

Government of India, Ministry of Home Affairs  
Directorate General, National Disaster Response Force  
(Procurement Branch)

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TE No. 1-17018/Proc./1520/HQ-NDRF/2021 -1309

Dated, the 27/10/2021

1. On behalf of the President of India, DG NDRF invites on line open tender in two-bid system for the procurement of 4074 Nos. NBC Permeable Suit Mk-V for NDRF Units.
2. Bids shall be submitted online at CPPP website <https://eprocure.gov.in/eprocure/app>. Tenderers are advised to follow the instructions provided in the Instruction to Bidder (ITB). Tenderers are advised to follow the instruction for online bid submission regarding e-submission of the bids" through Central Public Procurement Portal for e-procurement at <https://eprocure.gov.in/eprocure/app>. **Only online bid would be accepted.**

**CRITICAL DATE SHEET**

Tender Published on <a href="http://www.eprocure.gov.in">www.eprocure.gov.in</a> & <a href="http://www.ndrf.gov.in">www.ndrf.gov.in</a>	28/10/2021
Bid Document download start Date	29/10/2021
Clarification Start Date	29/10/2021
Clarification End Date	05 /11/2021 at 1700 Hrs.
Pre-bid meeting	05 /11/2021 at 1500 Hrs.
Bid Submission Start Date	11 /11/2021 at 0930 Hrs
Bid Submission End Date	17 /11/2021 at 1500 Hrs
Bid Opening Date	18 /11/2021 at 1500 Hrs

3. This tender enquiry has contains as following:-

- (i) Instruction to Bidders (ITB)
- (ii) Eligibility and Qualification criteria
- (iii) Schedule of requirements
- (iv) Technical Specifications
- (v) General Condition of Contract (GCC)
- (vi) Special Condition of Contract (SCC)
- (vii) Standard formats

Enclosure: As above.

(Bharat Bhushan Vaid)  
DIG (Prov.), NDRF

For and on behalf of the President of India

Copy to: -

1. The DDGQA (NBC), Pune, email: <a href="mailto:nbcwaundh-dgqa@nic.in">nbcwaundh-dgqa@nic.in</a>	: For information please.
2. In-charge (IT Cell), HQ NDRF	: Upload the tender on NDRF website please.





## **INSTRUCTION TO BIDDERS (ITB)**

### **INSTRUCTION FOR ONLINE BID SUBMISSION**

As per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal (URL: <http://eprocure.gov.in>). The bidders are required to submit soft copies of their bids electronically on the CPP Portal at <http://eprocure.gov.in/eprocure/app>, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>

## **2. REGISTRATION**

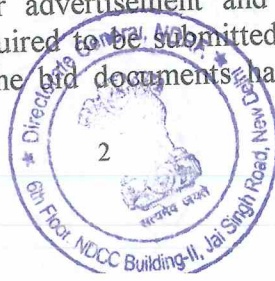
- 2.1 Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <http://eprocure.gov.in/eprocure/app>) by clicking on the link "Click here to Enroll". Bidder Enrolment on the CPP Portal is free of charge.
- 2.2 As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 2.3 Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 2.4 Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
- 2.5 Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
- 2.6 Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / eToken.

## **3. SEARCHING FOR TENDER DOCUMENTS**

- 3.1 There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal.
- 3.2 Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective „My Tenders“ folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 3.3 The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk Desk No. 0120-4001 062/4001 002/05.

## **4. PREPARATION OF BIDS**

- 4.1 Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 4.2 Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of





documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

4.3 Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with 100 dpi with black and white option.

4.4 To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

## **5. SUBMISSION OF BIDS**

- 5.1 Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 5.2 The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 5.3 **Bidder should submit Bid Security Declaration Certificate as per the instructions specified in the tender document otherwise the uploaded bid will be rejected.**
- 5.4 Price Bid Format is provided in a standard BoQ format (.xls File) which has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file template is found to be modified by the bidder, the bid will be rejected.
- 5.5 The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 5.6 All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done.
- 5.7 The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 5.8 Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 5.9 The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.



## 6. **ASSISTANCE TO BIDDERS**

- 6.1 Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- 6.2 Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 0120-4001 062/4001 002/05.
- 6.3 For any queries, the bidders are asked to contact through e-mail [dcprocecell-ndrf@gov.in](mailto:dcprocecell-ndrf@gov.in) or by phone: 011-23438091 or CPPP Helpdesk Desk No. 0120-4001 062/4001 002/05.



**(Bharat Bhushan Vaid)**

DIG (Prov.), NDRF

For and on behalf of the President of India



## ELIGIBILITY AND QUALIFICATION CRITERIA

Only those firms who are having valid Transfer of Technology (ToT) from the DRDO lab, or past supplier of item and registered with DGQA for NBC items are eligible to participate in the tender.



(Bharat Bhushan Vaid)  
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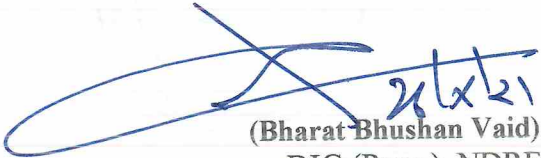
## SCHEDULE OF REQUIREMENTS - I

### LIST OF STORES

S.NO	DESCRIPTION OF STORES	QTY
01	NBC Permeable Suit Mk-V	4074 Nos.

**Note:** Size-wise quantity of NBC Permeable Suit Mk-v will be decided at the time of issue of A.T.



  
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## SCHEDULE OF REQUIREMENTS - II

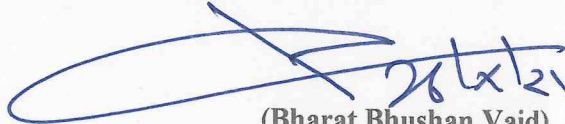
### LIST OF CONSIGNEES

#### NAME & ADDRESS OF CONSIGNEE AND QUANTITY

SL NO.	UNIT	Stores	Qty (Nos)
01	The Commandant 01 Bn NDRF, Patgaon, Po-Azara, Guwahati (Assam), Distt- Kamrup, Pin-781017 R/Stn- Guwahati	NBC Permeable Suit Mk-V	12
02	The Commandant 03 Bn NDRF, Mundali, Post : Mundali, Distt-Cuttack,(Odisha), R/Stn- Cuttack	NBC Permeable Suit Mk-V	167
03	The Commandant 06 Bn NDRF, Jharod Camp, The Wagodia Distt: Vadodara (Gujarat) 391510 R/Stn- Vadodara	NBC Permeable Suit Mk-V	333
04	The Commandant 07 Bn NDRF, Post Box-81, Bibiwala Road, Distt- Bhatinda (Punjab) R/Stn : Bhatinda (Punjab)	NBC Permeable Suit Mk-V	239
05	The Commandant 08 Bn NDRF, Kamla Nehru Market, Sector-19, Ghaziabad( UP)	NBC Permeable Suit Mk-V	296
06	The Commandant 09 Bn NDRF, NH-30, Ara Road, Bihta, Patna (Bihar)	NBC Permeable Suit Mk-V	329
07	The Commandant 12 Bn, NDRF, Vill+Po-Doimukh, Distt- Papum Pare, State- Arunachal, Pradesh-791112	NBC Permeable Suit Mk-V	38
08	The Commandant 13 Bn NDRF, Ladhawal PO- Ladhawal, Distt- Ludhiana (PB)-141008	NBC Permeable Suit Mk-V	665
09	The Commandant 14 Bn NDRF, Jassur Camp, Tehsil-Nurpur, Distt-Kangra (HP)-176201	NBC Permeable Suit Mk-V	665
10	The Commandant 15 Bn, NDRF, Chini Mill, P.O.-Gadarpur, Distt-Udham Singh Nagar (UKD)-263152	NBC Permeable Suit Mk-V	665
11	New Raising 16 Bn NDRF will be functioned soon in NCR area. Exact location & address of Battalion will be intimated in due course.	NBC Permeable Suit Mk-V	665
<b>Total</b>			<b>4074</b>

**Note :** Size-wise quantity of NBC Permeable Suit Mk-v will be decided at the time of issue of AT.



  
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### SCHEDULE OF REQUIREMENTS - III

#### GUARANTEE/WARRANTY

- a) Manufacturers have to ensure the performance quality from the date of manufacture of NBC Suit Permeable Mk-V.
- b) The stores supplied against the contract shall be deemed to bear warranty for 12 months by the contractor against defective design, material and workmanship for the receipt of each consignment of the NBC Suit Permeable Mk-V. In the case of receipt of substandard or defective suit, the same shall be replaced by the contractor free of cost at consignees end without delay after the receipt of information. In no case the period of replacement shall exceed six months.

(Signature of the Owner/  
Auth. Rep. of the firm  
Date:





## SCHEDULE OF REQUIREMENTS – IV

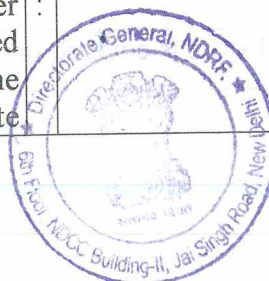
**Note:-** Tenderers should be furnished / written specific answers to each questions. If the answers so furnished are not clear and/or are evasive, the offer will become liable for rejection.

### DETAILS OF MANUFACTURER/FIRM

1	(a)	Name	:	
	(b)	Office	:	
	i.	Address	:	
	ii.	Telephone number	:	
	iii.	Mobile number	:	
	iv	Fax	:	
	v.	e-mail	:	
	(c)	Works		
	i.	Address	:	
	ii.	Telephone number	:	
	iii.	Fax	:	
	(d)	Contact person details		
	i.	Name	:	
	ii.	Designation	:	
	iii.	Telephone number	:	
	iv.	Mobile number	:	
	v.	E-mail	:	
	(e)	Supporting authorization documents should be attached.		
2.	Details and Address of Subsidiary Office(s)		:	
3.	Please confirm that you have offered packing as per tender enquiry requirements. If not indicate deviations.		:	
4.	Gross weight of consignment. (Net weight of each item)		:	
5.	Permanent Account Number (PAN) (Copy of PAN Card should be attached)		:	
6.	Whether firm is registered with Ministry of MSME or Distt. Industry Centre (DIC) as MSEs (Micro & Small Enterprises) or with Start-up India. If yes, upload photocopy along with following information:-		:	
	i.	Registration certificate with validity date	:	
	ii.	Tendered store is covered or not	:	



	iii.	Specify Monetary Limit in Rs.	:	
	iv.	Production capacity per month	:	
7.	Banker details:-			
	(a)	Name	:	
	(b)	Address	:	
	(c)	Telephone number	:	
	(d)	Fax number	:	
	(e)	E-mail	:	
8.	Business name and constitution of the firm. Is the firm registered under:-		:	
	(i)	The Indian Companies Act, 1956	:	
	(ii)	The Indian Partnership Act, 1932. (Please also give name of partners)	:	
	(iii)	Any Act; if not, who are the owners. (Please give full names and address.)	:	
9.	Whether the tendering firm is manufacturer of the store specified in the tender		:	
10.	If stores offered are manufactured in India, please state whether all the raw materials, components etc. used in their manufacturing are also produced in India. If not give details of materials components etc., that are <b>Imported</b> and their breakup of the Indigenous and Imported components together with their value and proportion it bears to the total value of the store should also be given		:	
11.	State whether raw materials held in stock sufficient for the manufacture of the stores		:	
12.	Please indicate the stocks in hand at present time		:	
	(i)	Held by you against this tender	:	
	(ii)	Held by M/s. _____ over which you have secured an option	:	
13.	Do you agree to Sole Arbitration by Secretary Ministry of Home Affairs or by some other person appointed by him as provided in Clause 9.9 of the Manual for Procurement of Goods, 2017.		:	
14.	For Partnership firms state whether they are registered or not registered under Indian Partnership Act, 1932. Should the answer to this question by a Partnership firm be in the affirmative, please state further		:	
	(a)	Whether by the partnership agreement, authority to refer disputes concerning the business of the partnership to arbitration has been conferred on the partner who has signed the tender.	:	
	(b)	If the answer to (a) is in the negative, whether there is any general power of attorney executed by all the partners of the firm authorizing the partner who has signed the tender to refer dispute	:	





		concerning business of the partnership to arbitration.	
	(c)	If the answer to either (a) or (b) is in the affirmative, furnish a copy of either the partnership agreement or the general power of attorney as the case may be	
	N.B. (1)	Attach to the tender a copy of either document on which reliance is placed for authority of partners or the partner signing the tender to refer disputes to arbitration. The copy should be attested by a Notary Public or its execution should be admitted by Affidavit on a properly stamped paper by all the partners.	
	(2)	Where authority to refer disputes to arbitration has not been given to the partner signing the tender the tenders must be signed by every partner of the firm.	
15.	Here state specifically		
	(i)	Whether the price tendered by you is to the best of your knowledge and belief, not more than the price usually charged by you for stores of same nature/class or description to any private purchaser either foreign or as well as Govt. purchaser. If not state the reasons thereof if any. Also indicate the margin of difference.	
	(ii)	In respect of indigenous items for which there is a controlled price fixed by law, the price quoted shall not be higher than the controlled price, and if the price quoted exceeds the controlled price the reasons thereof should be stated.	
16.	Are you:-		
	(i)	Holding valid Industrial License(s)/Registration Certificate under the Industrial Development and Regulation Act, 1981. If so, please give particulars of Industrial Income Registration Certificate	
	(ii)	Exempted from the licensing Provision of the Act for the manufacture of item quoted against this tender. If so, please quote relevant orders and explain your position	
	(iii)	Whether you possess the requisite license for manufacture of the stores and/or for the procurement of raw materials belonging to any controlled category required for the manufacture of the store? In the absence of any reply it would be assumed that no license is required for the purpose of raw materials and/or that you possess the required license.	
17.	State whether business dealings with you have been <b>banned</b> by Min./Deptt. of any Central / State Government. If yes, then give the details otherwise upload the self-declaration certificate with technical bid		



18.	Have your Firm ever been <b>black listed or debarred</b> by any Govt. or Semi Govt. or Autonomous bodies	:	
19.	Confirm that you have read all the instructions carefully and have complied with them accordingly	:	
20.	Complete address of GST assessment/return office along with GST number.		
21.	Name and details of Authorized Person who dealing with NDRF for this Tender (Photo Copy of I-Card should be attached)		
22.	Change of name of the Firm, if any, since origin, with date and reasons thereof		
23.	Any criminal or civil case pending against firm or owner of the firm (furnish details thereof)		
24.	Full address of Income Tax office.		
25.	Details of last Income Tax Return (ITR) (copy of the same should be attached)		

Signature of Witness: .....	Signature of Tenderer: .....
Full name (Block letters) Address:-	(1) Full name (Block letters). (2) Address
	(2) Whether signing as Proprietor/ Partner/ Constituted Attorney/ duly authorized by the Company.

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THE PROJEC-

e-mail	Address	Address	e-mail
Fax	Telephone	Telephone	Fax



**SCHEDULE OF REQUIREMENTS - VI**  
**PROFORMA FOR EQUIPMENT AND QUALITY CONTROL**

(THIS PROFORMA IS REQUIRED TO BE SUBMITTED IN DUPLICATE)

Tender No. & Date \_\_\_\_\_ for the supply of \_\_\_\_\_.

1. Details of firm

(a) Name :

(i) Office :

(ii) Address :

(iii) Telephone :

(iv) Fax :

(v) e-mail :

(vi) Mobile No :

(b) Works :

(i) Address :

(ii) Telephone :

(iii) Fax :

(iv) e-mail :

(v) Mobile No. :

2. Location of manufacturing works/factory. Factories owned by you (Documentary). In case you do not own the factory but utilize the factory of some other firm for the manufacture/ fabrication of the stores for which you apply for registration on lease or other base you should furnish a valid legal agreement of the factory of \_\_\_\_\_

\_\_\_\_\_ (here indicate the name of the firm whose factory is being utilized) has been put at your disposal for the manufacture /fabrication of the stores for which registration has been applied for.

3. Details of plant and machinery erected and functioning in each department (Monograms and descriptive Pamphlets should be supplied, if available).
4. Whether the process of manufacture in factory is carried out with the aid of power or without it.
5. Details and stocks of raw material held (state whether imported or indigenous) against each item.
6. Production capacity of each item with the existing plant & machinery:

(a) Normal \_\_\_\_\_

(b) Maximum .....





7. Details of arrangements for quality control of products such as laboratory etc.

8. (a) Details of Technical/ Supervisory Staff in-charge of production & Quality control.

(b) Skilled labour employed.

(c) Unskilled labour Employed.

(d) Maximum No. of workers (Skilled & Unskilled) employed on any day during the 18 months preceding the date of application.

PLACE : \_\_\_\_\_

DATE : \_\_\_\_\_

**SIGNATURE OF THE TENDERER**

Designation \_\_\_\_\_

Company/ Firm \_\_\_\_\_

**N.B.: (1)**

Details under column 2 to 8 inclusive need to be restricted to the extent they pertain to the item(s) under reference.



## QUESTIONNAIRE ABOUT MANUFACTURER

2. a) Whether having TOT from DRDO lab for subject stores

Yes

No.

b) If yes, date of final inspection  
(Enclose attested photocopy)

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Date \_\_\_\_\_

c) **Validity Date**

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Permanently

3. a) Whether registered with DGQA or otherwise

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\_\_\_\_\_

Yes

No

b) If yes, copy of registration certificate should be attached

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\_\_\_\_\_

c) Validity Date

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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4. Whether you agree to submit advance sample if called upon to do so within specified period

\_\_\_\_\_

\_\_\_\_\_

Yes

No

5. Whether past supplier of subject store to DRDO Or Defence during the last 3 years.

\_\_\_\_\_

\_\_\_\_\_

Yes

No

(If yes, submit performance report in enclosed Performa)

6. Terms of delivery: (i) FOR Destination for Indigenous Manufacturer  
(Free delivery to consignee basis)

\_\_\_\_\_

7. a) Delivery period in months from the date of placement of order/ Approval of Advance Sample.

Months

	Months
Jan.	
Feb.	
Mar.	
Apr.	
May	
June	
July	
Aug.	
Sep.	
Oct.	
Nov.	
Dec.	

b) Monthly rate of supply.

\_\_\_\_\_

8. Acceptance to conditions of contract as Contained in DGS&D-68 (Revised) amended up to date and those contained in Pamphlet No. DGS&D-229 read with Annexure attached. 35

\_\_\_\_\_

\_\_\_\_\_

Yes

No





9. Have you enclosed required Earnest Money:    
Yes No
10. Do you accept tolerance clause:    
Yes No
11. Is your firm eligible to received Govt Contract for the tendered stores under the provision of law of the land.    
Yes No
12. Have your firm ever failed to complete ordered supply and tendered short closed.    
Yes No
12. Whether your firm is compliant on environmental safe guards.    
Yes No
13. Has ever been any FIR complaint lodged against your firm with Police.    
Yes No

14. Kindly give details if any.

Signature of Tenderer : \_\_\_\_\_

Name in Block letters : \_\_\_\_\_

Capacity in which : \_\_\_\_\_

Tender is signed: \_\_\_\_\_

Full Address : \_\_\_\_\_



## SCHEDULE OF REQUIREMENTS - VIII

### FORM – 68-A (OFFER STORE)

Full name and address of the  
Tenderer in addition to post Box  
No., if any, should be quoted in  
all communications to this office

From: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

TENDER NO. \_\_\_\_\_

Dear Sir,

1. I/We hereby offer to supply the stores detailed in the schedule hereto or such portion thereof as you may specify in the acceptance of Tender at the price given in the said schedule and agree to hold this offer open till \_\_\_\_\_, I/We shall be bound by a communication of acceptance within the prescribed time.
2. I/We have understood all the instructions to Tenderers in the Tender Enquiry and have thoroughly examined the specification drawing and/or pattern quoted in the schedule hereto and am/are fully aware of the nature of the stores required and my/our offer is to supply stores strictly in accordance with the requirements.
3. I/We have understood all the tender conditions in the tender enquiry and will comply with them.
4. Schedule of requirements III to VII have been submitted duly filled in & signed.
5. The following pages from page No.1 to Page No. \_\_\_\_\_ have been added to and will form the part of this tender.

Yours faithfully  
(SIGNATURE OF TENDERER)  
ADDRESS \_\_\_\_\_  
DATED \_\_\_\_\_

SIGNATURE OF WITNESS

ADDRESS \_\_\_\_\_  
DATED \_\_\_\_\_





**TECHNICAL SPECIFICATIONS OF NBC PERMEABLE SUIT MK-V**

1. THIS SPECIFICATION GIVEN IN BELOW PAGES INCLUDING TABLES AND SHEETS OF DRAWINGS.
2. THIS SPECIFICATION IS INTENDED TO GUIDE MANUFACTURE OF NBC SUIT PERMEABLE MK-V AGAINST DEFENCE REQUIREMENT.
3. THIS SPECIFICATION OR ANY OTHER INFORMATION ISSUED IN CONNECTION THEREWITH SHALL ONLY BE USED FOR SPECIFIC ORDER PLACED BY A COMPETENT AUTHORITY.
4. ALL CLAUSES IN THIS SPECIFICATION SHALL BE COMPLIED WITHIN EVERY ASPECT, IRRESPECTIVE OF THE SOURCE OF SUPPLY OF THE MATERIAL.
5. IN CASE OF ANY DISCREPANCY BETWEEN THIS SPECIFICATION AND SAMPLE LOANED FOR ANY PURPOSE, THIS SPECIFICATION ALONG WITH OTHER CONNECTED SPECIFICATION SHALL BE TAKEN AS CORRECT AT THE TIME OF FINALISATION OF A CONTRACT.
6. IN CASE OF ANY CONFLICT BETWEEN THIS SPECIFICATION AND TEXT OF ANY QUOTED/CONNECTED STANDARD THIS DOCUMENT SHALL PREVAIL.
7. IN CASE OF ANY DISCREPANCY/AMBIGUITY WHICH IS NOT ADDRESSED THROUGH PARA 5 OR 6 ABOVE, THE DECISION TAKEN BY O/O DGLS, DRDO WILL BE FINAL AND BINDING.



<u>SL. NO</u>	<u>SUBJECT</u>	<u>PAGE NO</u>
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2.	BRIEF INTRODUCTION	6
3.	MATERIALS USED IN NBC SUIT PERMEABLE MK V	6
4.	STANDARD PATTERN	6
5.	MATERIALS	7
6.	MANUFACTURE	7
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## 1. SCOPE AND DRAWINGS

This specification covers the requirement of NBC Suit Permeable Mk-V to provide protection against toxic chemicals. The suit is in the form of a coverall. This is available in four sizes viz. Small (S), Medium (M), Large (L) and Extra Large (XL). Technical Specification of all the input materials required in manufacture of suit along with design details are included/referred in this specifications. The various dimensions of an overall of various sizes has been laid down (Table 1). The dimensions of hood of jacket, common to all sizes of suits has been laid down in table 2. The suit shall be supplied with four pairs of NBC shocks of free sizes to fit all personnel.

**Table 1: Size details (in cm) of NBC Suit Permeable Mk-V.**

SI. NO	PARTICULARS	SMALL	MEDIUM	LARGE	EXTRA LARGE
A	Chest	98	112	120	128
B	Shoulder Breadth	40	49.5	52	54
C	Sleeve Length	62	63.5	65.5	67.5
D	Arm Hole (Arm Scye)	50	57	62	64
E	Sleeve open	29	30	32	34
F	Waist (Hip)	100	114	126	136
G	Thigh (Circumference)	70	78	81	84
H	Knee (Circumference)	58	60	62	64
I	Neck (Circumference)	65	68	72	72
J	Crotch Height	79	81	83	85
K	Inner Sleeve Open (Wrist Circumference)	18	18	19	19
L	Inner Bottom Open (Ankle Circumference)	21	21	22	22
M	Total Height	150	154	158	163

**Note:** All the dimensions are in centimeter (cm).

**Table 2: The dimension of hood of jacket, common to all sizes of suit.**

S. No	Particulars	Dimension (cm)
1.	Length from shoulder neck to hood top	42
2.	Neck round	65
3.	Round face periphery	76
4.	Centre piece length	28
5.	Centre piece Width	10.5
6.	Width of flap at front-	
	Lower edge	8
	Top edge	11
7.	Length of front flap-	
	At centre	16
	At sides	14



The drawing of NBC Suit Permeable Mk-V is shown in figures 1.1 and 1.2.

FRONT VIEW



**Figure 1.1: Front view of NBC Suit Permeable Mk-V**





## 1.2 DRAWING-BACK VIEW

### BACK VIEW

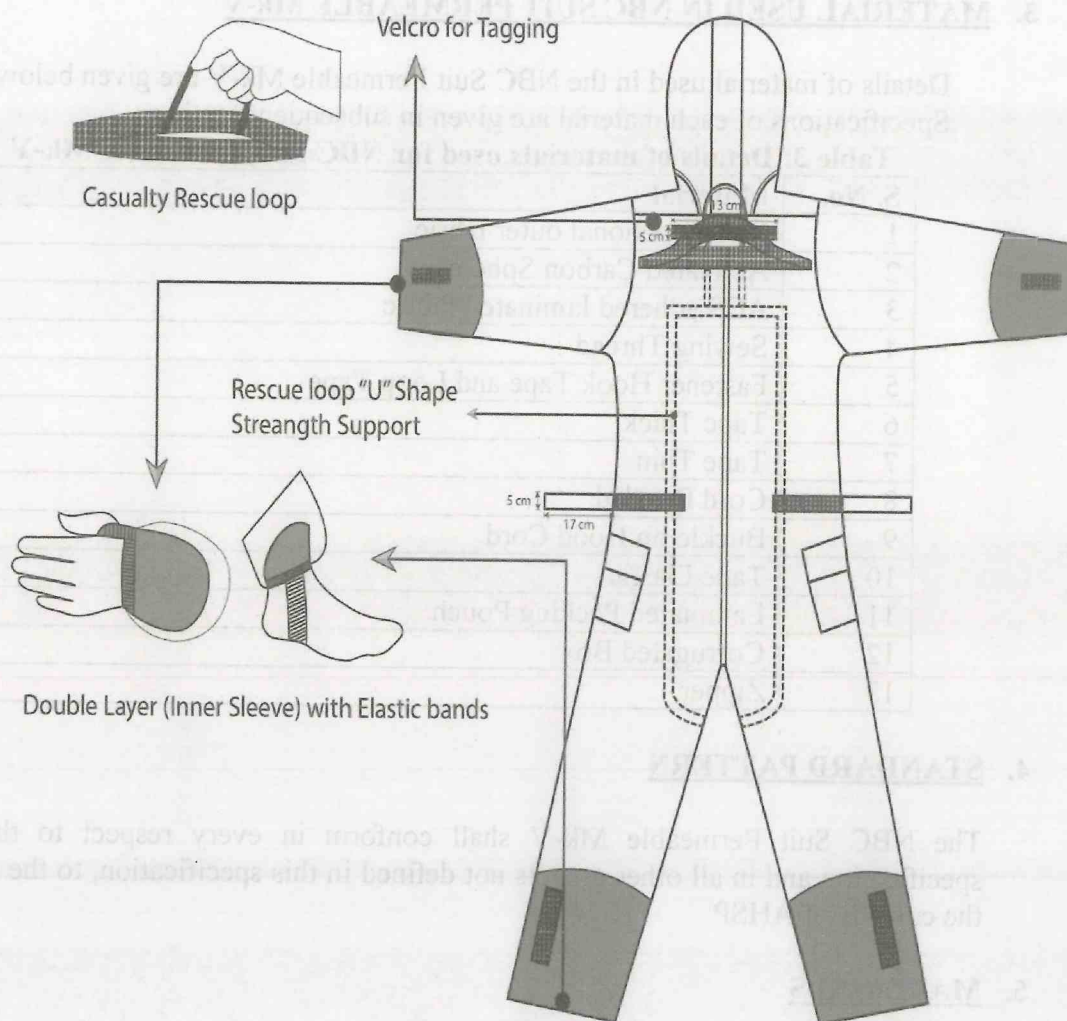


Figure 1.2: Back view of NBC Suit Permeable Mk-V



## 2. **BRIEF INTRODUCTION**

It is a new generation indigenous suit which has been named as NBC Suit Permeable Mk-V. The inner adsorbent layer is made of Activated Carbon Spheres adhered to a fabric laminated with non-woven fabric. The outer fabric is light weight, multifunctional viz. fire retardant, oil and water repellent, antistatic and disruptively printed.

## 3. **MATERIAL USED IN NBC SUIT PERMEABLE Mk-V**

Details of material used in the NBC Suit Permeable Mk-V are given below in table 3. Specifications of each material are given in subsequent sections.

**Table 3: Details of materials used for NBC Suit Permeable Mk-V**

S. No.	Material
1	Multifunctional outer fabric
2	Activated Carbon Spheres
3	ACS adhered laminated fabric
4	Sewing Thread
5	Fastener Hook Tape and Loop Tape
6	Tape Thick
7	Tape Thin
8	Cord Braided
9	Buckle on Hood Cord
10	Tape Elastic
11	Laminated Packing Pouch
12	Corrugated Box
13	Zipper

## 4. **STANDARD PATTERN**

The NBC Suit Permeable Mk-V shall conform in every respect to the terms of the specification and in all other aspects not defined in this specification, to the sealed sample in the custody of AHSP.

## 5. **MATERIALS**

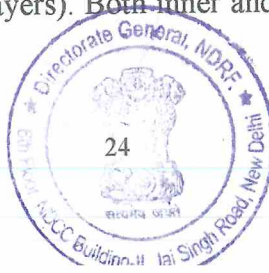
5.1 The NBC Suit Permeable Mk-V shall be manufactured from the materials as per specification at clause 3 above. The requirement of colour, in respect of material listed in tables may be varied for some specific application e.g. Naval / Air Force/ Para Military Forces and regarding this change the decision will be taken by AHSP which shall be binding on the manufacturer.

5.2 The manufacturer, in his own interest, is advised to submit samples of the above materials to AHSP for inspection and approval before using this material in the manufacture of NBC Suit Permeable Mk-V.

## 6. **MANUFACTURE**

### 6.1 **GENERAL STITCHING**

6.1.1 The Suit coverall shall be made of composite fabric consisting of two layers viz; (i) Outer Layer multifunctional fabric, Camouflage printed (ii) Inner (adsorbent) layer of ACS adhered laminated fabric (Three Layers). Both inner and outer layers, when used together, are referred as composite fabrics.





6.1.2 The layers of the fabric shall always be stitched together followed by over-locking in such a way that the knitted or woven surface of inner layer faces/touch the body. For stitching of coverall and their components, spun sewing thread 200± 5% Denier will be used.

6.1.3 NBC Suit Permeable Mk-V (Coverall) shall be fabricated throughout by double stitching and cross stitching on tapes. The item shall be assembled throughout with lock stitches regulated as 30 to 35 stitches per decimeter with even tension. For the reinforcement of stitches, all the stitch lines at the start and at the end shall have return stitch. The loose end of fabric shall be hemmed to avoid fraying. The ends of loose threads shall be properly trimmed off.

6.1.4 Heat sealing of all loose ends of tapes shall be properly cut and heat sealed.

## 6.2 LABELLING

6.2.1 Label, shall be stitched on the inside of right side pocket of coverall, marked in (English & Hindi) as under:-

Line-1 - Name of Manufacture, Size Details, Care Instruction

Line-2 - Order Number, Manufacturing Date, Lot Number

Line-3 - Opening Date and Person Name

Line-4 - Laundering Number (For Example) Cut the Laundry number after each wash

Stitched End

Laundry - 6
Laundry - 5
Laundry - 4
Laundry - 3
Laundry - 2
Laundry - 1

Cut after each wash

6.2.2 The label shall be woven with white art silk for background and red art silk for the letters. There shall be a clear gap of 5 mm from the edges all-around.

## 7. FABRICATION OF COVERALL SUIT

In, shape, workmanship and finish, and in all other aspects not defined in the specification, the suit shall conform to sealed sample held in the custody of AHSP. The description of stitching of main parts of the suit is given in subsequent paragraphs. The Suit shall be stitched by integrating these parts. For finer details, the relevant drawings shall be referred.

## 8. TECHNICAL REQUIREMENTS

The complete technical parameters used for evaluation of NBC Suit Permeable Mk-V are given in Table 9 of this specification.

### 8.1 DIMENSIONS

The major details and main dimensions of the item are provided in the attached sketch. For further fine details, the sealed sample shall be referred for manufacture and final approval. All measurements shall lie within tolerance limit. Wherever not stated, a tolerance of ± 5 mm is allowed in respect of all measurements between 200 to 400 mm, ±10 mm in respect of measurements more than 400 mm to 820 mm and ±15 mm in respect of measurements more than 820 mm to 1700 mm related to component parts/location of various fitting.

### 8.2 WEIGHT

The weight of complete suit (Coverall), without packing, of any of the four sizes i.e., small, medium, large and extra-large shall be not more than 2.75 kg.





### 8.3 CARBON SHREDDING

During use, the User may observe some carbon particles over his undergarments/body. This is known as carbon shredding. A certain minimum level of carbon shredding is a technical limitation and not a deficiency. The weight loss as percentage of weight of original specimen is recorded for each specimen. The weight loss so found indicates carbon shredding in the fabric in a quantitative manner. The sample, when tested in accordance with this method, shall not have more than 1% after each laundering and no carbon loss exceeding 3% after 6 laundering cycles.

## 9. INSTRUCTION USER HANDBOOK

9.1 A User Handbook duly printed providing details of suit, material, salient features, technical data, instructions for using, and Dos and Don'ts, shall be placed in each multiple pack on the top of Unit pack of Overall packed. The type, design and format of text of hand book shall be bilingual (English & Hindi).

9.2 **Washing Method-** Take 10 litre of lukewarm water ( $38 \pm 3^\circ\text{C}$ ), add 2 ml of soft liquid detergent like Ezee or Genteel and stir. The material (fabric) to liquor ratio shall be 1:50. Soak the suit in solution for 15 minutes. After gentle rinsing, dip wash the suit in plain clean water two to three times till no signs of detergent are noticed. The suit to be line dried thereafter under sun.

**Important-** One suit can withstand only six cycles of washing with method specified above.

9.3 A washing method instruction label printed in English and Hindi will be stitched inside the NBC coverall.

## 10. WORKMANSHIP AND FINISH

10.1 In appearance, shape, workmanship and finish, and in all other aspects not defined in this specification, the suit shall conform to sealed sample held in the custody of AHSP.

## 11. PACKING & MARKINGS

11.1 **Nitrogen Vacuum Packing** - To ensure shelf life of NBC Suit Permeable Mk-V, it is packaged in a two layer packaging system. The inner layer is vacuum packed with multi layered laminated film with a moisture adsorbent. The outer packaging bag should have zipper and will be utilized for storage of suit in between use. The whole sealed packet is placed inside a PP corrugated box. Each PP corrugated box should hold at least 5 no. of suits.

11.2 A label, stitched with the suit, shall be printed with the manufacture's name or recognized trademark together with the month and year of manufacture, nomenclature as well as size of the suit and name of the developer, i.e., DRDO and name of the manufacturer.

11.3 Before dispatch, each complete box shall be legibly and indelibly marked with the following details:

- a. Nomenclature and Size
- b. Quantity packed in the box
- c. Lot and serial number of the box
- d. Month and year of packing
- e. Name and monogram of the Developing Agency
- f. Name and trade mark of the manufacturer
- g. Gross weight of the box in kg.
- h. Name and address of the consignee
- i. Inspection Note Number and date
- j. Cat/Part No
- k. Month/Year of Manufacture
- l. Month/Year of expiry

## 12. PRE-INSPECTION OF STORE/CONSIGNMENT

Before tendering for inspection, the supplier shall carry out a thorough pre-inspection of each delivery to satisfy himself that the store fully conforms to the specifications and the sealed





sample. The pre-inspection data is to be submitted along with each challan/offering note for QA to the QA Officer of inspection agency.

### **13. QUALITY ASSURANCE**

13.1 The quantity of store offered against one dispatch note shall constitute a lot.

13.2 The details of sampling and testing of the same should be carried out for the purpose of quality assurance.

### **14. GUARANTEE & WARRANTY**

14.1 Manufacturers have to ensure the performance quality from the date of manufacture of NBC Suit Permeable Mk-V.

14.2 The stores supplied against the contract shall be deemed to bear warranty for 12 months by the contractor against defective design, material and workmanship for the receipt of each consignment of the NBC Suit Permeable Mk-V. In the case of receipt of substandard or defective suit, the same shall be replaced by the contractor free of cost at consignees end without delay after the receipt of information. In no case the period of replacement shall exceed six months.

### **15. STORAGE AND SHELF LIFE**

15.1 Shelf life of NBC Suit Permeable Mk-V is 10 years. After 5 Years of storage, get random sample testing done through DRDO to confirm chemical protection.

15.2 Minimum sample testing recommended as per Standard.

#### **DETAILS OF RAW MATERIALS FOR NBC SUIT PERMEABLE Mk-V**

#### **16. Multifunctional outer fabric**

##### **16.1 Scope**

This specification covers the requirement of camouflage printed multifunctional outer fabric. Printed and minimum 100 gsm to be used as outer layer of NBC Suit Permeable Mk-V. Suitable materials and treatments shall be employed for the manufacture of the fabric to meet the performance requirements as laid down in Table 4.

##### **16.2 Sealed Sample**

In appearance, finish, shade/pattern and all other aspects not defined in this specification, the finished fabric shall conform to the sealed sample held in the custody of AHSP.

**Table 4: Multifunctional outer fabric, camouflage printed.**

Sr No	Test Parameter	Requirement	Standard
1	Mass (min.)	100 gsm	ASTM D 3776
2	Breaking Strength (kgf), 1. Warp (min.) ii. Weft (min.)	50 40	IS 7016 (Part 2)
3	Flame Retardency After flame –(max.) After glow –(max.) Char length- (max.)	5 sec. 5 sec 110 mm	IS 11871 (Procedure A)
4	Water Repellency (min.)	90	IS 390
5	Air permeability at 0.5 inches (125 Pa) of water head (min.)	30 cm <sup>3</sup> sec/cm <sup>2</sup>	ASTM D 737
6	Oil Repellency (min.)	6	AATCC 118
7	Dimensional stability (max.)	6%	AATCC 135
8	Color fastness to washing, Rating (min.)	4	ISO 105 C10
9	Nature of material	FR material	ISO 15025





10	Tear strength (kgf) (min.)	Warp 3.0 Weft 3.0	ASTM D 1424
11	Antistatic	$< 5.3 \times 10^{12}$ Ohm	(EN 1149-1)

## 17. ACTIVATED CARBON SPHERES

### 17.1 Scope

This specification covers the requirement of Activated Carbon Spheres for adsorbent application such as for fixing on a fabric which subsequently laminated with a non-woven fabric, for manufacture of adsorbent layer of breathable NBC Suit Permeable Mk-V.

### 17.2 Sealed Sample

In appearance, finish, shade/pattern and all other aspects not defined in this specification, the finished fabric shall conform to the sealed sample held in the custody of AHSP.

### 17.3 General requirements

The Activated Carbon shall be dry spherical form free from foreign materials and other such visible impurities.

### 17.4 Tests

All the samples taken from any portion of supply shall comply with the requirements of tests specification given below in table 5.

Table 5: Details of Activated Carbon Spheres

Sr No	Test Parameter	Requirement	Standard
1	BET Surface Area ( $\text{m}^2/\text{g}$ )	$\geq 800$	ASTM D 6556
2	Iodine number ( $\text{mg}/\text{g}$ )	$\geq 1,000$	ASTM D 4607
3	Particle size by wt, % Particle retained on 300 $\mu\text{m}$ sieve Particle retained on 800 $\mu\text{m}$ sieve	$> 95$ $< 5$	ASTM D 2862
4	Compressive strength ( $\text{kg}/\text{sphere}$ )	$\geq 1.5$	ASTM C 695

## 8. ACS ADHERED LAMINATED INNER FABRIC

The complete details of ACS adhered laminated fabric are given in table 6.

Table 6: Details of ACS adhered laminated inner fabric

Sr No	Test Parameter	Test Parameter value	Remarks
1	Mass (max.)	400 gsm	ASTM D 3776
2	Bursting strength (min.)	500 kPa	ISO 13938-2, 1999
3	Air permeability at 0.5 inches (125 Pa) of water head (min.)	30 $\text{cm}^3 \text{ sec}/\text{cm}^2$	ASTM D 737
4	% Carbon Shredding (After 6 wash), (max.)	3.0%	MIL DTL 32102A
5	HD-BTT (min.)	24 h	DRDE-SOP

**18.1 Scope :-** This specification covers the requirement of ACS Adhered Laminated Fabric required in fabrication of NBC Suit Permeable Mk-V.

**18.2 Sealed Sample :-** In appearance finish, shade/pattern and all other aspects not defined in this specification, the finished fabric shall conform to the sealed sample held in the custody of AHSP.

**18.2.1 Sampling :** 5 % of total numbers of rolls offered, minimum three rolls, shall be randomly selected from the offered lot. Samples to be drawn from each roll (50 meters) measuring 2 meters in full width will be taken for full test. The samples to be duly sealed are to be stamped and marked with identification mark.

**18.3 Materials:-** Activated Carbon Spheres (ACS) to be governed by specification given in this document which is subsequently laminated with suitable adhesive.

**18.4 Base Fabric:-** The base fabric to be used in fabrication shall be either knitted or woven. The fabric shall be gray in color as per sealed sample. Suitable construction to meet the performance parameters listed below in table 7.

Table 7: Details of base fabric used for ACS lamination.

Sl no	Test Parameter	Requirement	Method of test
1.	Mass (min.)	120 gsm	EN 12127





2.	Bursting strength (min.)	500 kPa	ISO 13938
3.	Wales per (cm), (min.)	17	EN 14971
4.	Coarse per (cm), (min.)	20	EN 14971
5.	Count of yarn (min.)	40 <sup>s</sup>	EN 14970
6.	Color fastness to washing (min.)	4	ISO 105 C08

**18.5 Non-Woven Fabric:** 50 gsm non-woven fabric shall be employed for the lamination of the ACS coated fabric.

#### 19. ACCESSORIES

The details of accessories used in fabrication of NBC Suit Permeable Mk-V are given below. All the accessories should be as per the specification given in table 8.

**Table 8: Details of accessories used for manufacture of NBC Suit Permeable Mk-V**

Sr. No	Accessories	Standard
1.	Sewing Thread	IS 4910 Part 2
2.	Synthetic Fastener Hook and Loop Tape (Velcro)	IS 8156
3.	Tape Thick	IS 4228
4.	Tape Thin	IS 4228
5.	Cord Braided	IS 4227
6.	Buckle (on hood cord)	BS 5131/ BS 3084
7.	Tape Elastic	IS 9686
8.	Packing Pouch	IS 1060 Part 1
9.	Corrugated Box	IS 1060
10.	Zipper	BS 3084/ BS 5131

**20. Table 9: Overall Testing Parameters for NBC Suit Permeable Mk-V**

S. No	Test	Standard	Reference	Requirement	Test Agency	Remarks/ Frequency
1	Vapour challenge	ATEC TOP 8-2-501	JSQR	Challenge level: 20 mg/m <sup>3</sup> HD, 6 hours, maximum allowed penetration 500 mg. min/m <sup>3</sup>	DRDE/TNO	Swatch test (One time test at Pilot sample stage)
2	Operating temperature	MIL-STD-810F	MIL DTL 32102A	1. Hot-Dry: Conduct hot-dry cycle, 4 h per day for 45 days at 71°C, Relative Humidity, ≤5%, IAW MIL-STD-810F 2. Hot-Humid: Conduct hot-humid cycle, 4 h per day for 45 days at 63°C, Relative Humidity, ≤10%, IAW MIL-STD-810F 3. Cold; Conduct cold cycle 6 h per day for 45 days at -46°C, IAW MIL- STD-810F, No degradation in protection	DRDE/TNO	Suit test (One time test at Pilot sample stage)
3	MIST (Man in Simulant Test)	ASTM F 2588-12	MIL DTL 32102A	Physiological Protective Dosage Factor (PPDF sys) >800	DRDE/TNO	Suit test (One time test at Pilot sample stage)
4	Accelerated storage	MIL-STD-810F	MIL DTL 32102A/ JSQR	Able to withstand hot and cold testing parameters without degradation below minimum protection levels (-5°C to 45°C-JSQR)	DRDE/ DEBEL	For 60 days prior to wear Testing (Suit test) (One time test at Pilot





						sample stage
5	Wear Time	MIL-STD 810F	MIL DTL 32102A	Able to withstand 45 days wear (720 hours cumulative wear time) without damage or degradation below minimum protection levels	DIPAS/ DRDE	Suit test following by swatch test (One time test)
6	Thermal stress	-	MIL DTL 32102A/ JSQR	Physiological testing: continuous wear for 24 hours without causing thermal stress levels sufficient to negatively affect performance	DIPAS	(At 30°C temperature- JSQR), Suit test, (One time test at Pilot sample stage)

S. No	Test	Standard	Reference	Requirement	Test Agency	Remarks/ Frequency
7	Liquid chemical agent challenge	ATEC TOP 8-2-501	JSQR	Challenge level: 10 g/m <sup>2</sup> HD, 1 µL laid droplets, 24 hours, Maximum allowed penetration 4 µg/cm <sup>2</sup>	DRDE/TNO	Swatch test
8	HD BTT test	-	JSQR	24 hour (min.)	DRDE	Swatch test
9	Mandrel test	ATEC TOP 8-2-501	MIL DTL 32102A	Fabric under stress, No penetration in 1 hour	DRDE	Swatch test
10	Expulsion test	ATEC TOP 8-2-501	MIL DTL 32102A	Fabric under pressure, No penetration in 1 hour	DRDE	Swatch test
11	Inverted expulsion test	ATEC TOP 8-2-501	MIL DTL 32102A	Fabric under pressure, No penetration in 1 hour	DRDE	Swatch test
12	Carbon loss	MIL DTL 32102A	JSQR	< 1% each wash, <3% after 6 washes	Accredited Lab/DRDE	Suit/swatch test
13	Dimensional stability	IS 2977/ AATCC135	MIL DTL 32102A	Visual Evaluation, maximum 6% Shrinkage, no critical defect after 6 laundering	DGQA/ Accredited Lab	Swatch/Suit test (Visual assessment)
14	Mechanical stability	IS 7016/ MIL DTL 32102A	JSQR	No delamination or puckering after 6 wash cycles	Accredited Lab/DRDE	Suit/swatch test
15	Colour fastness to washing, Outer fabric	ISO 105 C10	-	4 and above	Accredited Lab	Suit/swatch test
16	Weight	ASTM D 3776	JSQR	< 2.75 kg (for XL size)	Accredited Lab	Suit test
17	Fabric system weight	ASTM D 3776	MIL DTL 32102A	Not to exceed 18.2 oz/yd <sup>2</sup> (616 gsm)	Accredited Lab	Swatch test (XL size < 2.75 Kg)
18	Outer fabric	ASTM D	-	Minimum 100 gsm	Accredited	Swatch test



		3776			Lab	(XL size < 2.75 Kg)
19	Tear strength (outer fabric)	ASTM D 1424	MIL DTL 32102A	Warp 3.0 kgf (min.) Weft 3.0 kgf (min.)	Accredited Lab	Swatch test
20	Water repellency	IS 390	JSQR	Rating 90 and above	Accredited Lab	Swatch test
21	Oil repellency	AATCC 118	JSQR	Rating 6 and above	Accredited Lab	Swatch test
22	Flame retardancy	IS 11871, Procedure A	JSQR	After flame, 5 sec. (max.) After glow, 5 sec. (max.) Char length, mm, maximum-110	Accredited Lab	Swatch test
23	Water vapour resistance	ISO 11092	MIL DTL 32102A	Not to exceed 9.6 m <sup>2</sup> Pa/W	Accredited Lab	Swatch test
24	Air permeability	ASTM D-737, at 125 Pa of H <sub>2</sub> O	JSQR	30 cm <sup>3</sup> /sec/cm <sup>2</sup> (min.)	Accredited Lab	Swatch test
25	Anti static	(EN 1149-1)	JSQR	< 5.3x10 <sup>12</sup> Ohm	Accredited Lab	Swatch test
26	Camouflage	-	JSQR	Visual assessment of colour, pattern and spectral reflectance as per IA disruptive pattern	DGQA/ Accredited Lab	Suit/swatch test
27	Material toxicity	NA	MIL DTL 32102A	Documentation (MSDS)	NA	Document Verification
28	Breaking strength, sewing thread	IS 4910 Pt 2	-	2.5 kgf (min.)	Accredited Lab	-
29	Peel strength, Velcro	IS 8156	-	2.5 N/cm <sup>2</sup> (min.)	Accredited Lab	-
30	Breaking strength, cord	IS 4227	-	150 kgf (min.)	Accredited Lab	-

Note: I have read the specifications and will provide the equipment as per specifications as sought by NDRF in case contract is awarded to me.



(Signature of vendor /Bidder)



## GENERAL CONDITION OF CONTRACT (GCC)

All Tender documents attached with this invitation to tender including the specifications are SACROSANCT for considering any offer as complete offer. It is therefore important that Tender acceptance letter which is a written undertaking that all the terms & conditions mentioned in the tender are understood and accepted should be signed with stamp and submitted online in original through e-procurement site <https://eprocure.gov.in/eprocure/app>.

2. If you are in a position to quote for supply in accordance with the requirements stated in the tender, all documents attached herewith should be duly filled in, signed with stamp and submitted online through e-procurement site <https://eprocure.gov.in/eprocure/app>
3. **PURCHASER'S DISCRETION:-** Director General NDRF reserves the right to:-
  - 3.1 Cancel /reject any or all the tenders without assigning any reason.
  - 3.2 Increase or decrease the quantity at any stage without assigning any reason.
  - 3.3 Change the consignees and allocation of quantities at any stage without assigning any reason.
4. **PURCHASE PRICE PREFERENCE** :-Give a purchase / price preference to offers from public sector units and SSI units over other firms in accordance with the policies of the Govt. from time to time.
5. **EARNEST MONEY**
  - 5.1 All firms who are not registered as MSEs as defined in Procurement Policy issued by MSME for the subject stores for which the offer is being invited, are required to deposit **"BID SECURITY DECLARATION" certificate as mentioned in the tender schedule.**
  - 5.2 For claiming exemption from depositing earnest money, tenderer should be registered with MSEs for the subject stores for which the offers have been invited. Firms not registered for stores indicated in the tender schedule will be treated as unregistered and shall be required to deposit **"BID SECURITY DECLARATION" certificate as mentioned in the tender schedule.**
  - 5.3 In place of bid security, Bidders to sign a Bid security declaration accepting that if Firm withdraw or modify their bids during the period of validity or if firm is awarded with the contract and it fail to sign the contract, or to submit a performance security before the deadline defined in the request for bid documents, firm will be suspended for the period of time specified in the request for bid documents from being eligible to submit bids for contracts with entity that invited the bids
6. **CAPACITY VERIFICATION:-**

Tenderers must submit the details of their plant and machinery on standard Performa enclosed with this Tender Enquiry irrespective of their registration status. Purchaser reserves the right to get the manufacturing capacity of any Tenderer re-verified through its representative or any inspecting agencies, irrespective of their registration status.
7. **TWO BID SYSTEM:** Tenderers are required to submit their offers ONLINE in two bid system i.e.:-
  - 7.1 **FIRST COVER SHOULD CONTAIN THE SCANNED COPIES OF FOLLOWING ELIGIBILITY INFORMATION (IN .PDF FILES ):-**
    - 7.1.1 Scanned copy of Technical bid along with its specification, leaflets, brochures & if any. Composition of technical bid like:-
      - a) Instruction to Bidders (ITB) duly signed with stamp.
      - b) Eligibility and Qualification criteria duly signed with stamp.
      - c) Schedule of Requirements - I to III duly signed with stamp.





- d) Schedule of Requirements – IV to VII duly filled in and signed with stamp.
- e) Technical Specifications duly signed with stamp.
- f) Special Condition of Contract (SCC) duly signed with stamp.
- g) General Condition of Contract (GCC) duly signed with stamp.
- h) All the Standard formats duly signed without quoting price/ taxes in the price bid proforma with stamp.
- i) Any other relevant document which the firm wishes to submit,
- j) Technical details/leaflets/brochure of subject stores as per specifications.
- k) ECS Mandate form duly signed with stamp
- l) Copy of ToT (Transfer of Technology) certificate.

7.1.2 Documents of Earnest money (or) Deptt. of MSME registration certificate for MSEs (or) Startup India registration certificate.

7.1.3 PAN Number/ Proprietors Individual PAN No. in case of Proprietorship concerns along with ITR for last 2 years.

## 7.2 **SECOND COVER SHOULD CONTAIN THE FOLLOWING:-**

7.2.1 Price bid / Financial Bid to be submitted ONLINE as per financial Bid proforma (Standard format of this tender enquiry) i.e. to be filled in the BoQ (excel worksheet) and also enclose the same in PDF format separately.

7.2.2 If the BoQ of excel format would not calculate the exact amount at the time of bidding then the price bid uploaded by the bidder in PDF format will be considered.

7.2.3 Tenderer will attach copies of Govt. Notification in support of all applicable Taxes/Duties quoted in the offer (in PDF format).

7.3 Only the Technical Bid will be opened on the date indicated for Tender opening. Price bids of only those firms will be considered for opening whose offers are complete in all respect and fulfill the requirements as per specifications/QRs and qualifies all technical requirements and terms & conditions as per TE. However, purchaser reserves the right to cancel/reject the tender/offer without assigning any reminder.

## 8 **PRICE**

8.1 The Tenderers are required to quote prices on free delivery to consignee basis. Price will be quoted in figures as well as in words in Indian currency only. L-1 for the store item will be decided inclusive of all Taxes / Duties and all other leviable charges. Format for submission of Price Bid is attached with this Tender Enquiry.

8.2 Firms should quote for the entire quantity/package, however, price break up wherever asked in the price bid is required to be given. Offers without the price break up are liable to be rejected.

8.3 Price quoted should be firm and final and no increase of what so ever due to increase in statutory levies or other taxes would be admissible to the firm.

8.4 Benefit of decrease in levies will be passed on to the purchaser.

8.5 Tenderers are required to indicate Basic Prices, GST and any other leviable taxes/ charges separately within the Performa for Price Bid given at Standard Format-III. Taxes/ duties/ charges reflected outside the Performa will not be accepted. Tenderer must attach copies of Govt. Notification in support of all applicable Taxes/ duties/charges quoted in the offer.

## 9 **EXEMPTION FROM TAXES:-**

9.1 Customs and / or any other exemption certificate will not be given unless applicable on production of Govt. notifications in this regard through a formal request from the tenderers.

## 10 **ADVANCE TENDER SAMPLE**

10.1 Quantity of 03 Nos. of each size (small, medium, large/extra-large) NBC Suit Permeable MK-V to be submitted to the DRDO, DRDE Gwalior within 45 days





from the date of contract along with pre-inspection report and three set of draft literature, for testing and approval.

- 10.2 One sample out of the above 3 samples would be sealed by the DRDO, DRDE Gwalior and returned back to the vendor for carrying out MIST Test at TNO Netherlands at the cost of vendor himself. The report of TNO Netherlands will be submitted to DRDO, DRDE Gwalior by the vendor within a total of 120 days given for the testing to DRDO, DRDE Gwalior. Vendor will also produce a certificate from TNO confirming that they have received sealed sample from the vendor.
- 10.3 **Testing of Samples by DRDO:** After submission of samples the trials and testing of the samples will be carried out by the trials team detailed by the O/o DGLS, DRDO within 120 days of the sample submission. The trial team during the trials will also finalize the dimension for each size given out in Table-1 of specification.
- 10.4 After the testing and trials by the trial team, a period of 60 days would be given to the vendor for rectification of defects and resubmission of Advance sample. However, the additional period taken by the vendor would be reduced from the overall DP granted to the firm after BPC.
- 10.5 **Bulk Supply:** To be completed within 150 days from the accordance of BPC by DG, NDRF after approval of samples by O/o DGLS, DRDO.
- 10.6 In case the contractor fails to submit the advance sample in the stipulated time and requests for extension of delivery period for submission of sample, the purchaser though not bound to do so may grant extension of delivery period. However, the No. of days for which extension is granted for submission of advance sample will be deducted from the total delivery period stipulated in contract while re-fixation of DP, subsequent to Bulk Production Clearance (BPC).
- 10.7 Please note that contract can be cancelled unilaterally by the Buyer in case items are not received within the contracted delivery period. Extension of contracted delivery period for submission of Advance Sample or Bulk Supply will be at the sole description of the Buyer, with applicability of LD Clause.
- 10.8 Tenderer should submit ToT certificate from DRDO along with Final Inspection Report of item for conforming to specifications procedure mentioned in the tender enquiry along with technical bid.
- 10.9 The ToT Certificate & Final Inspection Report submitted by the tenderer should be free from any ambiguity and should give clear verdict in respect of all the tests required as per relevant specification i.e. whether the sample is meeting the requirement of the governing specifications and the sample is acceptable / not acceptable with reference to its governing specification.
- 10.10 Advance Sample should have cards affixed on it duly signed and stamped by the firm indicating the following:-
  - a) Name and address of the firm
  - b) Tender No. with date of opening
  - c) Name of item, item No & size
- 10.11 Sample sent on "FREIGHT TO PAY" basis will not be accepted and the tenderer would submit sample on No cost and No commitment basis.
- 10.12 The Advance Sample may be utilized by the purchaser/testing agency for carrying out test on all the parameters of Specifications including destructive Test. In that case the cost of sample will be borne by the supplier.

**11 DISPATCH INSTRUCTIONS AND DOCUMENTATION:-** The Tenderer shall intimate to the purchaser, by telex or fax and speed post 07 working days in advance, the mode of transport and probable date of delivery of consignment.

**12 PACKING & MARKING:**





Packing and marking of NBC Permeable Suit Mk.V should be as Per Sl.No. 11 of specifications.

### **13 SUPPLY OF ORDERED STORES**

- 13.1 Bulk supplies in the case of successful Tenderers will be accorded by DG, NDRF after approval of Samples by O/o DGLS, DRDO. The firm shall commence bulk production of stores only on receipt of BPC.
- 13.2 Tenderers will be fully responsible for proper testing and making the equipment functional before acceptance of stores and the final settlement of account.
- 13.3 The Equipment/store should be Brand New/Model No, with Lot/ Batch No./ Year of manufacture, name of manufacturer, Country of Origin and other relevant detail should be given. The original literature supplied with the item/eqpt. should also be provided.
- 13.4 The stores supplied should be of best quality and free from all defects. Each consignment will be insured by the firm at their cost against transit risk till reach its destination as the insurer will not accept claims after specified period, the consignment shall be clear within 03 days and transit damage, loss if any shall be reported to the firm within 30 days of arrival of consignment at the destination.

### **14 RIGHT TO REJECTION**

- 14.1 The decision of the DG NDRF shall be final as to the quality of the store and shall be binding upon the Tenderers and in case of any of the articles supplied not being found as per specification shall be liable to be rejected or replaced and any expenses or losses caused to the suppliers should be borne by the supplier and ensured by the supplier that articles supplied should be best in quality and free from all defects.
- 14.2 The acceptance of articles will be made only when the articles are inspected and found up to the standard specifications and free from all defects.
- 14.3 The rejected stores must be removed by the Tenderers from the consignee's premises within 15 days from the date of the intimation about rejection at the risk and cost of the Tenderer.
- 14.4 The In-charge stores concerned will take reasonable view of such materials but in no case shall be responsible for any loss, shortage, damage that may occur to it while it is in the premises of the consignee.

### **15 PENALTY FOR DELAY IN SUPPLY AND LIQUIDATED DAMAGES:**

- 15.1 In case the firm does not complete the supply within the delivery period, action will be taken against the firm as per Para 15.7 of DGS&D Manual and Para 14.7(i) of Ministry of Commerce, Dept. of Supply of the General condition of the contract.
- 15.2 Penalty @ 0.5 % per week or part thereof of the contract value shall be levied for delay in supply subject to a maximum of 10% in the form of LD.

### **16 DELIVERY OF STORES**

- 16.1 Free delivery to consignee(s) basis.
- 16.2 Delivery period will include the inspection and replacement of rejected lot.
- 16.3 Firm should not deliver stores to consignee(s) beyond scheduled Delivery Period without obtaining prior sanction of purchaser.
- 16.4 In case, Firm deliver stores after scheduled Delivery Period, even if the stores are accepted by the consignee, it would be at the risk and cost of the seller as the supply may not be taken as contractually accepted.
- 16.5 The date of final acceptance in full and final quantity after survey/inspection/field trials at consignee locations shall be the date of delivery.
- 16.6 No grace period will be provided after the stipulated delivery period.
- 16.7 No lead time will be given.





- 17 **OPTION CLAUSE:-** The Purchaser reserves the right to place order on the successful Tenderer for additional quantity up to 25% of the quantity offered by them at the time of placement of order or during the currency of the contract as per Clause 31 of Form DGS&D-68 (Revised).
- 18 **FALL CLAUSE:** Fall Clause will be applicable as under:-
- 18.1 The price charged for the stores supplied under the contract by contractor shall in no event exceed the lowest price at which the contractor sells the store item or offer to sell store of identical description to any persons/ organization during the currency of this contract.
- 18.2 If the contractor, at any time, during the currency of contract reduces the sale price, sells or offer to sell such store to any person/ organization at a price lower than the price chargeable under the contract, it shall forthwith notify such reduction or sale or offer of sale to the Director General, NDRF and the price under the contract would be reduced accordingly.
- 19 **RISK PURCHASE CLAUSE:**
- 19.1 In the event of failure of the supplier to deliver or dispatch the stores or provide the required services within the stipulated date/ period of the contract, or in the event of breach of any of the terms and conditions of the contract, the purchaser will have the right to purchase the store elsewhere at the risk and cost of the defaulting supplier after giving a notice to the defaulting supplier. The cost as per Risk Purchase exercise may be recovered from the bills pending with the supplier even against any other supplies outside this contract or even from the pending bills with any other Government Department/Ministry.
- 19.2 In the event of a contract being cancelled for any breach committed and the purchaser effecting re-purchase of the store at the risk and the cost of the contractor, the purchaser is not bound to accept the lower offer of Benami or allied or sister concern of the contractor.
- 20 **PERFORMANCE SECURITY**
- 20.1 The Performance Security would be required within 14 days from the date of issue of AT / confirmed supply order and would be released after the obligations of the firm are successfully met.
- 20.2 In terms of Rule, 171 of GFR, 2017 and para 6.1.2 of Manual for Procurement of Goods, 2017 all the successful Tenderers irrespective of their registration status with Deptt. of MSME for (Micro & Small Enterprises) MSEs shall be required to furnish an amount equal to **3% of the contract value** as security deposit as guarantee against its own performance under the contract within 14 days of issue of contract. It should be valid up to 60 days beyond the expiry of Warrantee / Guarantee period.
- 20.3 In case Performance Security is not deposited by the successful bidder within the stipulated time from the placing of AT / Supply order, irrespective of any reason, EMD could be permanently forfeited and AT / Supply order would become liable for cancellation at the risk of the Firm.
- 21 **PAST PERFORMANCE STATEMENT**
- 21.1 Tenderer should submit their performance statement in the enclosed Performa attached at Schedule of Requirements –V of Tender Enquiry.
- 21.2 The decision on the assessment of the past performance of the Tenderer by DG NDRF will be final.
- 22 **LAW GOVERNING THE CONTRACT**
- 22.1 The contract shall be governed by the laws in force as of date in India and interpretation would be done accordingly.
- 22.2 Jurisdiction of Court: The courts of the New Delhi shall alone have jurisdiction to decide any dispute arising out of or in respect of the contract.
- 23 **ARBITRATION**
- 23.1 Arbitration proceedings shall be held at New Delhi, India and the language of the arbitration proceedings and that of all documents and communications between the parties shall be English.





- 23.2 In the case of dispute or difference arising between the purchaser and the supplier relating to any matter arising out of or connected with the contract, such dispute or difference shall be settled in accordance with the Indian Arbitration and Conciliation Act, 1996.
- 23.3 Sole arbitration will be by Secretary, Ministry of Home Affairs, Govt. of India or by some other person appointed by him. As provided in clause 24 of General Condition of Contract Form DGS&D -68 Ministry of Commerce Department of supply.

#### **24 PENALTY FOR USE OF UNDUE INFLUENCE**

- 24.1 The Seller should undertake that he has not given, offered or promised to give directly or indirectly any gift, consideration, reward, commission, fees brokerage of inducement to any person in service of the Purchaser or otherwise in procuring, the Contracts or Forbearing to do or for having done or forborne to do any act in relation to obtaining or execution of the Contract or any other Contract with the Government for showing or forbearing to show favour or disfavour to any person in relation to the Contract or any other Contract with the Government.
- 24.2 Any breach of the aforesaid undertaking by the seller or any one employed by him or acting on his behalf (whether with or without the knowledge of the seller) or the commission of any offers by the seller or any one employed by him or acting on his behalf, as defined in Chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act, 1947 or any other Act enacted for the prevention of corruption shall entitle the Purchaser to cancel the contract and all or any other contracts with the seller and recover from the seller the amount of any loss arising from such cancellation.
- 24.3 A decision of the Purchaser or his nominee to the effect that a breach of the undertaking had been committed shall be final and binding on the seller.
- 24.4 Giving or offering of any gift, bribe or inducement or any attempt at any such act on behalf of the seller towards any officer/employee of the Purchaser or to any other person in a position to influence any officer/employee of the Purchaser for showing any favour in relation to this or any other contract, shall render the Seller liable for penalty as the Purchaser may deem proper including but not limited to termination of the contract, imposition of penalty damages, forfeiture of the Bank Guarantee and refund of the amounts paid by the Purchaser.

#### **25 AGENT AND AGENCY COMMISSION**

- 25.1 The seller confirms and declares to the purchaser that the seller is the original manufacturer of the stores referred to in this contract and has not engaged any individual or firm, whether Indian or Foreign whatsoever, to intercede, facilitate or in any way to recommend to the Government of India or any of its functionaries, whether officially or unofficially, to award the contract to the seller, nor has any amount been paid, promised or intended to be paid to any such individual or firm irrespective of any such intercession, facilitation or recommendation.
- 25.2 The Seller agrees that if it is established at any time to the satisfaction of the purchaser that the present declaration is in any way incorrect or if at a later stage it is discovered by the purchaser that the seller has engaged any such individual / firm, and paid or intended to pay any amount gift, reward, fees, commission or consideration to such personal party, firm or institution, whether before or after the signing of this contract the seller will be liable to refund that amount to the purchaser.
- 25.3 The purchaser will also have a right to consider cancellation of the contract either wholly or in part, without any entitlement or compensation to the seller who shall in such eventuality be liable to refund all payment made by the Buyer in terms of the contract along with interest at the rate of 2% per annum above LIBOR rate. The purchaser will also have the right to recover any such amount from any contracts concluded earlier with the Government of India.
- 25.4 The seller will also be debarred from entering into any supply contract with the Government of India for a period as deemed fit by the purchaser.





## **26 ACCESS TO THE BOOKS OF ACCOUNT**

In case it is found to the satisfaction of the Purchaser that the Seller has engaged an Agent or paid commission or influenced any person to obtain the contract as described in clauses relating to Agents/Agency Commission and penalty for use of undue influence, the Seller, on a specific request of the Purchaser shall provide necessary information/inspection of the relevant financial documents/information.

## **27 PATENT AND OTHER INDUSTRIAL/INTELLECTUAL PROPERTY RIGHT**

27.1 The prices quoted in the present tender shall be deemed to include all amounts payable for the use of patents, copyright, registration charges, trademarks and payment for any other industrial property rights.

27.2 The Tenderer shall indemnify the Purchaser against all claims from a third party at any time on account of the infringement of any or all the rights mentioned in the previous paragraphs, whether such claims arise in respect of manufacture or the use. The tenderer shall be responsible for the completion of the supplies, irrespective of the fact of infringement of any or all the rights mentioned above.

**28 TRANSFER AND SUB-LETTING:-** The Tenderer has no right to give, bargain, sell, assign or sublet or otherwise dispose of the resultant contract or any part thereof, as well as to give or to let a third party take benefit or advantage of the resultant contract or any part thereof.

**29 FORCE MAJEURE CLAUSE:** If at any time, during the continuance of this contract, the performance in whole or in part by either party of any obligation under this contract shall be prevented or delayed or *becomes impossible or unlawful* by reason of any war, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lockouts or act of God (hereinafter referred to "events") provided, notice of the happening of any such event is given by either party to the other within 21 days from the date of occurrence thereof, neither party shall by reason of such event, be entitled to terminate this contract nor shall either party have any claim for damages against the other in respect of such non-performance or delay in performance, and deliveries under the contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist, and the decision of the Purchaser as to whether the deliveries have been so resumed or not, shall be final and conclusive, PROVIDED FURTHER that if the performance in whole or part or any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 60 days, either party may at its option terminate the contract provided also that if the contract is terminated under this clause, the purchaser shall be at liberty to take over from the contractor at a price to be fixed by the Purchaser, which shall be final, all unused, undamaged and acceptable materials, bought out components and stores in course of manufacture in the possession of the contractor at the time of such termination or such portion thereof as the purchaser may deem fit excepting such materials, bought out components and stores as the contractor may with the concurrence of the purchaser elect to retain.

## **30 TERMINATION OF CONTRACT**

30.1 Time shall be the essence of the contract

30.2 The Purchaser shall have the right to terminate this Contract without any notice in part or in full in any of the following cases:-

30.2.1 The delivery of the material is delayed for causes not attributable to Force Majeure after the scheduled date of delivery.

30.2.2 The Seller is declared bankrupt or becomes insolvent.

30.2.3 The delivery material is delayed due to causes of Force Majeure by more than 60 days.

30.2.4 In case Performance Security is not furnished within 14 days from the date of issuing of AT.

30.2.5 In case the seller fails to supply the store within scheduled delivery period in which case Performance Security Deposit shall also be forfeited.





### **31 CORRESPONDENCE PROCEDURE**

- 31.1 Any **Query /Clarification/ Representation** related to this Tender must be strictly be addressed to DIG (Proc.), Procurement Branch, **HQ DG NDRF, 6<sup>th</sup> Floor, NDCC-2 Building, Jai Singh Road, New Delhi-110001**, (Email: [dcproccell-ndrf@gov.in](mailto:dcproccell-ndrf@gov.in), Tele 011-23438091 only, till the issuance of A.T.
- 31.2 Tenderers are requested to write full name and designation of authorized signatory on all the correspondence to be made with the purchaser.
- 31.3 Firm should intimate any change in their Address/Telephone/Fax/e-mail immediately. The state of non-communication with firm at any stage will make the offer/contract liable for rejection and cancellation respectively.

### **32 QUERY AND CLARIFICATIONS**

- 32.1 In case of any contradiction noticed in this Tender Enquiry same be clarified within 07 days from the date of publication of tender on the website else decision/interpretation of NDRF in this regard would be final in all respect.
- 32.2 Queries/representations on Tender Enquiry received up to Pre-Bid meeting would only be entertained and considered. All queries and representations received after the date of Pre-Bid Meeting are liable to be ignored.
- 32.3 For any change in terms and condition of tender / tender specification, the Tenderers are requested to visit our websites [www.ndrf.gov.in](http://www.ndrf.gov.in) and **CPP Portal ([www.eprocure.gov.in](http://www.eprocure.gov.in))** regularly. **Any changes/modifications in tender enquiry will be intimated through these websites only.**
- 32.4 Tenderers are advised to visit above websites regularly to obtain updated information.

- 33 EFFECTIVE DATE OF CONTRACT:** The time allowed for carrying out the supply will start from the day of issue of written orders (Acceptance of Tender) for supply of store in accordance with the schedule indicated in the tender/AT documents.



**(Bharat Bhushan Vaid)**

DIG (Prov.), NDRF

For and on behalf of the President of India



### SPECIAL CONDITIONS OF CONTRACT (SCC)

**(If any instruction contained in this tender is contrary to instruction mentioned in special conditions of contract, the special instruction will prevail.)**

1.	Time and date of receipt of Tender	:	
2.	Time and date for opening of Tender	:	See at Page No. 01
3.	Tender Cost	:	Nil
4.	Store	:	NBC Permeable Suit Mk.V.
5.	Quantity	:	4074 Nos.
6.	Validity of offer	:	06 Months (180 days) from date of opening of Tender.
7.	<b><u>INSPECTION</u></b>	:	
	(a) Authority		DRDO, DRDE Gwalior – DGQA would also be associated during the testing & trial.
	(aa) Inspection Officer	:	Inspection Team : constituted by O/o DGLS, DRDO
	(ab) Registered Vendor		The Vendors shall be registered with DGQA and /or ToT holders with DRDO labs.
	(ac) Narrative Assessment/ Capacity Verification		Narrative Assessment of Vendors shall be carried out on Non-Registered Vendors by DGQA. Supply Order shall be placed on the firm capable of manufacturing the required product only on conclusion of successful Narrative Assessment.
	(ad) Advance Sample		<p>1.1 Quantity of 03 Nos. of each size (small, medium, large &amp; extra-large) NBC Suit Permeable MK-V to be submitted to the DRDO, DRDE Gwalior within 45 days from the date of contract along with pre-inspection report and three set of draft literature, for testing and approval.</p> <p>1.2 One sample out of the above 3 samples would be sealed by the DRDO, DRDE Gwalior and returned back to the vendor for carrying out MIST Test at TNO Netherlands at the cost of vendor himself. The report of TNO Netherlands will be submitted to DRDO, DRDE Gwalior by the vendor within a total of 120 days given for the testing to DRDO, DRDE Gwalior. Vendor will also produce a certificate from TNO confirming that they have received sealed sample from the vendor.</p> <p>1.3 <u>Testing of Samples by DRDO:</u> After submission of samples the trials and testing of the samples will be carried out by the trials team detailed by the O/o DGLS, DRDO within 120 days of the sample submission. The trial team during the trials will also finalize the dimension for each size given out in Table-1 of specification.</p> <p>1.4 After the testing and trials by the trial team, a period of 60 days would be given to the vendor for rectification of defects and resubmission of Advance sample. However, the additional period taken by the vendor would be reduced</p>





			<p>from the overall DP granted to the firm after BPC.</p> <p>1.5 Bulk Supply: To be completed within 5 months from the accordance of BPC by DG, NDRF after approval of samples by O/o DGLS, DRDO.</p> <p>1.6 In case the contractor fails to submit the advance sample in the stipulated time and requests for extension of delivery period for submission of sample, the purchaser though not bound to do so may grant extension of delivery period. However, the No. of days for which extension is granted for submission of advance sample will be deducted from the total delivery period stipulated in contract while re-fixation of DP, subsequent to Bulk Production Clearance (BPC).</p> <p>1.7 Please note that contract can be cancelled unilaterally by the Buyer in case items are not received within the contracted delivery period. Extension of contracted delivery period for submission of Advance Sample or Bulk Supply will be at the sole description of the Buyer, with applicability of LD Clause.</p>
	(ad) Testing Charges		Test shall be carried out in DRDO Labs/any other accredited / approved Labs on payment basis and testing charges will be borne by the firm. The Testing Charges at DRDO Labs for new Vendor/ Non TOT holder is three times than the test charges of TOT holder.
	(ae) QA Charges		QA Charges will be 2% of the cost of supply order plus Service Tax as per existing order on the subject. Lab Tests carried out in DRDO Labs/any other lab will be on payment basis and charges to be borne by the firm.
	(af) Bulk QA		Bulk store to be offered to concerned QA officer within valid delivery period.
	(ah) Technical Literature/Packing Guarantee/Warranty shall be as per relevant governing specification		
8.	EMD/Bid Validity	(i)	06 Months validity from the date of opening of Tender.
		(ii)	"Bid Security Declaration" certificate is required as per enclosed STANDARD FORMATS-I.
9.	Terms of Delivery	:	Free delivery to consignee basis.
10.	Delivery period	:	<p>05 Months from the date of issue of Bulk Production Clearance (BPC) by DG, NDRF after approval of samples by O/o DGLS, DRDO.</p> <p>[i] No lead time will be given.</p> <p>[ii] No grace period will be given after stipulated delivery period.</p>
11.	Payment Terms	:	Consignee's wise 100% payment will be processed for payment on receipt of stores in good condition and Demonstration of the stores





				will be provided by the firm at the time of survey/line committee of store at each consignee location.
12.	<b>Eligibility Criteria</b>	:	(i)	Only those firms who are having valid ToT from the DRDO lab, or past supplier of item and registered with DGQA for NBC items are eligible to participate in the tender.
13.	<b>Penalty</b>	:	i)	Penalty @ 0.5 % per week or part thereof of the contract value shall be levied for delay in supply subject to a maximum of 10% in the form of LD.
			ii)	In case the firm does not complete the supply within the delivery period, action will be taken against the firm as per rules.
14.	<b>Guarantee/Warranty</b>	:	(i)	Guarantee/Warranty shall be as per relevant governing specification.
			(ii)	Guarantee/ warranty period will start from the date of acceptance of stores in full and final quantity in satisfactory condition, after due inspection and/ or successful installation and commission as applicable.
				The firm will undertake to repair/replace the items during Warranty/guarantee period at each consignee(s) locations
15.	<b>Training</b>	:		Firm will provide operational / technical training at all consignees' locations for duration of 03 days free of cost.
16.	<b>Packing &amp; Marking</b>		(i)	As per Sl. No. 11 of specifications of NBC Permeable Suit Mk-V.
17.	<b><u>Pre-bid conference</u></b>	:	(i)	It will be held at HQ DG NDRF, 6 <sup>th</sup> Floor, NDCC-II Building, Jai Singh Road, N. Delhi-01 on the date and time as mentioned at Page No. I of TE.
			(ii)	In case of any objection/ suggestion in tender QRs/ Specifications bidder should come along with sample equipment to demonstrate the sample in Pre Bid conference or give proper presentation / literature in their support.
18.	Language of all bid documents, correspondences and technical literature etc. shall be English only. The bidders are required to submit their price bid/EMD/PSG in Indian Rupees Only.			
19.	The date of manufacturing of the tendered equipment/ store <b>should not be older than 06 Months of the tendering date.</b>			
20.	All tests and trials will be carried out to the entire satisfaction of the Owner/ Purchaser.			



  
**(Bharat Bhushan Vaid)**  
 Dy. Inspector General (Prov.)  
 For and on Behalf of President of India

## STANDARD FORMAT – I

### PROFORMA FOR EARNEST MONEY DEPOSIT DECLARATION

Whereas, I/We..... (Name & address of the bidder/supplier)  
..... have submitted bids for ..... (Name of stores) .....

I/We hereby submitted following declaration in lieu of submitting Earnest Money Deposit.

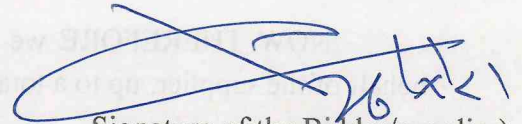
- (a) If, after the opening of tender, I/We withdraw or modify my/our bid during the period of validity of tender (including extended validity of tender) specified in the tender documents.

Or

- (b) If, after the award of work, I/we fail to sign the contract, or to submit performance guarantee before the deadline defined in the tender documents.

I/we shall be suspended for one year and shall not be eligible to bid for CPP Portal tenders from date of issue of suspension order.



  
Signature of the Bidder/supplier)  
(With stamp)

(Signature of the authorized officer of the bank)

Name & designation of the officer

Full name & address of the bank & address of the branch  
& Telephone No.





## STANDARD FORMAT - II

### BANK GUARANTEE FORMAT FOR PERFORMANCE SECURITY

To

The PAO, NDMA  
A-1, Safdarjung Enclave  
New Delhi

WHEREAS..... (Name & address of the supplier) (hereinafter called "the supplier") has undertaken, in pursuance of contract No.....dated..... to supply (description of goods & services) (herein after called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a schedule commercial recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract.

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of ..... (amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be a default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing, to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demand the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the.....day of .....20.....

(Signature of the authorized officer of the Bank)

.....  
Name & designation of the officer

.....  
Seal, name & address of the Bank & address of the Branch  
& Telephone No. ....



### STANDARD FORMAT – III

#### MODEL ECS MANDATE FORMAT

Customer's option to receive payments through e-Payment (ECS/EFT/DIRECT CREDIT/RTGS/NEFT/Other payment mechanism as approved by RBI)

**Credit Clearing Mechanism**

1. Customer's name
2. Particulars of Bank Account –
  - a) Bank Name
  - b) Branch Name
  - c) Address
  - d) Telephone numbers
  - e) IFS code
  - f) 9 Digit code number of Bank and Branch appearing on MICR cheque issued by bank.
  - g) Account Type (S.B Account/ Current Account or Cash)
  - h) ledger Folio number
  - j) Account number as appearing on Cheque Book

3. Please attach a blank cancelled cheque, or, photocopy of a cheque or front page of your saving bank passbook issued by your bank for verification of the above particulars.

4. Date of Effect

"I, hereby, declare that the particulars given above are correct and complete. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold the user institution responsible. I have read the option invitation letter and agree to discharge the responsibility expected of me as a participant under scheme."

Date -

(-----)  
Signature of Customer

Certified that the particulars furnished above are correct as per our records.

Bank's Stamp: (-----)

Date :

Signature of the Authorized official from the Bank.





**STANDARD FORMAT - IV  
PROFORMA FOR PRICE BID**

(TO BE FILLED BY THE BIDDERS & SEALED SEPARATELY)

NB :- (i) Tender Inviting Authority: DG NDRF

(ii) Name of work: Procurement of 4074 Nos. NBC Permeable Suit Mk-V

(iii) Contract No. : 1-17018/Proc./1520/DG-NDRF/2021-1309

(iv) **Tenderers are requested to read the instructions given at the bottom of Price Bid Performa carefully before filing the same.**

(v) Currency to be mentioned in columns 6 to 8.

Name of the bidder/ Bidding Firm/ Company:									
<b>PRICE SCHEDULE</b>									
(This BOQ template must not be modified/ replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only )									
NUMBER	TEXT#	TEXT#	NUMBER#	TEXT	NUMBER#	NUMBER	NUMBER#	NUMBER#	NUMBER#
Sl.No.	Item Description	Item Code/ Make	Quantity	Units	Basic Rate for one Unit in figures to be entered by the bidder in Rs. P.	GST, if any for one unit in Rs. P	Any other charges for one unit Rs. P	Total amount without taxes Rs. P	Total amount with taxes in Rs. P.
1	2	3	4	5	6	7	8	9	10
1.	NBC Permeable Suit Mk-V	Item 1	4074	Nos					
Total in Figures									
Quoted rate in Words									
INR Only									

Note:- Tenderers are requested to read the instructions given below the Price Bid Proforma carefully before filling the same:-

- The complete commercial quote should be in Indian Rupees (INR) only.
- Tenderers are required to indicate Basic Rate, GST and any other leviable taxes/ Charges separately in the relevant columns of the proforma. Any taxes/ duties / charges reflected outside the Proforma will not be accepted.
- Entry tax / Octroi /Toll tax and other Statutory Taxes will be applicable at actual, if admissible.
- Tenderer will attach justification of price quoted. This also includes the recently executed contracts of the store in question with Govt./ Semi Govt. organization etc.
- Firm will provide consumable & spares free of cost during demonstration and training.
- No column should be left blank. Wherever amount is not quoted, the column should be clearly marked as Nil. ("Nil")



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