

Open Points and More...

Giulia / Michael / Sebastien / Maria



ENGINEERING
DEPARTMENT

DUMP

Offres trop conséquentes : design à revoir (objectif -> réduction de la masse).

Quotation No. 1 (CERN No. 1980)

Material : EN.GJS.400.18U.RT

Sr. No	Item & Specification	Qty.	Price (Ex-Works)/ Kg (US\$) Paid by CERN	Total Price	Contribution By Pakistan
01	1-Block_T11 passage Serial # JSIXD-0034 As per dr# PSZJSM-0061 ~ 3245 Kg	1 No.	94100	147818.6	53718.6
02	2- Block 1_T09 passage Serial # JSIXD-0035 As per dr# PSZJSM-0062 ~ 7286 Kg				
03	3- Block 2_T09 passage Serial # JSIXD-0036 As per dr# PSZJSM-0063 ~ 6825 Kg				
04	4- Block 1_T10 passage Serial # JSIXD-0037 As per dr# PSZJSM-0064 ~ 3430 Kg				
05	5- Block 2_T10 passage Serial # JSIXD-0038 As per dr# PSZJSM-0065 ~ 4268 Kg				

Quotation No. 2 (CERN No. 1981)

Material: Grey cast iron with material composition (%C=3.5 -3.8 , %Si=2.0 max, %S=0.05 max, %Mn=1 max, %P=0.13 max)

Sr. No	Item & Specification	Qty.	Price (Ex-Works)/ Kg (US\$) Paid by CERN	Total Price	Contribution By Pakistan
01	1-Block_T11 passage Serial # JSIXD-0034 As per dr# PSZJSM-0061 ~ 3245 Kg	1 No.	73051	125270	52219
02	2- Block 1_T09 passage Serial # JSIXD-0035 As per dr# PSZJSM-0062 ~ 7286 Kg				
03	3- Block 2_T09 passage Serial # JSIXD-0036 As per dr# PSZJSM-0063 ~ 6825 Kg				
04	4- Block 1_T10 passage Serial # JSIXD-0037 As per dr# PSZJSM-0064 ~ 3430 Kg				
05	5- Block 2_T10 passage Serial # JSIXD-0038 As per dr# PSZJSM-0065 ~ 4268 Kg				

Inspection : Inspection will be carried out at our works before delivery.
 Delivery : Within 18 ~ 20 weeks after receipt of your order, fulfillment of all technical & commercial terms and conditions
 Payment Terms : 50% of order Value to be paid as advance payment with your Purchase order
 Balance 50% of Order Value to be paid before Ex-Works delivery.
 Force-de-Majure: We shall not be held responsible for delays in delivery due to Force Majure or circumstances entirely beyond our control
 Validity : This offer is valid for acceptance till 05-05-2018

Quotation No. 2 (CERN No. 1981)

Material: Grey cast iron with material composition (%C=3.5 -3.8 , %Si=2.0 max, %S=0.05 max, %Mn=1 max, %P=0.13 max)

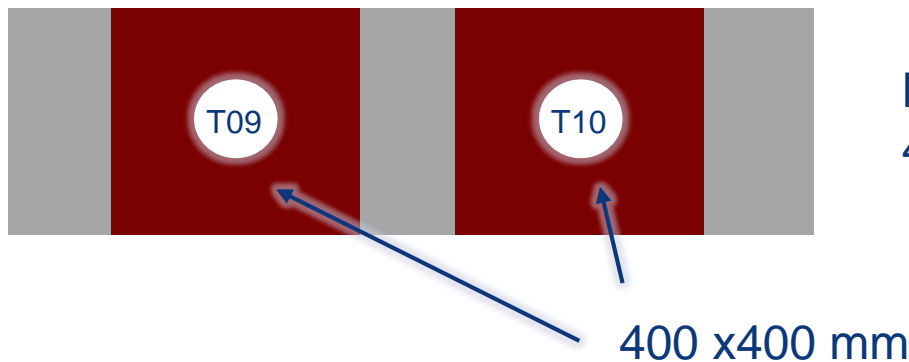
Sr. No	Item & Specification	Qty.	Price (Ex-Works)/ Kg (US\$) Paid by CERN	Total Price	Contribution By Pakistan
01	1-Block_T11 passage Serial # JSIXD-0034 As per dr# PSZJSM-0061 ~ 3245 Kg	1 No.	69500	125270	55770
02	2- Block 1_T09 passage Serial # JSIXD-0035 As per dr# PSZJSM-0062 ~ 7286 Kg				
03	3- Block 2_T09 passage Serial # JSIXD-0036 As per dr# PSZJSM-0063 ~ 6825 Kg				
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 Balance 50% of Order Value to be paid before Ex-Works delivery.
 Force-de-Majure: We shall not be held responsible for delays in delivery due to Force Majure or circumstances entirely beyond our control
 Validity : This offer is valid for acceptance till 01-07-2019
 Transport : Responsibility of CERN

DUMP – New Design Idea



Present design too expensive
Full cast iron block with line passage

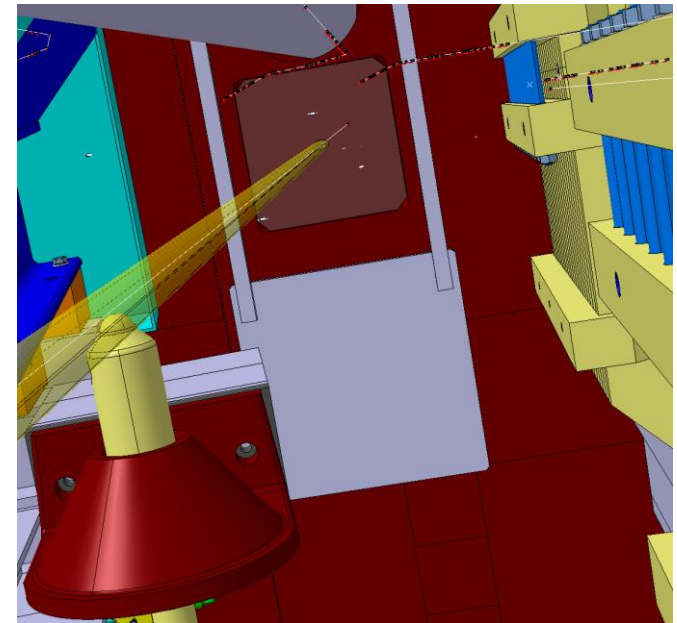
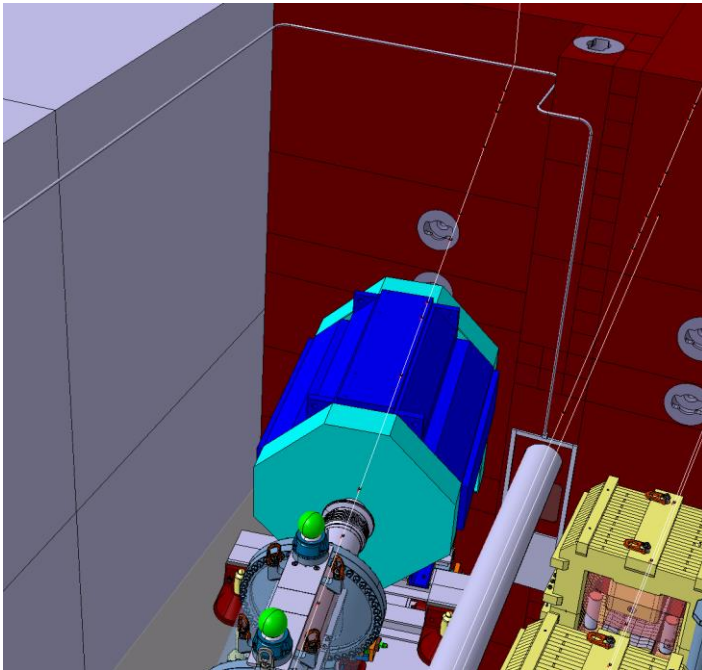


New proposition: cast iron block
400x400 mm + standard shielding

Rail-mounted shielding for beam dump

Proposition RP to close the beam line with a “*guillotine*” shielding to protect personnel from radiation during interventions.

→ First preliminary design



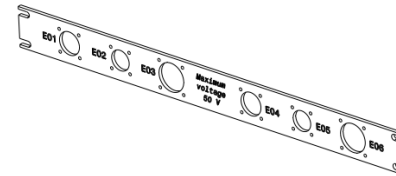
Patch panels & Trunk Cable Zone Exp.

Step 0 (Ensemble of Patch-Panel installation) – Action EAR: Clarification of needs of physicists in order to...

1. Install a patch-panel which will accommodate the physicists' requirements.
2. Make an intelligent use of budget.

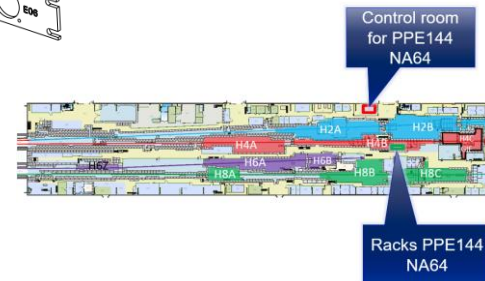
Step 1 (Patch Panel procurement) – Action EN-EA-AS

- Mechanical plans already available (designed by Emile Gropelier)
- Procurement of Patch-Panel



Step 2 (Cable Pulling) – Definition of request → Send it to Maria P.

- Provide the functional positions (tenant/aboutissant) in a Machine Layout (2D Plan) of East Area.
- Create the DIC indicating type, quantity and length of cables ([EDMS 1210369 v.3](#))
- Patch-panel installation under which Project? PLAN? Ultimate deadline?

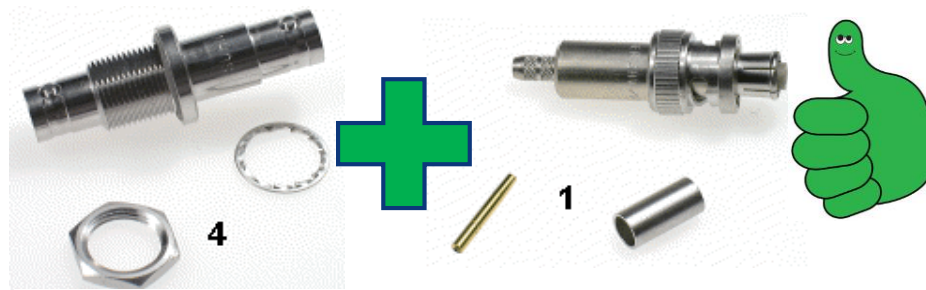
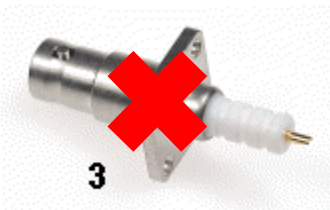


Step 3 (Cable Pulling) – Interaction between EN-EA-AS and EN-EL-FC (for the cable pulling)

- Creation of ticket SNOW directed to Simao Machado (SL EN-EL-FC)
- Simao Machado assesses the feasibility of cable pulling by his team in function of their intervention planning
- Delegation of cable pulling (EN-EL or EN-EA) with contractor COMSA following the Codes Bordereaux
- Reception of quotation

Step 4 (Connectivity) – Action EN-EA-AS

- Procurement of connectors
- Assembly of connectors billed by time spent
- Test billed by time spent



[SCEM 09.41.25.170](#) [SCEM 09.41.25.100.1](#)

Salle de contrôle pour zone test T9, T10,T11

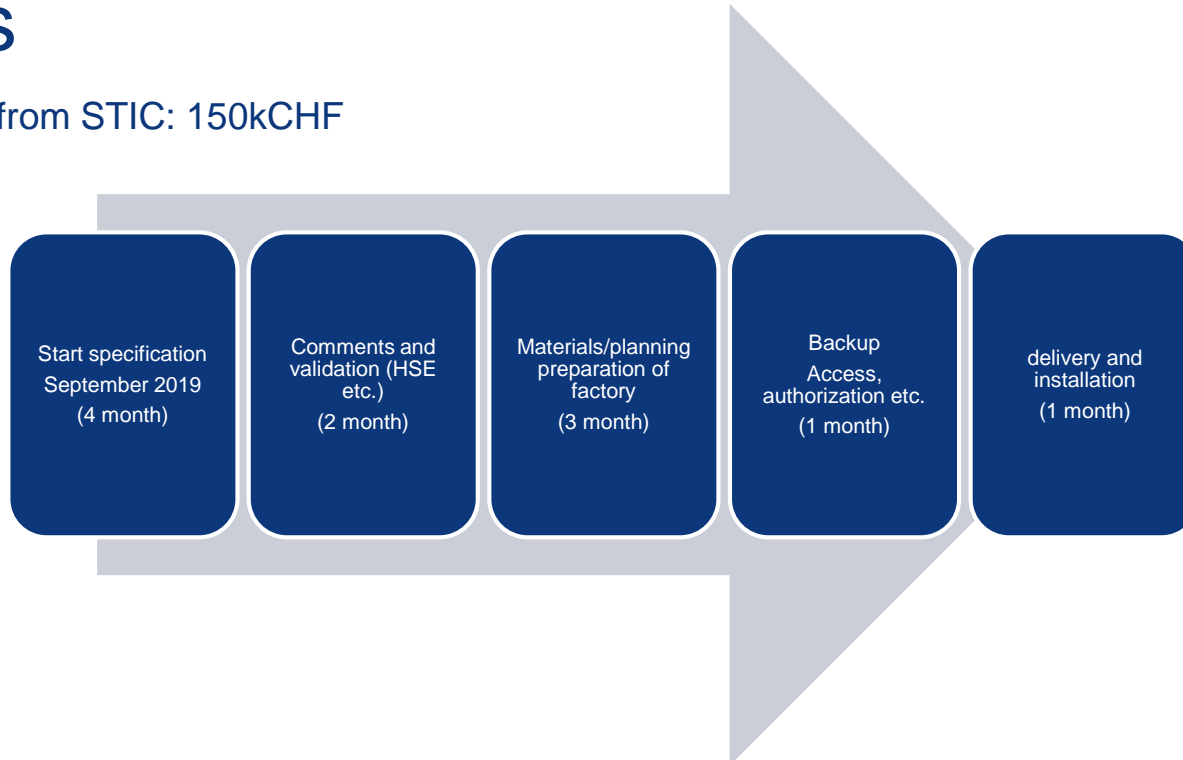
• Planning for installation

Task Name	Baseline Duration	Start
Install new control rooms	3 wks	Fri 10/07/20

• Process

- Quotation from STIC: 150kCHF

>200KCHF, DR



Open Points

- **Second XSCI on T10 requested by BI**
Integration updated
- **New XION requested by IRRAD on T08 ???**
Discussion with R2E people needed
- **BLM: 15 units requested (8 on target area and 7 on primary area)**
→ meeting needed with BI OP and EA
→ Document needed from OP with POSITION, ORIENTATION and HEIGHT

Contact: Solve Thorkildsen Slettebak BE-OP-PS
- **ECR F61 line**
→ comments integrated waiting for inputs on BLM, to be circulated and approved soon



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Thank you!