



**iHub Anubhuti-  
IIITD Foundation**

**TENDER FOR PURCHASE OF EEG BRAINWEAR SYSTEM WITH PRO LICENSES OF  
3 YEARS FOR MCC**

**FOR LAB WORK OF THE IHUB ANUBHUTI-IIITD FOUNDATION AT OKHLA  
PHASE-III,  
NEW DELHI-110020**

7 H Q G H L L + X E K X O V L &

**INVITATION FOR BIDS**

L+8%\$18%+87,,7' )281'\$7,21 KHUHDIWHU U \$ QKUEKXG LWRLD VDL \$ KI  
1RWR SURILW &RPSDQ\ XQGHU D 1DWLRQDQ 3 KOLVLFIDRQ 6RQW 30PWR UG LV  
WKH \*RYHUQPHQW RI ,QGLDRH VFDIE QEMKDHG GE7HFFIS Q R W P J HQW 7 DW  
RI ,QIRUPDWLRQ 7HFKQRORJ\ ,WHOKLD 7,7FKQRORJ\ ,QQRYDWLRQ -  
3&RJQLWLYH &RPSXWLQJ ZLWGR DL DRF 8 H Q D V D M K ( F D U F H D W L R Q  
,QIRUPDWLRQ 6\ VWHPV

L+X\$EQ XEKXWL L Q E Y L G W H X Q G H D U V W H R P U E W G H S X U F K D V H R I D Q ( ( \* % U D  
352 OLFHQ V H I D D M SHU WKH VSHFLILFDWLRQ PHQWLRQH G XQGHU  
2NKOD 3, H D I Z H ' H O K L

7KH ODVW GDWH IRU V X E P L V D W R Q 3 R I E K 6 V H L Q G H U ' R F X P H Q W W H R G  
LQ WZR VHS D U D W H H Q Y H O R S H V 7 H F K Q L F D O D Q G I L Q D Q F L D O

7KH 7HQGHU 'RFXPHQW VKRXOG 6 E U D Q G G W H U V V H G W R W K H I R O O R Z L  
L+X \$ Q X E , K X W R X Q G D ' Y O L R R Q Z L Q 2 O G \$ F D G H P L F V  
, Q G U D S U D V W K D , Q V W L W X W H R I , Q I R U P , D W L R Q 7 H F K Q R O R J \ ' H O K I  
% H K L Q G \* R Y L Q G 3 X U L 0 H W U R 6 W D W L R Q 1 H Z ' H O K L

7KH 7HFKQLFDO ELGV VKDOO EH X R S V H Q H G B W W K H 3 0 0 P H G D \ L H

**SCOPE OF WORK**

**Supply and installation of EEG Brainwear System with PRO licenses of 3 years (Quantity: 01) as per the description below:**

**EEG support**

**Up to 32 channels:** FRQILJXUDEOH  
**2 references:** &06 '5/ FRQILJXUDEOHOR E D D V R Q R U R Q H D U V F R P S D W L  
LQFOXGHG  
**Available data:** UDZ (( \* D Q G I U H T X H Q F \ E D Q G G D W D 5 H T X L U H V 3 5 2 / L F H

**EEG signals**

**Sampling method:** 6HTXHQLWLD O V D P S O H Q J V L Q J O H \$ ' &  
**rate:** LQWHUQDO GRZQVDPSOHG WR 636  
**Resolution:** ELWV ZLWK 9/6% ELW \$ ' & ELWV LQVWUXPHQWDO QRLVH  
PD[LXPX VOHZ UDWH X9 SHU V D P S O H  
**Bandwidth:** ± +] GLJLWDO QRWFK ILOWHUV DW +] D Q G +]  
**Dynamic range (input referred):** 9 SS  
**Coupling mode:** \$ & F R X S O H G

**EEG sensors**

**Electrode count:** UHFRUGLQJ HOHFWURGHV  
**Sensor material:** 6DOLQH VRDNHG IHOW SDGV  
**Size:** SURILOH K P E J K M Q W U D O R S H R P Q J G L D P H W H U

Wire length: FP

Cap

Available sizes: FP FP FP /HDUQ PRUH DERXW FKRRVLQJ D FDS

Openings: LQ WKH VW ~~SDQD~~WGRQV

Pockets for control box: \$W DSSUR[LPDWHO\ ,] IRU DZDNH VWXGLHV DQG &

Motion sensors\*

IMU part: , & 0

Quaternions: normalised '

Accelerometer: D[LV J

Magnetometer: D[LV JDXVV

Connectivity

USB receiver (included): \*+] EDQG

86%

Micro USB cable (included): IRU FKDUJLQJ

Power

Battery: ,QWHUQDO /LWKLXP 3RO\PHU EDWWHU\ P\$K

Battery life: XS WR KRXUV

Dimensions: î î PP

Cap Size: &RQILJXUHG FDSFRQFLPXURQ FDSFRQFLPXURQ FDS  
3UHFRQILJXUHG FDS FP 6WDQGDUG FDS FP FP FP

Warranty: \$W OHDVW \HDUV

TERMS AND CONDITIONS

7KH ILQDQFLDO ELG VKRXOG EH YDOLG IRU D SHULRG RI QRW OH  
GD\ V IUR\ DW 30  
,W LV PDQGDWRU\ IRU WKHQE ~~EGGH~~DUQGRILQDQFLDO ~~W~~EHG\WHLQ V  
WR FRPSO\ ZLWK WKLV UHTXLUHPHQW VSHFLILFDOO\ LI W  
HQYHORSH DV WKH WHFKQLFDO ELG ZLOO UHVXOW LQ WKH  
\$Q DPRXQW RI 5XSW ILIW\ WKRXVDQG RQO\ WRZDUGV HDU  
GHSRVLWHG LQ WKH IRUP RI ~~D~~LG ~~HE~~SDQX ~~ERUD~~W\ ~~Q~~GD ~~DF~~RRQ\ WR  
SD\DEOH DW 1HZ 'HOKL 1R LQWHUHVW ZLOO EH SDLG IRU W  
'RFXPHQWV ZLWKRXW HDUQHVV PRQH\ ZLOO EH VXPPDULO  
060(V 16, & UHJLVWHUHG VXSSOLHUV &HUWLILFDWH WR EH V  
LQ WKH WHFKQLFDO ELG HQYHORSH

7KH ELGGHU LV UHWT XLKUH G RVPIS OLVDEQPFH VKHHW LQ WKH WHFH  
\$QQH[XUH

7KH SURGXFW LV WR EH VXSSZLHGH ZPWWK R GDSWHU IRR GL RVXH RI V  
32 E\ WK\$QXEXWL

7KH ELGGHU PXVW SURZD GUDDQ WR RRS UHKKUH QV LM E UUV IRU HDFK  
RI GHOLYHU\ RU LQVWDOODWLRQ ZKLFKH YHU LV ODWHU

7KH ELG PXVW FRQWDLQ WKH 0\$) 0DQXIDFWXUHU \$XWKRUL  
WKH DEVHQFH RI WKH 0\$) LV WKH HEMLEFZLHOQ DQG XOPP DXUWKHU  
HQWHUWDLQHG

6HDOHG ELGV FDQKEHUVHVSQCEALS ERDWW\ IRU GHOLYHU\ RI WKH EL  
%LGV ZLOO EH RSHQHG LQ WKH SWHHVHQW VRLYWKH ZELG GKB  
VSHFLILHG GDWH DQG WLPH 2QO\ RQH UHSUHVHQWDWLYH V

8SRQ SODFLQJ WKH 3XUFKDVH 2UGHU 32 W D H S V X F R H P D Q F  
%DQN \*XDUDQWHH 3%\* HTXLYDOHQW WR RI WKH 32 YDOX  
ZKLFK WKH (0' DPRXQW ZLOO EH IRUIHLWHG DQG WKH ELGG  
VKDOO EH YDOLG IRU D SWKUL B G V R H R I P S X Q V F K D V H R P U G H U 1 R  
3%\*

3%\* ZLOO EH UHDOLVHG 7E\ R X Q E S W X E R Q X W Q F D V H R I W H U P L Q  
XQVDWLVIDFWRU\ SHSIRUIR D Q D Q D Q B I R W K E R R Q R Q W U D F W

3D\PHQW ZLOO D E H H U H O X H F V H G I X O V X S S O \ D Q G L Q V W D O O D W L R  
RU DQ\ UHSUHVHQW D Q D W E I X H W R I W K H L + X E  
, Q W K H H Y H Q W R I D G L V S X W H S Q X K E K X W L 6 U K D O O Q B H H W K H + X E  
GHFLVLRQ VKDOO EH ILQDO DQG ELQGLQJ RQ ERWK SDUWLH  
L+X\$EQXEXWL GRHV QRW ELQG LWVHOI WR DFFHSW WKH OR  
DFFHSW RU UHMHFV DQ\ RU DOO WKH RIIHUV HLWKHU LQ IX

**PROFORMA FOR FINANCIAL BID**

<b>S. No.</b>	<b>Item Name</b>	<b>Quantity</b>	<b>Base Cost (Rs.)</b>	<b>Taxes (Rs.)</b>	<b>Total Cost (All Inclusive) (Rs.)</b>
	<b>EEG Brainwear System with PRO licenses of 3 years</b>				
<b>Total</b>					

7RWDO &RVW \$OO LQFOXVLYH RI TXDQWLW\ PHQWLRQHG D  
:H DFFHSW WKDW WKH UDWL TXRWHG DERYH VKDOO UHPD  
PHQWLRQHG EHORZ 7KH SURGXFW VKDOO ZHFNWXS\$SOLW&HZC  
SODFLQJ WKH 3XUFKDVH 2UGHU RQ XV

6LJQDWXUH KH & LVGHU RI W

## Annexure I

S.No	EEG Brainwear System with PRO licenses of 3 years	Compliance (Yes/No)	Cross Reference
	(( * VXSSRUW		
	<b>Up to 32 channels:</b> FRQILJXUDEOH		
	<b>2 references:</b> &06 '5/ FRQILJXUDEOERLFDWQRQ FRPSDWLEOH HDU FOLSV IRU VHQVRU\		
	<b>Available data:</b> UZ (( * DQG IUHTXHQF\ EDQG /LFHQVH IRU XVH		
	(( * VLJQDOV		
	<b>Sampling method:</b> 6HTXHQLDO VDPSOLQJ VL		
	<b>Sampling rate:</b> LQWHUQDO GRZQVDP SOHG		
	<b>Resolution:</b> ELWV ZLWK 9/6%ELW \$' & ELW LQVWUXPHQWDO QRLVH IORRU GLVFDU X9 SHU VDPSOH		
	<b>Bandwidth:</b> ± +] GLJLWDO QRWFK ILOWH		
	<b>Dynamic range (input referred):</b> 9 SS		
	<b>Coupling mode:</b> \$ & FRXSOHG		
	(( * VHQVRUV		
	<b>Electrode count:</b> UHFRUGLQJ HOHFWURGHV		
	<b>Sensor material:</b> 6DOLQH VRDNHG IHOW SDG		
	<b>Size:</b> SURILOH KPEJKWQWUDO RSHRQJ G		
	<b>Wire length:</b> FP		
	& DS		
	<b>Available sizes:</b> FP FP FP /HDUQ PRU VL]H		
	<b>Openings:</b> LQKH VWDQSBVGLRQV		
	<b>Pockets for control box:</b> \$W DSSUR[LPDWHO\ ,] IR IRU VOHHS VWXGLHV		
	ORWLRQ VHQVRUV		
	<b>IMU part:</b> , & 0		
	<b>Quaternions:</b> QRUPDOL]HG '		
	<b>Accelerometer:</b> D[LV J		
	<b>Magnetometer:</b> D[LV JDXVV		

	& RQQHFWLYLW\		
	<b>USB receiver (included):</b> * +] EDQG		
	86%		
	<b>Micro USB cable (included):</b> IRU FKDUJLQJ		
	3RZHU		
	<b>Battery:</b> ,QWHUQDO /LWKLXP 3RO\PHU EDW		
	<b>Battery life:</b> XS WR KRXUV		
	<b><u>Dimensions:</u></b> î î PP		
	<b><u>Cap Size:</u></b> & RQILJXUHG FDSRQIEPXUHQFD 1RQFRQIEDXUHGFFRQUHJXUHG FDS FP FP FP FP		
	<b><u>Warranty:</u></b> \$W OHDVW \HDUV		