Ref.: Plg/165/RFID/11667

Following amendments are issued for the RFID based access control system project tender:

<table>
<tr><th>S. No.</th><th>RFP volume and clause</th><th>Existing clause</th><th>Change type (New/ Modify/ Delete)</th><th>Revised clause/ Amendment</th></tr>
<tr><td>1</td><td>RFP volume II, clause 4</td><td>Tender schedule:<table>
<tr><td>1</td><td>Last date for download of RFP document</td><td>17-05-2017 till 2 pm</td></tr>
<tr><td></td><td>Last date for submission of EMD and Bid document fee</td><td>17-05-2017 till 3 pm</td></tr>
<tr><td></td><td>Date of start of online submission of bids</td><td>04-05-2017</td></tr>
<tr><td></td><td>Last date for submission of bids</td><td>17-05-2017 till 3 pm</td></tr>
<tr><td></td><td>Submission of Original copies of bid security (Physical copy), Power of Attorney, if any</td><td>17-05-2017 at 3.30 pm</td></tr>
<tr><td></td><td>Opening of Techno-Commercial bid</td><td>17-05-2017 at 3.30 pm</td></tr>
</table></td><td>Modify</td><td>Tender schedule:<table>
<tr><td>1</td><td>Last date for download of RFP document</td><td>23-05-2017 till 2 pm</td></tr>
<tr><td></td><td>Last date for submission of EMD and Bid document fee</td><td>23-05-2017 till 3 pm</td></tr>
<tr><td></td><td>Date of start of online submission of bids</td><td>11-05-2017</td></tr>
<tr><td></td><td>Last date for submission of bids</td><td>23-05-2017 till 3 pm</td></tr>
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S. No.	RFP volume and clause	Existing clause	Change type (New/ Modify/ Delete)	Revised clause/ Amendment
		(Pre-qualification and Technical bid) on e-Procurement platform Evaluation of Pre-qualification and Technical bid on e-Procurement platform: From 17-05-2017 at 3.30 pm onwards Opening of Price bid on e-Procurement: Will be informed later Contract finalization and Award: Will be informed later		(Pre-qualification and Technical bid) on e-Procurement platform Evaluation of Pre-qualification and Technical bid on e-Procurement platform: From 23-05-2017 at 3.30 pm onwards Opening of Price bid on e-Procurement: Will be informed later Contract finalization and Award: Will be informed later
2	RFP Volume I, clause 2.3.1	The Service Provider shall provide plans for User Acceptance Test (UAT) and System integration Tests (SIT) including Performance Tests (PT) to KOPT or its designated Third Party Audit Agency (TPAA) and make necessary changes to system configuration to optimise performance as per recommendation of KOPT and or TPAA	Modify	The Service Provider shall provide plans for User Acceptance Test (UAT) and System integration Tests (SIT) including Performance Tests (PT) to KOPT or designated Third Party Audit Agency (TPAA) and make necessary changes to system configuration to optimise performance as per recommendation of KOPT and or TPAA

S. No.	RFP volume and clause	Existing clause	Change type (New/ Modify/ Delete)	Revised clause/ Amendment
3	RFP Volume I, clause 2.3.2	The Service Provider shall facilitate Port or its nominated Agency to conduct User Acceptance Testing , Application Security Testing (Vulnerability Testing and Penetration Testing) and Infrastructure security	Modify	The Service Provider shall facilitate Port or nominated Agency to conduct User Acceptance Testing , Application Security Testing (Vulnerability Testing and Penetration Testing) and Infrastructure security
4	RFP Volume I, clause 2.3.2	It is responsibility of the Service Provider to get the complete RFID infrastructure including PACS solution , implemented in KOPT , audited by CERT-IN empanelled agencies and produce the compliance report every year to KOPT during the currency of Contract	Modify	It is responsibility of the Service Provider to get the complete RFID infrastructure including PACS solution , implemented in KOPT , audited by CERT-IN or Government empanelled agencies and produce the compliance report every year to KOPT during the currency of Contract
5	RFP Annexure I, clause 5 and RFP Annexure V, clause 1	Total number of Lanes (Vehicles & Pedestrian) - 28	Modify	Total number of Lanes (Vehicles & Pedestrian) - 24
6	RFP volume II, clause 11.6, point 6	The Bidder (all the members in case of consortium) should not be blacklisted by Central/ State Government Ministry/ Department/ PSU/ Government Company. Bidder also should not be under any legal action for indulging in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice with any Indian Central/ State Government Ministry/ Department/ PSU/ Government Company. The Bidder shall submit a self-declaration in the respective company letter	Modify	The Bidder (including all the members in case of consortium and the OEM(s) with whom bidder is collaborating for various components of the RFID solution) should not be blacklisted by Central/ State Government Ministry/ Department/ PSU/ Government Company. Bidder also should not be under any legal action for indulging in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice with any Indian Central/ State Government Ministry/ Department/ PSU/

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		head, signed by authorized signatory.		Government Company. The Bidder shall submit a self-declaration himself in the respective company's letter head, signed by authorized signatory. All the consortium members and the partner OEM(s) shall also submit the above self-declaration and bidder must submit all the undertakings along with technical bid.
7	RFP volume II, clause 11.6, Notes point 2, b	Companies who have successfully executed e-Governance projects under Aadhar/RSBYJ/Driving license/Financial Inclusion are also eligible to bid.	Modify	Companies who have successfully executed e-Governance projects under UADAI or NPRAadhar/ RSBYJ/ Driving license/ Financial Inclusion are also eligible to bid.
8	RFP volume I, clause 2.3.2, Testing and Hosting section, last bullet point	It is the responsibility of the Service Provider to get the complete RFID infrastructure including PACS solution, implemented in KoPT, audited by Cert-In empanelled agencies and produce the compliance reports every year to KoPT during the currency of the contract	Modify	The complete RFID solution needs to be audited by a Cert-In empanelled third party audit agency. The documentation for selection of third party audit will be the responsibility of the Service provider. KoPT will do the selection process and payment to such third party auditor. It is the responsibility of the Service provider to rectify any bugs/ changes/ non-compliances identified during the audit process at free of cost. The service provider shall re-work on such areas and provide the modified/ rectified version again, for audit till all such bugs/ changes/ non-compliances have been addressed. Payment will be released after successful compliance of the audit report.

S. No.	RFP volume and clause	Existing clause	Change type (New/ Modify/ Delete)	Revised clause/ Amendment
9	RFP volume II, clause 8.3, point i	The number of consortium members cannot exceed ***two***, including the Prime Bidder	Modify	The number of consortium members cannot exceed ***four,*** including the Prime Bidder
10	RFP volume II	New clause added	New	Bid validity period shall be for a period of 180 days from the date of bid opening
11	RFP volume II, point 4	In case of Bank Guarantee, the same should be in favour of Kolkata Port Trust as per the format given in Annexure B – Form B.6	Modify	In case of Bank Guarantee, the same should be in favour of Kolkata Port Trust as per the format given in Annexure B – Form B.6. The Bank Guarantee for EMD should be valid through out the bid validity period and any extended bid validity period thereof.
12	RFP Annexure I	New clause added - Point 7 - Network Layout	New	Refer Network Layout - Annexure 1
13	RFP Annexure II, Technical Specifications	Secure Identity Object (SIO) technology in RFID card and reader	Modify	Secure Identity Object (SIO) or similar standard technologies
14	RFP volume II, clause 13.3, point 2	Payment to the Service Provider will start after the Go-Live period and system stabilization period	Modify	Payment to the Service Provider will start after the Go-Live period
15	RFP volume II, clause 13.3, point 3	Following payment milestones shall be applicable for the project: o 60% of the Estimated Capex Value (ECV) or 60% of the Total CAPEX Cost (TCC) quoted by the Service Provider, whichever is lesser, will be paid on the declaration of successful Go-Live of	Modify	Following payment milestones shall be applicable for the project: o 60% of the Estimated Capex Value (ECV) or 60% of the Total CAPEX Cost (TCC) quoted by the Service Provider, whichever is lesser, will be paid on the declaration of successful Go-Live of

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		project. o Balance of the Total CAPEX cost (Total CAPEX cost – (60% of ECV or TCC, whichever is lesser)) quoted by the Service Provider will be paid as Equated Monthly Instalments (EMI) for 07 years. o Monthly OPEX cost quoted by the Service Provider will be paid on a monthly basis o Total Equated Monthly Instalment (EMI) for the Service Provider will be the sum of: - Monthly Instalment of balance of CAPEX cost for 07 years - Monthly OPEX cost quoted by the Service Provider o Payment towards OPEX shall be made based on the SLA and service deliverable as per the RFP. oKoPT will not make any payment towards RFID Cards provided for its internal requirement, as the same is included in the estimate (CAPEX). Payment towards RFID cards provided to Port users shall be directly collected by the Service Provider from the users at the quoted rate. o If required, Additional RFID cards will be provided to meet port's internalrequirements by		project. o Balance of the Total CAPEX cost (Total CAPEX cost – (60% of ECV or TCC, whichever is lesser)) quoted by the Service Provider will be paid as Equated Monthly Instalments (EMI) for 84 months. o Monthly OPEX cost quoted by the Service Provider will be paid on a monthly basis o Total Equated Monthly Instalment (EMI) for 84 months that will be paid to the Service Provider will be the sum of: - Monthly Instalment of balance of CAPEX cost - Monthly OPEX cost quoted by the Service Provider o Payment towards OPEX shall be made based on the SLA and service deliverable as per the RFP. o KoPT will not make any payment towards RFID Cards provided for its internal requirement, as the same is included in the estimate (CAPEX). Payment towards RFID cards provided to Port users shall be directly collected by the Service Provider from the users at the quoted rate. o If required, Additional RFID cards will be

S. No.	RFP volume and clause	Existing clause	Change type (New/ Modify/ Delete)	Revised clause/ Amendment
		Service Provider and charges for registration and issuing additional cards & passes will be paid by KoPT as per the quoted rates on actual basis.		provided to meet port's internal requirements by Service Provider and charges for additional cards & passes will be paid by KoPT as per the quoted rates on actual basis.
16	RFP volume II, clause 11.4, point 5, b	Only those bidders, who fulfil the mandatory technical compliance criteria, mentioned in section 7.7 and 7.8 and the Technical Specification Requirements (RFP, Annexure II), will qualify for the evaluation of their Commercial bids.	Modify	Only those bidders, who fulfil the mandatory technical compliance criteria, mentioned in section 11.7 and 11.8 and the Technical Specification Requirements (RFP, Annexure II), will qualify for the evaluation of their Commercial bids.
17	RFP volume II, clause 11.8, sl.no. 1	Part I: Undertakings from the Bidder as mentioned in section 7.7.1	Modify	Part I: Undertakings from the Bidder as mentioned in section 11.7.1
18	RFP Annexure II, Wireless Network: DESIGN SPECIFICATIONS:	"The wireless solution shall consist of a number of Wireless devices (including	Modify	The wireless solution shall consist of a number of Wireless devices (including Indoor, Outdoor, Branch and Mesh Access Points) operating as a solid network under a common network management system
19	RFP Annexure II, HF card, Sl. No. 3	The card shall be available as a single RFID solution designed for interoperability with 13.56 MHz readers or optionally in dual technology in conjunction with a 125 KHz proximity interface.	Modify	The card shall be available as a single RFID solution designed for interoperability with 13.56 MHz readers

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20	RFP Annexure 1, clause 3.14, b	This device shall be connected with the server through a USB port and shall be of any reputed make with service and support availability in India and of RAID configuration	Delete	-
21	RFP Annexure 1, clause 3.14, c	This device shall contain all the archived data on a monthly basis after the 10 year retention period. It shall be possible to restore a COPY of the archived data for selected months to the live database as and when required and can be removed immediately after it serves its purpose. Since, this data is to be utilized only for reporting purposes, all the transaction and related data shall be retained in the Archive until the end of contract period	Delete	-

Clause description	Pre-bid Queries	NISG's Response
Implementation scope	Supply, Installation, Commissioning and Maintenance of RFID system at Kolkata Port Trust on OPEX Model and provide Operations and Maintenance (O&M) support for a period of 07 years from the date of Go-Live. The maintenance includes RFID based security solution maintenance, IT infrastructure maintenance, network maintenance, system administration, security administration, database administration, end-user problem resolution and staffing the sufficient resources.---Kindly confirm the bifurcation of warranty & CAMC period.	O&M phase of 07 years includes warranty period
Project background	KoPT decided to implement a Radio Frequency Identification (RFID) based Port Access Control System based on Government of India formulated "National Maritime Agenda 2010-20" in which RFID was identified as a key technology for Port Sector security and efficiency enhancement. ---Kindly share the details of National Maritime Agenda 2010-20	Please refer Ministry of Shipping, Government of India website
Project background	The proposed RFID based access control solution is envisaged to be seamlessly integrated with the existing ICT environment at KDS, KoPT**---Kindly share the details of Existing ICT environment**	KoPT is planning to implement ERP solution and other IT solutions in future. Bidder should assist the ERP implementation agency and other such applications that may be implemented in future, in integrating the RFID based access control system with such solution, if required

Project objectives	To comply with the International Ship and Port Facility Security (ISPS) code.-- **Kindly share the details of International Ship and Port Facility Security (ISPS) code**	Please refer International Maritime Organization website
Overall scope of work	RFID Based Access Control System together with relevant system software(s) at the 08 Gates of Netaji Subhash Dock (NSD) and the 06 Gates of Kidderpore Dock. -- **Kindly share the location details and coordinates**	Please refer RFP Annexure 1, clause 4. Bidder should conduct a site study for ascertaining actual requirements and then submit the bid accrodingly
Overall scope of work	Procurement, installation, configuration and commissioning of central servers for hosting the RFID based Access Control System at KoPT in Data Centre & Disaster Recovery Center. -- Kindly share the coordinates of Data Centre & Disaster Recovery Center locations	Please refer RFP volume 1, clause 2.3.3 and 2.3.4. Bidder should conduct a site study for ascertaining actual requirements and then submit the bid accrodingly
Overall scope of work	Payment towards OPEX shall be made based on the SLA and service delivery.**--- We request you to release the payment against delivery of materials & installation**	No change
Detailed Functional Requirement study, System Requirements Study and System Design	The Service Provider shall make necessary arrangement for management reports, dashboards, business intelligence tools, SMS gateway, Online payment gateway, online e-wallet and Data migration in line with the expectations of users provided in the functional requirements.---Kindly share the details of the existing infrastructure and ISP	Refer to Network layout - Annexure 1

Limitation of liability	Kindly include the clause of Limitation of Liability which states "To the extent Permitted by law. The maximum liability of hail to the buyer arising out of or in connection with this contract, whether such liability arises from any claim based upon contract, warranty, tort or otherwise, shall in no case exceed the ac tual amount paid to hail by the buyer for contract equipment to be delivered hereunder. In no event will hail be liable for any incidental damages, consequential damages, special damages, indirect damages, loss of profits, loss of revenues, or loss of use, these limitations and exclusions will apply regardless of whether liability arises from breach of contract, warranty, tort (including but not limited to negligence), by operation of law, or otherwise."	No change

Arbitration	Kindly include the clause of Arbitration which states This Agreement will be governed by the laws of India without regard to conflicts of law principles. . Any dispute arising out of or relating to this will be finally resolved by arbitration in accordance with the Indian Arbitration and Conciliation Act 1996 and its subsequent amendments thereof. The place of arbitration will be Pune. The language of the arbitration will be English. Any award will be payable in Indian Rupees. If the value of the dispute is less than Rupees five Crores, then arbitration will be conducted by a mutually appointed single arbitrator. If the Parties are unable to agree on the appointment of a single arbitrator within 30 days of dispute, then a single arbitrator will be appointed by the Chief Justice of Bombay High Court. If the value of the dispute is Rupees five Crores or more, then arbitration will be conducted by a panel of three arbitrators. Each Party will appoint one arbitrator and the said arbitrators will appoint a third arbitrator to act as Presiding Arbitrator. Parties will bear their own costs of arbitration. Notwithstanding the foregoing, either Party may apply to any court of competent jurisdiction at Pune for preliminary injunctive relief without breach of this arbitration provision	No change
The Networking requirement is for the list of locations as specified in Annexure I of volume I of the RFP document	Could not find the locations to be connected to DC/DR. Pls confirm the number of gates, pass issuance counters and any other building which needs to be connected to DC/DR.	Please refer RFP Annexure I, point 5. Bidder should conduct a site study for ascertaining actual requirements and then submit the bid accrodingly

Procurement, installation, configuration and commissioning of wired and wireless network to connect all Pass issuance counters, operational gates and all other locations in the project	Pls provide locations which needs to be connected to DC/DR.	Please refer RFP Annexure I, point 5. Bidder should conduct a site study for ascertaining actual requirements and then submit the bid accrodingly
Scope of work	Do we need to provide any connectivity between DC and DR from ISP?	Refer to Network layout - Annexure 1
Scope of work	Do we need to provide internet at DC/DR?? So that it can be extended to HHT for mobile spot checking? Pls confirm	Wi-fi connectivity is to be provided for HHT devices
Scope of work	Do we need to connect the vehicle LANES, pedestrian lanes and berth locations to DC/DR	Bidder may design and configure the solution in a manner that would satisy the SLA criteria and matches KoPT's requirements mentioned in the RFP
Service Provider to create Wi-fi connectivity near all such locations where HHTs are to be used by officials	Need the detail address of all the locations wherein we need to create WI-FI connectivity. How many locations are there? What it the number of access point which will be required?	Bidder should conduct a site study for ascertaining actual requirements and then submit the bid accrodingly
Implement the RFID solution using the existing KDS-KoPT network wherever available. Else, procure, install, configure and commission a wired and wireless network to connect all the required pass issuance counters, gates and port premises. Feasibility and requirement study should cover the network requirement study also.	1-Kindly provide the location details along with Geo coordinates 2- Also request to provide the existing network schematic diagram and connectivity details, type, BW and data rate etc.	Refer to Network layout - Annexure 1

Service Provider will establish its own reliable and fail-safe network/ IT infrastructure for operationalization of RFID solution. Service Provider can use the existing KDS-NET network and make necessary last-mile connectivity (using KDS-NET as backbone) between the gates and various zones of KDSKoPT shall be established using OFC/ wireless connectivity, including connectivity at all pass issuance counters.	Request to provide the existing KDS- NET network schematic diagram and connectivity details, type, BW and data rate etc.	Refer to Network layout - Annexure 1
Wireless / Wi-Fi is to be established wherever wired is not feasible.	I hope this will be limited to the location mentioned elsewhere as above query no 1 & 2, This will not be a for complete area of the KOPT	Clause is self explanatory
Specifications "The wireless solution shall consist of a number of Wireless devices (including	" - compliance specification incomplete. Please confirm?	Refer to amendments
"Wireless access and at least 2 backhauls in separate radios"	Does this mean single backhaul & single access in each radio or does this mean 2 backhauls with single access in each radio?	No change
"Each access radio shall be capable of supporting different security profiles on a per SSID basis" -	Do you need multiple authentication on single SSID? Like Captive portal authentication and SIM based authentication on single SSID or separate SSID? Please advise??	no change

Multiple Authentication Servers should be supported	Please elaborate	No change
Setting up of Data Centre at Subhash Bhavan KoPT will provide the space; power (General Power) for setting up of Data Centres (DC and DR).	Kindly clarify on which floor DC & DR to be Planned, No of Racks to be considered, power density per Rack	DC is to be setup on the 1st floor and DR on the 2nd floor.
The Data Centres shall be set-up by the service provider as per industry best practice for similar type of organization	Please clarify the tiering requirements for DC and DR	1. The approximate floor size of the DC & DR is 500 sq. ft. each. 2. The following infrastructure to be setup in the DC & DR: False roofing, raised flooring, lighting & fixtures, fire extinguishers, air conditioning, physical security
DC & DR 1. Modular design 2. Scalable based on future requirements 3. Sufficient Air condition, dust free environment and fire detection and suppression 4. Partitioning as required	Kindly clarify the below 1.No of racks and power per rack required for Modular DC 2. No of rack and power per rack for Future requirement 3. Please confirm the type of cooling required, PAC,Inrow or LCP 4. Kindly share the DC and DR architectural layout	No change
The service provider shall supply, install and commission the entire infrastructure required at Data Centre, which is planned to be set up at Subhash Bhavan and Disaster Recovery Centre which is planned to be set up at HQ.	Request to clarify on which floor DC and DR will be located and Please share the Floor Load barring capacity for both DC and DR site	DC is to be setup on the 1st floor and DR on the 2nd floor.

Power feeder for DC and DR	Kindly confirm the availiblity of dual power source for DC and DR,What is the distance between the main Distribution panel to the proposed DC and DR. Incomer cable from Main panel to the DC/DR	Please refer RFP volume I, clause 2.16 and Annexure I, clause 3.13
DC/DR scope	we are assuming bidder scope for DC/DR will be within the DC/DR room .KPT will provide power source with DG back upto DC/DR.Rest downstream work will be under bidder scope.Kindly confirm	Please refer RFP volume I, clause 2.16. No back-up power shall be provided by KoPT.
The system shall be capable of maintaining an uninterrupted power supply tothe UPS loads for a sustained period of at least 4 hours under full load conditions from a fully charged battery.	Kindly confirm the backup time required for RFID UPS.as per page number 290,backup time required for 1KVA and 2KVA UPS is minimum 1 hr.	Bidder may match or better the specification requirement
Technical specification for DC/DR componets	Kindly provide the technical specifications for DC/DR components like Light fixtures,Cables,UPS,Battreies ,Earthing system,False	As per Tier II data centre standards
O&M for DC/DR	Kindly clarify how many years O&M to be considerd for DC/DR	O&M phase is for 07 years
Fire safety and Security system	Kindly specify the fire and safety system requirements for the DC and DR.Type of Fire suppression,Fire alarm,BMS and access control systems to be considered	As per Tier II data centre standards
IBMS system	Kindly confirm if we need to considere saperate IBMS system for the DC and DR and also confirm the location of BMS room in the respective buildings.	IBMS is not in the scope of present RFP
Cameras for lane monitoring and vehicle monitoring	Please provide the details on the video management software requred for managing these surveillance cameras? Do the requirement is server based or NVR based System?	Bidder may design and configure the solution in a manner that would satisy the SLA criteria and matches KoPT's requirements mentioned in the RFP
Cameras for lane monitoring and vehicle monitoring	What is the duration of video storage required for these camera video feeds and at what resolution ?	Please refer RFP Annexure I, clause 3.26, point g

Front and back image capture of the container	Is the requirement for ANPR(Automated number plate recognition system) and DIC (driver image capture) system with required hardware and software? How many lanes need to be consider for these requirement.	Please refer RFP Annexure V. ANPR is not in the scope of present RFP.
General Surveillance system	Do we have to consider any poles for mounting the cameras or it will be provided by the customer?	All associtated infrastructure requirement for proper implementation/ functioning of the solution is in the scope of bidder
General Surveillance system	Do we have to consider power cables for cameras or POE network power will be provided by the switches?	All associtated infrastructure requirement for proper implementation/ functioning of the solution is in the scope of bidder
General Surveillance system	is there any approved makes for Cameras and surveilance system or we can consider any technical complied product?	Bidder may match or better the specification requirement
RFID PACS should replace the existing Access control system with enhanced functionalities.	Please provide details of existing Access control system	Please refer RFP volume 1, point 1.3
Handheld Terminal Read Range : 8 meters	Since hand held terminal has both HF & UHF reading capability. Only UHF can give 8 mtrs not HF. Please confirm	Bidder may match or better the specification requirement
HF RFID card: The card shall be available as a single RFID solution designed for interoperability with 13.56 MHz readers or optionally in dual technology in conjunction with a 125 KHz proximity interface.	125KHz shall be in LF range, please explain the purpose of using compatible Card?	Refer to amendments
Down Time		No change
Timely Delivery		No change
Project Timelines		No change
RFP Issuing Authority	Request EMD to be submitted in the form of Bank Guarantee only, and not as proposed (part DD and part BG)	No change

Earnest Money Deposit	Request return of EMD of the unsuccessful bidder at the time of award of the contract to the successful bidder and not upon establishment of the contract with the successful bidder	No change
Earnest Money Deposit	Request bid forfeiture of the successful bidder to be invoked only in the event the parties fail to enter into a contract, despite the Trust adequately considering the deviations raised by the Bidder.	No change
Consortium Bids	Request the bidders to be solely and independently liable for their individual portions of the bid.	No change
General Conditions of Contract (GCC):	Request deletion of this clause. Since this RFP has specifically mentioned terms and conditions, only those conditions should be made applicable to the bidder. The terms and conditions mentioned elsewhere do not specifically apply to any IT procurement, and may cause an adverse impact at the time of assessing commercials.	No change
Conflict of Interest		
Acknowledgement of Understanding of Terms	Request modification of this clause to include provisions for providing devotions. The Bidder may undertake to provide such an undertaking, provided that the Deviations are considered as an integral part of the bid.	No change
Bid Submission Instructions (Important instructions for E – tender)	Keeping in mind the complexity of this bid, request the Bidder be allowed to submit deviations to the technical, commercial and legal terms and conditions of this Bid for a fair appraisal of the bids submitted.	No change
Notification of Award	Execution of the contract shall be considered as formation of contract. Notification of Award should be considered as offer to the bidder to enter into the contract. Request modification accordingly.	No change

Suggestions on the Draft Contract		
Failure to agree with the Terms and Conditions of the RFP	Failure to agree with terms and conditions of the contract must be considered as disqualification and not be considered to revoke the EMD/PBG (if submitted) for default. Parties entering into a contract must be on mutual terms and conditions, and in the event the same is not achieved, it must not be a ground to invoke penal action against the party failing to entire into the contract.	No change
Payment Terms and Schedule		
Performance Bank Guarantee	The statement suggesting that the bidder be required to extend the PBG until such time as the Bidder "completes all contract obligations." is open ended. Request a timeline to be associated with the same. We suggest the PGB be valid for a period not exceeding 7 days from the date of extension granted. However, the period suggested as 180 days is unreasonable, and the above recommendation must be considered.	No change
Liquidated Damages	LDs must be considered, as the case is in fundamental law of Contracts, as sole and exclusive remedy for breach. Hence, request the statement "This right to claim any liquidated damages shall be, without prejudice to other rights and remedies, available to KoPT under the contract and law." be modified accordingly.	No change
SCOPE OF AGREEMENT		

Interpretation of the Scope of Work	Request that the interpretation of the documents, in the event of a conflict of opinion be decided by the PMC and not the Board. This may be considered unilateral and arbitrary and therefore, it is requested that the clause be modified accordingly	No change
Interpretation of the Scope of Work	Once there has been a sign-off which has been awarded, the same need not be made conditional. Therefore, it is requested that sign-off would be considered as a final sing-off and not be considered to be conditional.	No change
SCOPE AND PROVISION OF THE SERVICES		
SCOPE AND PROVISION OF THE SERVICES	Procurement of any other service not contemplated in the RFP, shall be as per terms and conditions mutually agreeable to both parties. Clarification sought accordingly.	No change
USE AND ACQUISITION OF ASSETS		
USE AND ACQUISITION OF ASSETS	Any re-location shall be at the cost of the Port trust. Such costs as suggests, may not be possible to be factored at the time of bidding, and the same, if in case is undertaken by the SP, be on costs to be mutually decided by both parties.	Please refer to RFP volume III, clause 2.6, point q. Any relocation within the Port premises is the reponsibility of the Service Provider. Any physical structure demolition or reconstruction will be the responsibility of KoPT
SECURITY AND SAFETY		
ARTICLE 5 - BREACH, RECTIFICATION & TERMINATION	Request material breach to be considered for any default which remains uncured for a period of more than 30 days and not 7 days. Also, this being a considerably complex project, the termination notice must be of a period not less than 30 days instead of 7 days.	No change
TERMINATION ON OTHER GROUNDS		No change
EFFECTS OF TERMINATION		No change

Performance Bank Guarantee	Request deletion of this clause. PBG is a one time document, and it is unnecessary for the same to be replenished.	No change
WARRANTIES	Request deletion. We cannot provide performance related warranties as the same is in excess of penalties, LDs to be enforced in the event of breach of any of the performance parameters	No change
EMPLOYEES	Request deletion. We may be able to comply to the extent commercially feasible.	No change
Transfer of certain agreements	Request deletion. We may be able to comply to the extent commercially feasible.	No change
Liquidated Damages	In the event of the Bidder's failure to submit the Bond, Guarantees and Documents and supply the solution / equipment as per schedule specified in this RFP, KoPT may at its discretion withhold any payment until the completion of the contract. The KoPT may also deduct from the payment due to the Bidder as agreed, liquidated damages to the tune of 0.5% from the corresponding milestone payment of the delayed / undelivered services for every week of delay or part of a week, subject to the maximum value of the Liquidated Damages being not more than 10% of the value of corresponding milestone payment of the delayed / undelivered services. This right to claim any liquidated damages shall be, without prejudice to other rights and remedies, available to KoPT under the contract and law.	No change
Payment Schedules and Milestones	As per RFP	No change
New Clause	Clause to be added. Not added in contract	No change
Site Not Ready	Clause to be added. Not added in contract	No change

Deemed Acceptance	Clause to be added. Not added in contract	No change
Title/ Risk	Clause to be added. Not added in contract	No change
Penalty Cap	Clause to be added. Not added in contract	No change
KoPT has asked for average anuual turnover of not less than INR 4.32 Crores for each of the last three Financial years ending 31st March 2016	Bidder with average annual turnover of 4.32 Crores for last three years may not have 4.32 crores turn over each year will they be qualified? Financial year 2016-2017 is aready ended and Accounts finalized by 30th April 2017, Will KoPT will accept the annual turnover of 4.32 crores for each of the last three financial years ending 31st March 2017?	Refer RFP volume II, clause 11.6, point 2
Similar Work Experience	Project Estimated cost mentioned is 14.4 Cr. = (CAPEX + (MOC*84)). What is the Estimated CAPEX cost of Project?	CAPEX cost to be submitted by bidder
	Will the Experience will be evaluated on project Estimated cost / Estimated CAPEX cost?	Project Estimated Cost
	Experience of all the Member including Prime bidder of consortium will be considered consolidated for technical evaluation, Please confirm?	Clause is self explanatory
As per SSI Letter No. 9(14)/2007-SSI(P)-I Dtd. 8th March 2011	Copy enclosed for your quick reference, Kindly consider the exemption against MSME certificate and confirm?	Please refer RFP volume II, clause 5.1 (point 3) and 5.4
LD for non compliance of SLA	To consider 1500/day	No change
Furnish PBG within 30 days	PBG within 60 days	No change
PBG of 10% on Contract Value	PBG to be 5% of Contract Value	No change
Mandatory compliance (These are the mandatory requirements. Bidder will be disqualified if he fail to comply with these requirements)	As per ISPS based Mandatory compliance (These are the mandatory requirements. Bidder will be disqualified if he fail to comply with these requirements)	No change
RFID specifications	Open ended Brands to be mentioned	No change
RFID Transceivers	Open ended Brands to be mentioned	No change
UHF RFID	Open ended Brands to be mentioned	No change
HF RFID	Open ended Brands to be mentioned	No change

Hand Held Terminals	Open ended Brands to be mentioned	No change
Smart Card Printer	Open ended Brands to be mentioned	No change
DC & DR	Open ended Brands to be mentioned	No change
Port Server	Open ended Brands to be mentioned	No change
Gate Servers	Open ended Brands to be mentioned	No change
Boom barrier	Open ended Brands to be mentioned	No change
Flap Barrier	Open ended Brands to be mentioned	No change
RFID R/W	Open ended Brands to be mentioned	No change
Bullet Camera specs	LG The Bullet web camera specs given in the tender is not suitable for the functionality. The specifications given are for the High end surveillance cameras where the web camera's functionality is to take the pictures of the users while enrolment. Request you to change the specs to some digital web cameras like Intex, Logitech, etc.	No change
Flab Barrier specs	Request to replace Flab barriers with Tripod/Turnstiles which are best suitable for Port Environment	No change
	Turn over means total turn over of the organisation. Kindly confirm	Yes
	Details of e-Governance projects under AADHAR (UIDAI / NPR AADHAR).	UIDAI / NPR AADHAR implementation will be considered
	In the project of AADHAR / Driving licence the order is given on the unit rate . So for credential what document need to be submitted.	In case of order is given on the unit rate, the total cost will be calculated by multiplying the unit rate with total number of such units
	In e-Governance projects under Socio Economic Caste Census (SECC) is acceptable.	No
	As per RFP :- Only Project Citations in- progress ongoing long duration /completed in the last 7 financial years will be considered for evaluation.	Citations in the last 7 financial years for year ending March 2017 will be considered for evaluation

	Kindly clarify that the cut year for consideration will be 2008-2009	Citations in the last 7 financial years for year ending March 2017 will be considered for evaluation
	We also request you to provide clear 21 days time for submission of the bid from the date of publication of Pre Bid queries	Refer to amendments
The Bidder (the Prime Bidder in case of consortium) should have an average annual turnover of not less than INR 4.32 Crores for each of the last three financial years ending 31st March 2016.	Please clarify whether the "Turnover" Requirement is for Rs. 4.32 Cr. **each year** Or **average** over the last three years?	Clause is self explanatory
Even though Port provides the network, the vendor should consider network failures and design the system in such a way to have minimum or no downtime. Failure of network should not be claimed as reason for breach of SLA.	Do the SP's need to maintain redundant / fallback internet or network connectivity with central server?	KoPT network has its own redundancy mechanism. However, for maintaining SLA, bidder may conduct the site study to understand and finalize the requirements before submission of bid
The Service Provider shall make necessary arrangement for management reports, dashboards, business intelligence tools, SMS gateway, Online payment gateway, online e-wallet and Data migration in line with the expectations of users provided in the functional requirements.	Does the SP have to consider SMS gateway cost also in the financial quote?	Yes

KoPT is implementing the RFID based Port Access Control System (PACS) to achieve the following broad objectives: RFP for the implementation of RFID based Access Control system at KoPT Page 6 of 48 ••Enhance operational efficiency through reduced labour intensive workflow processes ••To have systematic and secured entry, movement & exit of men and vehicles ••Augment and strengthen the security at all the gates and within port premises ••To automate and speed up movement and activity within ports ••To generate visibility of activities within and around gates/port area ••To control the access/movement to authorized time & zones ••To track every movement of vehicle across the port ••To trace each movement and alert on anonymous pattern of activity ••To record all movements of individuals & vehicles to create verifiable historical audit trail ••To prevent revenue leakage and any malpractices at the gates ••To comply with the International Ship and Port Facility Security (ISPS) code	'To have systematic and secured entry, movement & exit of men and vehicles'- **Secured entry of men? Or through RFID?**	Objective is to automate entry & exit of traffic consisting of both men and vehicles through implementing RFID based solution

Procurement, installation, configuration and commissioning of central servers for hosting the proposed RFID based Access Control System in the Disaster Recovery Center. ••Implement the RFID solution using the existing KDS-KoPT network wherever available. Else, procure, install, configure and commission a wired and wireless network to connect all the required pass issuance counters, gates and port premises. Feasibility and requirement study should cover the network requirement study also. ••Create and maintain comprehensive master database for the RFID based Access Control System. ••Testing of the application developed and deployed and taking sign-off from the KoPT. ••Change Management and Capacity Building including Training of users for effective use of the system ••Comprehensive Operation and Maintenance of the entire RFID based Access Control System infrastructure including networking, if done by the Service Provider, for a period of 07 (Seven) years, from the date of Go-live. The maintenance includes RFID based security solution maintenance, IT infrastructure maintenance, network maintenance, system administration, security administration, database administration, end-user problem resolution and staffing the sufficient resources. ••Setting up and O&M support of a total Ten (10) pass issuance counters, which includes manning the counters, at Subhash Bhawan, Kidderpore Dock, Port Security Office and Budge Budge during the 1styear of operations. ••O&M support of only 3 counters, at any of the above four locations, which includes manning the counters, from the 2nd year onwards till the completion of contract.	Set up new network if required? Please clarify	Establish network wherever existing KoPT network (KDS-Net) is not available/ feasible

Setup, Operate and manage enrolment counters with adequate number of photo capturing web/digital cameras, computers and servers, Digital printers, RFID reading and/ or writing devices 32" LED screens and other accessories, and software (operating system and applications) for issue of dock entry permits to visitors and vehicle so that the complete infrastructure is in sound and good working conditions. ••Supply and Issue of Contactless Mifare cards as per requirement. The cards supplied shall be with the holder and lanyard. ••Supply of consumables like Print Heads , cartridges , cleaning cartridges, and other consumables required for printing on RFID cards ••Maintaining the RFID Access control System and complete solution throughout the year on around the clock basis (365 x 24x7) during the currency of contract. ••Personal Computers shall be provided at different locations for operation of Access Control System for various verification and online approval. ••The Port Access Control System and solution should be maintained in such a way that there is minimal downtime and minimal breach of SLAs ••The works mentioned are illustrative and not exhaustive and bidder may have to carry out any other works related to access control system, issue of permits, vehicle tracking system and other components which are not explicitly included above but are implied by nature. The entire system shall be operated round the clock. ••Technical manpower resources including IT support executive, repair technicians, etc. shall be provided by the Service Provider. ••The complete permit issuance process should be online. The details shall be updated to the central server through the network connectivity provided by the Port. ••The service provider shall supply, install and commission the entire infrastructure required at Data Centre, which is planned to be	Network will be provided by port? Contrary to above point 7	Establish network wherever existing KoPT network (KDS-Net) is not available/ feasible

set up at Subhash Bhavan and Disaster Recovery Centre which is planned to be set up at HQ.		

The service provider shall supply, install and commission the entire infrastructure required at Data Centre, which is planned to be set up at Subhash Bhavan and Disaster Recovery Centre which is planned to be set up at HQ.	Is Network connectivity between DC & DR? This scope comes under whose scope?	Connectivity is being provided by KoPT
Even though Port provides the network, the vendor should consider network failures and design the system in such a way to have minimum or no downtime. Failure of network should not be claimed as reason for breach of SLA.	Backup network available or not? Should the backup network be in scope of vendor?	Connectivity is being provided by KoPT

2.3.2. Supply, installation, implementation, configuration, integration and testing of RFID Based Access Control System together with relevant system software ••The Service Provider shall deploy a dedicated team experienced in installation, configuration, integration, testing, implementation and deployment of the proposed RFID Based Access Control System at KoPT o Configuring the third party built-in applications, development of interfaces wherever and whenever necessary. o Service Provider shall ensure that the proposed RFID Based Access Control System provides adequate interfacing mechanisms (both at the application and data level) with a view to future integration. Such interfaces shall follow industry standards such as Application Programming Interface (API's) and web services.o Service Provider shall supply and install the application and related software, integration tools, along with the customized source code and requisite perpetual licenses for RFID based security application. The tentative Bill of Material is provided in Annexure V. o Service Provider shall design the hardware configuration in line with contemporary principles and ensure that it comprises various servers including database, application, web servers etc. o Service Provider shall consider stakeholder inputs when they are finalizing all processes including user interfaces, mode of data entry, storage and retrieval, output reports, queries and the application design as a whole. o The system must have easy-to-use user interfaces, perform tasks with minimum clicks, quick links (maximum select options and provide suitable short-cuts) wherever possible along with Help screens. o The system shall provide services through online also so that the visitors need not to visit the counter for availing the services like applying for permit, renewal of permit, collection of pass fee etc. o Service Provider shall create and manage all necessary master	Wireless protocol permissions under whose scope? WPC license needs to be procured?	Bidder to use license free frequencies for establishing Wi-fi

files for the proposed RFID based Access Control System. o Service Provider shall create and manage the complete set of Geo-spatial database required for the vehicle tracking system.		

Service Provider to setup a command control centre at Subhash Bhawan to centrally monitor the traffic movements and should have following indicative features: ••View of each gate should be consolidated on the central display device at Command centre. ••Feature to pull-up individual gates for scrutiny based on requirements ••Feature to remotely zoom cameras if required ••Feature toalert officials at the gates on requirement o A 32" LED monitor to be installed in the chamber of the Traffic Manager, KoPT for viewing the activities like Access Control and Vehicle Tracking within Dock. Necessary client software to view the activities in real time mode should be supplied. ••Compliance to Standards o Service Provider shall ensure bilingual (English & Hindi) support and other relevant standard formats for display, Printing and transmission of data. o Service Provider must ensure that the technology components adhere to flexibility, interoperability, usability, availability, manageability, security and integration standards o Service Provider shall ensure adherence to all relevant standards as defined and notified by regulatory bodies. ••Deployment Architecture o Service Provider shall ensure deployment of servers and commissioning of application at the Data Center which would be setup by Service Provider at Subhash Bhawan at KoPT premises and Disaster Recovery Center which would be setup by Service Provider at Head Quarters.. The deployment of application shall follow and comply with contemporary principles of Information Security Management System (ISMS) i.e. ISO 27001. Service Provider shall ensure the deployment of management and monitoring tools like Project Management, Application Performance	Who will MAN the Command control centre?	Service Provider

Compliance to Standards o Service Provider shall ensure bilingual (English & Hindi) support and other relevant standard formats for display, Printing and transmission of data. o Service Provider must ensure that the technology components adhere to flexibility, interoperability, usability, availability, manageability, security and integration standards o Service Provider shall ensure adherence to all relevant standards as defined and notified by regulatory bodies.	Transmission of data- Bilingual? Please clarify?	Transmission/ storing/ viewing/ displaying/ printing of data between or on various devices
2.3.6. Create and migrate the complete master database required for the functioning of the RFID based Access Control System. ••The master database is a critical component of the system. This should store unique datasets which are to be used across application. ••Master Data is a single source of basic data used across multiple systems, applications, and/or processes. ••Service Provider shall identify and provide the set of master data required for the functioning of the proposed RFID based Access Control System and shall create the master data. Port will provide the required data to Service Provider in the format that is available with the port	Please define the format of master data available? Expected is the softcopy in a managed format.	Master data will be provided in soft copy

2.3.7. Create and manage the complete Geospatial database required for tracking the vehicles. ••Geo-spatial database is the base data required for any vehicle tracking system. ••Service Provider shall identify and define an appropriate co-ordinate system for the Geo-spatial database and creation of the GPS tracking application. ••KoPTwill provide the maps related to Port, wherever vailable, as input data for the creation of Geo-spatial database. Service Provider shall define the method of conversion of maps into Geo-Spatial database. However, Service Provider shall be responsible for the accuracy of the Geo-spatial data ••Wherever the maps are not available, Service Provider shall identify the alternate means of creation of data (Ground Survey, DGPS survey, Satellite Imagery based survey etc.) and generate the data. ••The data shall be managed by the Service Provider through the project period. If any changes are made on ground, the same shall be updated in the Geo-spatial database. ••Design, develop and deploy an application that can depict the position and movement of the vehicles within the port area. ••Supply of the GPS enabled Vehicle tracking devices/modems are not in the scope of the bidder. However, Service Provider will be responsible for providing GPS enabled Vehicle tracking devices/modems to the concerned users on actual payment basis if the users require so. Hence, to have uniformity, specification of the GPS devices/modems should be specified in bid/ offer document. GPS devices should function based on both Wi-fi connectivity and/ or SIM based connectivity. Concerned users, if desire, may arrange for the said devices	GPS on Wi-Fi - **Please clarify the Wi-Fi foot print and bandwidth available @site**.	Refer to Network layout - Annexure 1

on their own based on the mentioned specification by Service Provider. Service Provider		

Test Zones The RFID based access control system must be separated in to areas of focus, referred to as test zones. These zones are representative of functional areas and may cross hardware boundaries. The Service Provider shall submit his proposals for the test zones to KoPT Authority for acceptance and these approved zones will serve as the basis for testing. KoPT have a number of divisions of functionality, which must be covered in the test procedures.	Not understood, please clarify.	Small units/ components designed for testing scenarios that replicate real life operations of Port
	What protocol of RFID is proposed to be used? -FOR CARDS? -FOR TAGS & READERS	Please refer to RFP Annexure II
Even though Port provides the network, the vendor should consider network failures and design the system in such a way to have minimum or no downtime. Failure of network should not be claimed as reason for breach of SLA.	As the network is provided and managed by the Port, how can the Vendor be penalized for the same not being functional. Request you to delete this Clause.	KoPT network has its own redundancy mechanism. However, for maintaining SLA bidder may conduct the site study to understand and finalize the requirements before submission of bid
PACS software should have the feature to calculate the total time taken for each pass issuance. Pass issuance time will be calculated from the time issue process was initiated by the pass issuance resource till the time pass was printed. Software should be able to provide system generated monthly reports on such pass issuance time.	The pass issuance process has multiple steps like Port User Applyng for Pass -> Approval from Port -> Online Payment -> Generation of E-Bill -> Issuance of Pass at Counter at Port Gate. We assume that the time to be measured is for the last step of Pass Issuance. Kindly clarify.	No change
PACS application should provide a system generated monthly report on the total time taken by the application to verify a pass.	Pass Verification is instantaneous and it would be very difficult to provide any system generated monthly report on the Pass Verification time. Request you to delete this Clause.	No change
PACS application should provide a system generated monthly report on the total number of passes that were not read.	If the pass is not read by the System then how will it provide a system generated report on the same? Request you to delete this Clause.	No change

Feature to alert officials at the gates on requirement	How is the Alert expected? System can generate Alert and anyone logged into the system will be able to see the alert. Or is the Alert required by Email/SMS?	System should generate alert on the gate level system using sound, icons and colours which is easily identifiable
Service Provider shall ensure bilingual (English & Hindi) support and other relevant standard formats for display, Printing and transmission of data.	Bilingual (English and Hindi) printing of the pass is possible. Bilingual display and transmission of data is not possible. Request you to modify this Clause to only "Support for printing the pass in English and Hindi".	No change
Service Provider shall ensure deployment of servers and commissioning of application at the Data Center which would be setup by Service Provider at Subhash Bhawan at KoPT premises and Disaster Recovery Center which would be setup by Service Provider at Head Quarters.. The deployment of application shall follow and comply with contemporary principles of Information Security Management System (ISMS) i.e. ISO 27001. Service Provider shall ensure the deployment of management and monitoring tools like Project Management, Application Performance Monitoring, Version Control (software as well as document), issue tracking tools etc.	Kindly provide a comprehensive list of Tools required for management and monitoring at the DC.	Bidder should conduct a site study for ascertaining actual requirements and then submit the bid accrodingly
KoPT will provide the space; power (General Power) for setting up of Data Centres (DC and DR). The Data Centres shall be set-up by the service provider as per industry best practice for similar type of organization.	Is the Service provider expected to furnish the Data Centres as per industry standard practices? Kindly provide the area in sq.ft for both DC and DR.	1. The approximate floor size of the DC & DR is 500 sq. ft. each. 2. The following infrastructure to be setup in the DC & DR: False roofing, raised flooring, lighting & fixtures, fire extinguishers, air conditioning, physical security

Service Provider shall be responsible for setting up of Disaster Recovery centre at Kolkata Port Trust Head Quarter Building at 15, Strands Road, Kolkata.	What is the connectivity available between DC at Subhash Bhawan and DR at KoPT HQ? Is the required infrastructure like UPS, Furnished Room, Tables and Chairs, Server Racks, AC's etc. available at DR site or the Bidder has to provide?	1. The approximate floor size of the DC & DR is 500 sq. ft. each. 2. The following infrastructure to be setup in the DC & DR: False roofing, raised flooring, lighting & fixtures, fire extinguishers, air conditioning, physical security 3. For network layout, refer network layout in amendments (Annexure 1)
KoPT will provide the maps related to Port, wherever available, as input data for the creation of Geo-spatial database. Service Provider shall define the method of conversion of maps into Geo-Spatial database. However, Service Provider shall be responsible for the accuracy of the Geo-spatial data. Wherever the maps are not available, Service Provider shall identify the alternate means of creation of data (Ground Survey, DGPS survey, Satellite Imagery based survey etc.) and generate the data.	It will be very difficult and time consuming for the Service Provider to do a Ground Survey to create maps. The same should be provided by KoPt and will be used by the Service provider. Request you to kindly amend the Clause accordingly.	No change

Supply of the GPS enabled Vehicle tracking devices/modems are not in the scope of the bidder. However, Service Provider will be responsible for providing GPS enabled Vehicle tracking devices/modems to the concerned users on actual payment basis if the users require so. Hence, to have uniformity, specification of the GPS devices/modems should be specified in bid/ offer document. GPS devices should function based on both Wi-fi connectivity and/ or SIM based connectivity. Concerned users, if desire, may arrange for the said devices on their own based on the mentioned specification by Service Provider. Service Provider should develop the GPS tracking application which is compatible with all standard GPS devices available in the market	GPS enabled Vehicle tracking devices do not work on a standard communication protocol and are hence not inter-changeable with devices from other OEM's. It is therefore not possible for the GPS Tracking Application to work with devices/modems from different OEM's. The device/modem and the GPS Application have to come from the same OEM for the whole solution to work seamlessly. Aside, Map creation is a big and time consuming job. Considering the above practical constraints, Vehicle Tracking should be removed from the RFP or else the specs have to be changed.	No change
	Which items in the BOQ would require to undergo the Prototype Approval process? All items mentioned in the BOQ are Commercial products from different OEM's and it would not be possible to make any changes to these during or after the Prototype Approval process.	No change
	Sections 2.3.8.9 and 2.3.8.10 mention SAT although these are listed as a sub-section of FAT. Also these tests like Boundary Testing and Limit Testing can only be done during SAT once the system is completely installed and commissioned.	No change

Average time take for issue of pass to vehicle <60 Sec Average time take for issue of pass to individual <75 Sec	This time frame is too short since Pass Issuance will require taking a photo of the individual and then printing out the Pass. Since this is highly dependent on manual positioning of the individual for taking a photograph the proposed time is too short. We request you to revise the same as below Average time take for issue of pass to vehicle <90 Sec Average time take for issue of pass to individual <120 Sec Even with these timings the system will generate 40 vehicle passes per minute and 30 individual passes per minute. With 10 counters this will come to 400 Vehicle passes and 300 Individual passes per hour, which should easily be able to handle the current Port traffic.	No change
Average monthly pass generation failures <30. PACS application should provide a system generated monthly report of the number of transactions failed.	What is meant by transaction failure? Transaction failures may happen due to internet connection issues. Since this is beyond the scope of the Contractor and/or beyond his control how can the Contractor be penalized for the same.	No change
Average time take for verification of pass of vehicle and individual <2 Sec	Kindly explain in detail what is meant by Pass Verification? Does it mean time taken to Open the Barrier once the Pass is read? If yes, it has to be exclusive of the Barrier Opening time which itself will be more than 3-4 seconds.	Pass verification time is excluding barrier opening time
Average monthly pass verification failures <5. PACS application should provide a system generated monthly report on the total number of passes that were not read	If the pass is not read by the System then how will it provide a system generated report on the same? Also penalties are too high. They should be capped at 10% of the monthly payment max.	No change

Average time for resolution of issue <4 Hours. Average Resolution Time - Penalty as percentage of the total invoiced amount for that month. Compliance with SLA - 0% >5 Hrs and < 7Hrs - 2% >7 Hrs and <8 Hrs - 5% >8 Hrs and <10 Hrs - 10% >10 Hrs - 25%	Considering that most of the Equipments would be outdoor in a Port environment, the resolution time of 4 hrs is too less. Also the penalties are very high going up to 25% for > 10 Hrs. This way even if one equipment is down for > 10 Hrs the Contractor stands to loose 25% of his monthly payment. The Contractor will never earn anything in such a scenario. We propose the following <= 8 Hrs - 0% >8 Hrs and < 16Hrs - 2% >16 Hrs and <24 Hrs - 3% >24 Hrs and <48 Hrs - 5% >48 Hrs - 10%	No change
The issued card shall have a life of at least 7 years and shall be replaced in case the card becomes dysfunctional within 7 years from the date of issuance of card to the users	What if the Card becomes dysfunctional due to Physical damage by the User. E.g. Bending or mutilation of Card	Please refer RFP volume 1, clause 2.3.11, point g
As the driver's cabin height of heavy vehicles and light motor vehicles etc. Are different, placement of RFID card reader(s) needs to be made such that flashing of card at the reader is easy for all types of vehicle drivers.	Separate Readers would be required for heavy vehicles and light motor vehicles. If these are not provisioned in the BOQ, will KoPt pay additionally for the same. Since these are short range RFID HF Cards they can only be read from a distance of about 5-7 cms.	Clause is self explanatory
Due to the lack of space at the gates, some of the gates are used both for the entry and exist through a single lane and at some of the gates one either entry or exit	Are 3 Cameras per lane required both for Entry and Exit or only for Entry.	Sufficient cameras need to be placed for entry and exit lanes
CISF/ PSO personnel standing at the gate will see authorized person & vehicle image on the PC display screen	Individual image is captured during Enrollment and can be displayed on LED screen, but Vehicle image is not captured during Vehicle enrollment. So how is this image to be displayed?	Please refer RFP Annexure I, clause 1.6

In case where payment from the user is debited but payment confirmation is not received, the payment gateway should refund the complete amount to the user's bank account from which the amount was debited. In case of multiple debits from the user's bank account, payment gateway should refund such extra amount debited back to the user's bank account.	All refund transactions would require manual intervention and an approval process to ensure correctness and that the provision is not misused.	No change
The access to Port Access Control System will be highly secured with a mobile based OTP authentication for key processes	Port Users will not have any access to the Port Access Control System. Only Port Officials - Traffic and Operations dept will have access to the Port Access Control System. Also the Port Access Control system cannot be accessed from the Internet. It can only be accessed from within KoPt over KDS-NET (Intranet). Is OTP based authentication required for these users?	No change
All users including CFS/ICDs, Authorized Pass Issue Centers, Registered Companies, etc. will access the system after keying in OTP based authentication key. OTP should be valid for a particular session or process	The Web based Pass Issuance system has password based authentication for all Port Users. The addition of OTP based authentication will increase the time taken for the Port User to Login to the system to request for passes. Request you to remove OTP based dual authentication for the Port Users.	No change
Highlight congestion areas for authorities to take corrective measures		Bidder should conduct a site study for ascertaining actual requirements and then submit the bid accrodingly

The system should also be integrated with the application that is going to be deployed by the Kolkata Police for tracking the vehicles outside the port area	GPS based Vehicle tracking devices use proprietory communication protocols over GPRS to talk to the Vehicle tracking application, even though GPS is a worldwide standard. Hence it would practically not be possible to track vehicles having an incompatible GPS device. Request you to kindly remove this clause from the RFP.	Please refer RFP volume 1, clause 2.3.7, 7th bullet point
Spot checks can be carried out by reading the RFID passes of users and RFID tags on vehicle	This requires the Handheld Reader to work at both 865~867 Mhz as well as 13.56 Mhz frequencies. There is no Handheld Reader with the required specification available which is also IP65.	No change
Service Provider to create Wi-fi connectivity near all such locations where HHTs are to be used by officials	Can you kindly identify the locations where HHT will be used by Port Officials and where Wi-Fi connectivity needs to be provided. Who will provide backbone connectivity if KDS-NET is not available at that point?	KoPT network has its own redundancy mechanism. However, for maintaining SLA, bidder may conduct the site study to understand and finalize the requirements before submission of bid
Cameras are to be mounted for capturing front and back of the container/vehicle	In most cases the front of the Container is blocked by the Trailer Cab. So it may be difficult to capture the image of the front of the Container. Also in cases where two 20ft Containers are loaded back to back, it may not be possible to capture the rear side image of the first Container.	Container's image capturing is only to identify damage/ breaks/ open or closed door, etc.

The picture analysis tool of the system should be able to analyse the image and identify simple situations like the door of the container is open/not closed properly, the container is broken, etc.	This requires very high end Analytics which are not easily available. Even then the accuracy of such an analysis would not be above 70-80% in real life situations under different lighting conditions at day and night. A lot of false alarms would be generated. A live video stream can be provided to CISF/PSO for doing a manual analysis of the same. This will be more effective and will not generate any false alarms.	No change
Operator login and access shall be via integrated smart card reader and password protection	This will require a USB Card Reader to be provided on each PC from where the Operator will login. If the same has not been provisioned in the BOQ then will KoPt pay additionally for the same. If not, then kindly indicate how many Operators will be using the system.	Bidder should conduct a site study for ascertaining actual requirements and then submit the bid accrodingly
Each vehicle entering the port premises should have a GPS based mobile communication device with pre-defined entry/ exit zones, accessible areas/route maps, etc.	All vehicles should use the same GPS tracking device to enable the Vehicle to be tracked once it enters the port premises. GPS tracking devices use proprietory protocols over GPRS and cannot work inter-changeably with other devices. Also the GPS device has to be pre-registered and tagged to the Vehicle pass to allow seamless tracking once it enters the port.	No change

The minimum required fields are as follows: a. Transaction Sequence Number b. Chip Serial Number/Unique ID c. Date d. Time e. Gate f. Lane g. Allowed/Denied h. Privileges Granted with short codes wherever applicable i. Colour codes j. Person Image/Vehicle Image k. Vehicle Tag l. Vehicle License Plate &Class m. Container Image ID n. Image (in case of a violation transaction) o. Shift p. Security Person Id at the gate	Kindly clarify these are the minimum required fields for which item. Also some of the fields mentioned are never captured and may not be possible to provide like i. Colour codes - ??? Pls explain in detail k. Vehicle Tag - What is this? Kindly clarify l. Vehicle License Plate & Class o. Shift p. Security Person Id at Gate	These are tentative list of details that may be required for various kind of passes
This device shall be connected with the server through a USB port and shall be of any reputed make with service and support availability in India and of RAID configuration	Which device? Kindly elaborate.	Refer to amendments

This device shall contain all the archived data on a monthly basis after the 10 year retention period. It shall be possible to restore a COPY of the archived data for selected months to the live database as and when required and can be removed immediately after it serves its purpose. Since, this data is to be utilized only for reporting purposes, all the transaction and related data shall be retained in the Archive until the end of contract period	Which device? Kindly elaborate.	Refer to amendments
The system shall be designed using Open interface architecture at all levels of hardware used. In future, it shall be possible for the KoPT to change any make / model of any hardware without dependency on the bidder	Access Control Systems do not have any industry standard interface/protocol allowing inter-operability between different makes and models. So this is not possible. Any new Make or Model will require changes in the Software interfaces related to those devices.	No change
The system should be off-the-shelf (OTS) and ready to Implement in KOPT		No change
RFID based Internal Tracking of Equipment, Container, Vehicle,& Visitors within the Port premises.	RFID based internal tracking is possible only by installing fixed RFID Readers at various locations inside the Port. Also only Vehicles with RFID Tags can be tracked from a distance of 4-5 meters from a defined path/road. If the Vehicle detours from the defined path, it cannot be tracked. Visitors cannot be tracked since they will be issued with short range HF RFID Cards.	RFID system is expected to provide location details of a tag as and when it comes in contact of a reader. Also, system should generate alert after the time period expiry, if the same has not be flashed at an out gate or has been flashed at a un-authorized gate
Conveniently available Pass Collection Counters including third party such as (ICDs, CFS, e-Governance Centers, Authorized Centers, etc.)	All these Centres would require some minimum infrastructure to be able to issue passes like PC, Printers, Web Camera, RFID Cards, RFID Tags etc. Is this in the scope of the Service provide, since the BOQ does not mention the same.	They're envisaged as future project enhancements for cash collection/ remittance centres and not pass issuance centres

Provision of rules to generate alerts by email, SMS, or Phone Call	Alerts can be provided using Email and SMS. How can we provide alerts over a phone call? Kindly clarify. Request you to amend the Clause accordingly.	No change. Alerts over phone can be through operators or CISF/ PSO officials
Tracking of each and every individual, vehicle, visitor across Port area	This is not possible as individuals and visitors are provided with a short range (5-7 cms read range) RFID Card. Request you to kindly delete this Clause.	This is a reporting requirement
Container Reader & 3D Capture Interface Modules	Kindly elaborate on what is Container Reader. There is no such item in the BOQ. Also please explain 3D Capture Interface module in detail.	This a software requirement feature which may be used in future
RFID Pass should be linked to Aadhaar biometrics	Kindly explain in detail what is expected in this functionality.	To be used as other verification/ authentication mechanism
Handheld based spot checking with Aadhaar database	Biometric Authentication with Aadhar database requires registration with UIDAI as an AUA or ASA. IS the Port registered as an AUA with UIDAI?	To be used as other verification/ authentication mechanism
Provision to update & renew card using kiosk	The kiosk does not have a Smart Card printer. So how can the Card be updated or renewed through the Kiosk? Pls explain the process in detail.	RFID system should have the feature/ provision. The same can be used by Port in future based on requirements
Provision to track assets & equipment over longer distances	Kindly elaborate on how assets are proposed to be tracked over longer distances?	RFID system should have the feature/ provision. The same can be used by Port in future based on requirements
Offline comparison of man, material images captured by cameras	This will be a manual process. It is not possible to automate the same. Kindly explain what functionality is desired?	Offline processing mean, the processing of the images captured and stored in the server.
Alerts when images are not consistent	Kindly explain in detail what is expected in this functionality.	Offline processing mean, the processing of the images captured and stored in the server.

The card shall offer a memory size of 8K-Bytes or 16K-Bytes for applications	Contactless Cards compliant to ISO14443A (Mifare) come in either 8K-bits or 32-K bits. Elsewhere you have asked for 4K-bytes Mifare Cards. Request you to kindly amend the specification accordingly.	No change
The card shall be programmable with one or more Secure Identity Objects (SIO) for each application	SIO is a proprietory HID technology. It is not supported by Mifare Contactless Cards. Hence request you to delete this clause.	Refer to amendments
The card shall include multi-application support for on-card database application with a firewalled architecture (to ensure data separation between applications). To increase return on investment, the default application can be updated to support other services without card replacement.	Mifare Contactless Cards do not support a firewalled architecture. Hence request you to delete this clause.	No change
Frequency Range : 865-867 MHz and 13.56Mhz. Should be able to read both UHF and HF RFID cards	Almost all UHF Long Range handheld readers do not support both HF and UHF Cards on the same Reader. A separate Reader would be required for reading HF Cards. Request you to amend this Caluse accordingly.	No change
The Blade Chassis with Dual process Socket Half Height Blade Servers	The Gate Server specifications ask for a Blade Server with Chassis at each Gate. These will be installed in Porta Cabins to be provided by the Bidder. Blade Servers require a very controlled environment to function without any problems. They are not recommended to be installed in such an environment. Also the Gate Server does not require such a high specification Server. Request you to amend the Specifications to a standard Rack Server.	No change

	The specification is for a fixed Bullet Camera. This cannot be used as a Web Camera for capturing the Visitors/Port Users photo during Enrollment. Request you to kindly amend the specification to a normal Web Camera specification which can be used for enrollment.	No change
Application : OutDoor	Flap Barriers are meant for Indoor applications. Turnstiles are recommended for outdoor applications.	No change
Lane Width : a. Regular Lane : 520mm b. Wide Lane : 900mm	Is a Regular Lane Width barrier required or a Wide Lane one? Kindly clarify since there is a huge difference in the commercials.	Bidder should conduct a site study for ascertaining actual requirements and then submit the bid accrodingly
	Will KoPT provide a) Waybill ? b) 'C'- Form ?	No
	What will be the tax chargeable once / if GST is enforced ?	Refer RFP volume III, clause 4.3
Tender schedule	Please allow at least 3 weeks time between uploading "Clarifications" & Bid Submission Due Date"	Refer to amendments
Pre-qualification criteria	We have successfully commissioned and currently operating RFID based Port Access Control and Tracking System at Haldia Dock Complex, Kolkata Port Trust. The project value estimated by Haldia Dock Complex is INR 27.8Cr. However as RFID based Port Access Control & Tracking System is latest mandate from Ministry of Shipping, we have operations period of 2 months only. However we will be submitting successful commissioning & performance certificate from the client. We will also be able to submit independent certifying agency certificate on our installation and commissioning. We request your kind consideration of the Haldia Dock Complex RFID PACTS project towards our eligibility.	1. Project should have been completed, or 2. Project should have gone live and completed one year of O&M support

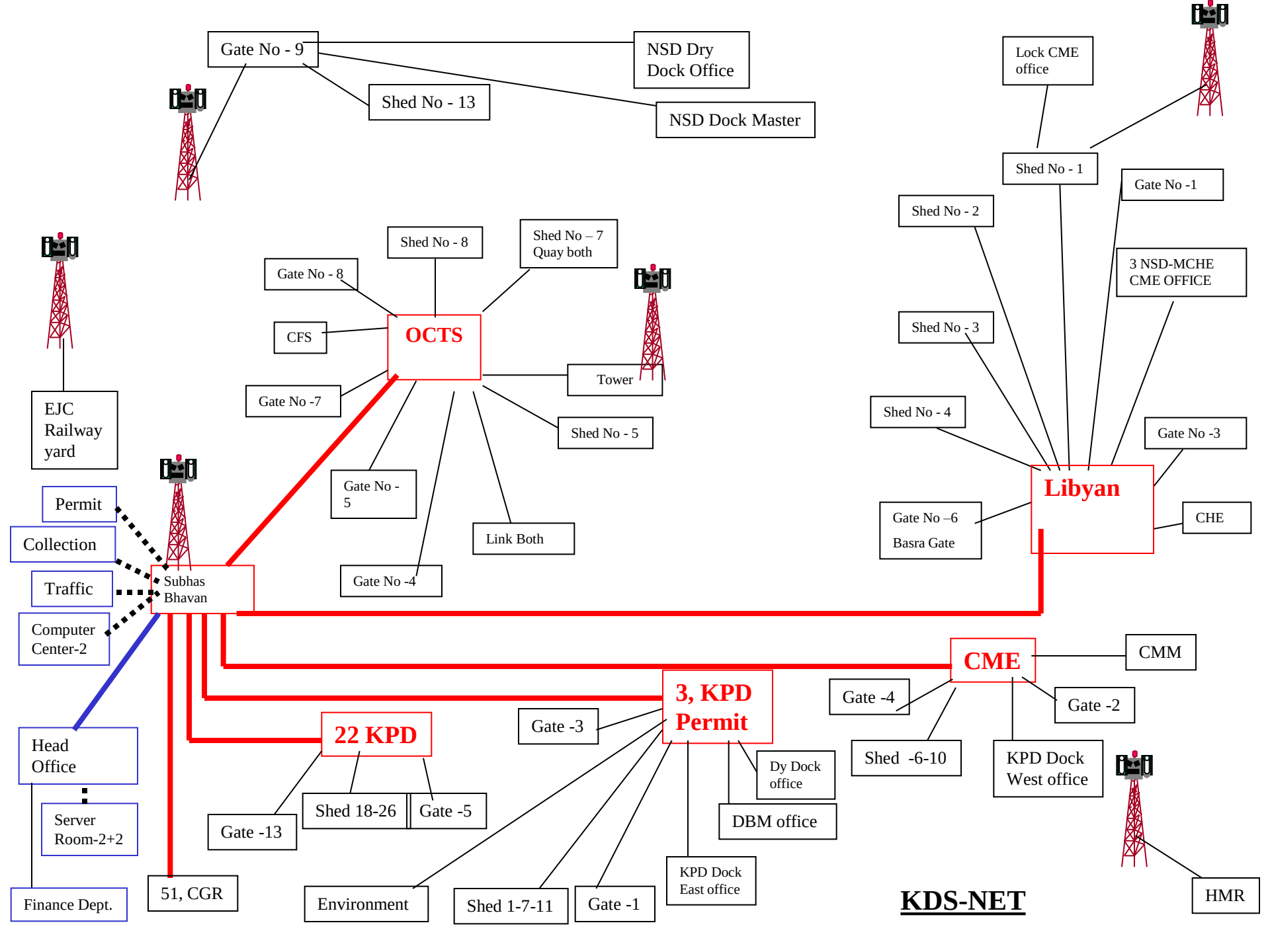
Overall scope of work	For the initial period of 1 year, 10 counter operations 24/7 will require about 36 manpower (including relievers). However after a year, for operating 3 counters, manpower will have to be significantly terminated. This might be difficult considering the socio-political situation in the Port area. Could KDS provide support during initial 1 year by allowing it's operators to be lent to service provider?	No change
Tender schedule	As the project is complex involving expertise of RFID, GPS, Networking, Project Management, Manpower Management, & Financing, request Port to extend consortium from 2 to at least 3 members.	Refer to amendments
Create and manage the complete Geospatial database required for tracking the vehicles	For GPS tracking inside the Port premises, we propose to set up our own RF network for communication between GPS units and central server. We will not be using external cellular networks such as Airtel or BSNL. This will enable guaranteed functioning of GPS even when cellular network signals are weak. Further relying on cellular network service provider for any issue resolution is avoided. This enables us to provide better services. Request Port to allow us to use RF network instead of cellular network for GPS tracking.	No change
The switch should have 16 Gigabit Ports, and 4 Ports of GE for downlink and should be able to support 8 GE PoE/PoE+ Ports	This port combination has only one OEM.Please change this 8 nos 10/100/1000T and 4nos 100/1000X SFP PORTS	No change
Each switch should have 4 combo (one SFP and one Copper ports with one port active at a time) uplink Gigabit ports in addition to downlink ports.	Please change this 8 nos 10/100/1000T and 4nos 100/1000X SFP PORTS	No change

Switch should have Redundant DC input voltage with operating range: nominal 9.6 to 60VDC	8 port PoE switch require minimum 48V DC input. Please change 48V DC - 53.5V DC	No change
The switch should support SNMP over IPv6 and Syslog over IPv6	The switch support syslog for IPv4. Request you to consider for IPv4 only and remaining IPv6 feature is supported	No change
The switch should support Multicast Vlan Registration.	The switch support GVRP as it is open standard and equivalent the MVR.	No change
The switch should support for GOOSE Messaging	As per your requirement and environment, this feature is not require for any circumstance and for industrial switch this specification has indicate the single OEM.	No change
The switch should support SCADA protocol Classification Support	As per your requirement and environment, this feature is not require for any circumstance and for industrial switch this specification has indicate the single OEM.	No change
The switch should have Utility specific Smart Port across/Templates	Please let us know the purpose of this port.	No change
The switch should have MODBUS TCP/IP	As per your requirement and environment, this feature is not require for any circumstance and for industrial switch this specification has indicate the single OEM.	No change

The switch should support Dying Gasp Message support for Loss of power	For industrial switch this specification has indicate the single OEM.	No change
The switch should have On Board Failure Logging and Generic online Diagnostics	Please brief us know which kind of diagnostic require because we have so many diagnostic feature in switch.	No change
The switch should support BFD	As per our understanding the BFD protocol can detect link failure at physical level. We have different kind of protocol for similar purpose. Request you to change the specification BFD or equivalent.	No change
The switch should support CIP interface and CIP Time Sync functionality	As per your requirement and environment, this feature is not require for any circumstance and for industrial switch this specification has indicate the single OEM.	No change
The switch should support CIP Password Encryption as additional security measure	As per your requirement and environment, this feature is not require for any circumstance and for industrial switch this specification has indicate the single OEM.	No change
The switch should support Profinetv2 and ODVA industrial Ethernet/IP	As per your requirement and environment, this feature is not require for any circumstance and for industrial switch this specification has indicate the single OEM.	No change
The switch should have Industrial Automation Smart Ports	As per your requirement and environment, this feature is not require for any circumstance and for industrial switch this specification has indicate the single OEM.	No change

The switch should support Layer 2 NAT Functionality	As per your requirement the switch will be deployed to create simple lan infrastructure for outdoor environment. So the NAT features is nor require for this scenario. Please remove this point.	No change
The switch should conform to various industrial standards like EN 61000-6-1 Light Industrial; EN 61000-6-2 Industrial; EN 61000-6-4 Industrial; EN 61326 Industrial Control ; EN 61131-2	Supports EN61000-4-3 (RS) EN61000-4-4 (EFT) EN61000-4-5 (Surge) EN61000-4-6 (CS) EN61000-4-8 EN61000-4-11,EN61000-3-2 EN61000-3-3 EN61000-4-2 (ESD)	No change
Programmable Controllers	Need clarification	No change
The switch should support Parallel Redundancy Protocol	Need clarification	No change
The switch should support Routing Protocols like RIPv1, RIPv2, OSPF, EIGRP, IS-IS and BGP 4	As per our understanding the switch will be used as a access switch, so why BGP is require and EIGRP is a proprietary protocol and IS-IS is not in use.	No change
The switch should support RIPng, OSPFv3, EIGRP for IPv6, HSRPv6	EIGRP and HSRP is a Cisco proprietary.Our switch support VRRP instead of HSRP which is equivalent	No change

The Switch should sustain the Operating Temperature from - 40degree Celsius upto 75 degrees Celsius using a Fan Based Enclosure	The switch is Fanless. Please remove this.	No change
Switch should conform to following Safety Standards like UL/CSA 60950-1; EN 60950-1; ANSI/ISA 12.12.01; CSA C22.2 No 213; IEC 60079-0, -15 IECEx test report; EN 60079-0, -15 ATEX certification (Class I Zone 2)	Support EN/IEC/UL 60950-1 EN/IEC/UL 60950-22 CAN/CSA-22.2 no. 60950-1 CAN/CSA-22.2 no. 60950-22 Which is sufficient standard for Industrial switch. Please consider.	No change
FCC 47 CFR Part 15 Class A; EN 55022A Class A ; VCCI Class A; AS/NZS CISPR 22 Class A ; CISPR 11 Class A ; CISPR 22 Class A; ICES 003 Class A; CNS13438 Class A; EN55024 ; CISPR 24; AS/NZS CISPR 24; KN24 ; EN 61000-4-2	Please consider the below mentioned parameter Support CISPR 32 EN55024 EN55032 Class A EN61000-3-2 EN61000-3-3 EN61000-4-2 (ESD) EN61000-4-3 (RS) EN61000-4-4 (EFT) EN61000-4-5 (Surge) EN61000-4-6 (CS) EN61000-4-8 EN61000-4-11 FCC Part 15B, Class A	No change
Electro Static Discharge ; EN 61000-4-3 Radiated RF ; EN61000-4-4 Electromagnetic Fast Transients; EN 61000-4-5Surge; EN61000-4-6 Conducted RF ; EN 61000-4-8 PowerFrequency Magnetic Field ; EN 61000-4-9 Pulse MagneticField ; EN 61000-4-11 AC Power Voltage; EN 61000-4-18Damped Oscillatory Wave; EN-61000-4-29 DC VoltageDips		No change
The switch should have USB console Port	We have dedicated console and USB port for different purpose. Please consider	No change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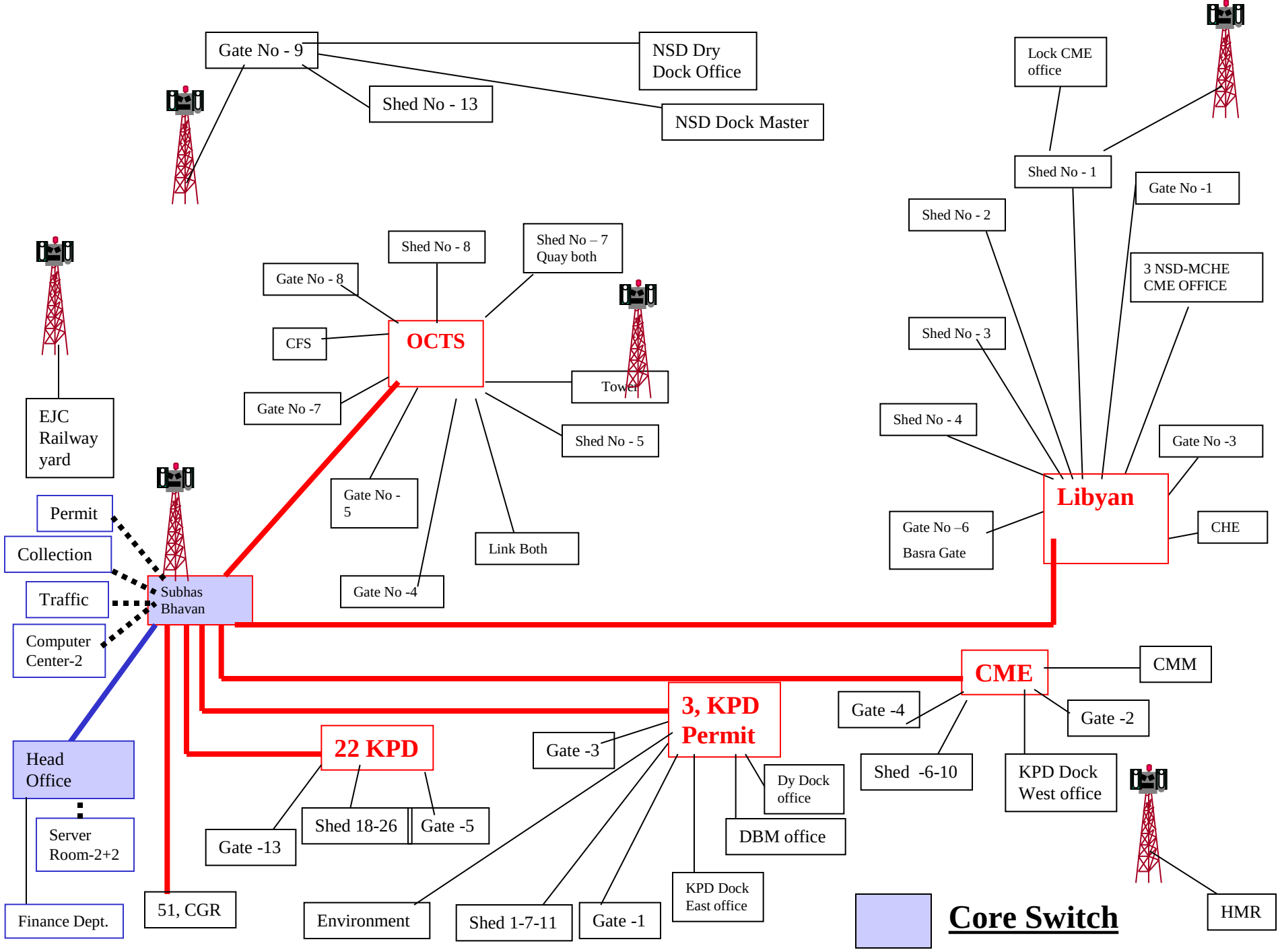
Shed No - 13
NSD Dock Master
Lock CME office
Shed No - 1
Gate No -1
Shed No - 2
3 NSD-MCHE CME OFFICE
Shed No - 3
Shed No - 4
Gate No -3
Libyan
Gate No –6 Basra Gate
CHE
Shed No - 8
Shed No – 7 Quay both
Gate No - 8
CFS
OCTS
Tower
Gate No -7
Shed No - 5
Gate No - 5
Link Both
Gate No -4
EJC Railway yard
Permit
Collection
Traffic
Computer Center-2
Subhas Bhavan
CME
CMM
Gate -4
Gate -2
3, KPD Permit
Gate -3
22 KPD
Shed -6-10
KPD Dock West office
Dy Dock office
DBM office
Gate -13
Shed 18-26
Gate -5
Head Office
Server Room-2+2
Finance Dept.
51, CGR
Environment
Shed 1-7-11
Gate -1
KPD Dock East office
HMR
KDS-NET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DBM office
Head Office
Server Room-2+2
Finance Dept.
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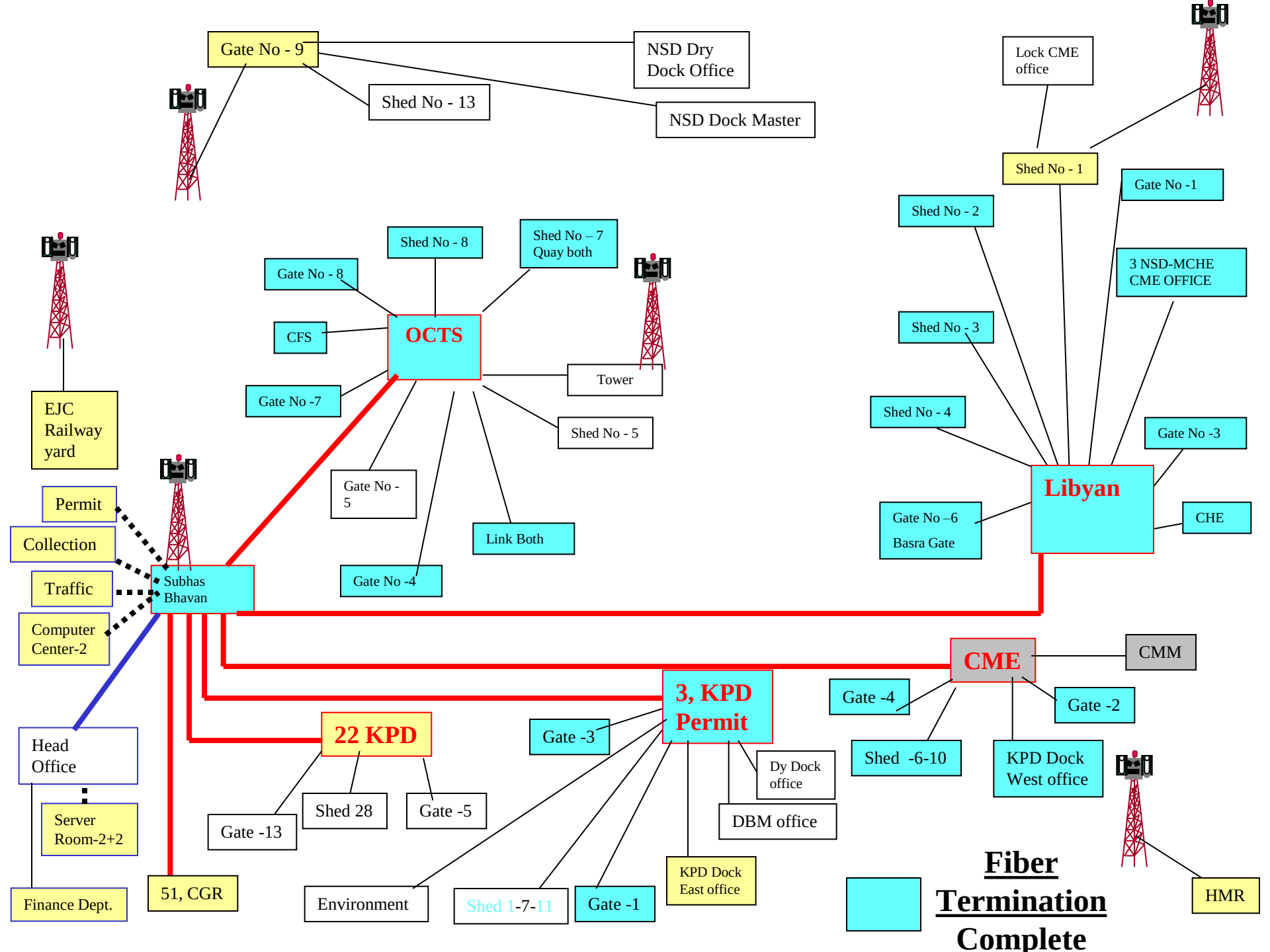
Environment
Shed 1-7-11
Gate -1
KPD Dock East office
HMR
Core Switch


Gate No - 9
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Shed No - 3
Shed No - 4
Gate No -3
Libyan
Gate No –6 Basra Gate
CHE
EJC Railway yard
Permit
Collection
Traffic
Computer Center-2
Subhas Bhavan
CME
CMM
3, KPD Permit
Gate -4
Gate -2
22 KPD
Gate -3
Shed -6-10
KPD Dock West office
Dy Dock office
Head Office
Server Room-2+2
Gate -13
Shed 28
Gate -5
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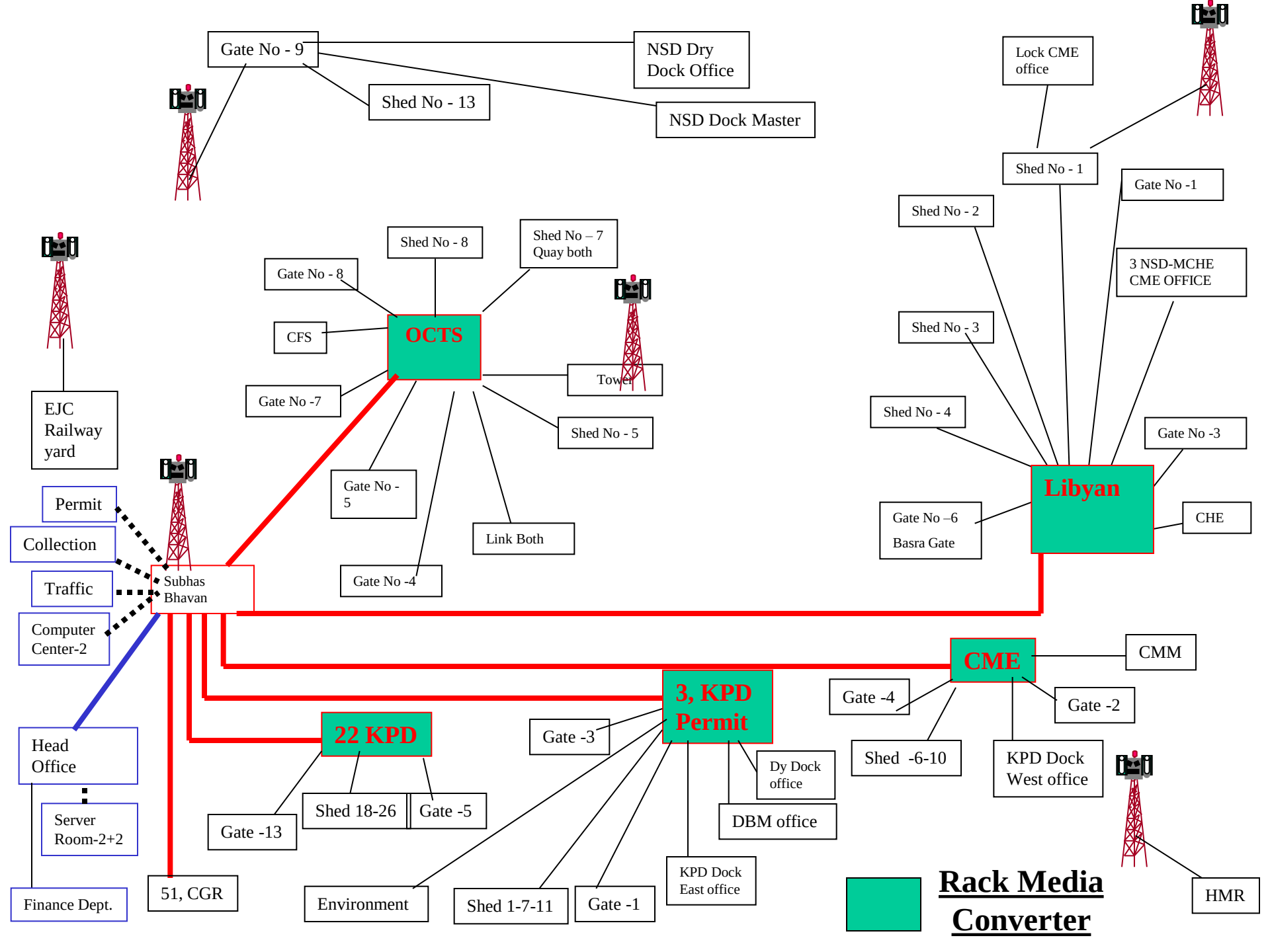
Environment
Shed 1-7-11
Gate -1
KPD Dock East office
HMR
Fiber Termination Complete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EJC Railway yard
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Gate -2
3, KPD Permit
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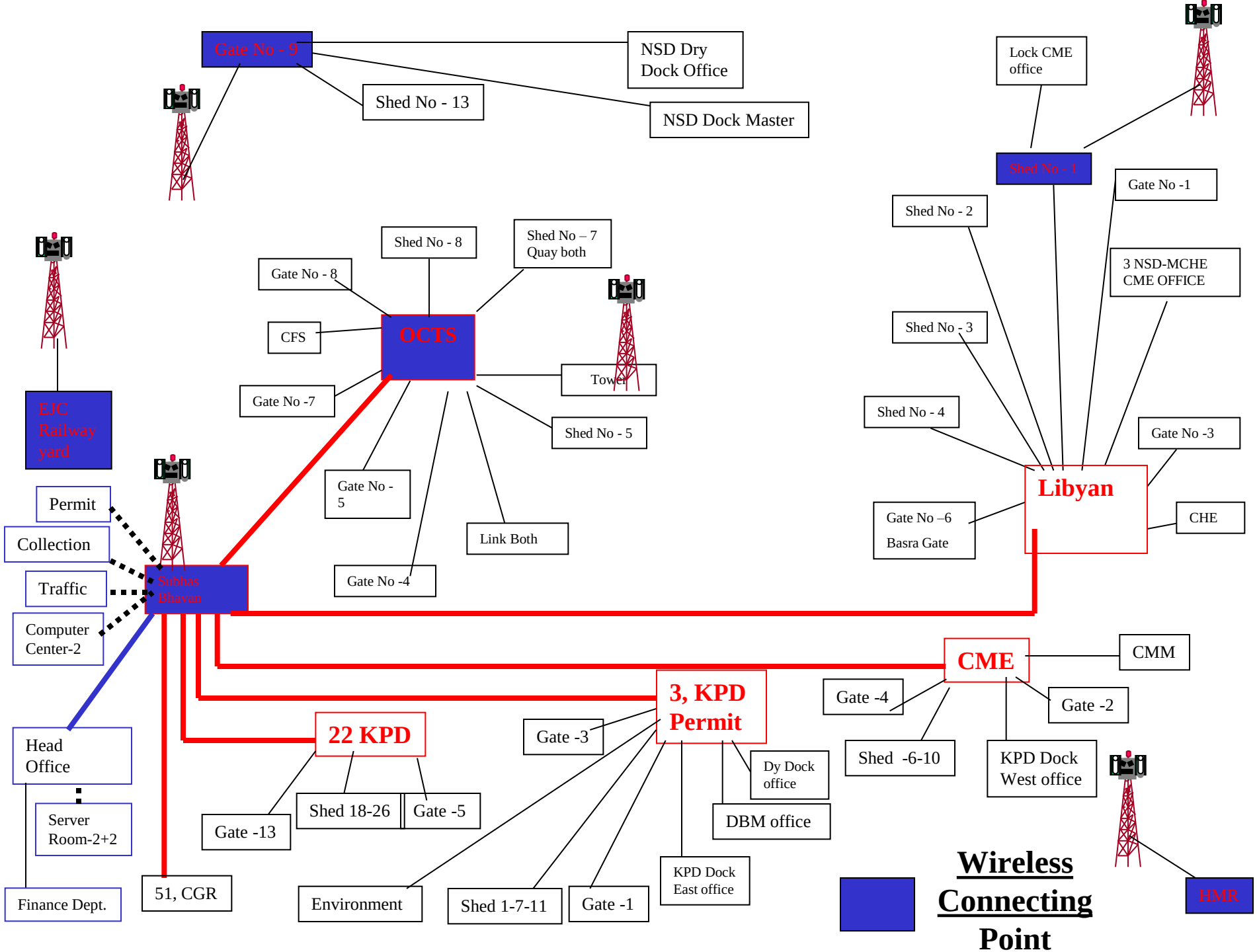
Rack Media Converter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Shed No – 7 Quay both
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CFS
OCTS
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Shed No - 5
Gate No - 5
Link Both
Gate No -4
EJC Railway yard
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51, CGR
CME
CMM
Gate -4
Gate -2
3, KPD Permit
Gate -3
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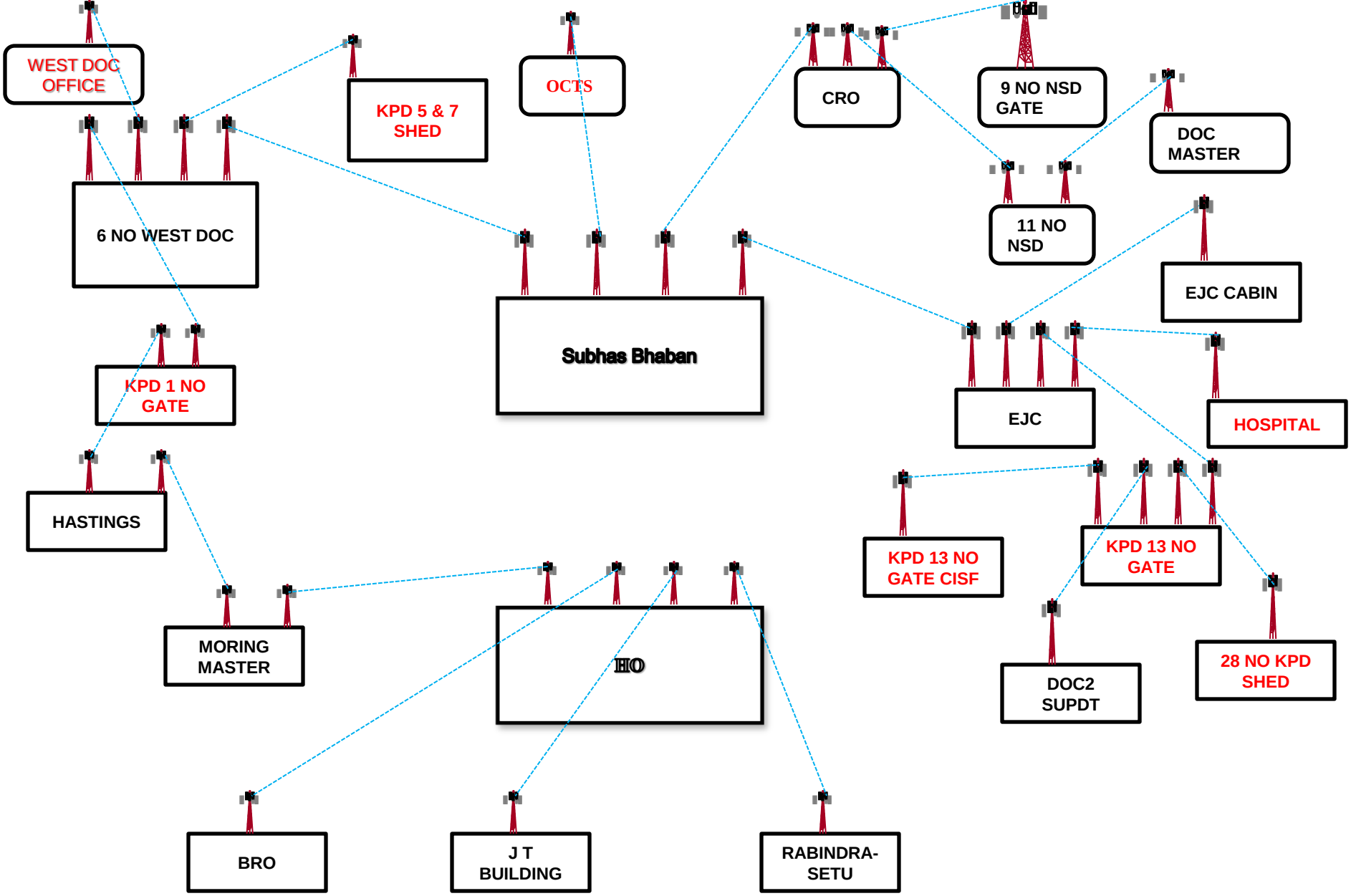
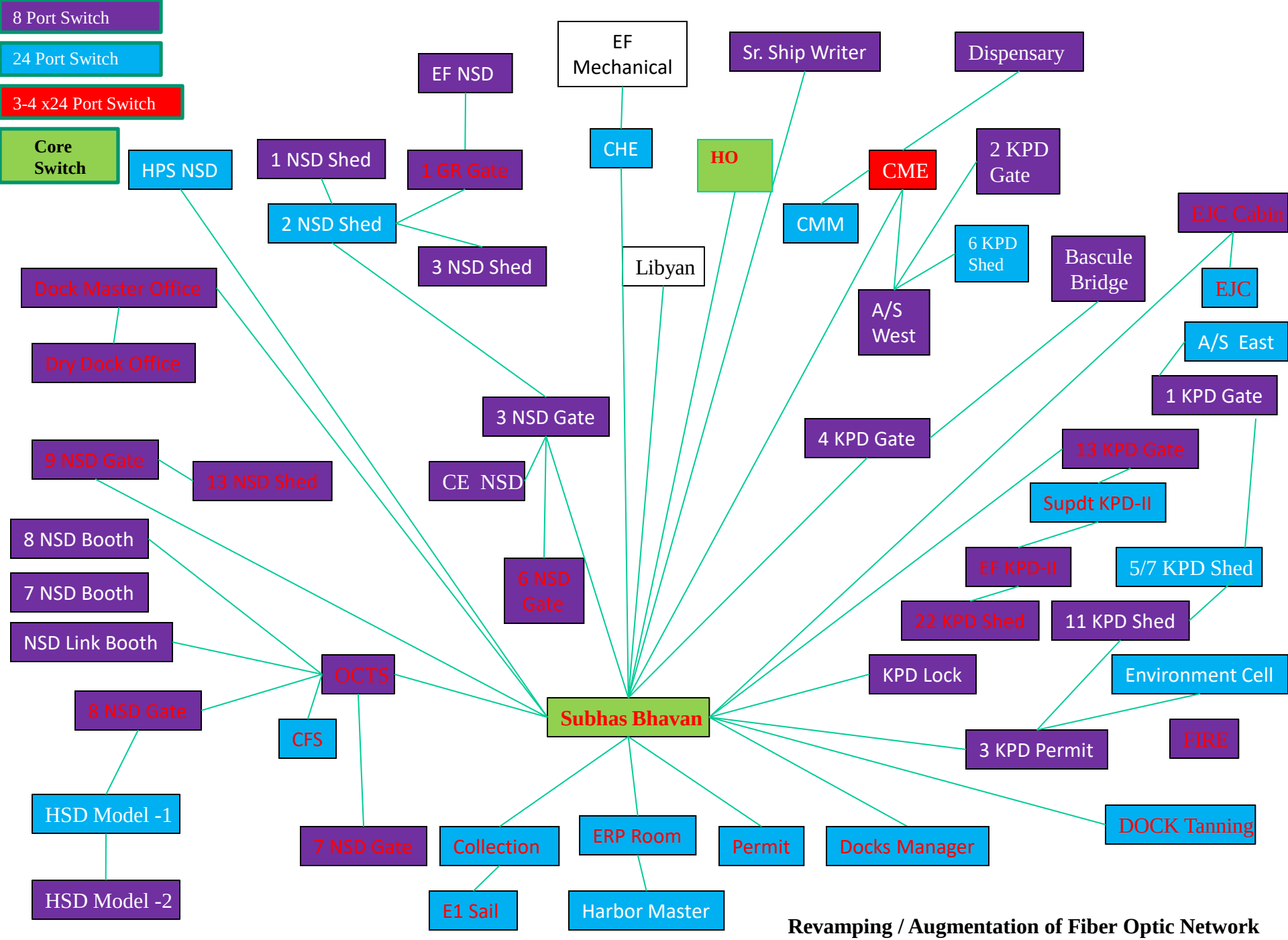
Shed -6-10
KPD Dock West office
22 KPD
Gate -13
Shed 18-26
Gate -5
Environment
Shed 1-7-11
Gate -1
KPD Dock East office
HMR
Wireless Connecting Point



Red word ---Where Wireless and Fiber both are exists
Black word---Where Only wireless are exists



Revamping / Augmentation of Fiber Optic Network