

## **ACKNOWLEDGEMENT**

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## **METHODOLOGY**

The Work Study team has applied the following techniques for completion of the Work Study.

1. Collection of the details of work Load.
2. Interaction with the Officers and Staff.
3. Observation of the pattern of working.
4. Critical examination of the existing system of working and
5. Assessment of manpower requirement for the existing work Load by applying yardstick and practical observation of it.

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## **ÞÑǫÜ÷®ǫǫ SYNOPSIS**

- ❖ **ðǎðæðŮð/SUBJECT:** REVIEW OF STAFF STRENGTH OF MEDICAL SAFAIWALAS OF RAILWALWAY COLONIES OVER HYB DIVN.
- ❖ **Ñßðòİð"îðŮ/AUTHORITY:** Annual Programme of Work studies for the year 2018-19.
- ❖ **İ<sup>3</sup>ŮðŮðĐð çðü/ STUDY No:** G.276/2/WSSCR- 30/2018-19
- ❖ **±ðòÃðòǎðòİð"îðêð÷ëð/AREA OF ACTIVITY:** Railway Colonies over HYB division
- ❖ As approved by SDGM, the Central Planning cell of South Central Railway has taken up Work-study on the "Review of Staff Strength of Medical Safaiwalas of Railway Colonies of HYB city over Hyderabad Division".
- ❖ CMS/HYB nominated CHI/N.LGD/HYB & CHI/CKL/HYB to coordinate and associate with the Workstudy team in conducting Workstudy.
- ❖ Medical Safaiwalas of Railway Colonies have been entrusted with the job of maintaining sanitation, which includes not only cleanliness, but also process the elimination of pathogenic bacteria and germs from human habitation. In this process sweeping and cleaning are the related activities involved in sanitation. Sweeping is an act of the process of cleaning the waste material of rubbish, litter, garbage etc., from the premises of Railway colony.
- ❖ In order to have first hand information the Work-study team visited all the Railway colonies of HYB over HYB division and observed the working pattern, various processes involved in cleaning activity. The Work-study team made an analysis on the requirement of staff based on the Practical Observation and following parameters.
  - a) out sourcing activities in connection with Medical Safaiwalas.

- b) Yardstick to assess the requirement of Medical Safaiwalas
- c) Calculation of Medical Safaiwalas requirement as per yardstick and need base
- d) Summary of SAVE Position of Medical Safaiwalas over HYB division
- e) Recommendation to surrender Medical Safaiwalas due to Contract works and posts are lying vacant.

➤ **Out sourced activities in connection with Medical Safaiwalas :** 9 activities are outsourced with 20 contract staff (**Para 3.5**)

➤ **Yardstick to assess the requirement of Medical Safaiwalas**

The available yardstick which is the basis to assess the requirement of Medical Safaiwalas, as per **FA & CAO's Lr.No. A/FE/Medical/57/SC, dated 17.12.68.**

- i) In case of buildings where sweeping is done, it may be calculated at 75,000 sq.ft for 08 hours.
- ii) For Colony area sweeping @1 lakh to 1.2 lakhs Sq.ft. can be done in 08 hours by one safaiwala.
- iii) Open drains: For large drains @ 6000 Rft. & small drains with 8000 Rft Cleaning can be done in 8 hours by one safaiwala.

➤ **Calculation of Medical Safaiwalas requirement as per yardstick and need base for all Railway Colonies of HYB city over HYB division**

The Work-study Team has taken only the net sweep-able area for cleaning/sweeping activity only on the basis of practical observation of the work content while calculating the requirement of staff.

❖ **R.R.COLONY**

The Railway Quarters position of colony

Type-I	Type-II	Type-IV	Type-V	Spl Bunglow	Total
29	123	17	38	1	208

- Area of Roads : 60898 Sq.Mts (1 sqm =10.76 sqft) or **655262.48 sft**
- Area of Path ways : 83778 Sq.Mts or **901451 sft** (1 sqm =10.76 sqft)

- Area of Stair cases : 355.32 Sq.Mts or **3823.24 sft** (1 sqm =10.76 sqft)

### Calculation of man power (Safaiwala) requirement at CHI/RRC

S.N	Description of work	Area in sft/rft	Yardstick	Man power reqd
1	<b>Sweeping of Lancer Colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Roads and surrounding with rag picking.	65526 2.48 sft	1,20,000 sft. can be done in 08 hours by one safaiwala	5.46, say 5
2	<b>Sweeping Path ways of Railway Quarters of colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Path ways of Railway Quarters and surrounding with rag picking	90145 1 sft	75,000 Sq.ft. can be done in 08 hours by one safaiwala	12.01, say 12
3	<b>Sweeping Stair cases of Railway Quarters of colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Stair cases of Railway Quarters and surrounding with rag picking	3823. 24 sft	75,000 Sq.ft. can be done in 08 hours by one safaiwala	0.05, say 1
5	<b>Cleaning of drains:-</b> Daily regular cleaning of drains, removal of muck, removal of vegetation in drains, thorough de-silting.	-	-	-
6	<b>a) Anti larval &amp; anti mosquito measures :-</b> sprinkling of larvacides on stagnated water, spraying of insecticides in residence once in fortnight, fogging in the colony as and when required at least once in month.  <b>b) Service buildings:-</b> Cleaning of sanitary amenities in all offices with detergent and dis-infectants	-	-	1
	<b>Total</b>			<b>19</b>
	<b>LR/RG @ 22.5%</b>			<b>4</b>
	<b>Grand Total</b>			<b>23</b>

❖ **SOUTH LALLAGUDA COLONY (STPD, METTUGUDA COLONIES)**

The Railway Quarters position of colony

1.	Total no.of Railway Quarters	1022
2.	Total dwelling quarters	818
3.	No.of multistored buildings	213

- Area of Roads : 80353 Sq.Mts (1sqm =10.76 sqft) or **864598.28 sft**
- Area of Path ways : 68601 Sq.Mts or **738146.76sft**
- Area of Stair cases : 26034.49 Sq.Mts or **280131.11 sft.**
- Open Drains length : 2409 Mtrs or **7901.52 ft** (1m=3.28 ft)

❖ **Calculation of man power (Safaiwala) requirement at CHI/SOUTH LGD**

S.No	Description of work	Area in sft/rft	Yardstick	Man power reqd
1	<b>Sweeping of South lallaguda Colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Roads and surrounding with rag picking.	864598.28 sft	1,20,000 sft. can be done in 08 hours by one safaiwala	7.20, say 7
2	<b>Sweeping Path ways of Railway Quarters of colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Path ways of Railway Quarters and surrounding with rag picking	738146.76 sft	75,000 Sq.ft. can be done in 08 hours by one safaiwala	9.84 say 10
3	<b>Sweeping Stair cases of Railway Quarters of south lallaguda colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Stair cases of Railway Quarters and surrounding with rag picking	280131.11 sft	75,000 Sq.ft. can be done in 08 hours by one safaiwala	3.73 say 4
4	<b>Cleaning of drains:-</b> Daily regular cleaning of drains, removal of muck, removal of vegetation in drains, thorough de-silting.	7901.52 ft	8000 Sq.ft. can be done in 08 hours by one safaiwala	0.98 say 1
5	<b>a) Anti larval &amp; anti mosquito measures :-</b> sprinkling of larvacides on stagnated water, spraying of insecticides	-	-	1

	in residence once in fortnight, fogging in the colony as and when required at least once in month.			
	<b>b) Service buildings:-</b> Cleaning of sanitary amenities in all offices with detergent and dis-infectants			
	<b>Total</b>			<b>23</b>
	<b>LR/RG @ 22.5%</b>			<b>6</b>
	<b>Grand Total</b>			<b>29</b>

#### ❖ CKL COLONY

The Railway Quarters position of colony

1.	Total no.of Railway Quarters colony	1045
2.	Total dwelling quarters colony	997
3.	No.of multistored buildings in colony	66

- Area of Roads : 83963.00 Sq.mts or sq.ft **903441.88 sft**
- Area of Path ways : 55446 Sq.mts or **596598 sq.ft**
- Area of Stair cases : 18480 Sq.Mts or **198844.8 sft.**
- Open Drains length : 1490 Mtrs or **4887 ft** (1m=3.28 ft)

#### Calculation of man power (Safaiwala) requirement at CHI/CKL

S.N	Description	Area in sft/rft	Yardstick	Man power reqd
1	<b>Sweeping of Chilakalguda Colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Roads and surrounding with rag picking.	903441.88 sq.ft	1,20,000 sft. can be done in 08 hours by one safaiwala	7.52
2	<b>Sweeping Path ways of Railway Quarters of colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Path ways of Railway Quarters and surrounding with rag picking	596598 sft	75,000 Sq.ft. can be done in 08 hours by one safaiwala	7.95
3	<b>Sweeping Stair cases of Railway</b>	198844	75,000 Sq.ft.	2.65

	<b>Quarters of colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Stair cases of Railway Quarters and surrounding & rag picking	.8 Sq.ft	can be done in 08 hours by one safaiwala	
4	<b>Cleaning of drains:-</b> Daily regular cleaning of drains, removal of muck, removal of vegetation in drains, thorough de-silting.	4887 Sq.ft	8000 Sq.ft. can be done in 08 hours by one safaiwala	0.61
5	<b>a) Anti larval &amp; anti mosquito measures :-</b> sprinkling of larvacides on stagnated water, spraying of insecticides in residence once in fortnight, fogging in the colony as and when required at least once in month.  <b>b) Service buildings:-</b> Cleaning of sanitary amenities in all offices with detergent and dis-infectants	-	-	1
	<b>Total</b>			<b>19.7 say 20</b>
	<b>LR/RG @ 22.5%</b>			<b>4</b>
	<b>Grand Total</b>			<b>24</b>

#### ❖ NORTH LALLAGUDA COLONY

The Railway Quarters position of colony

1.	Total no.of Railway Quarters of colony	1479
2.	Total dwelling quarters of colony	872
3.	No.of multi storied buildings of colony	44

- Area of Roads : 340723 sq fts.
- Area of Path ways : 1108692 sft
- Area of Stair cases : 176844.99 Sq.fts
- Open Drains length : 4167.01 sq fts

#### ❖ Calculation of man power (Safaiwala) requirement at CHI/NORTH LGD

S.N	Description of work	Area in sft/rft	Yardstick	Man power
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				reqd
1	<b>Sweeping Road area of North Lallaguda Colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Roads and surrounding with rag picking.	340723 sft	1,20,000 sft. can be done in 08 hours by one safaiwala	2.83
2.	<b>Sweeping Path ways of Railway Quarters of colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Path ways of Railway Quarters and surrounding with rag picking	110869 2 sft	75,000 Sq.ft. can be done in 08 hours by one safaiwala	14.78
3	<b>Sweeping Stair cases of Railway Quarters of colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Stair cases of Railway Quarters and surrounding with rag picking	176844 .99 sft	75,000 Sq.ft. can be done in 08 hours by one safaiwala	2.35
4	<b>Cleaning of drains:-</b> Daily regular cleaning of drains, removal of muck, removal of vegetation in drains, thorough de-silting.	4167.0 1 sq fts	8000 Sq.ft. can be done in 08 hours by one safaiwala	0.52
5	<b>a) Anti larval &amp; anti mosquito measures :-</b> sprinkling of larvacides on stagnated water, spraying of insecticides in residence once in fortnight, fogging in the colony as and when required at least once in month.  <b>b) Service buildings:-</b> Cleaning of sanitary amenities in all offices with detergent and dis-infectatnts	-	-	1
	<b>Total</b>			<b>21</b>
	<b>LR/RG @ 22.5%</b>			<b>4</b>
	<b>Grand Total</b>			<b>25</b>

### 3.9.5 MLY COLONY

The Railway Quarters position of colony

1.	Total No.of Railway Quarters colony	729
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- Area of Roads : 48000 sq.mts or 516480 sft
- Area of Stair cases : 5540 Sq.mts ( 1 Sq m =10.76 sq ft) or 59610sft
- Open Drains length : 3628 mts or 16400 fts (1m=3.28 ft)

❖ **Calculation of man power (Safaiwala) requirement at CHI/MLY COLONY**

S.N	Description of work	Area in sft/rft	Yardstick	Man power reqd
1	<b>Sweeping MLY Colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Roads and surrounding with rag picking.	516480 sft	1,20,000 sft. can be done in 08 hours by one safaiwala	4.30 say 4
2	<b>Sweeping Stair cases of Railway Quarters of colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Stair cases of Railway Quarters and surrounding with rag picking	59610 sft	75,000 Sq.ft. can be done in 08 hours by one safaiwala	0.79 say 1
3	<b>Cleaning of drains:-</b> Daily regular cleaning of drains, removal of muck, removal of vegetation in drains, thorough de-silting.	11900 sq fts	8000 Sq.ft. can be done in 08 hours by one safaiwala	1.48 say 1
4	<b>a) Anti larval &amp; anti mosquito measures :-</b> sprinkling of larvacides on stagnated water, spraying of insecticides in residence once in fortnight, fogging in the colony as and when required at least once in month.  <b>b) Service buildings:-</b> Cleaning of sanitary amenities in all offices with detergent and dis-infectants	-	-	1
	<b>Total</b>			<b>7</b>

	<b>LR/RG @ 22.5%</b>	<b>1</b>
	<b>Grand Total</b>	<b>8</b>

#### ❖ **KACHIGUDA COLONY**

The Railway Quarters position of colony

1.	Total No.of Railway Quarters of colony	386
2.	Total dwelling quarters of colony	386
3.	No.of multi storied buildings in colony	55

- Area of Roads : 30472.00 sq mts or 327878.72 sq.ft
- Area of path ways : 12994.34 sq.mts or 139819.09 ( 1 S.qm. =10.76 sqft)
- Area of Stair cases : 1450 Sq.mts or 15602 sft
- Open Drains length : 2200.00 mts or 7216 fts(1m=3.28 ft)

#### ❖ **Calculation of man power (Safaiwala) requirement at CHI/KCG COLONY**

S.N	Description of work	Area in sft/rft	Yardstick	Man power reqd
1	<b>Sweeping Kacheguda Colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Roads and surrounding with rag picking.	327878.72 sft	1,20,000 sft. can be done in 08 hours by one safaiwala	2.73 say 3
2	<b>Sweeping Path ways of Railway Quarters of colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Path ways of Railway Quarters and surrounding with rag picking	139819.09 sft	75,000 Sq.ft. can be done in 08 hours by one safaiwala	1.86 say 2
3	<b>Sweeping Stair cases of Railway Quarters of colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Stair cases of Railway Quarters and surrounding with rag picking	15602 sft	75,000 Sq.ft. can be done in 08 hours by one safaiwala	0.20 say 1
4	<b>Cleaning of drains:-</b> Daily regular	7216.0	8000 Sq.ft. can	0.90

	cleaning of drains, removal of muck, removal of vegetation in drains, thorough de-silting.	1 sq fts	be done in 08 hours by one safaiwala	say 1
5	<b>a) Anti larval &amp; anti mosquito measures :-</b> sprinkling of larvacides on stagnated water, spraying of insecticides in residence once in fortnight, fogging in the colony as and when required at least once in month. <b>b) Service buildings:-</b> Cleaning of sanitary amenities in all offices with detergent and dis-infectants	-	-	1
	<b>Total</b>			<b>8</b>
	<b>LR/RG @ 22.5%</b>			<b>2</b>
	<b>Grand Total</b>			<b>10</b>

❖ **SAVE Position of Medical Safaiwalas over HYB division**

The consolidated scale check of Medical Safaiwalas over Hyderabad Division as on 01.07.2018 as per the BOS provided by personnel branch is furnished below:

Category		Pay Band & Grade Pay		As on	
Safaiwala/ Sr. Safaiwala/ Safaiwala Jamadar/Sr.S Jamadar.		PB-1 Rs.5200-20200 plus Rs.1800 Grade Pay.		01.07.2018.	
S.No.	Stn/Unit	San	Act	Vac	Excess
1	H & MI/MLY COLONY	10	8	2	
2	HU/MLY	01	01	0	0
3	H & MI/CKL COLONY	26	24	2	0
4	H & MI/RRC COLONY	24	23	01	0
5	H & MI/S.LGD COLONY	37	29	08	0
6	H & MI/N.LGD COLONY	31	25	6	0
7	CMS OFFICE	1	1	0	0
8	H & MI/KCG COLONY	10	11	00	-1
9	HU/KCG	02	02	00	0
10	KCG Station	4	00	04	0
11	H & MI/NZB	05	02	3	0

12	HU/NZB	02	02	00	0
13	HU/MBNR	02	02	00	0
14	HU/KRNT	02	01	01	0
15	RMHS/S.LGD	01	01	00	0
<b>TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>-0</b>

❖ **Recommendation to surrender Medical Safaiwalas due to Contract works and posts are lying vacant.**

Thus after analyzing the nature of duties of safaiwalas by practical observation and applying the yardstick, the requirement of Medical Safaiwalas for the Railway Colonies of HYB city over HYB Division is **calculated at para 3.9** and summarized below:

S.N	Name of the Unit	Sanction	Actual	Requirement of staff	Excess staff
1	H & MI/MLY COLONY	10	8	8	2
2	H & MI/CKL COLONY	26	24	24	2
3	H & MI/RRC COLONY	24	23	23	1
4	H & MI/S.LGD COLONY	37	29	29	8
5	H & MI/N.LGD COLONY	31	25	25	6
6	H & MI/KCG COLONY	10	10	10	0
	<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

The sanctioned strength of Medical safaiwalas for the Railway Colonies of HYB city over HYB Division is 138, the actual staff is 119, requirement is 119, and found 19 staff excess on requirement.

Hence, recommended as follows.

**Recommendation No.1**

- It is recommended to **surrender 19 posts** from sanctions of Medical Safaiwalas of Medical department at Railway Colonies of HYB city over HYB division.

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## **1.0 ÑßçÃððãðÐðð INTRODUCTION:**

- 1.1 **Ü÷âðð÷ü "íó ØððòÙð"îð/RAILWAY'S ROLE:** Indian Railways is one of the biggest transport organizations whose services are utilized by a large number of floating population. It becomes more important to maintain hygiene to avoid spread of any communicable disease. Therefore, it is advised to have a set up which can ensure cleanliness and hygiene in the Railway premises both in the station area, Divisional Railway Hospital and in the Railway colony.
- 1.2 Apart from running of trains, maintaining cleanliness in the station premises, Railway colonies and Railway Hospitals is one of the prime objectives of the Railway.
- 1.3 **çðüμððâðÐðãÚðÚð Ùð÷ ãðöòÎ INCREASING OPERATING EXPENSES:** The operating/working expenses are increasing year after year. It is therefore imperative that to keep the working expenses within financially viable limits, the Railways have no alternative but to reduce the expenses from all the corners. The major portion of expenses being staff expenses all out efforts have to be made to contain it. In order to exercise control over expenditure, Railway Board identified certain non-core activities which are not directly related with train operations and safety can be outsourced as per RB Lr. No. E(MPP) 2016/1/59 dated 10/01/17 .
- 1.4 **òÜÑðð÷¾á "íó ÑðòÜ"îâÑðððð / GENESIS OF THE REPORT:** Keeping the above objects in mind and giving priority to the Railway main motto of safety, security, punctuality and cleanliness in particular, the Central Planning Organization under the control of SDGM conducted Workstudy on "**Review of staff strength of Medical Safaiwalas of Railway Colonies of HYB city over Hyderabad Division**".
- 1.5 **çðÒîðý "îðÚðá ïðøÜ òüμðð"îÃçðð òãðØðð±ð "îð ÜðèÃãð/WORK & IMPORTANCE OF RAILWAY COLONY AND MEDICAL DEPT:** Sanitation means maintaining a clean environment so that the beneficiaries stay in neat and hygienic environment. The modern scientific term is Environmental Engineering. Railway stations, colonies, Railway Hospitals and all work places are to be maintained in a hygienic and clean manner and adequate care is to be taken at the planning stage. Keeping this objective in view, special emphasis is laid on sweeping, collection and disposal of refuse, sewage and sullage in a scientific manner.

- 1.6 Safaiwalas situated in Railway Colonies of Medical Branch are responsible for up keeping the sanitation of Railway colony. The Work-study team studied this activity of Medical Safaiwalas of Railway Colonies of HYB city over HYB Division and humbly presents this report.

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## ÍÚððÚð- 2

CHAPTER - 2

### **2.0 ãðÃðáÙððÐð çðü±ð¿ÐððÃÙð"î Áðûμðð/ EXISTING SCENARIO:**

- 2.1 **çðü±ð¿Ðð/ORGANISATION:** For the administrative convenience, Medical Department of Hyderabad Division is headed by Chief Medical Superintendent and in turn assisted by Sr.DMO/KCG, Sr.DMO/KRNT, Sr.DMO/MLY, Sr.DMO/NZB, ADMO/MBNR in various health units over the division & AHO at Divisional Level. Chief Health Inspectors/Health Inspectors of stations & colonies are directly under the control of Medical Superintendent of the respective Health Units.

### **2.2 CLEANLINESS AND IMPLEMENTATION:**

As per Commercial Circular No.19 issued under Railway Board's Lr. No.99/T/GIV/ 10/P/Sanitation policy dt: 16/08/2000, in the Divisional Headquarters, sanitation being a multi disciplinary subject is coordinated by ADRMs directly. In the Headquarters, AGM is coordinating the cleanliness of Zonal Railway, trains and colonies and other establishments. All the sanitation work within the station premises shall be under the control of Station Superintendent/Station Manager. Sanitary Inspector, IOW and Electrical Charge man where exclusively posted for the station maintenance shall be placed under the administrative control of the Station Superintendent/Station Manager.

### **2.3 BROAD CATEGORIZATION OF CLEANING ACTIVITIES AT RAILWAY COLONY/HYB:**

Medical Safaiwalas of Medical Department attend cleaning activity in Colonies and Railway stations under the supervision of respective Chief Health Inspector/Health Inspector as follows.

- a. Maintenance of cleanliness manually.
- b. Removal of debris.
- c. Garbage disposal management.
- d. Cleaning of drains.
- e. Cleaning sanitary amenities.

#### 2.4 **ç"÷îâð µð÷"î/SCALE CHECK OF MEDICAL SAFAIWALAS OF HYB DIVISION:**

The consolidated scale check of Medical Safaiwalas over Hyderabad Division as on 01.07.2018 as per the book of sanctions provided by personnel branch is furnished below:

Category		Pay Band & Grade Pay		As on	
Safaiwala/ Sr. Safaiwala		Rs.1800 Grade Pay.		01.07.2018.	
<b>S.No.</b>	<b>Stn/Unit</b>	<b>San</b>	<b>Act</b>	<b>Vac</b>	<b>Excess</b>
1	H & MI/MLY	10	8	2	
2	HU/MLY	01	01	0	0
3	H & MI/CKL	26	24	2	0
4	H & MI/RRC	24	23	01	0
5	H & MI/S.LGD	37	29	08	0
6	H & MI/N.LGD	31	25	6	0
7	CMS OFFICE	1	1	0	0
8	H & MI/KCG COLONY	10	11	00	-1
9	HU/KCG	02	02	00	0
10	KCG Station	4	00	04	0
11	H & MI/NZB	05	02	3	0
12	HU/NZB	02	02	00	0
13	HU/MBNR	02	02	00	0
14	HU/KRNT	02	01	01	0
15	RMHS/S.LGD	01	01	00	0
<b>TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>-0</b>

**2.5 RETIREMENT PROFILE OF WORKING MEDICAL SAFAIWALAS IN RAILWAY COLONIES (S.LGD, N.LGD, KCG, RRC, CKL, MLY) OVER HYB DIVISION AS ON 27.9.2018**

S.No	Name	Desg	D.O.B	D.O.A	D.O.R	Educational qualification
1	Shakuntala	M.safaiwala	22.12.1958	1.8.1978	31.12.2018	NIL
2	C.Yadamma	M.safaiwala	12.7.1959	1.11.1983	31.7.2019	NIL
3	J.Ramasithamma	M.safaiwala	26.10.1960	4.9.1985	31.10.2020	NIL
4	K.Yadagiri	M.safaiwala	4.2.1963	11.6.1986	28.2.2023	NIL
5	v.saraiah	M.safaiwala	22.11.1963	25.6.1986	30.11.2023	NIL
6	T.Kalavathi	M.safaiwala	2.1.1970	16.3.1989	31.1.2030	NIL
7	J.Amrutha	M.safaiwala	5.1.1965	1.8.1980	31.1.2025	NIL
8	L.Venkatswamy	M.safaiwala	12.6.1967	29.8.1990	30.6.2027	NIL
9	J.Pochamma	M.safaiwala	10.7.1961	10.4.1992	31.7.2021	NIL
10	Shankaramma	M.safaiwala	14.8.1967	1.3.1994	31.8.2027	NIL
11	CH.Vijayalakshmi	M.safaiwala	11.7.1974	13.12.1996	31.7.2034	NIL
12	SD.Shakeel	M.safaiwala	8.10.1972	16.1.1997	31.10.2032	NIL
13	G.Padma Dasarath	M.safaiwala	28.3.1966	8.3.1997	31.3.2026	NIL
14	Sugunamma	M.safaiwala	10.7.1968	28.12.1997	31.7.2028	NIL
15	G.Padmaganesh	M.safaiwala	14.11.1962	6.9.2001	30.11.2022	NIL
16	V.laxmi	M.safaiwala	8.3.1960	21.10.200	31.3.2020	NIL

17	P.Neelamma	M.safaiwala	18.10.1965	20.5.2002	31.10.2025	NIL
18	C.Yadamma .R	M.safaiwala	2.5.1965	10.8.2002	31.5.2025	NIL
19	B.Yadalaxmi .p	M.safaiwala	25.2.1967	22.8.2002	28.2.2027	NIL
20	J.Laxmi	M.safaiwala	8.3.1960	21.10.2003	31.3.2020	NIL
21	B.Padmavati amma	M.safaiwala	10.2.1973	23.10.2003	31.10.2033	NIL
22	M.Laxmibai	M.safaiwala	20.12.1959	1.9.2009	31.12.2009	NIL
23	K.Vijayakumar	M.safaiwala	10.6.1982	3.2.2003	31.6.2042	S.S.C
24	K.Ramulamma	M.safaiwala	1.7.1969	5.1.2010	31.7.2029	NIL
25	E.Laxmishekar	M.safaiwala	20.1.1961	20.12.1993	31.1.2021	NIL
26	B.Yellaiah	M.safaiwala	31.10.1961	16.6.1986	31.10.2021	9 <sup>th</sup> class
27	Y.Venkatswamy	M.safaiwala	7.2.1959	16.7.1986	28.2.2019	NIL
28	L.Durgabhai	M.safaiwala	2.8.1960	9.8.1990	31.8.2020	NIL
29	Khajamoinuddin	M.safaiwala	10.10.1961	13.11.1992	31.10.2021	10 <sup>th</sup> class
30	K.Satyamma	M.safaiwala	1.1.1961	16.9.1993	31.1.2021	NIL
31	G.Anjanadevi	M.safaiwala	24.10.1962	7.7.1995	31.10.2022	NIL
32	L.Ramudu	M.safaiwala	1.7.1959	24.6.1995	31.7.2019	NIL
33	F.Begum	M.safaiwala	1.7.1966	14.2.1997	31.7.2026	NIL
34	Anasurya	M.safaiwala	7.2.1961	25.6.1997	28.2.2021	7 <sup>th</sup> class
35	T.Dhanalakshmi	M.safaiwala	11.1.1968	13.2.1991	31.1.2028	NIL

36	N.Laxmi	M.safaiwala	4.1.1959	25.12.1997	31.1.2019	NIL
37	K.Laxmi	M.safaiwala	1.1.1966	29.5.2000	31.1.2026	NIL
38	G.Kalavathi	M.safaiwala	27.12.1959	13.3.1998	31.12.2019	NIL
39	Rayeesa anjum	M.safaiwala	27.7.1971	20.3.2001	31.7.2031	10 <sup>th</sup> class
40	K.Padmavathi	M.safaiwala	9.8.1973	18.4.2001	31.8.2033	6 <sup>th</sup> class
41	B.Sudharshan	M.safaiwala	5.6.1964	18.5.1988	30.6.2024	NIL
42	C.Chandramma	M.safaiwala	1.7.1959	20.10.2005	31.7.2019	NIL
43	B.Laxmibhai	M.safaiwala	19.6.1964	22.11.2005	30.6.2024	NIL
44	V.Ramesh	M.safaiwala	10.4.1970	3.6.2013	31.4.2030	B.Com,M.A
45	G.Yadamma	M.safaiwala	23.8.1975	30.8.2010	31.8.2035	10 <sup>th</sup> class
46	A.shyamkumar	M.safaiwala	26.11.1982	16.10.2013	30.11.2042	NIL
47	Krishnaveni	M.safaiwala	14.2.1964	2.2.2010	28.2.2024	NIL
48	L.Rajaram	M.safaiwala	14.12.1974	21.9.2003	31.12.2034	NIL
49	P.Rajyalakshmi	M.safaiwala	25.5.1996	13.10.2015	31.05.2056	Inter mediate
50	K.Satyamma	M.safaiwala	10.2.1960	2.6.1988	28.2.2020	NIL
51	Md.Sheriff	M.safaiwala	27.5.1963	18.4.1985	31.5.2023	NIL
52	D.Sudharshan	M.safaiwala	9.5.1964	18.4.1985	31.5.2024	NIL
53	B.Yadamma	M.safaiwala	1.11.1960	18.4.1993	30.10.2020	NIL
54	D.Padmavathi	M.safaiwala	24.3.1963	30.7.1991	31.3.2023	NIL
55	JhansiRani	M.safaiwala	17.1.1961	16.11.199	31.1.2021	5 <sup>th</sup> class

				2		
56	P.Sivarajlaxman	M.safaiwala	1.6.1967	11.3.1991	31.5.2027	NIL
57	G.Sujatha	M.safaiwala	21.2.1970	10.8.1998	28.2.2030	NIL
58	B.Chinnamma	M.safaiwala	7.7.1967	5.7.1999	31.7.2027	NIL
59	K.Narasanna	M.safaiwala	8.6.1960	25.1.2001	30.6.2020	NIL
60	Laxmamma	M.safaiwala	2.3.1967	20.1.2001	31.3.2027	NIL
61	M.Mariapeter	M.safaiwala	10.7.1963	28.8.2002	31.7.2023	5 <sup>th</sup> class
62	G.Swarajyam	M.safaiwala	5.6.1969	1.12.2003	30.6.2029	NIL
63	G.Nagamani	M.safaiwala	1.7.1976	3.5.2004	30.6.2036	NIL
64	B.Prameela	M.safaiwala	23.7.1984	26.5.2004	31.7.2044	NIL
65	Ramarani	M.safaiwala	6.4.1967	14.6.2002	30.4.2027	NIL
66	R.Satyanarayana	M.safaiwala	1.6.1963	11.6.1988	31.5.2023	NIL
67	M.Yadagiri	M.safaiwala	12.7.1959	11.2.1985	31.7.2019	NIL
68	B.Susheela	M.safaiwala	14.10.1970	8.6.2002	31.10.2030	NIL
69	SheleAnand	M.safaiwala	15.7.1975	15.11.2008	31.7.2035	B.A
70	D.Surya	M.safaiwala	10.3.1967	28.12.2009	31.3.2027	NIL
71	U.Srinivas	M.safaiwala	14.2.1969	26.7.1997	28.2.2029	NIL
72	T.Balamani	M.safaiwala	20.3.1969	1.9.1999	31.3.2029	NIL
73	M.Narasamma	M.safaiwala	12.10.1960	3.2.1983	31.10.2020	NIL
74	T.Sarala	M.safaiwala	10.9.1965	18.4.1989	30.9.2025	9 <sup>th</sup> class
75	C.U.Narsing	M.safaiwala	15.1.1960	19.11.199	31.1.2020	NIL

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76	J.Madhavi	M.safaiwala	20.10.1968	24.11.2003	31.10.2028	NIL
77	K.Anasuya	M.safaiwala	6.10.1969	6.1.2006	31.10.2029	NIL
78	K.Mallamma	M.safaiwala	6.4.1963	10.12.2003	30.4.2023	NIL
79	P.Amrutha	M.safaiwala	13.4.1959	24.5.1999	30.4.2019	NIL
80	P.S.Pandu	M.safaiwala	22.7.1966	30.3.2007	31.7.2026	NIL
81	D.Bharati	M.safaiwala	28.5.1964	10.11.1995	31.5.2024	NIL
82	V.Rajashwari	M.safaiwala	25.7.1962	11.10.1983	31.7.2022	NIL
83	SafiaBegum	M.safaiwala	24.6.1960	25.6.1997	30.6.2020	NIL
84	Laxmibai.S	M.safaiwala	5.4.1962	13.2.1997	30.4.2022	NIL
85	C.Urmilabai	M.safaiwala	20.6.1963	4.6.1998	30.6.2023	NIL
86	T.Urmila	M.safaiwala	5.1.1960	12.2.1997	31.1.2020	NIL
87	Mumtazbegum	M.safaiwala	26.5.1967	10.2.2000	31.5.2027	NIL
88	H.Shivalaxmi	M.safaiwala	11.5.1965	8.12.1998	31.5.2025	NIL
89	G.Laxmidevi	M.safaiwala	21.2.1964	22.5.1995	28.2.2024	NIL
90	Dasarath.G	M.safaiwala	2.10.1965	8.5.1988	31.10.2025	NIL
91	G.Ellaiah	M.safaiwala	4.6.1970	20.1.1993	30.6.2030	
92	MD.Imran	M.safaiwala	3.12.1985	14.8.2015	31.12.2045	10 <sup>th</sup> class
93	S.Muthamma	M.safaiwala	28.3.1963	9.1.1987	31.3.2023	NIL
94	Praksh	M.safaiwala	5.5.1961	1.1.1991	31.5.2021	NIL
95	T.Hanumath	M.safaiwala	10.7.1973	6.7.1993	31.7.2033	NIL

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96	Zareenabegum	M.safaiwala	10.4.1967	17.12.1996	30.4.2027	NIL
97	Abida begum	M.safaiwala	8.4.1965	22.11.2003	30.4.2025	NIL
98	Chandrakala	M.safaiwala	5.7.64	11.6.86	31.7.2024	NIL
99	venkatammag		10.2.60	12.6.93	28.2.2020	NIL
100	S.Laxmi	M.safaiwala	11.4.1974	20.10.97	30.4.2034	NIL
101	L.Lingaiah	M.safaiwala	11.4.1974	20.10.93	30.4.2034	NIL
102	G.Gopal	M.safaiwala	4.9.1972	21.2.97	30.9.2032	10 <sup>th</sup> class
103	Mhijabeen	M.safaiwala	15.2.1972	3.5.1996	28.2.2032	
104	T.N.Shyamrao	M.safaiwala	13.8.87	19.9.15	31.8.47	10 <sup>th</sup> class
105	M.Krishna	M.safaiwala	20.8.88	13.6.15	31.8.47	10 <sup>th</sup> class
106	PAPAMMA	M.safaiwala	31.1.1960	2.9.1987	31.1.2020	NIL
107	P.Narsimha	M.safaiwala	14.4.1964	9.6.1986	30.4.2024	NIL
108	R.Nagender	M.safaiwala	20.5.1960	13.1.1987	31.5.2020	NIL
109	B.Laxman	M.safaiwala	15.6.1960	23.8.1986	30.6.2020	NIL
110	N.Bhujangarao	M.safaiwala	3.1.1963	1.6.1986	31.1.2023	NIL
111	D.Yadagiri	M.safaiwala	10.8.1974	25.9.2001	31.8.2034	NIL
112	E.Shantamma	M.safaiwala	23.5.1960	3.7.2002	31.5.2020	NIL
113	K.Ansuya.A	M.safaiwala	19.7.1963	19.10.1989	31.7.2023	NIL
114	A.A.Khan	M.safaiwala	27.10.1979	24.12.2001	31.10.2029	10 <sup>th</sup> class
115	Indirabai	M.safaiwala	1.1.1960	7.2.1997	31.12.2020	NIL
116	K.Pradeep.p	M.safaiwala	1.3.1984	31.5.2013	29.2.2044	NIL

117	Arunarani	M.safaiwala	20.5.1971	4.4.2007	31.5.2031	NIL
118	Beerpal	M.safaiwala	4.2.1960	18.5.1982	29.2.2020	NIL
119	P.Narsimha	M.safaiwala	14.4.1964	9.6.1986	30.4.2024	NIL

## 2.6 DUTIES OF SAFAIWALAS:

**Sanitary Jamadar (Sanitary Maistry):** He will be responsible to extract the work from Safaiwalas as per the instructions of CHI.

**Medical Safaiwalas of Railway colony:** They perform the following duties and participate in cleaning activities as per the instructions of Chief Health inspector for work earmarked.

- a) Cleaning of colony premises, approaches to service buildings.
- b) Rag picking like empty cups, paper covers, and polythene bags.
- c) Picking up of discard water bottles, paper plates and other articles scattered on the specified area.

- d) Picking up of night soil and all other waste /garbage and removal and disposal of the same to an outside dump yard.  
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## 3. CRITICAL EXAMINATION - 3

### CHAPTER –

#### 3

### 3. CRITICAL EXAMINATION:

- 3.1 **GENERAL:** Health is a state of complete physical, mental, spiritual and social well-being and not merely an absence of disease or infirmity i.e., it is a positive concept. Public Health is the science and art of (i) Preventive disease (ii) Prolonged life and (iii) Promoting health efficiency through organized community effort. Public Health administration is the application of Public health principles and techniques for the benefit of the community by official or non-official organizations. On the Railways, the Chief Medical Director is in charge of the Public health Administration and the responsibility for carrying out this work is shared among the Medical, Transportation, Mechanical and Engineering departments.
- 3.2 Sanitation is a device through which public Health can be safeguarded. It means maintaining a clean environment so that the beneficiaries stay in neat and hygienic environment. The modern scientific term is Environmental

Engineering. Railway stations, colonies and all work places are to be maintained in a hygienic and clean manner and adequate care is to be taken at the planning stage itself. Keeping this objective in view, special emphasis is laid on the collection and disposal of refuse, sewage and sullage in a scientific manner. Sanitation services are to be provided in all the Railway premises including the Railway colonies, Railway stations, circulating area, Railway yards, office, coaches and the track. Cleanliness of these areas is a multi-disciplinary approach by various departments.

3.3 The Work study Team approached CMS/HYB in order to conduct Workstudy on Medical Safaiwalas working at Railway colonies of HYB city over HYB Division. In this connection, CMS/HYB nominated CHI/HQ/HYB & Chief OS/HYB to coordinate with the Work Study Team in assessing the requirement of Medical Safaiwalas of Railway Colonies of HYB city over HYB division.

3.4 Medical Safaiwalas of Railway Colonies have been entrusted with the job of maintaining sanitation, which includes not only cleanliness, but also process the elimination of pathogenic bacteria and germs from human habitation. In this process sweeping and cleaning are the related activities involved in sanitation. Sweeping is an act of the process of cleaning the waste material of rubbish, litter, garbage etc., from the premises.

### **3.5 Duties of Safaiwalas:**

They perform the following duties and participate in cleaning activities as per the instructions of CHI for the work earmarked.

- a) Cleaning of colony premises, approaches to service buildings.
- b) Rag picking like empty cups, paper covers, and polythene bags.
- c) Picking up of discard water bottles, paper plates and other articles scattered on the specified area.
- d) Picking up of night soil and all other waste /garbage and removal and disposal of the same to an outside dump yard.

3.6 In order to have first hand information the Work-study team visited all the Railway colonies of HYB over HYB division and observed the working pattern,

various processes involved in cleaning activity. The Work-study team made an analysis on the requirement of staff based on the Practical Observation and following parameters.

- a) out sourcing activities in connection with Medical Safaiwalas.
- b) Yardstick to assess the requirement of Medical Safaiwalas
- c) Calculation of Medical Safaiwalas requirement as per yardstick and need base
- d) Summary of SAVE Position of Medical Safaiwalas of HYB over HYB division
- e) Recommendation to surrender Medical Safaiwalas due to Contract works and posts are lying vacant.

### 3.7 Out sourced activities in connection with Medical Safaiwalas.

S. N	Nature of work	Period of contract	Value in Rs.	Labour (No)	Name of the agency
1	Garbage collection from door to door and lifting to GHMC Lorry	29.08.2017 to 28.08.2019	8872361	10	SK Enerprises, H.No 20-434, subodavanagar, West venkatapuram/SC, <b>S.LGD colony</b>
2	Garbage collection from door to door and lifting to GHMC Lorry	11.08.2017 to 10.08.2019	5254609	6	K.Venkatesham, H.No. 29-1223, vinayakanagar, Neredmet/SC <b>N.LGD colony</b>
3	Garbage collection from door to door and lifting to GHMC Lorry	01.09.2017 to 31.08.2019	4642103	5	D.Srinivaschary, plot.no.5, Nanuram colony, secunderabad, <b>Rifle Range colny</b>
4	Garbage collection from door to door and lifting to GHMC Lorry	17.08.2017 TO 16.08.2019	5089921	6	D.Srinivaschary, plot.No.5, Nanuram colony, secunderabad, <b>CKL colny</b>

5	Garbage collection from door to door and lifting to GHMC Lorry	01.09.2017 TO 31.08.2019	4251553	5	K.Venkatesham, H.no. 29-1223, vinayakanagar, Neredmet/SC, <b>MLY colony</b>
6	Garbage collection from door to door and lifting to GHMC Lorry	22.09.2017 TO 21.09.2019	1674123	6	M/ S.Y.K.S.Consultencies, D.no.9-57, SC Colony, Kothakota, Wanaparthi, <b>KCG Colony</b>
7	Railway colony sweeping, disposal of garbage.	12.12.2016 to 11.12.2018	1505008	6	M/S.Hi-Tech Industrial services, 9-3-33/34, Rezimental bazaar, SC, <b>KRNT Colony</b>
8	Railway colony sweeping, disposal of garbage.	30.07.2017 to 29.07.2019	3373499	6	B.Anandam, H.NO.4-2-20, Telephone exchange road, Vikarabad, <b>NZB Colony</b>
9	Hyderabad Bhavan 3 floors House keeping.	04.10.2016 to 06.10.2018	2815611	12	M/S Satyasai manpower, 16-09-759/4, Old malakpeta, Hyderabad, <b>HYB Bhavan</b>

### 3.8 Yardstick to assess the requirement of Medical Safaiwalas

The available yardstick which is the basis to assess the requirement of Medical Safaiwalas, as per **FA & CAO's Lr.No. A/FE/Medical/57/SC, dated 17.12.68.**

- i) In case of buildings where sweeping is done, it may be calculated at 75,000 sq.ft for 08 hours.
- ii) For Colony area sweeping @1 lakh to 1.2 lakhs Sq.ft. can be done in 08 hours by one safaiwala.
- iii) Open drains: For large drains @ 6000 Rft. & small drains with 8000 Rft

Cleaning can be done in 8 hours by one safaiwala.

### 3.9 Calculation of Medical Safaiwalas requirement as per yardstick and need base for all Railway Colonies of HYB city over HYB division

The Work-study Team has taken only the net sweep-able area for cleaning/sweeping activity only on the basis of practical observation of the work content while calculating the requirement of staff.

#### 3.9.1 R.R.COLONY

The Railway Quarters position of colony

Type-I	Type-II	Type-IV	Type-V	Spl Bungalow	Total
29	123	17	38	1	208

- Area of Roads : 60898 Sq.Mts (1 sqm =10.76 sqft) or **655262.48 sft**
- Area of Path ways : 83778 Sq.Mts or **901451 sft** (1 sqm =10.76 sqft)
- Area of Stair cases : 355.32 Sq.Mts or **3823.24 sft** (1 sqm =10.76 sqft)

#### ❖ Calculation of man power (Safaiwala) requirement at CHI/RRC

S.N	Description of work	Area in sft/rft	Yardstick	Man power reqd
1	<b>Sweeping of Lancer Colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Roads and surrounding with rag picking.	655262.48 sft	1,20,000 sft. can be done in 08 hours by one safaiwala	5.46, say 5
2	<b>Sweeping Path ways of Railway Quarters of colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Path ways of Railway Quarters and surrounding with rag picking	901451 sft	75,000 Sq.ft. can be done in 08 hours by one safaiwala	12.01, say 12
3	<b>Sweeping Stair cases of Railway</b>	3823.24	75,000 Sq.ft.	0.05,

	<b>Quarters of colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Stair cases of Railway Quarters and surrounding with rag picking	24 sft	can be done in 08 hours by one safaiwala	say 1
5	<b>Cleaning of drains:-</b> Daily regular cleaning of drains, removal of muck, removal of vegetation in drains, thorough de-silting.	-	-	-
6	<b>a) Anti larval &amp; anti mosquito measures :-</b> sprinkling of larvacides on stagnated water, spraying of insecticides in residence once in fortnight, fogging in the colony as and when required at least once in month.  <b>b) Service buildings:-</b> Cleaning of sanitary amenities in all offices with detergent and dis-infectants	-	-	1
	<b>Total</b>			<b>19</b>
	<b>LR/RG @ 22.5%</b>			<b>4</b>
	<b>Grand Total</b>			<b>23</b>

### 3.9.2 SOUTH LALLAGUDA COLONY (STPD, METTUGUDA COLONIES)

The Railway Quarters position of colony

1.	Total no.of Railway Quarters	1022
2.	Total dwelling quarters	818
3.	No.of multistored buildings	213

- Area of Roads : 80353 Sq.Mts (1sqm =10.76 sqft) or **864598.28 sft**
- Area of Path ways : 68601 Sq.Mts or **738146.76sft**
- Area of Stair cases : 26034.49 Sq.Mts or **280131.11 sft.**

➤ Open Drains length : 2409 Mtrs or **7901.52 ft** (1m=3.28 ft)

❖ **Calculation of man power (Safaiwala) requirement at CHI/SOUTH LGD**

S.N	Description	Area in sft/rft	Yardstick	Man power
1	<b>Sweeping of South lallaguda Colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Roads and surrounding with rag picking.	864598 .28 sft	1,20,000 sft. can be done in 08 hours by one safaiwala	7.20, say 7
2	<b>Sweeping Path ways of Railway Quarters of colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Path ways of Railway Quarters and surrounding with rag picking	738146 .76 sft	75,000 Sq.ft. can be done in 08 hours by one safaiwala	9.84 say 10
3	<b>Sweeping Stair cases of Railway Quarters of south lallaguda colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Stair cases of Railway Quarters and surrounding with rag picking	280131 .11 sft	75,000 Sq.ft. can be done in 08 hours by one safaiwala	3.73 say 4
4	<b>Cleaning of drains:-</b> Daily regular cleaning of drains, removal of muck, removal of vegetation in drains, thorough de-silting.	7901.52 ft	8000 Sq.ft. can be done in 08 hours by one safaiwala	0.98 say 1

5	<b>a) Anti larval &amp; anti mosquito measures :-</b> sprinkling of larvacides on stagnated water, spraying of insecticides in residence once in fortnight, fogging in the colony as and when required at least once in month.  <b>b) Service buildings:-</b> Cleaning of sanitary amenities in all offices with	-	-	1
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	detergent and dis-infectants			
	<b>Total</b>			<b>23</b>
	<b>LR/RG @ 22.5%</b>			<b>6</b>
	<b>Grand Total</b>			<b>29</b>

### 3.9.3 CKL COLONY

The Railway Quarters position of colony

1.	Total no.of Railway Quarters colony	1045
2.	Total dwelling quarters colony	997
3.	No.of multistored buildings in colony	66

- Area of Roads : 83963.00 Sq.mts or sq.ft **903441.88 sft**
- Area of Path ways : 55446 Sq.mts or **596598 sq.ft**
- Area of Stair cases : 18480 Sq.Mts or **198844.8 sft.**
- Open Drains length : 1490 Mtrs or **4887 ft** (1m=3.28 ft)

#### ❖ Calculation of man power (Safaiwala) requirement at CHI/CKL

S.N	Description	Area in sft/rft	Yardstick	Man power reqd
1	<b>Sweeping of Chilakalguda Colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Roads and surrounding with rag picking.	903441.88 sq.ft	1,20,000 sft. can be done in 08 hours by one safaiwala	7.52
2	<b>Sweeping Path ways of Railway Quarters of colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Path ways of Railway	596598 sft	75,000 Sq.ft. can be done in 08 hours by	7.95

	Quarters and surrounding with rag picking		one safaiwala	
3	<b>Sweeping Stair cases of Railway Quarters of colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Stair cases of Railway Quarters and surrounding with rag picking	198844 .8 Sq.ft	75,000 Sq.ft. can be done in 08 hours by one safaiwala	2.65
4	<b>Cleaning of drains:-</b> Daily regular cleaning of drains, removal of muck, removal of vegetation in drains, thorough de-silting.	4887 Sq.ft	8000 Sq.ft. can be done in 08 hours by one safaiwala	0.61
5	<b>a) Anti larval &amp; anti mosquito measures :-</b> sprinkling of larvacides on stagnated water, spraying of insecticides in residence once in fortnight, fogging in the colony as and when required at least once in month.  <b>b) Service buildings:-</b> Cleaning of sanitary amenities in all offices with detergent and dis-infectants	-	-	1
	<b>Total</b>			<b>0, say 20</b>
	<b>LR/RG @ 22.5%</b>			<b>4</b>
	<b>Grand Total</b>			<b>24</b>

### 3.9.4 NORTH LALLAGUDA COLONY

The Railway Quarters position of colony

1.	Total no.of Railway Quarters of colony	1479
2.	Total dwelling quarters of colony	872
3.	No.of multi storied buildings of colony	44

- Area of Roads : 340723 sq fts.
- Area of Path ways : 1108692 sft
- Area of Stair cases : 176844.99 Sq.fts
- Open Drains length : 4167.01 sq fts

❖ **Calculation of man power (Safaiwala) requirement at CHI/NORTH LGD**

S.N	Description of work	Area in sft/rft	Yardstick	Man power reqd
1	<b>Sweeping Road area of North Lallaguda Colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Roads and surrounding with rag picking.	340723 sft	1,20,000 sft. can be done in 08 hours by one safaiwala	2.83
2.	<b>Sweeping Path ways of Railway Quarters of colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Path ways of Railway Quarters and surrounding with rag picking	110869 2 sft	75,000 Sq.ft. can be done in 08 hours by one safaiwala	14.78
3	<b>Sweeping Stair cases of Railway Quarters of colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Stair cases of Railway Quarters and surrounding with rag picking	176844 .99 sft	75,000 Sq.ft. can be done in 08 hours by one safaiwala	2.35
4	<b>Cleaning of drains:-</b> Daily regular cleaning of drains, removal of muck, removal of vegetation in drains, thorough de-silting.	4167.0 1 sq fts	8000 Sq.ft. can be done in 08 hours by one safaiwala	0.52

5	<b>a) Anti larval &amp; anti mosquito measures :-</b> sprinkling of larvacides on	-	-	1
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	stagnated water, spraying of insecticides in residence once in fortnight, fogging in the colony as and when required at least once in month.			
	<b>b) Service buildings:-</b> Cleaning of sanitary amenities in all offices with detergent and dis-infectants			
			<b>Total</b>	<b>21</b>
			<b>LR/RG @ 22.5%</b>	<b>4</b>
			<b>Grand Total</b>	<b>25</b>

### 3.9.5 MLY COLONY

The Railway Quarters position of colony

1.	Total No.of Railway Quarters colony	729
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- Area of Roads : 48000 sq.mts or 516480 sft
- Area of Stair cases : 5540 Sq.mts ( 1 Sq m =10.76 sq ft) or 59610sft
- Open Drains length : 3628 mts or 16400 fts (1m=3.28 ft)

#### ❖ Calculation of man power (Safaiwala) requirement at CHI/MLY COLONY

S.N	Description of work	Area in sft/rft	Yardstick	Man power reqd
1	<b>Sweeping MLY Colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Roads and surrounding with rag picking.	516480 sft	1,20,000 sft. can be done in 08 hours by one safaiwala	4.30 say 4
2	<b>Sweeping Stair cases of Railway Quarters of colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Stair cases of Railway Quarters and surrounding with rag	59610 sft	75,000 Sq.ft. can be done in 08 hours by one safaiwala	0.79 say 1

	picking			
3	<b>Cleaning of drains:-</b> Daily regular cleaning of drains, removal of muck, removal of vegetation in drains, thorough de-silting.	11900 sq fts	8000 Sq.ft. can be done in 08 hours by one safaiwala	1.48 say 1
4	<b>a) Anti larval &amp; anti mosquito measures :-</b> sprinkling of larvacides on stagnated water, spraying of insecticides in residence once in fortnight, fogging in the colony as and when required at least once in month.  <b>b) Service buildings:-</b> Cleaning of sanitary amenities in all offices with detergent and dis-infectants	-	-	1
	<b>Total</b>			<b>7</b>
	<b>LR/RG @ 22.5%</b>			<b>1</b>
	<b>Grand Total</b>			<b>8</b>

### 3.9.6 KACHIGUDA COLONY

The Railway Quarters position of colony

1.	Total No.of Railway Quarters of colony	386
2.	Total dwelling quarters of colony	386
3.	No.of multi storied buildings in colony	55

- Area of Roads : 30472.00 sq mts or 327878.72 sq.ft
- Area of path ways : 12994.34 sq.mts or 139819.09 ( 1 S.qm. =10.76 sqft)
- Area of Stair cases : 1450 Sq.mts or 15602 sft
- Open Drains length : 2200.00 mts or 7216 fts(1m=3.28 ft)

❖ **Calculation of man power (Safaiwala) requirement at CHI/KCG COLONY**

S.N	Description of work	Area in sft/rft	Yardstick	Man power reqd
1	<b>Sweeping Kacheguda Colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Roads and surrounding with rag picking.	327878 .72 sft	1,20,000 sft. can be done in 08 hours by one safaiwala	2.73 say 3
2	<b>Sweeping Path ways of Railway Quarters of colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Path ways of Railway Quarters and surrounding with rag picking	139819 .09 sft	75,000 Sq.ft. can be done in 08 hours by one safaiwala	1.86 say 2
3	<b>Sweeping Stair cases of Railway Quarters of colony:-</b> Daily thorough sweeping of the outdoor surface area of the colony Stair cases of Railway Quarters and surrounding with rag picking	15602 sft	75,000 Sq.ft. can be done in 08 hours by one safaiwala	0.20 say 1
4	<b>Cleaning of drains:-</b> Daily regular cleaning of drains, removal of muck, removal of vegetation in drains, thorough de-silting.	7216.0 1 sq fts	8000 Sq.ft. can be done in 08 hours by one safaiwala	0.90 say 1
5	<b>a) Anti larval &amp; anti mosquito measures :-</b> sprinkling of larvacides on stagnated water, spraying of insecticides in residence once in fortnight, fogging in the colony as and when required at least once in month.  <b>b) Service buildings:-</b> Cleaning of sanitary amenities in all offices with detergent and dis-infectants	-	-	1

	<b>Total</b>	<b>8</b>
	<b>LR/RG @ 22.5%</b>	<b>2</b>
	<b>Grand Total</b>	<b>10</b>

### 3.10 SAVE Position of Medical Safaiwalas over HYB division

The consolidated scale check of Medical Safaiwalas over Hyderabad Division as on 01.07.2018 as per the book of sanctions provided by personnel branch is furnished below:

Category		Pay Band & Grade Pay		As on	
Safaiwala/ Sr. Safaiwala/ Safaiwala Jamadar/ S Jamadar.		PB-1 Rs.5200-20200 plus Rs.1800 Grade Pay.		01.07.2018.	
<b>S.No.</b>	<b>Stn/Unit</b>	<b>San</b>	<b>Act</b>	<b>Vac</b>	<b>Excess</b>
1	H & MI/MLY COLONY	10	8	2	
2	HU/MLY	01	01	0	0
3	H & MI/CKL COLONY	26	24	2	0
4	H & MI/RRC COLONY	24	23	01	0
5	H & MI/S.LGD COLONY	37	29	08	0
6	H & MI/N.LGD COLONY	31	25	6	0
7	CMS OFFICE	1	1	0	0
8	H & MI/KCG COLONY	10	11	00	-1
9	HU/KCG	02	02	00	0
10	KCG Station	4	00	04	0
11	H & MI/NZB	05	02	3	0
12	HU/NZB	02	02	00	0
13	HU/MBNR	02	02	00	0

14	HU/KRNT	02	01	01	0
15	RMHS/S.LGD	01	01	00	0
<b>TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>-0</b>

### **3.11 Recommendation to surrender Medical Safaiwalas due to Contract works and posts are lying vacant.**

Thus after analyzing the nature of duties of safaiwalas by practical observation and applying the yardstick, the requirement of Medical Safaiwalas for the Railway Colonies of HYB city over HYB Division is **calculated at para 3.9** and summarized below:

S. N	Name of the Unit	Sanction	Actual	Requirement of staff	Excess staff
1	H & MI/MLY COLONY	10	8	8	2
2	H & MI/CKL COLONY	26	24	24	2
3	H & MI/RRC COLONY	24	23	23	1
4	H & MI/S.LGD COLONY	37	29	29	8
5	H & MI/N.LGD COLONY	31	25	25	6
6	H & MI/KCG COLONY	10	10	10	0
	<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

The sanctioned strength of Medical safaiwalas for the Railway Colonies of HYB city over HYB Division is 138, the actual staff is 119, requirement is 119, and found 19 staff excess on requirement.

Hence, recommended as follows.

**òçðÒîðòÜäð/Recommendation No.1:**

- It is recommended to **surrender 19 posts** from sanctions of Medical Safaiwalas of Medical department at Railway Colonies of HYB city over HYB division.

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## **ÀÁÂÃÄÅ - 4**

### **CHAPTER – 4**

#### **4.1 ÀÃÄÅÄÖÜÏ ÑÒÓÔÕÖÙÏ FINANCIAL REPERCUSSIONS:**

**4.2** When the recommendations are accepted, the recurring savings on surrender of the under mentioned posts over Hyderabad division will be as follows:

Sl. No	Category	Scale		No. of posts	Mean Pay	Grade Pay	DA @ 9%	Emoluments P.M (in Rs.)	Total Emoluments P.A (in Rs.)
		From	To						
1	Jr.Safaiwala	18000	56900	19	37450	1800	3370	775580	9306960
<b>TOTAL</b>				<b>19</b>					9306960

**On implementation of the recommendations, annual savings of Rs. 93.06 Lakhs will be accrued.**

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**ġĠŮđđŮđ - 5**  
**CHAPTER – 5**

**çďüçĂđôôđĂđŮđđŮ/RECOMMENDATION**

<b>Sl. No.</b>	<b>Description</b>	<b>Para No.</b>
01	<b><u>òçđŌîđòŮăđ çďü 1 Recommendation:</u></b> ➤ It is recommended to <b>surrender 19 posts</b> from sanctions of Medical Safaiwalas of Medical department at Railway Colonies of HYB city over HYB division.	<b>3.11</b>

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