

ITEM NO. 11 (E-5)

SCHEME FOR DOOR-TO-DOOR COLLECTION OF GARBAGE.

INTRODUCTION:-

Solid Waste Management of the area is the prime function of the Municipality. NDMC has given the utmost importance to this function by providing best possible methods and means. NDMC being a VVIP area where the Ministerial staff along with big dignitaries (National and International) resides as well as a lot of them visits regularly needs the special thrust and emphasis in this aspect. The transportation and disposal of Solid Waste has been strengthened from time to time and huge garbage is taken away from NDMC area everyday. Even the garbage is removed on Sunday, Holidays and even in odd hours. Although adequate staff, equipments and vehicles have been deployed with conservancy articles yet the residents especially in the residential colonies are throwing garbage indiscriminately. Thus we are not able to achieve that standard of sanitation, which is expected to compare with other metro cities of the developed countries.

To achieve the goal of NDMC sanitation of international standard, it is necessary to introduce such a system that all the residents do not litter here and there but deposit garbage in the designated bins. It becomes mandatory to segregate garbage in a biodegradable and non-biodegradable manner and also deposit it in the designated bins for the purpose so that the municipal vehicles may take them separately for final disposal. Thus health department NDMC has made a proposal for door to door collection of garbage in its area to combat the problem as well as follow Solid Waste (Management and Handling) Rules 2000.

As per the recommendations in the manual of Solid Waste Management prepared by Ministry of Urban Development, Govt. of India which are: -

"The local body may also encourage NGO/private sector to collect both food/ biodegradable waste as well as recyclable waste from the door steps on their own by making direct contractual arrangement with the residence association/ commercial complexes to reduce their financial burden."

The NDMC has chalked out a program to introduce **DOOR TO DOOR COLLECTION OF GARBAGE SCHEME** in NDMC area. Slowly and slowly NDMC has introduced this system at 51 places in its area. (List attached at **Annexure**) Evaluating the success of this system NDMC envisage introducing door-to-door garbage collection in its entire area.

SYSTEM: -

NDMC has contacted all the Resident Welfare Associations and Market Trade Associations by organizing a workshop on door-to-door collection of garbage. In this workshop three NGOs proposed by Ministry of Environment, Govt. of NCT of Delhi, presented their program of implementation of this activity in NDMC area. Evaluating their resources, NDMC has planned to give certain areas to them to carry out this activity. In lieu of it NDMC will help them by providing some equipments. There will be mutual understanding between the NGO and the Resident Welfare Associations and Market Trade Associations. The present system of collection of garbage will not be disturbed but door to door garbage collection will be an additional activity to curb the menace of indiscriminate throwing of garbage. NDMC proposes to implement this scheme in its entire area.

PRESENT STATUS:-

Door to door garbage collection in NDMC is being done at 51 places through NGOs, RWAs as well as some staff of NDMC. Although collection of garbage is being done but it is not as per the enumerated guidelines in MSW Rules 2000 (areas where door to door garbage collection is being done- list attached). To give it a scientific and proper way, NDMC envisages to start this activity in a pilot project manner so that the same can be replicated to all over the NDMC area after observing the success of the project.

PROPOSED PLAN:-

It was proposed last year to expand this activity of door-to-door collection of garbage in whole NDMC area. For this names of NGOs were asked from Ministry of Environment and Forest, Govt. of NCT of Delhi. The Ministry sponsored for five NGOs. In January 2006 a workshop on door-to-door collection of garbage was organized at India Habitat Centre in joint collaboration with the **Energy Research Institute (TERI)**. In this workshop all the RWAs and MTAs of NDMC area along with the sponsored NGOs from Govt. of NCT of Delhi were invited. Only three NGOs had participated and submitted their presentations about their action plan to be implemented in NDMC area on the guidelines of MSW Rules 2000 and only one presentation was found to be satisfactory.

NDMC had convened a meeting with the representatives of the three NGOs namely Chintan, Action for Green Earth and Sarvodaya International on 14-07-2006 to further intensify door to door garbage collection programme. After that a meeting of the sub-committee for the purpose as approved by Chairperson on P/N-2 was held on 28-07-2006. The sub-committee decided the distribution of area to the three NGOs as well as other modalities enlisted on P/N-21, 22 & 23.

A draft MOU was prepared by taking the help of an MOU between an NGO and Faridabad Municipality. The MOU was shown to Law Department, which has some reservations regarding this MOU. They have mentioned that door-to-door collection of garbage is not the responsibility of NDMC as per NDMC Act 1994. The matter was discussed at large in various meetings and it was transpired from the meetings that NDMC should carry out ways and means to do door to door collection of garbage in its area as per Solid Waste (Management & Handling) Rules 2000.

A meeting on this subject was again held on 16-05-2007 in the council room where the following were present:-

1. Chairperson ----- in Chair
2. Financial Advisor
3. CVO/ Secretary, NDMC
4. Legal Advisor
5. Engineer – in – Chief
6. MOH
7. Director (Proj.)
8. Epidemiologist & I/C Sanitation

In the above meeting it was decided that Health Department should make a proposal to implement door to door collection of garbage in whole of NDMC area keeping in view of the recommendations under MSW (Management & Handling) Rules 2000 following proposal is made:-

PILOT PROJECT:

Although NGOs are carrying out door-to-door collection of garbage in some areas but it is not as per the desired level and standard. To begin with, we may start this activity (to start with) in the organized colonies as a pilot project. The colonies proposed are: -

- 1 Ravinder Nagar (D-I Flats & RBI Flats),
- 2 Bapa Nagar (C-I & C-II),
- 3 Kaka Nagar (D-II Flats, NDMC Flats & Red Cross Society Flats),
- 4 Bharti Nagar (D-I Flats),
- 5 Tilak Lane (C-I, C-II & AB Flats),
- 6 Moti Bagh (D-II, C-II Flats)

As discussed in the meeting with Chairperson, NDMC and representative of Chintan (NGO), it was decided that NGO - Chintan will carry out this activity (to start with) as per the decisions taken which are as under: -

NGO's RESPONSIBILITY:-

The NGO i.e. Chintan shall be allowed to carry this activity in the above said residential colonies through its sanitation volunteers who will be properly dressed having police verification and identity cards displayed. The volunteers will also have protective measures provided by the NGO. The NGO shall be liable to contact with the RWA and prepare an MOU with them. The NGO and RWA may settle any service charges but not more than Rs. 50/- per household to provide this service.

1. NGO will provide the manpower and equipments except vehicles for collection of garbage from every household. They will also provide uniform and identity card to the workers tentatively named as sanitation volunteer. They will remain the liability of NGO only.
2. NGO will make an MOU with RWA for door-to-door collection of garbage and will be allowed to make an agreement with the RWA to get some remuneration for this service which shall not exceed more than Rs. 50/- per household.
3. NGO will not disturb any other worker privately engaged by the household rather will try to fit them in their own system.

NDMC's RESPONSIBILITY

1. NDMC will give an official permission to the NGO to carry out this activity at the mentioned areas.
2. NDMC will provide two bins (one blue and one green) to the entire household initially free of cost. Afterward that will be the responsibility of the householder to maintain them.
3. NDMC will provide adequate number of tricycle rickshaws to the NGOs as per the requirement of the area (roughly one rickshaw per 200 houses) free of cost.
4. NDMC will allow the sanitation volunteer of the NGO to enter in the garbage station for deposition and segregating of garbage.

To make aware about this plan the RWAs/MTAs were invited in an interactive session held on 28-07-07 at the community centre Jor Bagh. The Hon'ble Chief Minister of Delhi and Chairperson and Members of NDMC addressed the representative of RWAs and MTAs. The representatives of RWAs/MTAs and were categorically informed about their role & responsibilities, NDMC's responsibility and NGOs role/responsibilities in the door-to-door garbage collection programme. Also a number of meetings were held with the Inspectorate staff, Supervisory staff and lower staff in the different field meetings.

Some of the RWAs/MTAs have submitted their letters for their willingness to start door-to-door garbage collection scheme in their area (Letters are placed in the file). Two meetings were also held in the chamber of the MOH and one meeting in the office of the undersigned with the representative of NGOs i.e. 1. Chintan 2. Action for Green Earth 3. Sarvodaya International Samaj Kalyan Society to submit their survey report of the circles assigned to them. Only the Chintan- NGO has submitted their survey report (placed in the file). The other NGOs i.e. Action for Green Earth and Sarvodaya International Samaj Kalyan Society yet have not submitted their survey report on the circles assigned for door-to-door garbage collection.

NDMC proposes to start this activity in the areas i.e. Ravinder Nagar (D-I Flats & RBI Flats), Bapa Nagar (C-I & C-II), Kaka Nagar (D-II Flats, NDMC Flats & Red Cross Society Flats), Bharti Nagar (D-I Flats), Tilak Lane (C-I, C-II & AB Flats) and Moti Bagh (D-II, C-II Flats) through the already working NGO – Chintan. The NGO has submitted the survey report. As the other two NGOs have not submitted their survey report till date, it is proposed to start the door-to-door garbage collection in the mentioned areas by the NGO - Chintan. The Chintan – NGO has shown the uniform, I-cards etc. to be provided to the workers and promised to provide them all other gadgets as per MSW Rules 2000.

Different types of bins available in market were surveyed by Health Department and NGOs. A model dustbin was selected seeing the capacity and feasibility of collection of garbage at the doorsteps. The models were shown to Chairman NDMC and then afterward to the Hon'ble Chief Minister of Govt. of NCT OF Delhi (photographs of the selected model of the dustbins are attached in the file). Simultaneously a tricycle rickshaw design was also finalized. Accordingly rates were collected from the manufacturer for making estimate for project.

FINANCIAL IMPLICATION:-

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| a. Provision of twin bins set (one blue and one green) of 10 Lts. Capacity each for every household of the above mentioned residential area. | |
| b. Total requirement of twin bin | = 1100 |
| c. Estimated cost of one set of twin bin (Blue + green) | = Rs. 800/- + tax |
| d. Total expenditure on bin | = Rs.1100 x 800=8,80,000+ taxes 12% (9,85,600/- approx.) |
| e. No. of tricycle rickshaw required | = 12 |
| f. Cost of one tricycle rickshaw | = Rs. 20000/- Approx. (inclusive of all taxes) |
| g. Total cost of tricycle rickshaw | = Rs 20000 x 12 = 2.4 lacs |
| h. 5% Contingencies expenditure | Rs. 61,280/- |
| i. Total financial implications | = Rs. 12,86,880/- (in round figure about 13 lacs including 5% contingencies) |

Now to start with the project the following approval may kindly be accorded: -

1. Permission to grant to start door to door garbage collection by the Chintan an NGO in the residential colonies of Ravinder Nagar (D-I Flats & RBI Flats), Bapa Nagar (C-I & C-II), Kaka Nagar (D-II Flats, NDMC Flats & Red Cross Society Flats), Bharti Nagar (D-I Flats), Tilak Lane (C-I, C-II & AB Flats), Moti Bagh (D-II, C-II Flats).
2. Administrative approval and expenditure sanction of about Rs. 13 lacs for the above proposed pilot project.
3. Approval for formation of sub-committee comprising of MOH, CMOs (N & S), Director (PR), AO (PH), one representative from Finance Department and SO (HG) for initiating the process for the procurement of necessary equipment for the door to door garbage collection scheme.

Chairperson, NDMC vide his approval dated 24-10-2007 on N/P-47 approved the above proposals with the following remarks:-

"As proposed. Follow codal formalities for procurement. We need to take off the block now & cover the entire NDMC within four months. Secretary to monitor and MOH to coordinate. Have sensitization program also with the NGO. We may keep the Council informed in its 5th Nov. meeting."

The subject case was again discussed with Chairperson, NDMC. Chairperson directed that we should also include South Avenue & North Avenue MP Flats and Meena Bagh Flats in the on going Pilot project of door-to-door collection of garbage. Accordingly information was gathered from the concerned field staff and it was informed by the respective Area Sanitary Inspectors that a total no. of 500 flats exists in this area. Therefore after addition of 500 flats in the 1100 flats already identified, the approval of which has already been taken vide note on N/P-43-47, the revised financial implications will occur as under:-

REVISED FINANCIAL IMPLICATION:-

Revised estimate has been prepared with consultation AO (PH) which is as below:-

a.	Provision of twin bins set (one blue and one green) of 10 Lts. Capacity each for every household and tricycle rickshaw of the above mentioned residential areas.				
b.		Nos. already sanctioned on N/P -46	Nos. now added in the above revised proposal.	Total nos.	Estimate cost based on quotation dated 16-10-07 of M/s Sheetal.
c.	Total requirement of twin bin	1100	500	1600	
d.	Estimated cost of one set of twin bin (Blue + green)				Rs. 800/- + 12.5% tax = Rs. 900/- each twinbin
e.	Total expenditure on twin bin				1,600 nos. x Rs. 900/- = 14,40,000/-
f.	No. of tricycle rickshaw required	12	--		12 = 8 + 4 (4 to be kept for issue in case of emergency due to defect in issued tricycle rickshaw)
g.	Cost of one tricycle rickshaw				Rs. 17,500/- + 12.5 % tax = Rs. 19,688/-
h.	Total cost of tricycle rickshaw				Rs. 19,688/- x 12 nos. =Rs 2,36,256/-
i.	Contingencies expenditure on (e & h)				Rs. 83,813/-
j.	Total revised financial implications				Rs. 17,60,069/- say Rs. 17,60,000/-

Revised Estimate expenditure and administrative approval required for

Now to start with the project the following approval may kindly be accorded: -

1. Permission to grant to start door to door garbage collection by the Chintan an NGO in the residential colonies of Ravinder Nagar (D-I Flats & RBI Flats), Bapa Nagar (C-I & C-II), Kaka Nagar (D-II Flats, NDMC Flats & Red Cross Society Flats), Bharti Nagar (D-I Flats), Tilak Lane (C-I, C-II & AB Flats), Moti Bagh (D-II, C-II Flats), South Avenue & North Avenue MP Flats and Meena Bagh Flats.
2. Administrative approval and expenditure sanction of about Rs. 17.60 Lacs approx. for the above proposed pilot project.
3. Approval for formation of a sub-committee comprising of MOH, CMOs (N & S), Director (PR), AE (Projects), one representative from Finance Department and SO (HG) for initiating the process for the procurement of necessary equipments for the door to door garbage collection scheme through call of short notice open tenders process.
4. The MOU between the NGO and concerned RWA will be executed between the parties and kept by them for watching due performance.
5. To grant Ex Facto sanction of total expenditure of Rs. 67,777/- for arrangement of tea, biscuits, mineral water, lunch for 200 persons, dais, chair, table tent etc. and two back drop banner for interactive session on door to door garbage collection which was organized at Jor Bagh Community Centre. The detail note are at Page No. -40 & 41.

The above proposal have been approved by the Chairperson, NDMC on N/P-50.

The case is laid before the Council for consideration and approval of proposals at Sr. No. 1-5 above.

COUNCIL'S DECISION

Resolved by the Council that in principle approval is accorded to the scheme and administrative approval and expenditure sanction to the estimated cost of Rs.17.60 lacs is accorded for starting door to door garbage collection by NDMC, with the help of Chintan, an NGO, in the residential colonies of Ravinder Nagar (D-I Flats & RBI Flats), Bapa Nagar (C-I & C-II), Kaka Nagar (D-II Flats, NDMC Flats & Red Cross Society Flats), Bharti Nagar (D-I Flats), Tilak Lane (C-I, C-II & AB Flats), Moti Bagh (D-II, C-II Flats), South Avenue & North Avenue MP Flats and Meena Bagh Flats.

The Council further decided to grant ex-post-facto approval of the total expenditure of Rs. 67,777/- for arrangement of tea, biscuits, mineral water, lunch for 200 persons, dais, chair, table tent etc. and two back drop banner for interactive session on door to door garbage collection which was organized at Jor Bagh Community Centre.

The Council also accorded approval for formation of a Sub-committee, comprising of MOH, CMOs (N & S), Director (PR), AE (Projects), one representative from Finance Department and SO(HG), for initiating the process for the procurement of necessary equipments for the door to door garbage collection scheme through call of short notice open tenders process.

It was further decided that the MOU between the NGO and the concerned RWA will be executed between the parties and kept by them for watching due performance.

Department may initiate action in anticipation of confirmation of minutes.