TENDER DOCUMENT

TENDER NO.: BHI/PI(S)/665/1074

FOR

Tender for “Engineering assistance and preparation of drawings & documents” for the Project of “Augmentation of Raw Material Receipt and Handling Facilities for New OHP, Part-B (Package No.-061), for Bhilai Steel Plant at Chhattisgarh”.

VOLUME – IV

DRAWINGS

ENGINEERING PROJECTS (INDIA) LIMITED
(A GOVT. OF INDIA ENTERPRISE)
B-32, Phase - II,
Surya Vihar, Bhilai (Chhattisgarh) – 490020
Comments on GA of conveyor J11-C3

1. Top of belt 1m to 1.5m shall be maintained along the gallery walkway level.
2. PCS & BSS shall be provided 4m & 5m from either end.
3. Please provide handling arrangement at take up.
4. Please check the foundation crs. & short post crs.
5. Please check the load data indicated.
6. Belt changing facility, fluid coupling & soft starter shall be furnished with its detail.
7. Please correct the voltage/frequency.
8. Notes shall be same for all drawings.
9. Any item/facility mentioned in the Contract and not indicated in the drawings/documents shall also be provided by the Contractor for the smooth operation and maintenance of the complex.
10. Loads of belt changing devices under gallery shall be considered.
11. The handling of pulley, gear box & heaviest item shall be handled centrally & not skewed.
12. Item no. for all Items shall be furnished & shown in the elevation.
13. Stringer details/spacing shall be indicated (typical comment for all conveyor drawings).
14. TPA shall be shifted so as to shift TPB away from transition idlers.
15. Conveyor nomenclature shall be furnished in junction houses in elevation of J11-C3.
16. Some of the dimension are not matching with system elevation drawing please correct it.
17. Respective system elevation drawing comments shall also be taken care off.
Comments on GA of conveyor J14-C2

1. Top of belt 1m to 1.5m shall be maintained along the gallery walkway level.
2. Please provide cross over with staircase at every 150m.
3. PCS & BSS shall be provided 4m & 5m from either end & then every 30m & 100m respectively.
4. Please check the foundation crs. & short post crs.
5. Please ensure that all loads (static & dynamic) & vibration are transferred to structural floor beams for all drive units and frame for all conveyors.
6. Please check the load data indicated.
7. Any item/facility mentioned in the Contract and not indicated in the drawings/documents shall also be provided by the Contractor for the smooth operation and maintenance of the complex.
8. Loads of belt changing devices under junction houses shall be considered, if any.
9. Please show the arrangement of fluid coupling accessories, soft starter equipment with sufficient space inside junction house. This comment is applicable for all conveyors driven by HT & fluid coupling drive.
10. Hoist/Monorail shall be located in such a way that heavy items (pulley, gear box, motor etc.) shall be lifted & lower down centrally (skewing shall be avoided).
11. Size of Junction House shall be designed considering adequate space for accessories like Dusting system, hoist maintenance etc
12. Stringer spacing shall be indicated in elevation of conveyor.
13. In View A-A Manual Hoist shall be changed to electric hoist.
15. Gallery load shall not be transferred to junction house.
16. Please clarify, why travel has been decreased.
17. In view – B short post CRS. Shall be 1810.
18. Please correct the foundation detail of short post (Non Gallery Pedestal)
19. In enlarged detail of tail pulley frame 300mm clearance shall be provided between zero speed switch & frame.
20. In Detail D2 Please check detail w.r.t load & correct.
21. Bottom of Bottom chord level is not matching with the system elevation drawing.
22. In View C-C Integrated casting shall be provided.
23. In View G-G detail of handling arrangement shall be shown.
24. Addressable type pull chord & belt sway switch shall be provided.
25. Make of all switches shall be as per approved make.
26. In view A short post CRS. Shall be corrected to 1810.
27. Please furnish the duty of motor, variation of frequency.
28. Please correct the bulk density to 2.2/1.6.
Ref. No.: MEC/11/Q4/910/061/EPI – 355

To,

Shri Salil Kumar
Group General Manager
Engineering Projects (India) Limited
Core – 3, Scope Complex,
7 Lodhi Road, New Delhi – 110 003

Sub: BSP 7.0 MT Expansion - Approval of Drawings/ Documents regarding work of Augmentation of Raw Material & Handling Facilities with New OHP, Part – B (Package – 061)


Dear Sir,

With reference to the above, we confirm having handed over to your engineer on 02.04.2013, 01(one) copy of the following drawing/document duly stamped as indicated below:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Drawings / Documents No.</th>
<th>Description</th>
<th>Rev</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>BSP-EPI-01-061-01-005-55-DE-00438</td>
<td>GA of Conveyor J15 – C2</td>
<td>0</td>
<td>Commented</td>
</tr>
</tbody>
</table>

Note: Approval of any drawing/document does in no way absolve the responsibilities of the contractor to supply & install the plant & equipment as per Contract Specification.

Our comments/observations have been furnished in enclosed drawing/document and comments are attached as Annexure – I. You are requested to incorporate all the comments and submit the revised drawing/document for approval. Point-wise reply shall be given to all our comments, in case of clarification/confirmation.

This is for further needful action at your end.

Thanking you,

Yours faithfully

For MECON LIMITED

(R.P. Choudhary)
(St. Mgr.), (SAIL Projects Bhilai)
Encl.: As above

Copy to:
i) DGM (OHP) & Key Driver (U Goswami), BSP – With 01 copy of enclosure.
ii) DGM I/c (P-OHP & SPs Zone), BSP – With 01 copy of enclosure.
iii) GM (P – Iron), BSP – for information only.
iv) GM (P – CommL), BSP – for information only.
v) GM (OHP), BSP – for information only.
vi) GM (CO & CCD), BSP – for information only.
vii) DGM I/c (P – PMC), BSP – for information only.
viii) DGM (P – I & F), BSP – for information only.
ix) Shri S. Pradhan, GM (MECON Bhilai) – Without enclosure.
x) DGM I/c (MH), KA: Shri Sanjay Kumar, DGM – for information only.
xi) Shri Prashant Kumar, AGM (Projects) – PMC BSP Resident office, Ranchi.
From: projsailbsp <projsailbsp@meconlimited.co.in>
Date: Thu, 04 Apr 2013 11:03:06 +0530
To: epico@engineeringprojects.com, core@epi.gov.in
CC: ed_proj@sail-bhilaisteel.com, mecon bhilai <meconbhilai@gmail.com>, rakshit@sail-bhilaisteel.com, upaalugowami@sail-bhilaisteel.com, attuteja@sail-bhilaisteel.com, skghosh1@sail-bhilaisteel.com, frjanardan@sail-bhilaisteel.com, gnsahu@sail-bhilaisteel.com, spradhan <spradhan@meconlimited.co.in>, sanjaykumar88 <sanjaykumar88@meconlimited.co.in>, groinats1@sail-bhilaisteel.com, prashantb@bihlaisteel@gmail.com, akbhatts@sail-bhilaisteel.com, vtiwari@sail-bhilaisteel.com, dchaudhuri@sail-bhilaisteel.com

To,

Shri Salil Kumar
Group General Manager
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With reference to the above, enclosed please find 01(one) copy of the following drawing/ document duly stamped as indicated below:

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<tbody>
<tr>
<td>1.</td>
<td>BSP-EPI-01-061-01-005-55-DE-0044, Sheet 1 to 4 of 4</td>
<td>GA of Conveyor J17A – C1</td>
<td>0</td>
<td>Commented</td>
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</table>

Note: Approval of any drawing/document does in no way absolve the responsibilities of the contractor to supply & install the plant & equipment as per Contract Specification.

Our comments/ observations have been furnished in enclosed drawing/ document and comments are attached as Annexure – I. You are requested to incorporate all the comments and submit the revised drawing/document for approval. Point-wise reply shall be given to all our comments, in case of clarification/ confirmation.

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Thanking you,

Yours faithfully

For MECON LIMITED

(R.P. Choudhary)
(Sr. Mgr.), (SAIL Projects Bhilai)
Encl.: As above
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x) DGM 1/e (MH), KA: Shri Sanjay Kumar, DGM – for information only.
x) Shri Prashant Kumar, AGM (Projects) – PMC BSP Resident office, Ranchi.
Comments on GA of conveyor J17A-C1

1. PCS & BSS shall be provided 4m & 5m from either end & then every 30m & 100m respectively.
2. Please check the foundation crs. & short post crs.
3. Please ensure that all loads (static & dynamic) & vibration are transferred to structural floor beams for all drive units and frame for all conveyors.
4. Please check the load data indicated.
5. Any item/facility mentioned in the Contract and not indicated in the drawings/documents shall also be provided by the Contractor for the smooth operation and maintenance of the complex.
6. Loads of belt changing devices shall be considered, if any.
7. Hoist/Monorail shall be located in such a way that heavy items (pulley, gear box, motor etc.) shall be lifted & lower down centrally (skewing shall be avoided).
8. Please show the arrangement of fluid coupling accessories, soft starter equipment with sufficient space inside junction house. This comment is applicable for all conveyors driven by HT & fluid coupling drive.
9. Stringer spacing shall be indicated in elevation of conveyor.
10. Size of Junction House shall be designed considering adequate space for accessories like Dusting system, hoist maintenance etc.
11. In elevation of conveyor J17A-C1 Chute maintenance platform shall be provided at head end.
12. Gallery load shall not be transferred to junction house.
13. Short post CRS. Shall be 1810.
14. Please correct the foundation detail of short post (Non Gallery Pedestal)
15. In enlarged detail of tail pulley frame 300mm clearance shall be provided between zero speed switch & frame.
16. In Detail D2 Please check detail w.r.t load & correct.
17. In View C-C Integrated casting shall be provided.
18. In View L-L detail of handling arrangement shall be shown.
19. Addressable type pull chord & belt sway switch shall be provided.
20. Make of all switches shall be as per approved make.
21. Please furnish the duty of motor, variation of frequency.
22. All pulleys of same belt width & dia shall be standardized considering all conveyors.
23. Please furnish the bearing no. for all type of pulleys.
24. Some of the distance between trestles to trestle is not matching with system elevation of respective conveyor. Please clarify.
25. Y co-ordinate of REF. P44 & 45 is not matching with system elevation drawing.