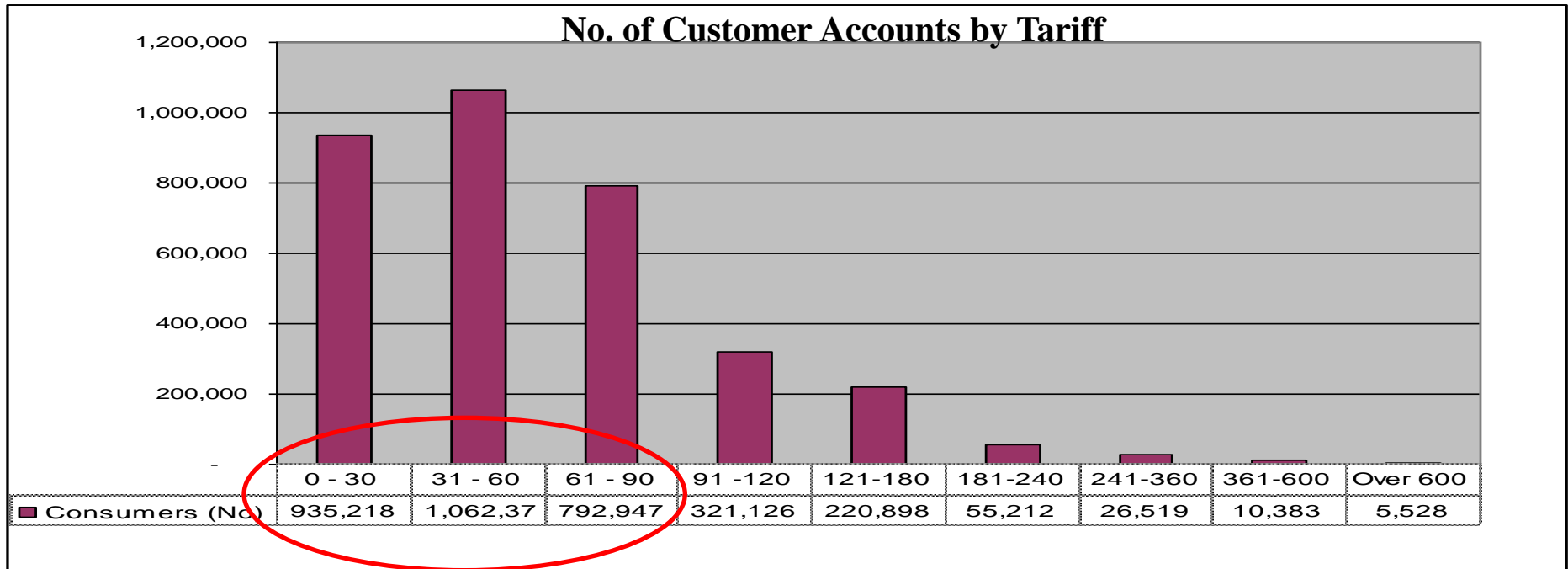
⇒ 'Subsidy reduction' and 'Evening peak cut'

2nd Target : Cooling for Domestic (Medium, Large) and General consumer

⇒ 'Daily peak cut'



Impact of 5 mil CFL National-wide Program



【Target Customers: 2.7mil Customers】

0-30 unit: 1.7mil CFLs (4units/Consumer)

31-60 unit: 1.9mil CFLs (4units/Consumer)

61-90 unit: 1.4mil CFLs (4units/Consumer)

Total : 5.0mil CFLs

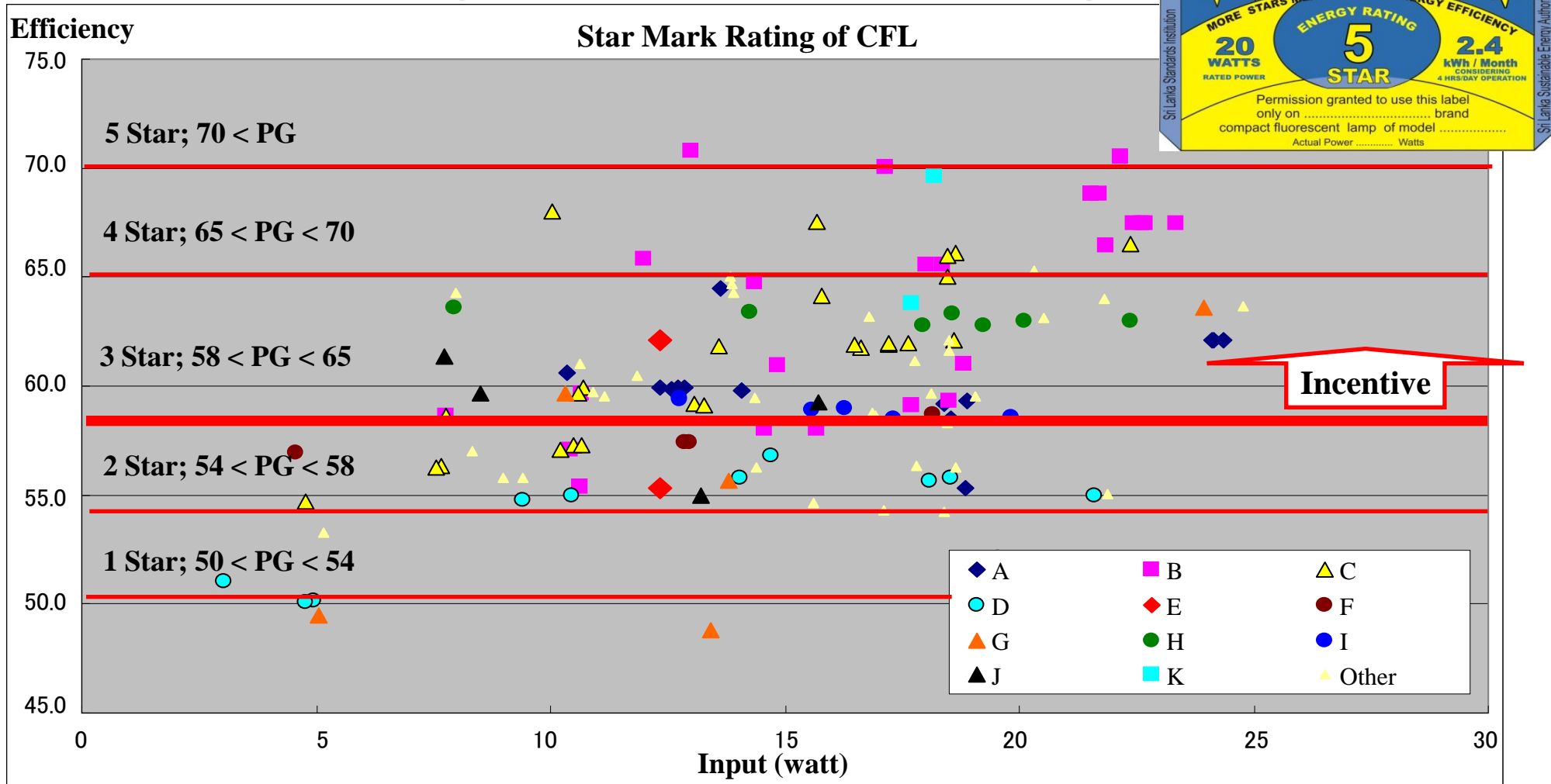
Peak Cut*: 150MW

Electricity Reduction: 219GWh/yr**

Subsidy Reduction*: Rs.2bil/yr**

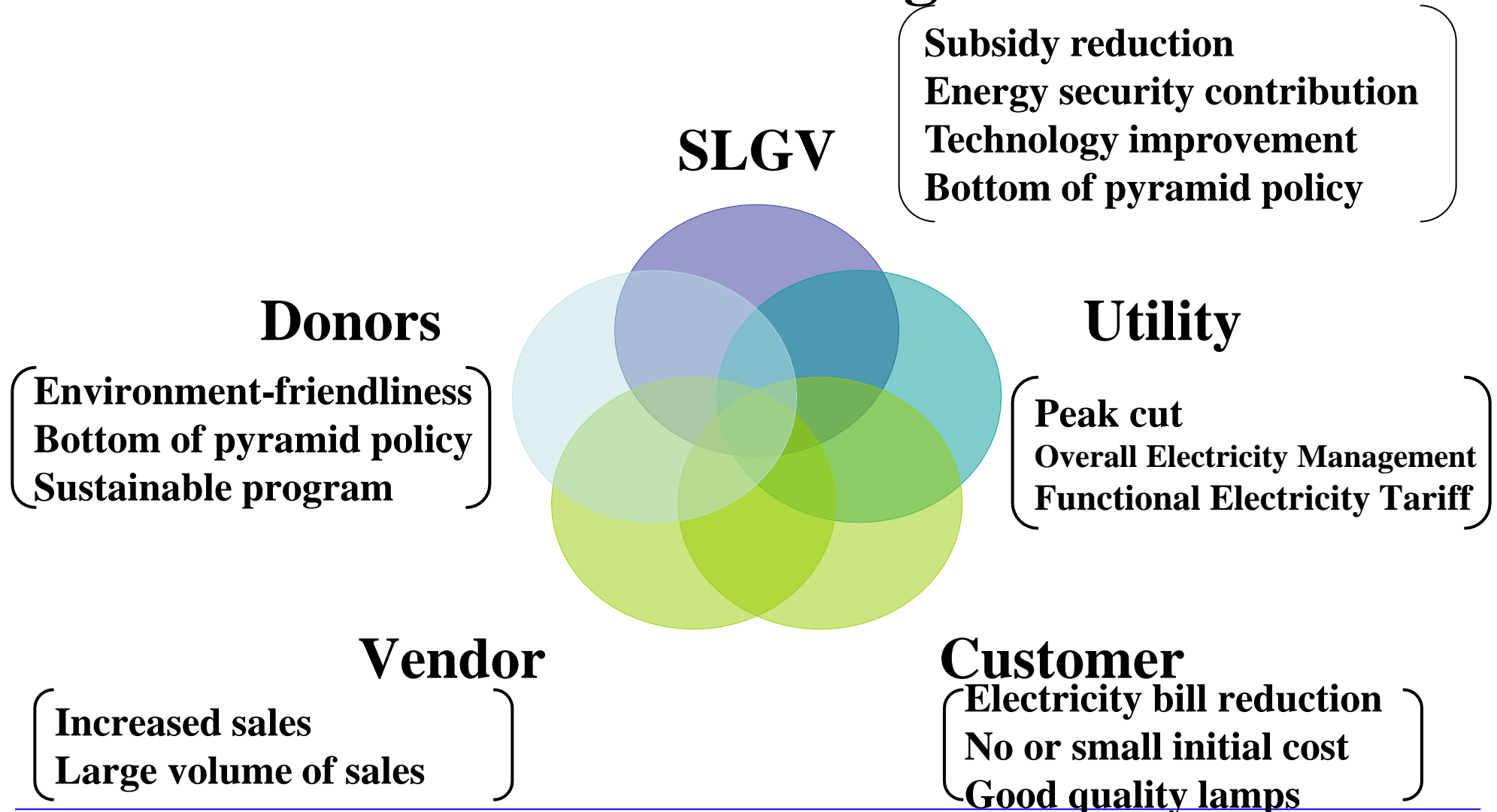
(Rs.8bil/Lifetime)

Linkage to National Labeling



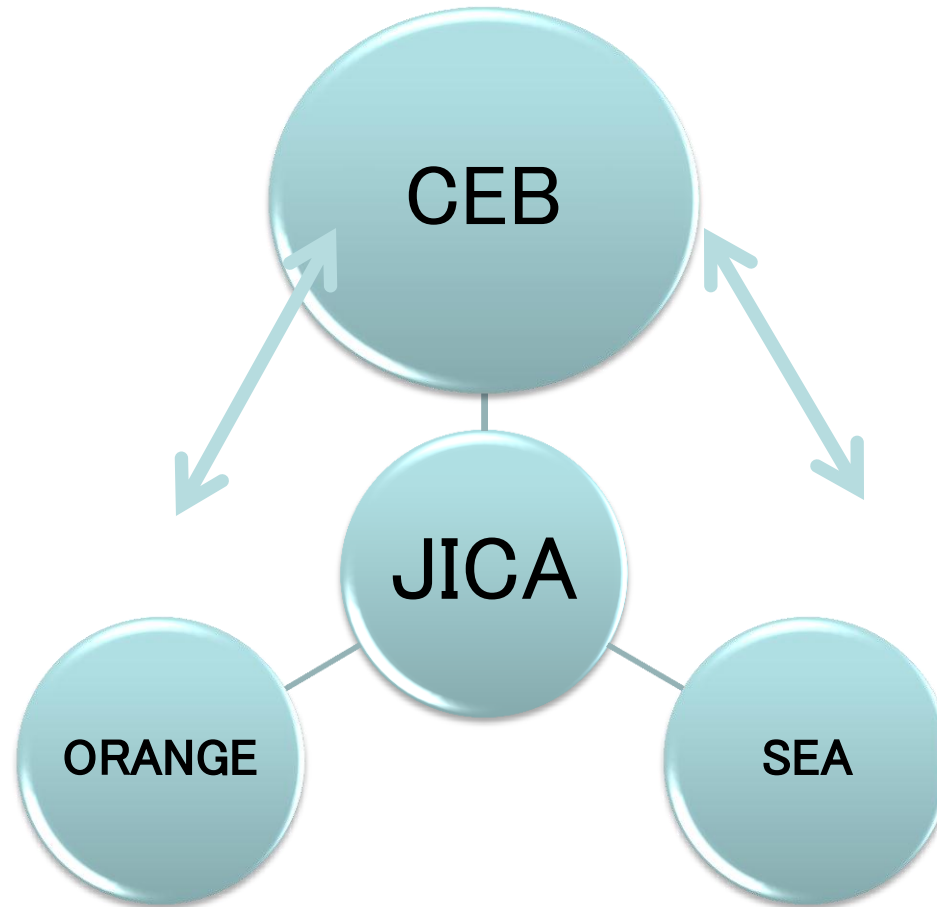
Performance Grading (PG) = Efficacy (Lumen/Watt) × 0.9 + Power Factor × 0.1 + Color correction coefficient

5 Win-Win Program



Project Stakeholders

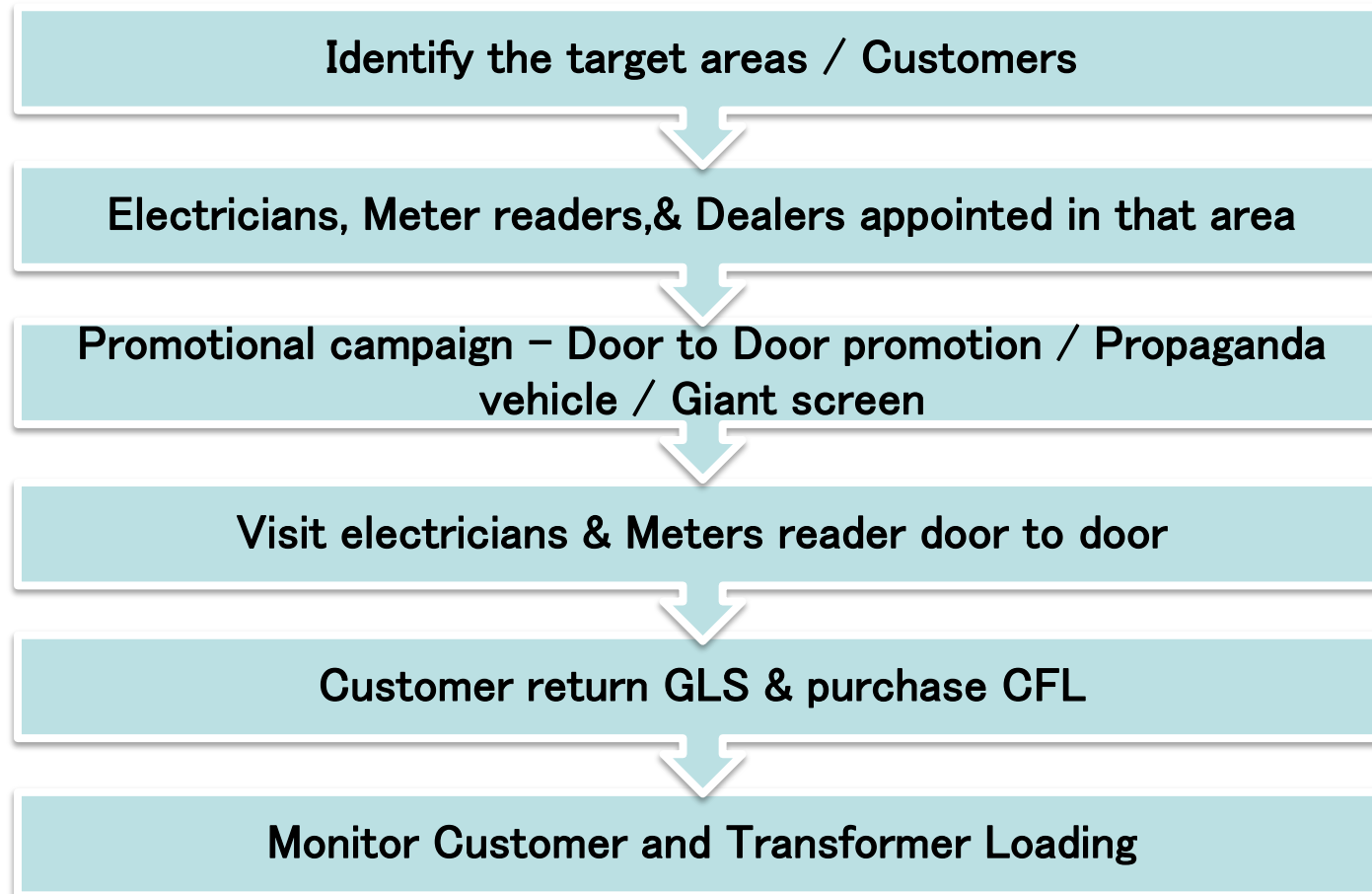
- Orange
- JICA Project Team
- CEB
- SEA



Methodology & Result

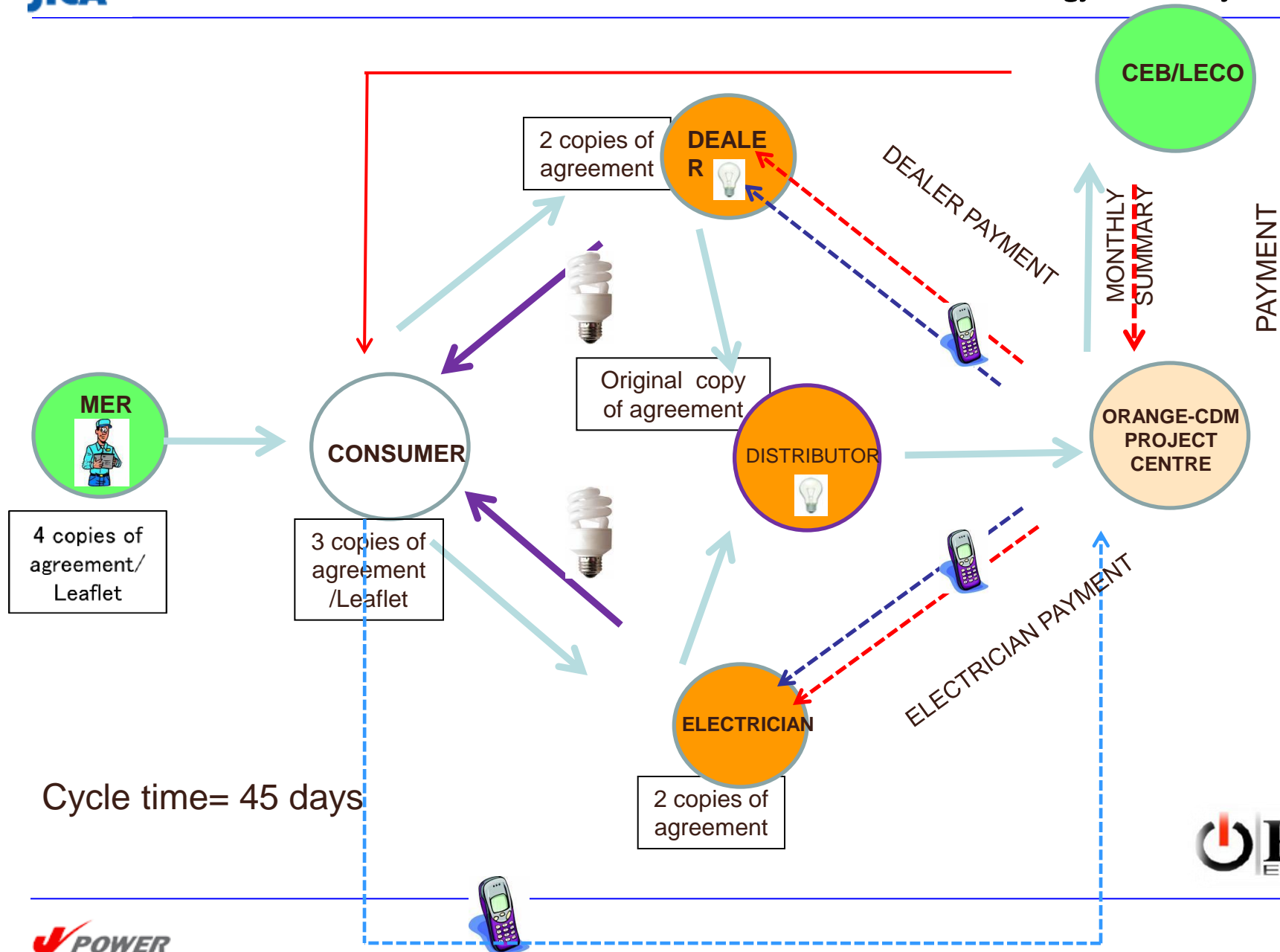
Price	: US\$1.5
• No of Consumers	: 1116
• Total Lamps	: 2000
• CFL Type	: 11W & 15W
• Star Rating	: 3 star (EE labeling)
• Limit	: 4 Bulb Max
• Condition	: Change from Incandescent lamps to CFLs
• Payment Method	: 3 Months Installment through Utility
• Distribution Method	: Door to Door approach by meter reader & distributor
• Result	: Over 80% consumers purchased CFL (Change)

Procedure



DISTRIBUTION MECHANISM

Promotion of Energy Efficiency and Conservation



Propaganda Vehicle



Wide Screen(8'*12')



Conformation Sticker



- **Project was a absolute success.**
- **Price is comfortable with customers (150 /=).**
- **Door to Door is a proven method .**
- **Should consider about power factor.**
- **Need to introduce CFL disposal system.**

THANK YOU
for your attention