



खालिद अरशद, बि०प्र०से०

प्रशासी पदाधिकारी

पत्रांक: SHSB/PM/161/2007/.....९५२८

सेवा में,

सभी अधीक्षक, चिकित्सा महाविद्यालय एवं अस्पताल

सभी असैनिक शल्य चिकित्सक-सह-मुख्य चिकित्सा पदाधिकारी

पटना, दिनांक...२१/०३/२०२०

विषय: N-95 Mask, PPE Equipment and Triple layer mask के निर्माताओं/आपूर्तिकर्ताओं की विवरणी उपलब्ध कराने के संबंध में।

प्रसंग: संयुक्त सचिव, स्वास्थ्य एवं परिवार कल्याण मंत्रालय, भारत सरकार, नई दिल्ली का पत्रांक D.O. No- Z-18-10/NHM-I/Part दिनांक 15.03.2020

महाशय,

उपर्युक्त विषय के संबंध में कहना है कि कोरोना वायरस के संक्रमण के प्रसार के रोकथाम हेतु विभिन्न प्रकार की चिकित्सकीय सामग्रियों की अधिप्राप्ति की अनिवार्यता वर्तमान में बनी हुई है। भारत सरकार के उक्त प्रासंगिक पत्र द्वारा N-95 Mask, PPE Equipment एवं Triple Layer Mask के निर्माताओं/आपूर्तिकर्ताओं का नाम आदि विस्तृत विवरणी एवं विशिष्टता से संसूचित किया गया है।

2. अतः उक्त प्रासंगिक पत्र की प्रति सभी अनुलग्नकों सहित उपलब्ध कराते हुये अनुरोध है कि उक्त चिकित्सकीय सामग्रियों की शीघ्र अधिप्राप्ति की दिशा में स्वयं के स्तर से नियमानुसार समुचित कार्रवाई करने की कृपा की जाए, ताकि आपात एवं आकस्मिकता की स्थिति में उक्त अनिवार्य सामग्रियों की उपलब्धता बनी रहे।

अनुलग्नक- यथोक्त।

विश्वासभाजन

(Signature)
(खालिद अरशद) 21/3/2020





राज्य स्वास्थ्य समिति, बिहार



खालिद अरशद, बि०प्र०से०

प्रशासी पदाधिकारी

पत्रांक: SHSB/PM/161/2007/.....

सेवा में,

सभी अधीक्षक, चिकित्सा महाविद्यालय एवं अस्पताल

सभी असेैनिक शल्य चिकित्सक-सह-मुख्य चिकित्सा पदाधिकारी

पटना, दिनांक.....

विषय: N-95 Mask, PPE Equipment and Triple layer mask के निर्माताओं/आपूर्तिकर्ताओं की विवरणी उपलब्ध कराने के संबंध में।

प्रसंग: संयुक्त सचिव, स्वास्थ्य एवं परिवार कल्याण मंत्रालय, भारत सरकार, नई दिल्ली का पत्रांक D.O. No- Z-18-10/NHM-I/Part दिनांक 15.03.2020

महाशय,

उपर्युक्त विषय के संबंध में कहना है कि कोरोना वायरस के संक्रमण के प्रसार के रोकथाम हेतु विभिन्न प्रकार की चिकित्सकीय सामग्रियों की अधिप्राप्ति की अनिवार्यता वर्तमान में बनी हुई है। भारत सरकार के उक्त प्रासंगिक पत्र द्वारा N-95 Mask, PPE Equipment एवं Triple Layer Mask के निर्माताओं/आपूर्तिकर्ताओं का नाम आदि विस्तृत विवरणी एवं विशिष्टता से संसूचित किया गया है।

2. अतः उक्त प्रासंगिक पत्र की प्रति सभी अनुलग्नकों सहित उपलब्ध कराते हुये अनुरोध है कि उक्त चिकित्सकीय सामग्रियों की शीघ्र अधिप्राप्ति की दिशा में स्वयं के स्तर से नियमानुसार समुचित कार्रवाई करने की कृपा की जाए, ताकि आपात एवं आकस्मिकता की स्थिति में उक्त अनिवार्य सामग्रियों की उपलब्धता बनी रहे।

अनुलग्नक- यथोक्त।

विश्वासभाजन

ह०/-

(खालिद अरशद)

ज्ञापांक.....९५२८

पटना, दिनांक....२१/०३/२०२०

प्रतिलिपि :

- प्रधान सचिव, स्वास्थ्य विभाग, बिहार, पटना को कृपया सूचनार्थ प्रेषित।
- सचिव, स्वास्थ्य विभाग, बिहार, पटना को कृपया सूचनार्थ प्रेषित।
- कार्यपालक निदेशक, बिहार, पटना को कृपया सूचनार्थ प्रेषित।
- प्रबंध निदेशक, BMSICL, पटना को कृपया सूचनार्थ प्रेषित।

२१/३/२०२०
प्रशासी पदाधिकारी



From JS Policy on 15.3.2020 with details of N95 masks, PPE equipment and triple layer masks-

From : N. Yuvaraj <n.yuvaraj36@ias.nic.in>

Subject : Lr from JS Policy on 15.3.2020 with details of N95 masks, PPE equipment and triple layer masks-

Sun, Mar 15, 2020 06:20 PM

5 attachments

To : Principal Secretary <udevelop.and@nic.in>, commr andaman <commr.andaman@gmail.com>, Kartikeya Misra IAS <mdnhmap@ap.gov.in>, arunachalhome@gmail.com, samirksinha69@gmail.com, samirksinha@gov.in, healthbih <health-bih@nic.in>, Arun Kumar Gupta <hs-chd@nic.in>, pshealthcg@gmail.com, secretaryhealthcg@gmail.com, Maria Celeste Fernandes <advadmr-dnh@gov.in>, Advisor to Administrator.. <devcom-dd@nic.in>, Sanjeev Khirwar <pshealth@nic.in>, Virendra Kumar <secedu-sect.goa@nic.in>, cohealth@gujarat.gov.in, fchm@hry.nic.in, amitjha principalsecretary <amitjha.principalsecretary@gmail.com>, Ram Dass Dhiman <healthsecy-hp@nic.in>, admsecyhealthjk@gmail.com, sec-health-jhr <sec-health-jhr@nic.in>, hlthdept fdi <hlthdept.fdi@gmail.com>, prs-hfw@karnataka.gov.in, Prl Secy Health <secy.hlth@kerala.gov.in>, Farooq Khan <lk-admin@nic.in>, Dr S Sundaravadivelu IAS <secy-home@gov.in>, Principal Secretary, Health & Family Welfare <pshealth@mp.gov.in>, psec pubhealth <psec.pubhealth@maharashtra.gov.in>, V. Mang <mang@nic.in>, V. Mang <mang@gov.in>, pwingty@yahoo.co.in, comsecymiz@gmail.com, I Himato Zhimomi Principal Secy <csecy-hfw-ngl@nic.in>, hfw ngld <hfw.ngld@gmail.com>, Secretary H and FW Deptt Odisha <orhealth@nic.in>, Secretary to Government Government of Puducherry <secyfin.pon@nic.in>, Secretary Devesh Singh, IAS,, (PWD A&C)Puducherry <secyrev.pon@nic.in>, Anurag Agarwal <pshfw@punjab.gov.in>, phsrajasthan@gmail.com, healthsecyskm@yahoo.com, hfwsec@gmail.com, tshealthpeshi@gmail.com, Principal Secretary, HM & FW <prlsecy_hmfw@telangana.gov.in>, secy hfw-tr <secy.hfw-tr@gov.in>, secretary tripura <secretary_tripura@yahoo.in>, psecup health <psecup.health@gmail.com>, secynkjha@gmail.com, prin secy wbhealth <prin.sec.ywbhealth@gmail.com>, Vivek Kumar <secy.hfw-wb@gov.in>, amdnhmwb sg

राज्य स्वास्थ्य समिति बिहार
बितरण शाखा
पंजी प्रविष्ट सं- 2926
दिनांक-20/03
ई० कम्पुटर सं-

SSO-EDSP / AD
curile
Proe.
कार्यपालक निदेशक

<amdnhmwb.sg@gmail.com>, ss mduthm
<ss.mduthm@gmail.com>, MD NHM AR.P <md-ar-nrhbm@nic.in>, mdnrhmasm@gmail.com, ed shsb
<ed_shsb@yahoo.co.in>, dhs ut
<dhs_ut@yahoo.co.in>, mdnrhmcg@yahoo.co.in,
office mdnrhm <office.mdnrhbm@gmail.com>,
Priyanka Shukla <md-nrhbm.cg@nic.in>, Mission
Director, MoHFW Daman Diu <md-dd-nrhbm@nic.in>,
S.M. Ali <mddshbm.delhi@gov.in>, md-
nrhbm@gujarat.gov.in, Mission Director, MoHFW
Haryana <md-hr-nrhbm@nic.in>, Mission
Director, NRHM-HP <md-hp-nrhbm@nic.in>,
nrhbmjharkhand3@gmail.com,
mdnrhbmjharkhand@gmail.com, md-
nrhbm@karnataka.gov.in, arogyakeralam@gmail.com,
smdnrhbm@gmail.com, rchlakshadweep@gmail.com,
missiondirectormp@gmail.com, CHHAVI BHARDWAJ
<mdnrhbm@mp.gov.in>, mdnrhbm09@gmail.com, dr
smanikanta <dr.smanikanta@gmail.com>, smd
manipur <smd.manipur@gmail.com>,
mdnrhbmmeagh@gmail.com,
pravinbakshi@hotmail.com,
nrhbm mizoram@yahoo.com,
nrhbm mizoram@gmail.com, neikhrie@yahoo.co.in,
Mission Director, NRHM Orissa
<missiondirector@nic.in>, Mission
Director, Puducherry <md-pdy-nrhbm@nic.in>,
nrhbmpondicherry@yahoo.co.in,
nrhbm punjab@gmail.com, mdnrhbm punjab@gmail.com,
MD NRHM, Rajasthan <md-nrhbm-rj@nic.in>,
mdnrhbm sikkim@gmail.com, NRHM TN
<rchpcni@tn.nic.in>, mdnrhbm ts@gmail.com, chfw ts
<chfw.ts@gmail.com>, shfws tripura
<shfws_tripura@yahoo.co.in>,
mdupnrhbm@gmail.com, mdnrhbmuk@gmail.com,
mdnrhbm@wbhealth.gov.in, nrhbm dnh@gmail.com,
Secretary CM <sect-cmo.goa@nic.in>, mdnrhbm
mumbai <mdnrhbm.mumbai@gmail.com>,
nrhbmmeagh@gmail.com

Cc : Preeti Sudan <secyhfw@njc.in>, VANDANA GURNANI
<vandana.g@ias.nic.in>, sheelv <sheelv@nic.in>,
Vikas Sheel <js.policy-mohfw@nic.in>, Dr. Sandhya
Bhullar <sbhullar@ias.nic.in>, N. Yuvaraj
<n.yuvaraj36@ias.nic.in>, sdnayak@yahoo.com,
Elangbam Robert Singh <robert.elangbam@nic.in>,
rajani ved <rajani.ved@gmail.com>, nhm-
consultants-2018@googlegroups.com,
manoharagnani@gmail.com, agnanim
<agnanim@ias.nic.in>, p.preeti <p.preeti@nic.in>,
pnath <pnath@nic.in>, jayant fmg2017
<jayant.fmg2017@gmail.com>,
kavitasinghdfnrhbm@gmail.com,
monagupta@outlook.com, Dr. Mandeep K Bhandari
<mandeep@ias.nic.in>, Sudhir Kumar






<kumars14@ias.nic.in>, Nilambuj. Sharan
<nilambuj.sharan@nic.in>, asfa-mohfw@nic.in,
Sanjeeva Kumar <sanjeeva.k@nic.in>, Sanjeeva
Kumar <ash-mohfw@nic.in>, alav <alav@ias.nic.in>,
Dr.V.G. Somani <v.g.somani30@cdsco.nic.in>, Dr.
V.G. Somani DCGI <dci@nb.nic.in>, RAJIV
WADHAWAN <r.wadhawan15@gov.in>

Respected Mam / Sir

PI kindly see attached the letter from JS Policy on support to COVID management under
NHM with necessary enclosures for further action

--
with regards

N Yuvaraj, IAS:05:AP,
Director,
National Health Mission (NHM)-I Division
Ministry of Health and Family Welfare,
Nirman Bhavan
New Delhi - 110011.
Office No.011-23061360

-
-  **Lr from JS Policy dates 15.3.20 for support for COVID under NHM.pdf**
1 MB
 -  **Status & Contact Details.docx**
18 KB
 -  **specification.pdf**
303 KB
 -  **minutes of tech comm.pdf**
1 MB
 -  **Attachment.pdf**
62 KB
-



विकास शील
संयुक्त सचिव
VIKAS SHEEL
Joint Secretary



भारत सरकार
स्वास्थ्य एवं परिवार कल्याण मंत्रालय
निर्माण भवन, नई दिल्ली - 110011

Government of India
Ministry of Health & Family Welfare
Nirman Bhavan, New Delhi -110011

Tel. : 011-23063506

: 011-23061481 (T/F)

E-mail : sheelv@nlc.in

D.O. No. Z-18-10/NHM-I/Part

Dated: 15th March, 2020

Dear Colleagues,

As we are aware, the entire India Health Team is leaving no stone unturned in efforts for management of Novel Corona Virus Disease (COVID-19) across the country. As communicated to all the States/UTs vide my D.O. letter even No., dated 5th March 2020, States/UTs have started 104 or similar help lines, development of isolation facilities using untied funds and other IEC support under the National Health Mission (NHM), for management of Covid-19. In this regard, to give further flexibility to the States/UTs to utilize the resources available under NHM for the management of COVID-19, following instructions are issued –

1. Following separate Financial Management Report (FMR) codes are created under the Health Systems Strengthening (HSS) Pool for management of COVID-19, namely –

B.31 COVID-19

- B.31.1. Diagnostics including sample transport
- B.31.2. Drugs and supplies including PPE and masks
- B.31.3. Equipment/facilities for patient-care including support for ventilators etc.
- B.31.4. Temporary HR including incentives for Community Health Volunteers
- B.31.5. Mobility support
- B.31.6. IT systems including Hardware and software, etc.
- B.31.7. IEC/ BCC
- B.31.8. Training
- B.31.9. Miscellaneous (which could not be accounted for in B.31.1 to B.31.7)

2. States/UTs are requested to re-appropriate resources from corresponding FMR codes under the HSS pool as approved under the NHM in 2019-20, to the above mentioned FMR codes, to meet the financial needs for undertaking activities for effective management and control of COVID-19.

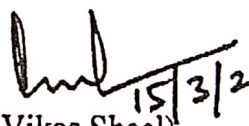
3. The usual upper limit of 10%, applicable for re-appropriation of resources between activities in the same Pool, is hereby relaxed for this purpose.
4. It is clarified that, given the urgent nature of the COVID-19 challenge, the states\UTs may go ahead with implementation and utilization of resources so appropriated and the states\UTs do not have to wait for confirmation from the Ministry regarding appropriation of funds. However, a copy of the appropriation order(s) so issued may necessarily be shared with the Ministry.
5. Resources available in Pools other than HSS, may also be utilised on loan basis, if there is shortfall of resources in HSS Pool.
6. Further, the Ministry vide its email dated 4th March, 2020 had forwarded the details of the Manufacturers of N95 masks, PPE equipment and triple layer masks, as received from Ministry of Textiles. Minutes of the meeting of the Technical Committee under DGHS of this Ministry held on 26/02/2020 and O.M. No. Z-28015/17/2020-EMR dated 02/03/2020, regarding specifications of PPE equipment were also shared. The same are again enclosed herewith for your ready reference.

These provisions are given to provide the necessary support to the States/UTs in these testing times, with the required flexibility. The Ministry is also taking steps to enhance the resources under NHM for this purpose. I hope that this support will help the States/UTs in efficient management of COVID-19.

Encl: As above

Best wishes

Yours sincerely


(Vikas Sheel) 15/3/20

To,

1. Additional Chief Secretary/Principle Secretary/Secretary, Health – all States/UTs
2. Mission Directors – National Health Mission – all States/UTs

Copy to:-

1. All the JSs - DoHFW
2. ED, NHSRC
3. Director, NHM Finance for necessary action.
4. All DSs/Directors of NHM
5. PPS to Secretary HFW / SSs / AS&FA / AS&MD

lul
15/3/20

Contact Details of the manufacturers of N-95 Mask / PPE equipments and Triple Layer Masks

- Ministry of Health & Family Welfare (MoHFW) had approached Ministry of Textiles (MoT) for arranging Coveralls and N-95 Masks / triple layer masks for health workers for protection against Corona Virus. Accordingly, MoT held meetings on 30th January, 2020 and 01st February, 2020 wherein representatives from MoHFW, FICCI, Indian Technical Textiles Association, DuPont, 3M, Honeywell, Ginni Filaments, Sai Synergy, Karam Industry etc. were present.

(A) N-95 Masks :

1. As per the information collated in the meetings mentioned above, following is the details of manufacturers of N-95 Masks :-

S. No.	Supplier	Stock in Hand	Future Supply
1.	3 M (P-2)	Nil	50,000 in every 20-25 days
2.	Honeywell (P-2)	2000	50,000 in every 20-25 days
3.	Venus	50,000	2,00,000 within 1 week

2. Textile Research Association (TRA) SITRA has also forwarded contact details of major N-95 respirator manufacturers in India, which is as below:-

(i) Magnum Health & Safety Pvt. Ltd.

Reg. Office Corrp & Courier Add 602,
Mamta Heights, Devidas Lane,
Bonvali (west) Mumbai - 400 103
Contact Person : Mr. Rakesh Bahat - Mob.9820050482

(ii) Thea-Tex Healthcare (India) Pvt. Ltd.

23 M Anand Mangal Industrial Estate
Opp. IPOL Industries, Waliv Phata
Sativali Road, Vasai East, Palghar 401 208
Maharashtra, India
Contact Person : Mr. Anand Singh - Mob. No.9819286189

(iii) Venus Safety And Health Pvt. Ltd.

L 75/76, Tondre Village,
MIDC, Taloja
Maharashtra - 410 208
Contact Person : Mr. Mahesh Kudav - Mob. No. 9820040216

(iv) AM Nonwovens

79/38-B Jeeva Street,
Kattabomman Nagar, Narimedu,
Madurai – 625 002

Contact Person. Mr. Andrew Abhilash – Mob. No. 8098111111

(B) PPE (Coveralls) :-

1. Three Internationally certified suppliers viz. Du-Pont, 3M and Honeywell were identified. However, their complete stock has already been exhausted.
2. Therefore, Ministry of Textiles in consultation with Ministry of Health & Family Welfare (MoHFW) took the initiative for identification of indigenous source.
3. Four domestic firms were identified and a Central Team consisting of representatives from representatives from MoT (Regional office of Textile Commissioner), MoHFW and Textile Research Associations (TRAs)(NITRA) was constituted which visited the factory facility of :-
 - ❖ Sai Synergy on 02nd February, 2020;
 - ❖ Ginni Filaments on 03rd February, 2020;
 - ❖ Sure Safety Ltd. On 07th February, 2020.
 - ❖ M/s Surya Textech, Himachal Pradesh on 18.02.2020
4. The team recommended that there should be a minimum of 5 tests to ensure that the fabric and the garment is resistant to entry of blood and body fluid pathogens including viruses. The tests recommended are as below:-
 - a) Screening pressure test using synthetic blood (ISO 16603 or equivalent ASTM)
 - b) Virus bacteriophage simulation test (IS 16604 or equivalent ASTM)
 - c) GSM test (IS 1964)
 - d) Hydrostatic Pressure Head (ISO 20811)
 - e) Fabric breathability test (ASTM E 96)
5. Tests at S.No. (a) and (b) were conducted at South India Textile Research Association (SITRA), Coimbatore and those at S.No. (c) to (e) were conducted at North India Textile Research Association (NITRA), Ghaziabad.
6. Apart from the above four firms, samples, of Arvind Ltd. were also sent for testing at SITRA.
7. A summary of the report submitted by SITRA is as under:-

S. No.	Company / Sample particulars	Synthetic blood penetration resistance test	Viral penetration resistance test (PFU/mL)	
			Post challenge assay titre (PFU/mL)	Result
1.	Amalryllis Healthcare Private Ltd./SU-80	Pass	1.5×10^4	Fail
2.	Amalryllis Healthcare Private Ltd./AHL-67	Pass	3.0×10^3	Fail
3.	Amalryllis Healthcare Private Ltd./AL-48	Pass	2.0×10^4	Fail
4.	Sai Synergy / Polyethylene and microporous film - 69 GSM	Pass	2.0×10^4	Fail
5.	Sure Safety / Sample A (Orange) / Thermo-Engineering Laminated Plastic	Pass	1.6×10^3	Fail
6.	Sure Safety / Laminated Spun bond fabric untapped seams	Pass	3.0×10^3	Fail
7.	Surya Textech / 90 GSM Composite Barrier Nonwoven fabric Product code : CB-90	Pass	3.6×10^4	Fail
8.	Arvind Ltd.	Pass	--	Fail

C. Information received from Preventive Wear Manufacturers' Association of India (PWMAI)

PWMAI has also provided a list of manufacturers of Face Masks (3 Layer & N-95) and Coveralls, which is enclosed as an attachment.

No. Z.28015/17/2020-EMR
Ministry of Health & Family Welfare
Directorate General of Health Services
(Emergency Medical Relief)

Nirman Bhawan, New Delhi
Dated the 2nd March, 2020

Office Memorandum

Subject : Specifications for indigenous coverall.

A Technical Committee constituted under Director General Health Services (DGHS) vide Order No. Z.28015/17/2020-EMR dated 17.02.2020, as per its terms of reference, has examined the specifications for indigenous Personal Protective Equipments (PPEs) and as an emergency measure, has approved the fabric that cleared Synthetic Blood Penetration Resistance Test.

This would be considered as a bench mark to manufacture PPE. The prototype of these coveralls manufactured by these manufacturers will have to undergo similar testing protocols before being approved for use.



(Rajender Kumar)

Under Secretary to the Government of India

Tel: 23061778

To:

- ✓ 1. Dr. Mandeep Kumar Bhandari, Joint Secretary, Ministry of Health and Family Welfare, GoI, Nirman Bhavan, New Delhi
2. Shri Lav Agarwal, Joint Secretary, Ministry of Health and Family Welfare, GoI, Nirman Bhavan, New Delhi
3. Dr. Nihar Ranjan Dash, Joint Secretary, Ministry of Textiles, Udyog Bhavan, New Delhi

Air (HPG)

WV
2/5

F.No.Z.28015/17/2020-EMR
Ministry of Health & Family Welfare
Directorate General of Health Services
(EMR Division)

Nirman Bhawan, New Delhi
Dated the 3rd March, 2020

Subj:- Forwarding of Minutes of 2nd meeting of Technical Committee held on 26.2.2020, to review availability of Personal Protective Kits in the country.

The undersigned is directed to enclose herewith a copy of **Minutes of 2nd Meeting of the Technical Committee** held under the Chairmanship of Dr.Rajiv Garg, Director General of Health Services, Ministry of Health and Family Welfare, on 26.02.2020, at 4.00 PM, in Resource Center, Nirman Bhavan, New Delhi, to review availability of different components of Personal Protective Kits, in the country, for kind information and necessary action.

Encl.a.a.



(Dr.Yogesh
Chief Medical Officer
Phone: 2306320)

To

1. Dr.Mandeep Kumar Bhandari, Joint Secretary, Ministry of Health and Family Welfare, Nirman Bhavan, New Delhi
3. Dr.Niranjan Das, Joint Secretary, Ministry of Textiles, Udyog Bhavan, New Delhi
4. Dr.S.K.Singh, Director, NCDC, 22, Sharnath Marg, Delhi-54
5. Dr.Mala Chhabra, Consultant, Microbiology, Dr.RML Hospital, New Delhi
6. Dr.Anand Mohan, HOD, Respiratory Medicines, AIIMS, New Delhi
7. Representative of Defence Research Development Establishment, (DRDE) Gwalior, MP
8. Dr.P Ravindran, Addl.DDG & Director (EMR) Nirman Bhavan, New Delhi
9. Dr.Ritu Singh, NPO-IHR, WHO India Office, WHO, Nirman Bhavan, New Delhi
10. Dr.Anuj Sharma, WHO India Office, WHO, Nirman Bhavan, New Delhi
11. Dr.R.K.Sharma, DDC, Central Drugs Standard Control Organisation, Delhi
12. Mr.Manvendra Teli, Drug Inspector, Central Drugs Standard Control Organisation, Delhi

Copy to PPS to Secretary (H) DGHS/JS (LA)/DS (PH)/US (PH) for information

Minutes of the meeting of the Technical Committee under DGHS to review availability of Personal Protective Equipment (PPE)

A Technical Committee constituted by Ministry of Health & Family Welfare (MoHFW) vide Order dated 17.02.2020 met for the second time on 26.02.2020 under the Chairmanship of DGHS to review the availability of coveralls, a crucial component of Personal Protective Equipment (PPE) kit. List of participants is at Annexure I.

The Committee observed that from the meeting taken by the Ministry of Textiles earlier, there is non-availability of coveralls with international manufacturers and they are unable to supply the same due to global scarcity. Further Ministry of Textiles had constituted a Committee to inspect four indigenous manufacturers of coverall/fabric to ensure their capacity and capability. Their fabrics were subjected to a battery of tests of which the most crucial ones for safeguarding from biological hazard were (i) Synthetic Blood Penetration Resistance Test (ii) Viral Penetration Resistance Test [done at South Indian Textile Research Association (SITRA)]. The reports of these test results were made available by Department of Textiles. All of them have passed Synthetic Blood Penetration Resistance Test but failed in Viral Penetration Resistance Test.

The Committee deliberated on the minimum standards that the coveralls should have to be used in clinical and laboratory sittings. It was agreed to by all the experts that the PPE should take care of air borne and contact precautions. For the coverall, the Committee held view that (i) in the absence of availability of certified and tested coveralls by international manufacturers (ii) that the available indigenous fabric manufacturers failed in the Viral Penetration Resistance Test on the fabric, (iii) fully comprehending the urgent need of coveralls (as part of PPEs) in both clinical and laboratory settings and (iv) that a cluster containment or mitigation of large outbreaks of COVID-19 would require large quantities of PPEs, recommended that as an emergency measure the fabric that cleared 'Synthetic Blood Penetration Resistance Test' would be considered as the benchmark to manufacture PPEs. The Synthetic Blood Penetration Test is the test prescribed under ISO 16603 for the fabric to meet the standards of EN 14126 Class III. The prototype of the coverall manufactured by these manufacturers will have to undergo similar testing protocols before being approved for use.

The Committee observed that the benchmark prescribed for the coveralls at the time of Nipah outbreak (Kerala, 2018) was ISO 16603.

All such manufacturers were called for meeting to understand their capacity to know (i) quantity to test fabric available with them, (ii) the source of the fabric and its indigenous component, (iii) quantity of coverall that can be manufactured with the current raw material and weekly production from further materials procured.

The details provided by the companies are at Annexure II. These four companies put together can manufacture about 16,500 coveralls per week that can be further scaled up to 35,000 coveralls per week. The details are placed at Annexure II.

The Committee will again meet on 2nd March, 2020 at 4.00 PM.

List of participants

1. Dr. S K Singh, Director, NCDC
2. Dr. V. G. Somani, DCG (I), CDSCO, New Delhi
3. Dr. Sanket. V. Kulkarni, Deputy Director, NCDC
4. Dr. Anuj Sharma, WHO India
5. Dr. Mala Chhabra Consultant Microbiology, ABVIMS Dr RML Hospital, New Delhi
6. Dr. Monil Singhai, Deputy Director, NCDC
7. Sh. G. K. Rajnish, US, M/o Textiles
8. Dr. Trupti Shende, Assistant Director, NCDC Delhi
9. Dr. Ritu Singh, NPO International Health Regulation, WHO

Manufacturing Capacity of Indigenous Coverall Manufacturers

S. No.	Name of Manufacturer	Quantity of Tested Fabric	Quantity sourced from	Quantity of Coveralls that can be manufactured with the current raw material	Weekly production	Remarks
1	Ginni Nonwovens (Fabric Manufacturer)	15 Tons *	India (70%) Indonesia (30%)			* Has the capacity to manufacture 1000 Tons per month
	+ Amaryllis* (fabricator)		Ginni Nonwovens	3,000	5000 per week can be scaled up to 15000 per week	
2	Sai Synergy (fabricator)	5 Tons (15 Days)	Auroratax (Gurugram based)	20,000	5000 per week can be scaled up to 20000 per week	
3	Sure Safety (fabricator)	10,000 Meters	United Kingdom, Also sourced from local manufacturers	3,000	3000 per week can be scaled up to 4500 per week	
4	Surya Tech (Fabric Manufacturer)	Current stock is Nil, but can produce up to 2 Tons per day	Indigenous (Reliance, Indian Petrochemicals)	Fabric for 7000 coveralls		
	+ Manchanda Medicos (fabricator)		Surya Tech	-	3,500 per week	
Total					16,500 per week, can be scaled up to 53,000 per week	

* Raw material for 3000 pieces (4 days)

Manufacturing Capacity & Stock In Hand									
S.No.	Company	Contact Person	Email ID	Face Mask 3 Layer		Face Mask N95		Coverall	
				Mfg. Capacity/Day	Stock In Hand	Mfg. Capacity/Day	Stock In Hand	Mfg. Capacity/Day	Stock In Hand
Total National Manufacturing Capacity per day/ Stock In Hand				627000	440100	5000	2500	17030	7400
1	Shalex Overseas	Ms. Tulsii	product.manager@shalexoverseas.com	NA	NA	NA	NA	600	1800
2	Ridhi Sidhi Enterprises	Naveen Aggarwal	rsenterprises.derabassi@gmail.com	30000	160000	NA	NA	NA	NA
3	Noble Enterprises	Deepak Malhotra	deem1965@gmail.com	N/A	N/A	N/A	N/A	500	600
4	SPM Medicare Pvt Ltd	Umang Mathur	umang@spmmedicare.com, info@spmmedicare.com	140000	0	NA	NA	500	0
5	Amkay Products Pvt Ltd	Hemanshu Batavia	Info@amkayproducts.com, corporate@amkayproducts.com	100000	20000	NA	NA	NA	NA
6	Cartel health care pvt ltd	Siddhant Agrawal	admin@cartelhealthcare.com	75000	0	NA	NA	300	NA
7	Kansons Overseas Ltd.	Puneet Kanodai	puneet@kansonsindia.com, info@kansonsindia.com	NA	NA	NA	NA	1200	0
8	Bellcross Industries Pvt Ltd	Nikunj Kedia	bellcrossmedical@gmail.com	12000	20000	NA	NA	300	0
9	Sree Krsna Medineeds	Vinay Kumar	purchase.sreekrnamedineeds@gmail.com	50000	5000	NA	NA	NA	NA
10	Shree Healthcare India	Vijaya Sankar	vijaya.sankar@shreehealthcareindia.com, info@shreehealthcareindia.com	NA	NA	NA	NA	1000	0
11	Purosurge healthcare pvt ltd	Anshul garg	info@purosurge.com	NA	NA	NA	NA	800	0
12	Z Plus Disposable	Ravindra Radadiya	zplusdisposable@gmail.com, info@zplusdisposable.com	50000	NA	NA	NA	NA	NA
13	Rodas Impex Private Limited	Gaurav Chamodi	rodas_meditech@yahoo.in	40000	120000	NA	NA	80	NA
14	Medicube Healthcare Pvt Ltd	Gopi Krishna Reddy A	medicubehealthcare@gmail.com	10000	NA	NA	NA	NA	NA
15	Bioanthem Devices	Murali Ginnela	bioanthem@gmail.com	NA	NA	NA	NA	400	NA
16	Sri Vishnu Disposables Pvt Ltd.	Mr.D. Subramani	srivishnu.industries10@gmail.com	100000	100000	NA	NA	1000	500
17	Fasten Medical Pvt Ltd	Firos P	fastenindia@gmail.com	NA	NA	NA	NA	800	0
18	Ive Links	George Paul	ivelinks@gmail.com	NA	NA	NA	NA	2500	0
19	AM Nonwovens	Abilash Andrew	abilash.andrew@amnonwovens.com	5000	0	NA	NA	50	0
20	Tarun Enterprises	Tarun Jaggi	Info@optitecheyecare.com	NA	100	NA	NA	NA	500
21	Dispowear Sterite Co	Ravi Kumar	Sales@dispowear.co.in	NA	10000	NA	500	300	500
22	Hitex Healthcare	Abhinav Dhar	Info@hitexhealthcare.com	NA	NA	NA	NA	200	0
23	Precious life care pvt ltd	Mohit Agrawal	preciouslifecare@gmail.com, ssehterprisesindore@gmail.com	NA	NA	NA	NA	1000	3000
24	Sivshree Meditex (India) Pvt Ltd - ISO 13485:2016 Certified	Karthik Kumar	sivshreeconcerns@gmail.com, sivshree.office@gmail.com	NA	NA	NA	NA	2500	0
25	Ashwin Surgicals	S K Murugan	ashwinsurgical19@gmail.com, ashwinraj1413@gmail.com	NA	1,00,000	NA	NA	1500	0

Manufacturing Capacity & Stock In Hand									
S.No.	Company	Contact Person	Email ID	Face Mask 3 Layer		Face Mask N95		Coverall	
				Mfg. Capacity/ Day	Stock In Hand	Mfg. Capacity/ Day	Stock In Hand	Mfg. Capacity/ Day	Stock In Hand
Total National Manufacturing Capacity per day/ Stock In Hand				627000	440100	5000	2500	17030	7400
1	Shalex Overseas	Ms. Tulsii	product.manager@shalexoverseas.com	NA	NA	NA	NA	600	1800
26	Plasti Surge Industries Pvt. Ltd.	Aditya Daga	sales@psldispo.com	15000	5000	5000	2000	1500	500
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TOTAL				627000	440100	5000	2500	17030	7400