

CHECKLIST:

PRE-APVL STAGE

S.No	Mandatory Details	Remarks
1.	Name of Proj (incl ver)	Northern Comd Combat Trauma Registry (NCCTR) VER 1.0
2.	Name of Sponsor	HQ Northern Comd (Med Br)
3.	Type of Sw(Bespoke/COTS/Customized)	Bespoke
4.	Brief justification/endorsement on reqmt for dev of Sw appl	Combat trauma is of significant concern for military forces and it's complexities extend beyond the immediate battlefield, influencing long-term health outcomes, rehabilitation efforts, and the overall well-being of the Armed Forces. To navigate these complexities effectively, a systematic and comprehensive approach is necessary to record data accurately and timely resulting in identification of patterns in combat trauma, checking effectiveness of medical interventions, and helping in research and policy decisions.
5.	Aim and Scope Purpose incl utility, beneficiaries and tgt users	NCCTR is being dev by Northern Comd Sig Regt (NCSR) for recording combat trauma related database for Northern Comd Theatre which will offer a structured platform to document, analyze, and disseminate critical data pertaining to combat-related injuries sustained in the line of duty to both med and adm ech at the same time.
6.	To be hosted on internet/ADN with brief justifications	ADN
7.	Being devp in house or through IT funds	In-house
8.	Usability of proposed appls by other Arms/services/org/est	PAN Indian Army
9.	HW and IT infrastructure reqd	Sw can be hosted on ADN PC, hence no addl Hw/ IT infra is reqd for the same. The sw is devp using open source appln such as MySQL and PHP.
10.	Brief details of the content of the proposed SW appl	MySQL based database containing detls of patient evac from place of incident to tertiary care centre
11.	Endorsement by Head of Branch/Svc/Fmn	Yes
12.	Details of user base	Medical Echelons of AMC

Additional details (Optional in Pre Apvl Stg: Mandatory in Post Apvl Stg)		
13.	Envisaged cost of entire proj license fees and maint	Will be hosted on existing server License fees and maint - No Cost
14.	Projected Date of completion incl maj timelines	2 Months
15.	Brief details of Sw platform and teach stack proposed for devp of appl incl op sys dependence (if any)	PHP, JAVA Script, CSS, HTML, APACHE Server
16.	Brief details of proposed network and bandwidth reqmt	ADN (As per ADN Network)
17.	Brief details of OS and Sys sw requirements	Windows Server 2022 std
18.	Brief details of proposed data security measures incl backup of data	24 TB NAS
19.	Brief details of Database engine to be used in the appl	MY SQL (Ver 8.0.36), PHP (Ver-8.3.2), Php MyAdmin (Ver- 5.2.1)
20.	Details of proposed architecture-Centralized/Federated/Hybrid	Nil
21.	Details of proposed architecture and COTS SW proposed to be utilized	Nil
22.	Brief details of proposed utilization and Public Key Infra (PKI) and Iden and Access Mgt(IAM)	Nil
23.	Technological dependencies	Nil
24.	Database reqmts	MYSQL (Ver-8.0.36)
25.	Enhancement/Upgradation (incl patch mgt/SW updt procedure and mechanism	As per Requirement Upgradation will Possible Manually
26.	Details of licensing if any	Nil

NOTING SHEET

MEDICAL BRANCH

File No: 32221/10//Med-5(B)

Sheet No : One

1.

Encls

**DEVELOPMENT OF NORTHERN COMD COMBAT TRAUMA REGISTRY
(NCCTR) SOFTWARE**

1. A systematic and comprehensive approach is needed to **record all details of combat trauma injuries sustained by tps deployed in the line of duty across Northern Borders** enabling timely identification of patterns in combat trauma, checking effectiveness of medical interventions and moderating policy decisions for force preservation.

2. The **Northern Comd Combat Trauma Registry (NCCTR)** software has been envisioned for recording combat trauma related database for Northern Comd Theatre which will offer a structured platform to document, analyze, and disseminate critical data pertaining to combat trauma.

3. Data will be compiled on **NCCTR Software**, been dev by Northern Comd Sig Regt. This will be made **avl on the Northern Comd Webpage (on ADN)** within the 'Med Br' tab and will be avl to all ADN users with username and password access. **It will be developed using 'php' as the front-end interface and 'MY SQL' as the back-end database.**

4. It is submitted that, since the software is being dev by the indigenous efforts of NCSR, hence **no financial implications are anticipated.**

5. The **GOC-in-C Northern Comd** has endorsed '**In Principle Approval**' for the NCCTR and emphasized the need for integration of the data so collated by the above software with existent HR software of IA to achieve cross-linking of data, pertaining to each combat cas in an automated fashion.

Flag '1A'

6. **Lt Gen Arindam Chatterjee, AVSM, VSM DGMS (Army) & Col Comdt** during the vis to HQ Northern Comd on 22 May 2024 had emphasised that the NCCTR Software shall be envisaged for **PAN India Application across all Comd theatres of IA** in the post apvl stage for collation of all combat trauma incidents, after testing trials at Northern Comd theatre in the first phase.

7. Since the appl is reqd to hosted on ADN, it **needs to be whitelisted post AoN/ IPA by DG IS**, followed by vetting from ACG (Cyber Security), AHCC (layout and architecture) and DG MI (content) for PAN India Application. As per SOP on whitelisting of application software in IA, requisite docus are encl:-

- (a) Checklist
- (b) Statement of Case
- (c) Recommendations of MG Med HQ NC

Flag '1B'

Flag '1C'

Flag '1D'

8. **Case file submitted for accord of AoN/ IPA by DG IS please.**

(Tripti Agrawal)

Col

Col Health & Sr Adv (PSM)

28 May 2024

NOTING SHEET

MEDICAL BRANCH

File No : 32221/10//Med-5(B)

Sheet No : Two

2.

Encls

MGMHQ NC

1. Pl refer note ante.
2. Case file of NECTR is submitted for record of AON/WA by DG IS please.


29 May 24

MG Med Sect
27/3/24

NOTING SHEET

MEDICAL BRANCH

File No : 3221/10/Med-5B

Sheet No : Eight
Rema

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for grant of IPA by GOCm.c.
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30mar 24

GOCm.c.

IPA accorded.


30/3

MG Med Sect

File No. 972/23


Date 05/04/24 OUT. 05/04

HQ NORTHERN COMD (MED)

CONVENING ORDER FOR MARKET SURVEY AND TECH SPECIFICATION FOR THE
"DEVELOPMENT OF APPLICATION FOR NORTHERN COMD COMBAT THEATRE REGISTRY"
FOR FY 2024-25

1. A BOO composed as under will assemble on the date and time to be fixed by the Presiding Offr to carry out market survey and tech specification for the **"DEVELOPMENT OF APPLICATION FOR NORTHERN COMD COMBAT THEATRE REGISTRY"** for the FY 2024-25.
2. The composition of BOO will be as under: -
 - (a) Presiding Officer - Col Tripti Agrawal
 - (b) Members
 - (i) - Lt Col Surjeet Singh
 - (ii) - Maj Hargovind Singh
3. The bd will be duly submitted by 28 May 2024.
4. For info and further necessary action pl.




(Shivinder Singh)
Maj Gen
MG Medical
HQ Northern Command

Proceeding of a : Board of Officers
Assembled at : HQ Northern Comd Medical Branch
On the day of : 25 May 2024 and subsequent days
By the order of : This HQ Convening Order No 32116/M-3A/19 dt 20 May 2024
For the purpose of : To examine the tech specifications and carrying out Market survey for the project "**Development of Application for Northern Comd Combat Theatre Registry**" for FY 2024-25
Presiding Officer : MR 08484 A Col Tripti Agrawal
Col Health, HQ NC (Med)
Members 1. : MR 08721Y Lt Col Surjeet Singh
DADMS, HQ NC (Med)
2. : SS 46188 Y Maj Hargovind Singh
NCSR

Conduct of Bd:-

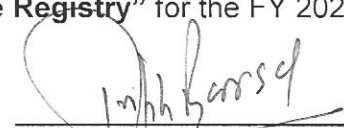
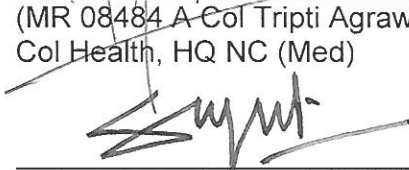
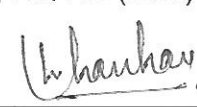
1. The board having assembled pursuant to order to carry out Market Survey for the proj "**Development of Application for Northern Comd Combat Theatre Registry**" for FY 2024-25.

Findings of the Bd:-

2. No amt expdr is involved in the proj as this is a software based appl that has been devp in house using open source software.

'R' of the Bd:-

3. Based on the analysis of the bd proceedings, the bd recommends that the proj "**Development of Application for Northern Comd Combat Theatre Registry**" for the FY 2024-25 can be executed with no cost expdr involved.

Presiding Officer : 
(MR 08484 A Col Tripti Agrawal)
Col Health, HQ NC (Med)
Members 1. : 
(MR-08721 Y Lt Col Surjeet Singh)
DADMS, HQ NC (Med)
2. : 
(SS 46188 Y Maj Hargovind Singh)
NCSR

COUNTERSIGNED

Station : c/o 56 APO


Dated 28 May 2024


(Shivinder Singh)
Maj Gen
MG Medical
HQ Northern Command

RECOMMENDATIONS OF MG MED HQ NORTHERN COMD
FOR DEVELOPMENT OF APPLICATION FOR
NORTHERN COMD COMBAT THEATRE REGISTRY (NCCTR) FY 2024-25

1. The proj, "Development of Application for Northern Comd Combat Theatre Registry" for recording combat trauma related database for Northern Comd Theatre which will offer a structured platform to document, analyze, and disseminate critical data pertaining to combat-related injuries sustained in the line of duty to both med and adm ech at the same time.
2. The approximate cost of the Proj of "Development of Application for Northern Comd Combat Theatre Registry is **Nil as this is an in-house software based appl.**
3. It is recommended that the appl may please be **sanctioned for dply on ADN post vetting of the same by AHCC & ACG.**




(Shivinder Singh)
Maj Gen
MG Medical
HQ Northern Command

**STATEMENT OF CASE FOR DEVELOPMENT OF APPLICATION FOR NORTHERN COMD
COMBAT TRAUMA REGISTRY FOR FY 2024-25**

1.	Unit/ Directorate/ Office initiating the Soc		HQ NC (Med br)
2.	Name of the item(s)/services being procured Category (Ex-ordnance, Medical, IT, Engineering, MT, Electrical, Electronic, Clothing, Aviation, General, FOL, Machinery, Spares, Communications, Navigational, Provisions, Weapons, Armament, Ammunition, Repairs, services and other categories (to be specified) (Nomenclature of items with details like part numbers, etc to be shown in Annexure I to the Statement of Case)		Development of application for Northern Comd Combat Trauma Registry (NCCTR) BoM attached at Appx 'A' .
3.	Justification for Procurement		
	(a)	Authority, if any, under which the proposal is being initiated – Govt Rules/ Orders, Service specific instructions, Subsidiary instructions, etc. to be quoted.	Nil
	(b)	If it is a scaled item	Non-Scaled
	(c)	If it is a non-scaled item, the following information to be provided: -	
	(i)	Which item was serving the purpose till the date?	Manually/ Excel based.
	(ii)	How the present proposal will serve the purpose?	NCCTR is being dev by Northern Comd Sig Regt (NCSR) for recording combat trauma related database for Northern Comd Theatre which will offer a structured platform to document, analyze, and disseminate critical data pertaining to combat-related injuries sustained in the line of duty to both med and adm ech at the same time.
	(iii)	Whether scaling action has been initiated? If yes, reference number to be given. If not, reasons for not doing so to be given	NA
	(d)	Broad purpose of items being procured	Combat trauma is of significant concern for military forces and it's complexities extend beyond the immediate battlefield, influencing long-term health outcomes, rehabilitation efforts, and the overall well-being of the Armed Forces. To navigate these complexities effectively, a systematic and comprehensive approach is necessary to record data accurately and timely resulting in identification of patterns in combat trauma, checking effectiveness of medical interventions, and helping in research and policy decisions.

e) Detailed Justification from user		
(i) Category of proposal: -		
	(aa)	Fresh purchase No
	(ab)	Up gradation No
	(ac)	Replacement No
	(ad)	Maintenance No
	(ae)	Repair No
	(af)	Any other (to be specified) This is an in-house devp software based appl.
If it is a fresh purchase, the following information to be provided: -		
(ii)	(aa)	How was the purpose being served till date? NA
	(ab)	Why it can't be served with up-gradation of the existing items? NA
(iii) If it is a case of up-gradation, the following information to be provided:		
	(aa)	Details of original purchase viz., year, cost, quantity, residual life left, residual life after up gradation, etc NA
	(ab)	Confirmation that issues of standardization and compatibility have been taken care of NA
(iv) If it is a case of replacement, the following information to be provided: -		
	(aa)	What will be done with the items being replaced NA
	(ab)	Details of proposal for disposal of existing items (BER certificate, etc. to be enclosed)? NA
	(ac)	Possibility of buy-back or otherwise, along with reasons NA
4. Quantity: -		
	(a)	Basis for working out the quantity against each item- (formula, methodology, etc) NA (Since the appl is being devp in house using open source software)
	(b)	Details like authorized holdings, existing holdings, Dues-in, Dues-out, etc. NA
	(c)	Calculation in sheets/ PR documents to be enclosed with the SOC NA (Since the appl is being devp in house using open source software)
	(d)	Proposed distribution of items being bought with justification NA (Since the appl is being devp in house using open source software. The appl will be hosted on ADN for selected users)
5.	Estimated cost of proposal- various elements of cost, such as the basic cost, taxes, transportation cost, training cost, AMC, etc., should be shown separately and the grand total should also be indicated) Basis of working out the estimated cost of proposal to be indicated as follows: -	
	(a)	Last purchase Price – Year, Escalation factor, source, quantity to be mentioned NA
	(b)	Budgetary quotes – Source, period, etc to be mentioned along with copy of budgetary quotes NA
	(c)	Market Intelligence – Source, period, etc to be mentioned along with relevant enclosures NA

	(d)	Rates obtained from other Organizations - Source, period, quantity, etc to be mentioned along with relevant enclosures	-
	(e)	Professional Officers' Evaluation – Detailed reasoning and inputs used to be enclosed	-
	(f)	Any other method adopted (to be specified and explained, along with the reasons)	-
6.	Details of the last purchase: -		
	(a)	The Quantity and dates on which similar items were procured in last one year	No
	(b)	If it is recurring item, the total period for which the items are being procured	No
	(c)	The mode of tendering in respect of last purchase	No
	(d)	The source of last purchase	No
	(e)	Any other relevant information	No
7.	Availability of funds: -		
	(a)	It is included in the PPP (if applicable)?	NA
	(b)	If yes, relevant serial number of PPP to be quoted	NA
	(c)	Major Head, Minor Head, Sub Head and Detailed Head under which expenditure in respect of the instant proposal is to be booked	NA
	(d)	Code Head, as mentioned in Classification Hand Book	NA
	(e)	Fund availability certificates	NA
	(f)	Name of the paying agency	NA
8.	Competent Financial Authority: -		
	(a)	(a) Sch- of AFPDS-2021	NA
	(b)	(b) Name of CFA	NA
9	Mode of Tendering: -		
	(a)	Open tendering – Mention the websites and newspapers in which the advertisement is proposed to be published. (Draft advertisement to be enclosed)	NA
	(b)	Limited Tendering – Mention the reasons for LTE. (The list of vendors for LTE and reasons for including them to be enclosed)	NA
	(c)	PAC tendering – Enclose draft Pac certificate along with detailed justification for PAC tendering	NA
	(d)	Single tendering – Mention the grounds of urgency / operation reasons/ technical requirements, etc., on which STE is being proposed.	NA
	(e)	GEM	NA
10.	<u>Draft RFP: -</u>		NA

BILL OF MATERIAL

S No	Eqpt/Nomenclature	A/U	Qty	Remarks
1.	Northern Comd Combat Trauma Registry Software	Nos	01	In-house devp Software Database – MySQL Front end - PHP

BASIS FOR WORKING OUT THE QUANTITY AGAINST EACH ITEM FOR THE PROJ
"DEVELOPMENT OF APPLICATION FOR NORTHERN COMD COMBAT THEATRE REGISTRY"
FOR FY 2024-25

S No	Items Description	A/U	Qty	Justification
1.	Northern Comd Combat Trauma Registry Software	Nos	01	NCCTR is being dev by Northern Comd Sig Regt for recording combat trauma related database for Northern Comd Theatre which will offer a structured platform to document, analyze, and disseminate critical data pertaining to combat-related injuries sustained in the line of duty to both med and adm ech at the same time.

CERTIFICATE BY PROJECT OFFICER COL HEALTH HQ NORTHERN COMD FOR
"DEVELOPMENT OF APPLICATION FOR NORTHERN COMD COMBAT THEATRE REGISTRY"
FOR FY 2024-25

It is certified that S of C has been made as per DPM 2009

Station : c/o 56 APO

Dated : 25 May 2024



(Tripti Agrawal)

Col

Col Health & Sr Adv (PSM)

For MG (Med)