



ODISHA POWER GENERATION CORPORATION LTD.  
IB THERMAL POWER STATION

PURCHASE DEPARTMENT UNIT 3&4  
AT/PO: BANHARPALI

DIST.JHARSUGUDA-768234 (ODISHA), INDIA

Tel. No. 06645 222288

NIT No. **ITPS/Unit 3 & 4/18-19/042**

Date: **09/07/2018**

Separate Sealed bids in the prescribed format are invited from bona fide and financially sound reputed Agencies/ Registered Firms/Companies for execution of the following works at **2X660 MW IB Thermal Power Station, Banaharpali**.

S/ N	NAME OF THE WORK	TENDER COST (RS.)	EMD (RS.)	Sale of Tender document	Date of receipt & submission /Opening of technical Bid
1.	SUPPLY ,INSTALLATION ,TESTING & CONFIGURATION OF CISCO SPARK KIT (CS-KIT-K9) CODEC WITH ALL ACCESSORIES ALONG WITH APPLE I PAD (PRO MPHK2HN/A TABLET (10.5 INCH,256 GB ,WI-FI +4G LTE) FOR VC UNIT (TWO PARTS ) ( REFER PAGE NO 5 ONWARDS FOR DETAIL TECH SPEC & BOQ )  3 YEARS ONSITE WARRANTY WITH ONSITE 3 YEARS SUPPORT HAS TO BE CONSIDERED	5,600/- (INCLUSIVE GST)	19,000/-	09/07/2018 TO 31/07/2018 (HARD & SOFT COPY ONLY)	UP TO 3:00 PM ON 31/07/2018 3:30 PM ONWARDS ON 31/07/2018

**Further please note to submit your offer considering GST provision and its related input tax credit benefits to be passed on to OPGC**

- Bidder should have fully fledged manufacturing / authorized for particular tender/ Dealer set up for supplying the tendered item.
- Vendors are requested to kindly furnish your PAN, GST No.
- Bank Mandate form to be submitted to make your payment through RTGS/NET.
- Rate will be valid for the 1 year from date of award of contract. Repeat order can be placed as per requirement of the OPGC.
- Delivery: **Within 4 weeks** from the date of P.O. placement of individual purchase order.
- The agency shall provide warranty/guarantee of 3 years with 3 years onsite support.
- Vendors are requested to send their **sealed offer** subscribing the tender number, date and due date on the envelope. Mail offer may not consider at the time of price opening.
- Vendors are requested to submit their seal offers at our office by sending through FIRST FLIGHT COURIER TO JHARSUGUDA BRANCH, PIN- 768 201 / SPEED POST/REGISTER POST.
- OPGC reserves the right to accept / reject any or all tenders, split up the scope among eligible bidders or cancel the tender altogether without assigning any reason thereof.

Price offered should be of for destination (our site) including freight charge, IB thermal power station, p & f, insurance except GST which is to be extra are to be indicated in terms of percentage of basic price or will be loaded maximum while comparing. Offer may not consider without EMD. Please **enclose product catalogue & company price list, offer will remain valid for a period of 180 days from the date of tender opening. TDS @20% should be deducted from your bill in case of non-submission of PAN details.**

Thanking you

**Yours faithfully  
AGM-(SCM)**

#### GENERAL INSTRUCTIONS

- 1.0 EACH QUOTATION SHOULD BE SENT IN PROPERLY SEALED ENVELOPE ADDRESSED TO THE (PROCUREMENT & CONTRCATS DEPT.)- UNIT 3&4, MOUSUMI MOHANTY, IB THERMAL POWER STATION, BANHARPALI, DIST. JHARSUGUDA, PIN: 768234. THE ENVELOPE SHOULD BEAR THE TENDERER'S DISTINCT RUBBER STAMP. TENDER NO. \_\_\_\_\_ DUE ON DT. \_\_\_\_\_ SHOULD INVARIABLY BE GIVEN ON THE COVER.
- 2.0 IN CASE OF ITEMS OF SPECIFIC MAKE, ONLY MANUFACTURERS AND THEIR ACCREDITED AGENTS/STOCKIEST/AUTHORIZED DEALERS ARE ENTITLED TO QUOTE. FOR THIS THEY SHOULD SUBMIT AN ATTESTED COPY OF THE PRINTED PRICE LIST ALONG WITH TENDER.
- 3.0 THE TENDERS SUBMITTED MUST BE FREE FROM OVER WRITINGS OR EROSIONS. CORRECTIONS & ADDITIONS IF ANY MUST BE ATTESTED. INCOMPLETE TENDER SHOULD NOT BE SUBMITTED. TENDERS RECEIVED AFTER DUE DATE OF OPENING WILL NOT BE ENTERTAINED.
- 4.0 THE REQUIRED EMD IN SHAPE OF DD DRAWN IN FAVOUR OF "ORISSA POWER GENERATION CORPORATION LIMITED" PAYABLE AT SBI, IB THERMAL POWER STATION, BANHARPALI, CODE NO.9510 SHOULD INVARIABLY BE ENCLOSED WITH THE TENDER.
- 5.0 THE OFFER GIVEN MUST REMAIN VALID FOR A PERIOD OF 180 DAYS FROM THE DATE OF OPENING OF BID.
- 6.0 RATE WILL BE VALID FOR 1 YEAR FROM DATE OF AWARD OF CONTRACT.
- 7.0 MANUALS/PAMPHLETS/LEAFLETS AND DRAWINGS ILLUSTRATING TECHNICAL DETAILS/YEAR OF MANUFACTURE, MAKERS NAME, COUNTRY OF ORIGIN MUST BE ENCLOSED WITH THE TENDER, SAMPLE IF REQUIRED SHOULD BE SUBMITTED ALONG WITH TENDER.
- 8.0 THE PRICE QUOTED SHOULD BE FIRM AND DELIVERY F.O.R. DESTINATION INCLUSIVE OF PACKING, FORWARDING, TRANSPORTATION AND INSURANCE CHARGES EXCEPT GST WHICH IS TO BE EXTRA AS ACTUAL.
- 9.0 ACTUAL/PERCENTAGE OF SALES TAX/EXCISE DUTY LEVIABLE AND DECLARED TO BE CHARGED SHOULD BE DISTINCTLY SHOWN ALONG WITH PRICE QUOTED. WHERE IT IS NOT MENTIONED CLAIMS FOR PAYMENT OF SALES TAX AND EXCISE DUTY SHALL NOT BE ENTERTAINED ON ANY GROUND. SALES TAX REGISTRATION NUMBER MUST BE INDICATED INVARIABLY.
- 10.0 THE TENDERER SHOULD BE ABLE TO COMPLETE DELIVERY WITHIN 4 WEEKS FROM THE DATE OF RECEIPT OF PURCHASE ORDER.

- 11.0 THE TENDERER SHOULD BE AGREEABLY TO OUR PAYMENT TERMS I.E 90% WITHIN 30 DAYS OF RECEIPT AND VERIFICATION OF MATERIALS AND REST 10 % OF PAYMENT WILL BE RELEASED AFTER SUCCESSFUL INSTALLATION WITH CONFIGURATION OF THE SAME.
- 12.0 QUALITY OF MATERIALS TO BE SUPPLIED SHOULD BE BRAND NEW, FREE FROM ALL FLAWS, GOOD FINISH AND SHOULD BE AS PER TECHNICAL SPECIFICATION AND RELEVANT TO IS SPECIFICATION.
- 13.0 THE TENDER MUST ACCOMPANY PHOTO COPY OF LATEST & VALID INCOME TAX CLEARANCE CERTIFICATE & SALES TAX CLEARANCE CERTIFICATE WITHOUT WHICH TENDER WILL BE REJECTED.
- 14.0 DESTINATION MEANS CENTRAL STORES, IB THERMAL POWER STATION, BANHARPALI & BHUBANESWAR HEAD OFFICE .
- 15.0 WHENEVER TENDERERS HAVE ENTERED INTO RATE CONTRACT WITH DGS&D OR EPM, THE WILL INDICATE THE SAME IN THEIR TENDERS AND SUBMIT A COPY OF RATE CONTRACT AS A PROOF OF CLAIM.
- 16.0 THE QUANTITY INDICATED IN THIS ENQUIRY IS PROVISIONAL AND SUBJECT TO CHANGE.
- 17.0 SUPPLIER HAVING PAST EXPERIENCE OF SUPPLYING SIMILAR ITEMS TO OTHER THERMAL POWER STATIONS MAY SUBMIT A PHOTO COPY OF THE P.O. ALONG WITH THE QUOTATION.
- 18.0 THE UNDERSIGNED RESERVES THE RIGHT TO ACCEPT/REJECT ANY OR ALL THE TENDER WITHOUT ASSIGNING ANY REASON THEREOF.
- 19.0 PENALTY FOR DELAY IN DELIVERY: - THE VENDOR IS LIABLE TO PAY PENALTY AT THE RATE OF 0.5 % OF THE COST OF UNDELIVERED MATERIALS PER WEEK OR PART THEREOF SUBJECT TO MAXIMUM 05 % OF THE COST OF UNDELIVERED MATERIALS. IF DELAY IS BEYOND 10 WEEKS OR LESS DEPENDING UPON THE REQUIREMENT, THE BUYER RESERVE THE RIGHT TO CANCEL THE P.O. AND COLLECT THE MATERIALS FROM ANY OTHER SOURCE AT THE RISK OF ORIGINAL SUPPLIER WITHOUT MAKING ANY REFERENCE TO HIM. THE ADDITIONAL FINANCIAL INVOLVEMENT OCCURS IF ANY FROM PROCURING OTHER SOURCE SHALL BE RECOVERED FROM YOU.

20.0 **(A) PREPARATION OF COMPARATIVE STATEMENT**

VENDOR SHOULD NOTE FOLLOWING LOADING FACTORS TO BE USED BY OPGC DURING EVALUATION PROCESS IN CASE THE SAME HAS NOT BEEN CONSIDERD DURING OFFER SUBMISSION.

P&F CHARGES	2%
FREIGHT LESS THAN 300 KMS	3%
300 KMS. TO 500 KMS.	4%
500 KMS. TO 1000 KMS.	5%
ABOVE 1000 KMS.	6%
INSURANCE	0.086%

(NOTE: PERCENTAGE LOADING WILL BE LIMITED TO FULL TRUCK/TRAILER LOAD RATE FOR EACH TRUCK LOAD).

**(B) PAYMENT TERMS LOADING**

1.5% PER MONTH (WHEREVER PARTIES HAVE QUOTED 100% THROUGH BANK/ADVANCE AGAINST OUR STANDARD AND PAYMENT TERMS OF BID DOCUMENTS)

IN CASE OF PAYMENT THROUGH BANK LOADING FOR A PERIOD 30 DAYS AND IN CASE OF ADVANCE PAYMENT ALONG WITH P.O. THE LOADING FOR THE PERIOD OF DELIVERY PERIOD PLUS 30 DAYS, MAY BE TAKEN. IN CASE OF 90% THROUGH BANK & BALANCE 10% WITHIN 30 DAYS AFTER RECEIPT AND ACCEPTANCE OF MATERIALS.

LOADING FACTOR WILL BE  $1.5 \times 0.9 = 1.35\%$ . ACCORDINGLY FOR OTHER PAYMENT TERMS LOADING FACTORS WILL BE CALCULATED.

**(C) DELIVERY TERM LOADING:** IF THE DELIVERY PERIOD REQUIRED AS PER BID REQUIREMENT IS DEVIATED THE LOADING SHALL BE DONE @0.5% PER WEEK OR PART THEREOF FOR THE PERIOD OVER AND ABOVE THE STIPULATED DELIVERY PERIOD.

## 21.0 PREPARATION OF BID:

The bidder(s) shall submit the bid in two part, namely-

- I) Techno commercial Bid and
- II) Price bid

### **PART-I: TECHNO-COMMERCIAL BID**

A complete set of original Tender documents as issued to the Bidder duly filled in as prescribed in different clauses of the Tender documents with signature & stamp in all pages as token of unconditional acceptance shall constitute Techno-commercial Bid.

The bidder shall enclose the following documents in this bid.

- a) Crossed demand draft for requisite amount drawn in favor of Odisha power generation corporation ltd. in the manner prescribed above towards the earnest money and tender cost without which the tender will be summarily rejected.

Note: if required additional sheet may be used to furnish all above information but in the format provided in general conditions of contract.

The techno-commercial bid with all its enclosures as mentioned should be put in an envelope, sealed & super scribed as "techno-commercial bid". This envelope must contain name of the work, nit no., due date of opening and name & address of the bidder on bottom left hand corner of the cover.

### **PART-II: PRICE BID**

Kindly submit the Price bid in a different envelope as mentioned in the table above.

Price bids of only those bidders will be opened who meet as per qualification criteria given below. The Owner shall not entertain any correspondence with any Bidder in relation to the acceptance or rejection of any Price Bid.

### **QUALIFYING CRITERIA**

1. Average annual financial turnover during last three years should be Rs.5 Lacs or more. Audited Balance Sheet and profit & Loss A/C must be submitted along with the Techno-commercial Bid. In case the account is not audited, a certificate from a chartered accountant should be produced towards turnover.
  2. Experience of having successfully completed similar nature of works satisfactorily during last Three years Up to 31.03.2018 to the one in which applications are invited should be either of the following:-
    - (I) Three similar completed works costing not less than the amount equal to Rs.07 Lakhs.  
'OR'
    - (II) Two similar completed works costing not less than the amount equal to Rs. 09 Lakhs.  
'OR'
    - (III) Single similar completed work costing not less than the amount equal to Rs. 15 Lakhs.
- Bidder should be the OEM or authorized distributor/ Dealer /system integrator/channel partner of the OEM .Sufficient documentary evidence should be produced

## TECHNICAL SPECIFICATION

### CISCO SPARK ROOM KIT PLUS WITH CODEC PLUS & QUAD CAMERA CONFERENCING SOLUTION

#### MODEL: CS-KITPLUS-K9

CISCO SPARK ROOM KIT PLUS DELIVERS THE UNMATCHED VIDEO AND AUDIO EXPERIENCE CUSTOMERS HAVE COME TO EXPECT FROM CISCO. IN ADDITION, NEW CAPABILITIES ENABLE EVEN SMARTER MEETINGS, SMARTER PRESENTATION CAPABILITIES, AND SMARTER ROOM AND DEVICE INTEGRATIONS – FURTHER REMOVING THE BARRIERS TO USAGE AND DEPLOYMENT OF VIDEO IN MEDIUM TO LARGE-SIZED ROOMS.

THE ROOM KIT PLUS – COMPRISING A POWERFUL CODEC AND A QUAD-CAMERA BAR WITH INTEGRATED SPEAKERS AND MICROPHONES – IS IDEAL FOR ROOMS THAT SEAT UP TO 14 PEOPLE. IT OFFERS SOPHISTICATED CAMERA TECHNOLOGIES THAT BRING SPEAKER-TRACKING AND AUTO-FRAMING CAPABILITIES TO MEDIUM TO LARGE-SIZED ROOMS. THE PRODUCT IS RICH IN FUNCTIONALITY AND EXPERIENCE BUT IS PRICED AND DESIGNED TO BE EASILY SCALABLE TO ALL OF YOUR CONFERENCE ROOMS AND SPACES – WHETHER REGISTERED ON THE PREMISES OR TO CISCO SPARK THROUGH THE CISCO COLLABORATION CLOUD.

#### FEATURES:

##### **SMART MEETINGS:**

- POWERFUL, INTEGRATED CAMERAS DELIVER INTELLIGENT VIEW CAPABILITIES, SUCH AS AUTOMATIC FRAMING AND SPEAKER TRACKING

##### **SMART PRESENTATIONS:**

- DUAL SCREENS, DUAL CONTENT SOURCES, WIRELESS SHARING, AND 4K CONTENT MAKE FOR GREAT PRESENTATIONS

##### **SMART INTEGRATIONS:**

- PEOPLE COUNT FOR USAGE METRICS AND RESOURCE ALLOCATION; TIGHT INTEGRATIONS WITH SCREENS FOR ENHANCED FUNCTIONALITIES

##### **REGISTRATION FLEXIBILITY:**

- BUILT FOR BOTH CLOUD AND ON-PREMISES DEPLOYMENT, PROTECTING YOUR INVESTMENT

#### SPECIFICATIONS:

##### CAMERA:

- 5K ULTRA HD CAMERA
- SUPPORT UP TO 60 FPS
- 15.1 MP IMAGE SENSOR
- 1/1.7 CMOS
- 5X DIGITAL ZOOM (3 TELE-LENSES EACH WITH 50° HORIZONTAL FIELD OF VIEW)
- F/2.0 APERTURE
- 83° HORIZONTAL FIELD OF VIEW; 51.5° VERTICAL FIELD OF VIEW
- AUTO-FRAMING (AUDIO + FACE DETECT)
- 5120 X 2880 PIXEL RESOLUTION
- AUTO FOCUS, BRIGHTNESS, AND WHITE BALANCE
- FOCUS DISTANCE 1 M TO INFINITY
- STANDARDS: H.264, H.265

#### AUDIO:

- HIGH-QUALITY SPEAKERS
- FREQUENCY RESPONSE: 70 HZ TO 20 KHZ
- MAX OUTPUT LEVEL SPL 90DB
- HIGH-QUALITY 20 KHZ AUDIO
- PREPARED FOR SUBWOOFER (LINE OUT)
- PREPARED FOR INDUCTIVE LOOP (LINE OUT)
- AUTOMATIC GAIN CONTROL (AGC)
- AUTOMATIC NOISE REDUCTION
- ACTIVE LIP SYNCHRONIZATION
- SPEAKER TRACKING: 6-ELEMENT MICROPHONE ARRAY FOR ACCURATE SPEAKER TRACKING

#### INPUT:

- TWO HDMI OUTPUTS SUPPORT FORMATS UP TO 3840 X 2160P60 (4KP60)
- LIVE VIDEO RESOLUTIONS (ENCODE AND DECODE) UP TO 1920 X 1080P60 (HD1080P)
- CONSUMER ELECTRONICS CONTROL (CEC) 2.0
- THREE MICROPHONES, 4-PIN MINI-JACK
- TWO AUDIO IN FROM HDMI

#### OUTPUT:

- TWO HDMI OUTPUTS SUPPORT FORMATS UP TO 3840 X 2160P60 (4KP60)
- LIVE VIDEO RESOLUTIONS (ENCODE AND DECODE) UP TO 1920 X 1080P60 (HD1080P)
- CONSUMER ELECTRONICS CONTROL (CEC) 2.0
- 1 LINE OUT MINI-JACK (STEREO) (CODEC PLUS)
- 1 RCA OUTPUT FOR SUBWOOFER (QUAD CAMERA)
- 2 HDMI OUTPUTS
- HDMI INPUT #1 SUPPORTS AUDIO RETURN CHANNEL (ARC): AUDIO OUTPUT TO QUAD CAMERA SPEAKERS

#### NETWORK:

- ONE ETHERNET (RJ-45) 10/100/1000 FOR LAN
- ONE ETHERNET (RJ-45) 10/100/1000 FOR DIRECT PAIRING WITH CAMERA
- ONE ETHERNET (RJ-45) 10/100/1000 WITH POWER OVER ETHERNET (POE) FOR DIRECT PAIRING WITH TOUCH 10
- WI-FI 802.11A/B/G/N/AC 2.4 GHZ/5 GHZ FOR LAN. 2X2 MIMO
- BLUETOOTH 4.0 LE

#### POWER

- 100 TO 240 VAC, 50/60 HZ, 12V DC INPUT
- AVERAGE 20 W, PEAK 70W
- QUAD CAMERA MUST BE USED WITH POWER SUPPLY FSP FSP070-AHAN2 OR ACBEL ADF019

#### GENERAL:

- OPERATING TEMPERATURE AND HUMIDITY: 0°C TO 40°C AMBIENT TEMPERATURE, 10% TO 90% RELATIVE HUMIDITY (RH)
- STORAGE AND TRANSPORT TEMPERATURE: -20°C TO 60°C AT RH 10% TO 90% (NONCONDENSING)
- DIMENSIONS - QUAD CAMERA (W X H X D): 95 X 12 X 10.3CM
- WEIGHT - QUAD CAMERA: 4.8KG
- DIMENSIONS - CODEC PLUS (W X H X D): 35.9 X 4.3 X 14.3CM
- WEIGHT: CODEC PLUS: 1.77KG

## APPLE IPAD PRO MPHK2HN/A TABLET (10.5 INCH, 256GB, WI-FI + 4G LTE), SPACE GREY/ROSE GOLD/SILVER

- 12MP PRIMARY CAMERA WITH AUTO FOCUS WITH FOCUS PIXELS AND 7MP FRONT FACING CAMERA

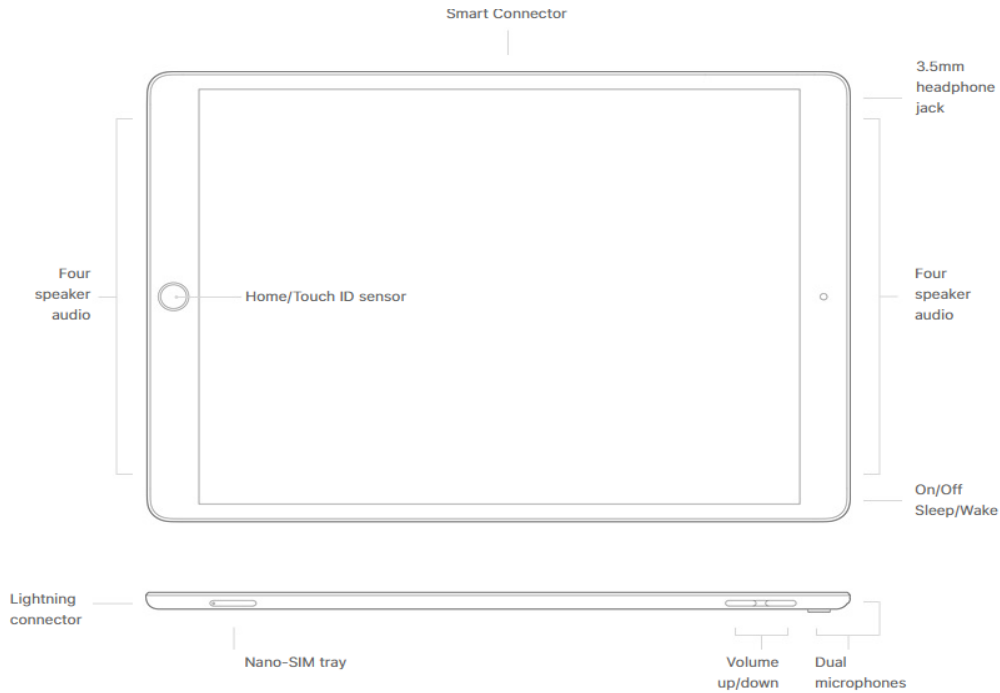
- 26.67 CENTIMETERS (10.5-INCH) LED-BACKLIT WITH MULTI-TOUCH CAPACITIVE TOUCHSCREEN WITH 2224 X 1668 PIXELS RESOLUTION
- IOS V10 OPERATING SYSTEM WITH 2.38 GHZ A10X FUSION CHIP WITH 64-BIT ARCHITECTURE EMBEDDED M10 HEXA CORE PROCESSOR, 4GB RAM, 256GB INTERNAL MEMORY AND SINGLE NANO SIM
- 8135MAH LITHIUM-ION BATTERY
- 1 YEAR MANUFACTURER WARRANTY FOR DEVICE AND 6 MONTHS MANUFACTURER WARRANTY FOR IN-BOX ACCESSORIES INCLUDING BATTERIES FROM THE DATE OF PURCHASE

OS	IOS
RAM	4 GB
ITEM WEIGHT	476 G
PRODUCT DIMENSIONS	24.9 X 17.3 X 0.6 CM
BATTERIES:	1 LITHIUM POLYMER BATTERIES REQUIRED. (INCLUDED)
ITEM MODEL NUMBER	MPHK2HN/A
WIRELESS COMMUNICATION TECHNOLOGIES	BLUETOOTH, WIFI HOTSPOT
CONNECTIVITY TECHNOLOGIES	GSM, (850/900/1800/1900 MHZ), UMTS, HSPA, HSPA+, DC-HSDPA, 3G, (850/900/1700/2100/1900/2100 MHZ), EDGE, WIFI 802.11A/B/G/N/AC
SPECIAL FEATURES	SINGLE SIM, ACCELEROMETER, AMBIENT LIGHT SENSOR, BAROMETER, GYRO SENSOR
OTHER CAMERA FEATURES	7MP
FORM FACTOR	TOUCHSCREEN PHONE
WEIGHT	476 GRAMS
COLOUR	ROSE GOLD
BATTERY POWER RATING	8135
WHATS IN THE BOX	TABLET, LIGHTNING TO USB CABLE AND USB POWER ADAPTER

## MOBILE AND WIRELESS

- WI-FI (802.11A/B/G/N/AC); DUAL BAND (2.4GHZ AND 5GHZ); HT80 WITH MIMO
- BLUETOOTH 4.2 TECHNOLOGY
- **WI-FI + CELLULAR MODELS**
- UMTS/HSPA/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHZ); GSM/EDGE (850, 900, 1800, 1900 MHZ)
- CDMA EV-DO REV. A AND REV. B (800, 1900 MHZ)
- LTE ADVANCED (BANDS 1, 2, 3, 4, 5, 7, 8, 11, 12, 13, 17, 18, 19, 20, 21, 25, 26, 27, 28, 29, 30, 38, 39, 40, 41)
- DATA ONLY<sup>5</sup>
- WI-FI CALLING<sup>4</sup>
- APPLE SIM COMPATIBLE<sup>3</sup>

## Buttons and Connectors



## iPad Pro In the Box

iPad Pro  
Lightning to USB Cable  
USB Power Adapter



## Display



**Retina display**  
**10.5-inch (diagonal) LED-backlit Multi-Touch display**  
**2224x1668 resolution at 264 pixels per inch (ppi)**  
**ProMotion technology**  
**Wide colour display (P3)**  
**True Tone display**  
**Fingerprint-resistant oleophobic coating**  
**Fully laminated display**  
**Anti-reflective coating**



## BOQ

S.NO	Name of the work	qty	SAC code	Price	Total
1	Supply ,installation ,testing & configuration of Cisco Spark Kit (CS-KIT-K9) Codec with all accessories along with Apple I pad (Pro MPHK2HN/A tablet (10.5 inch,256 GB ,wi-fi +4G LTE) 3 years onsite warranty with onsite 3 years support has to be considered	3			

Note: Item wise HSN/SAC Code with GST rate applicable to be indicated in the offer