

ITEM NO. 22 (B-01)

1. **Name of Work:**-Augmentation of L.T. distribution system at Bhagat Singh Market, New Delhi.

2. **Department :-** Electricity Department.

3. **Brief History:**

Bhagidari meeting was held at Delhi Secretariat under the Chairman-ship of Hon'ble Chief Minister NCT Delhi on 4.6.08. During the meeting President of Bhagat Singh Market Association high-lighted about the temporary wires feeding various shops & flats in the market from G.S. pillars.

It was explained that the undeclared load has increased tremendously and the system is decades old which has been over loaded.

Accordingly it has been proposed to augment the L.T. system in the market to meet the present & future demand of load.

4. **Detailed Proposal:-**

(a) **Existing system:**

The shops/flats about 250 Nos. are being fed from various pillars in the area having feed from Sub-station SBS Palace, Raja Bazar, and Baird Lane & Gole Market. Further from various pillar ,service cable of 16mm² /25mm² sizes are laid upto the stair-cases which are feeding various shops/flats in the market .

(b) **Deficiencies of the existing system:**

These shops/flats were constructed about 50 years back & the sanctioned load is about 0.34 to 1K.W. in most of these shops/flat. Due to passage of time & boom in economy there has been tremendous increase in load on account of use of various appliances & particularly air-conditioners etc. This undeclared increase of the load on the system is responsible for faults in the system.

(c) **Extent of utilization of existing system:**

The infrastructure i.e. pillar & main cables are being used & some pillars are being replaced .The cable feeding the staircase are under sized with respect to present requirement of load; deeply buried, have number of joints etc.& it is uneconomical to retrieve them.

However same shall be dismantled to the extent possible as per site requirement & remaining shall be used as stand by.

(d) **Necessity of augmentation of system:-**

As explained on prepage the undeclared load has increased tremendously & existing system is decades old & giving constant trouble. In order to maintain the system addition temporary arrangement was provided as per site conditions.

Further there is going to be increase in load requirement in future also. Keeping in view the above, the department feels the necessity for augmentation of electric distribution system.

(e) Technical viability of scheme :-

The proposal has been technically cleared by planning division as per site requirements.

The following has been proposed in the estimate :-

- (i) G.S. pillars (Big Size) – 9 Numbers.
- (ii) These pillars shall be provided with feed of 400mm²/ 3¹/₂ C from various pillar being fed from Sub station Raja Bazar , SBS Palace ,Gole Market & Baird Lane etc.
- (iii) Existing pillar shall be strengthened by laying inter connectors of 400mm² 3¹/₂ C.
- (iv) 3 numbers old pillars are to be replaced with new one.
- (v) Cable of 95mm² 3-¹/₂ C size shall be laid from the nearest pillar/main board from various pillars.
- (vi) L.T. cable of 10mm²/2C shall be laid from the nearest pillar/main board upto each shop.

5. Financial Implication :-

Estimate amounting to Rs.1,02,30,400/- has been framed and the expenditure shall be charged to **Transferred Market Fund** during the year 2009-2010.

6. Implementation Schedule:-

The work shall be completed in 6 months.

7. Comments of Finance Department :-

- (i) Approval of the competent authority.
- (ii) Availability of funds.
- (iii) The work should be executed after adhering to all codal provisions.
- (iv) Department has not given any credit for the dismantled cable on the ground that the cost of digging and road restoration charges is much more than the cost of old cables. Specific approval of the competent authority in this regard be obtained at the time of seeking A/A and E/S by preparing a statement indicating the comparison between the cost of digging road restoration and the value of the dismantled cable.

8. Comments of the department on the Comments of Finance Department:-

- a. Approval of Council is being solicited.

- b. The expenditure is to be met from **Transferred Market Fund**.
- c. The work shall be executed after adhering all the codal provisions. The material shall be procured by stores division. The cable laying work shall be got executed against Annual Cable Laying Contract which stands approved by Council.
- d. The credit for dismantled cables has not been given as it is un-economical sometime to dismantle the existing cables due to site conditions .Further the cost of digging, these decades old cable e.g. in case of 95mm² /3-1/2 Core cable, the cost of new cable is Rs.276/per metre &its scrap value is Rs.27.60 .whereas the cost of dismantling this cable &Road Restoration Charges etc as per site condition comes to Rs .1104.88. The statement indicating the comparison between the cost of digging /road restoration &value of dismantled cable of various sizes is placed as per **Annexure –I (See page 104)**.

However if during laying of new cables the old cables are coming conditions on he route the same shall be dismantled to the extent possible based on site conditions and shall be accounted for & due credit shall be given as per prevailing rates.

9. Legal Implications of the subject :- No legal implication is involved.

10. Details of previous council resolution :- Not applicable

11. Comments of Law Department :-

Draft Agenda appears to be in order. However, department may ensure that facts and figures are correct are as per approval of the competent authority.

12. Comments of the Department on the comments of the Law Department :-

The facts &figures given by the department are correct.

13. Certificate on CVC Guidelines :-

All CVC guidelines shall be adhered to while implementing the scheme.

14. Recommendations of Department:-

The case is placed before the Council to accord administrative approval & expenditure sanction of the estimate amounting to Rs. 10230400/- (One hundred two lacs, thirty thousand &four hundred only) for augmentation of L.T. distribution system at Bhagat Singh Market . In view of the critical importance of the work, approval may please be accorded to commence the work in anticipation of confirmation of the minutes of the council's meeting.

15. Draft Resolution:-

Resolved by the Council that administrative approval & expenditure sanction is accorded to the estimate amounting to Rs. 1,02,30,400/- (one hundred two lacs, thirty thousand & four hundred only) for augmentation of L.T. distribution system at Bhagat Singh Market. Further, permission is accorded to commence the work in anticipation of confirmation of the minutes of the council's meeting.

COUNCIL'S DECISION

Resolved by the Council to accord administrative approval & expenditure sanction to the estimate amounting to Rs. 1,02,30,400/- for augmentation of L.T. distribution system at Bhagat Singh Market.

It was also resolved that further action in the matter be taken in anticipation of confirmation of the minutes by the Council.

ANNEXURE - I**COMPARISON BETWEEN VALUE OF DISMANTLED CABLE AND COST OF DISMANTLING OF CABLE (as per NDMC approved rates & SIR of stores)**

COST OF DISMANTELLING OF CABLE						VALUE OF DISMANTELLED CABLE		DIFFERENCE in the cost of dismantling of cable & its value.
S.No.	Cable size	Cost of Dismantling in soft soil (per metre)	Road cut for CC Slab/Foot Path /Road berm etc. (per metre)	R.R. Charges CC Slab/Foot path/walk way (per sq. metre)	Total cost	Rate of New Cable (Per Metre)	Scrap value of cable (10% cost of new cable)	
1.	95mm ² / 3 ¹ / ₂ c	Rs.57.34	Rs.27.52	1020.00	1104.86	Rs.276.00	Rs.27.60	Rs.1077.26
2.	50mm ² / 3 ¹ / ₂ c	Rs.57.34	Rs.27.52	1020.00	1104.86	Rs.177.00	Rs.17.70	Rs.1087.16
3.	25mm ² / 3 ¹ / ₂ c	Rs.57.34	Rs.27.52	1020.00	1104.86	Rs.110.32	Rs.11.03	Rs.1093.83
4.	16mm ² / 4-C	Rs.57.34	Rs.27.52	1020.00	1104.86	Rs.92.00	Rs.9.20	Rs.1095.66